

University of North Texas System

Board of Regents

Special Called Meeting Agenda

October 31, 2017 – 11:00 a.m.

UNT System Building 1901 Main Street, Room 711 Dallas, Texas 75201

The University of North Texas System Board of Regents will convene a Special Called meeting by telephone according to the following agenda. It is necessary to conduct this special meeting by telephone because it was not possible to convene a quorum in one place in a timely manner and discussion of the agenda matters are of sufficient urgency to be considered prior to the next regularly scheduled meeting of the Board on November 16-17, 2017.

- 1. Call to Order
- 2. Identification of Participants
- 3. Action Item

UNTHSC Approval to Add the UNT Health Science Center Doctoral Program in Medicine

4. Adjournment



Board Briefing



Committee: Full Board

Date Filed: October 24, 2017

Title: Approval to Add the UNT Health Science Center Doctoral Program in Medicine

Background:

In July of 2015, the UNTHSC and Texas Christian University (TCU) announced plans to collaboratively develop an allopathic medical school. The partnership builds on the strengths of the UNTHSC's well-established osteopathic medical school and the strengths of TCU in liberal arts. The new medical school will address the growing statewide shortage of physicians and drive innovation in medical education, research and healthcare. Planning was initiated in the fall of 2015 with the creation of nine committees that included members from UNTHSC and TCU. In the spring of 2016, Dr. Stuart Flynn was hired as Founding Dean. Dr. Flynn recruited a leadership team to continue the development of the program.

At this time, the TCU and UNTHSC School of Medicine is a school within the organizational structure of TCU. The current structure is described in detail in the Amended and Restated Collaboration Agreement approved by the UNT System Board of Regents on September 30, 2017. In order to realize the vision of a joint TCU-UNTHSC Doctor of Medicine (MD) degree, TCU will seek approval from the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and UNTHSC will work to gain approval by the Texas Higher Education Coordinating Board (THECB) and then SACSCOC. The Vision Statement and Agreement between TCU and the UNTHSC, approved September 30, 2017, describes the collaboration to offer a joint MD degree.

Allopathic medical schools are accredited by the Liaison Committee on Medical Education (LCME). Students must participate in accredited medical education programs to qualify to take the United States Medical Licensing Examination and to participate in an accredited residency program. The first step in achieving accreditation is to submit a Preliminary Data Collection Instrument (DCI) and a Preliminary Accreditation Self Study. These materials will be submitted in early November, 2017. Additional steps include seeking provisional accreditation after classes have begun, and full accreditation that focuses on the entire four-year curriculum.

The proposal describes the progress to date in the development of the School of Medicine, including the following:

- A strategic plan that aligns with the UNTHSC and TCU strategic plans
- Student recruitment and admissions processes, including strategies to recruit and retain a diverse student body
- Development of a curriculum with educational objectives, degree requirements, integrated clinical experiences, and a plan for program evaluation
- Recruitment of core and support faculty
- Development of academic resources to include library services, space and equipment
- Affiliation agreements with 12 hospitals

Financial Analysis/History:

The annual budget in FY 2018 is \$28.4M increasing to \$39.3M, in FY 2022, of which the UNTHSC will provide \$5.4M per year in-kind contributions of \$1M for staff salaries and \$4.4M for equipment and facilities. Tuition and fees plus TCU endowment earnings will fund most of these expenses. TCU has agreed to provide funding for any remaining deficits.

Gregory R. Anderson

Digitally signed by Gregory R. Anderson DN: cn=Gregory R. Anderson, o=University of North Texas Health Science Center, ou=Executive Vice President/CFO, email=gregory.anderson@unthsc.edu, c=US Date: 2017.10.2711:39:03-05

Institution Chief Financial Officer

Vice Chancellor for Finance

Legal Review:

This item has been reviewed by General Counsel.

Vice Chancellor/General Counsel

Schedule:

Accreditation dates in the following schedule are anticipated:

- October, 2018 Receive preliminary accreditation and begin recruitment of students for initial class
- Summer, 2019 First class matriculates
- October, 2020 Receive provisional accreditation
- February, 2023 Receive full accreditation
- May, 2023 Graduation of first class

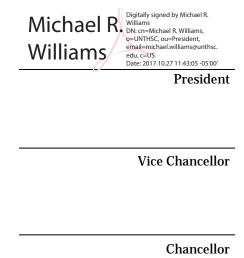
Recommendation:

The UNTHSC President recommends, with concurrence of the UNT System Chancellor and UNT System Vice Chancellor for Academic Affairs and Student Success, that the UNT System Board of Regents approve the request to submit the proposal for a new doctoral program in Medicine to the Texas Higher Education Coordinating Board.

Recommended By:	Claire Peel
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Interim Provost



Attachments Filed Electronically:

• Proposal to the THECB for a New Doctoral Program in Medicine



Board Order

Title: Approval to Add the UNT Health Science Center Doctoral Program in Medicine

At an official meeting of the Board of Regents of the University of North Texas System properly posted and held on November 16-17, 2017, pursuant to a motion made by Regent and seconded by Regent , the Board approved the motion presented below:

Whereas, pending THECB and SACSCOC approval, the UNTHSC plans to offer a joint degree program with Texas Christian University (TCU) leading to a Doctor of Medicine (MD) degree with students beginning in 2019 and the first class graduating in 2023, and

Whereas, the TCU-UNTHSC School of Medicine will drive innovation in medical education, increase research and advance the delivery of healthcare, and

Whereas, the new medical school will address the statewide shortage of physicians and will have significant economic impact on Fort Worth and the surrounding area, and

Whereas, the TCU-UNTHSC School of Medicine will be a valuable addition to professional programs currently offered at TCU and the UNTHSC, and will enhance students' interprofessional education experiences,

Now, Therefore, The Board of Regents authorizes and approves the following:

 Request for approval to submit the proposal for a new doctoral program in Medicine to the Texas Higher Education Coordinating Board.

VOTE: ayes nays	abstentions
BOARD ACTION:	
Attested By:	Approved By:
Rosemary R. Haggett, Secretary	Brint Ryan, Chairman
Board of Regents	Board of Regents



—TCU and UNTHSC— School of Medicine





Proposal to THECB for a New Doctoral Program in Medicine

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	NeedAcademicsFacultyResources



Texas Higher Education Coordinating Board Texas Public Universities and Health-Related Institutions

Proposal for a New Doctoral Program

Directions: Texas public universities and health-related institutions complete this form to propose a new doctoral degree program. This form requires signatures of (1) the Chief Executive Officer, certifying adequacy of funding for the new program; (2) the Chief Executive Officer, acknowledging agreement to reimburse consultants' costs; (3) a member of the Board of Regents (or designee), certifying Board of Regents approval for Coordinating Board consideration; or, if applicable, (4) a member of the Board of Regents (or designee), certifying that criteria have been met for Commissioner consideration. Additional information and instructions are available in the *Guidelines for Institutions Submitting Proposals for New Doctoral Programs* found on the Coordinating Board web site, www.thecb.state.tx.us/newprogramscertificates. Institution officials should also refer to Texas Administrative Code (TAC), Title 19, Chapter 5, Subchapter C, 5.46, *Criteria for New Doctoral Programs*.

Note: An institution must submit Planning Notification prior to submitting a proposal for a new doctoral program. An institution is considered by the Board to be planning for a new doctoral program if it takes any action that leads to the preparation of a proposal for a new program. This includes hiring personnel, including consultants and planning deans, leasing and/or purchasing real estate, building facilities, and/or developing curriculum. Planning Notification must be submitted at least one year prior to submission of a proposal to offer the degree, if the proposed program leads to the award of a professional degree, as defined by Texas Education Code 61.306. Institutions submit Planning Notification through the online submission portal, as a letter to the Assistant Commissioner of the Academic Division of Academic Ouality and Workforce.

Information: Contact the Division of Academic Quality and Workforce at 512-427-6200.

Administrative Information

1. Institution Name and Coordinating Board Accountability Group:

The University of North Texas Health Science Center (UNTHSC) in collaboration with Texas Christian University (TCU): TCU and UNTHSC School of Medicine.

2. Proposed Program:

Show how the program would appear on the Coordinating Board's Program inventory (e.g., Doctor of Philosophy in Electrical Engineering).

Doctor of Medicine (M.D.)

3. Proposed CIP Code:

List of CIP Codes may be accessed online at www.txhighereddata.org. Include justification if the proposed program title is not already included in the Texas Classification of Instructional Programs.

51.1201.0

4. Location and Delivery of the Proposed Program:
Provide the location of instruction and how the proposed program will be delivered to students
(e.g. face-to-face to students on the main campus in Lubbock).

Face-to-face to students on the University of North Texas Health Science Center campus in Fort Worth with some simulation, communication exercises and small group sessions taking place at Texas Christian University in Fort Worth. Clinical experiences and training throughout Fort Worth and surrounding areas in hospitals, clinics and other healthcare facilities.

5. Administrative Unit:

Identify where the program would fit within the organizational structure of the institution (e.g., The Department of Electrical Engineering within the College of Engineering).

At the time of this application, the TCU and UNTHSC School of Medicine is a school within the organizational and academic structure of Texas Christian University. The current structure is described in detail in the Amended and Restated Collaboration Agreement approved September 30, 2017 found in Appendix F of this submission. Upon approval for degree granting authority for the MD degree by the Texas Higher Education Coordinating Board, approval by the Liaison Committee on Medical Education (LCME), and approval from SACSCOC to award a joint degree, the TCU and UNTHSC School of Medicine will be governed by TCU and the UNTHSC. A description of the collaboration between TCU and the UNTHSC to offer a joint degree is described in the Vision Statement and Agreement between Texas Christian University and the University of North Texas Health Science Center, approved September 30, 2017 found in Appendix F of this submission.

6. Program Description:

Describe the program and the educational objectives.

In July 2015, the UNTHSC and TCU announced plans to develop collaboratively an allopathic medical school. The partnership builds on the strengths of UNTHSC's well-recognized osteopathic medical school, and the strengths of TCU in liberal arts. Planning was initiated in the fall of 2015 by several committees with membership from faculty and staff from UNTHSC and TCU. In spring of 2016, Dr. Stuart Flynn was hired as the Founding Dean. Shortly thereafter, Dr. Flynn recruited a leadership team to continue the development of the program.

The initial educational objectives were drafted in March 2016 by the MD School Management Curriculum Subcommittee. In November 2016, the initial educational objectives were compared with the competencies outlined in the Association of American Medical Colleges (AAMC) Physician Competency Reference Set (PCRS), a list of common learner expectations utilized in the training of physicians and other health professionals, and the entrustable behaviors identified in the Curriculum Developer's Guide within the AAMC Core Entrustable Professional Activities for Entering Residency (CEPAER), guidelines describing what all medical students should be able to perform upon entering residency, regardless of their future career specialty. This led to the identification of seven competency domains: Patient-Centered Care, Medical Knowledge, Communication and Collaboration, Professionalism, Critical Appraisal and Life-long Learning, Systems, Safety, Service and Society, and Personal and Professional Formation. Within the seven competency domains, forty Educational Program Objectives were identified and are listed below.

Patient-Centered Care

- 1. Elicit an accurate, comprehensive and problem-focused history and perform a thorough, problem-focused physical examination
- 2. Perform appropriate screening and diagnostic procedures for maintaining and improving patient health
- 3. Accurately interpret clinical, laboratory, and diagnostic data and take necessary next steps
- 4. Reason deductively to develop a comprehensive and practical differential diagnosis

- Develop effective intervention and management plans using evidence-based principles that optimize patient safety
- 6. Participate in collaborative team-based care and shared decision making activities to provide patient-centered care within an integrated delivery model

Medical Knowledge

Apply established and emerging principles of:

- 1. Social-behavioral science to the provision of patient care, including assessment of the impact of psychosocial-cultural influences on health and disease
- 2. Biophysical science to the health care for patients and populations
- 3. Clinical science to diagnostic and therapeutic decision making, clinical problem solving, and other aspects of evidence-based health care
- 4. Epidemiological science to the identification of health problems, risk factors, treatment strategies, resources, and disease prevention/health promotion efforts for patients and populations

Communication and Collaboration

- 1. Communicate effectively and in a timely manner using empathetic verbal and non-verbal communication
- 2. Recognize emotional cues and address difficult situations with care and respect
- 3. Provide accurate and relevant documentation
- 4. Engage others by asking relevant questions, and overcome barriers in an effective manner
- 5. Collaborate with team members, patients, and community in a manner that fosters receptivity and inclusiveness
- 6. Recognize other team members' roles and maintain and promote mutual respect

Professionalism

- 1. Demonstrate compassion, respect, and sensitivity in all interactions
- 2. Demonstrate trustworthiness (honesty, integrity, and accountability) in all interactions
- 3. Use ethical judgment to maintain privacy, confidentiality, and support of legal requirements
- 4. Model the promotion of reassurance and empathy within the patient-centered team
- 5. Demonstrate responsiveness to the needs of patients and society that supersede self interests
- 6. Acknowledge and avoid conflicts of interest within the health care environment that adversely affect patient care outcomes

Critical Appraisal and Life-long Learning

- 1. Identify strengths and limitations to constructively evaluate one's own progress
- 2. Effectively utilize technology to optimize the practice of evidence-based medicine
- 3. Model and engage others about life-long learning opportunities
- 4. Provide and elicit feedback in a constructive manner to support quality improvement practices
- 5. Critically appraise and evaluate information to support innovations in patient-centered care (EBM)
- 6. Apply health care needs of diverse individuals to populations and communities

Systems, Safety, Service, and Society

- 1. Apply principles of patient safety and quality improvement to prevent adverse events and improve health care outcomes using an integrated approach
- 2. Examine structure, cost, and resources in the provision of care
- 3. Evaluate risk, benefits, and system changes to deliver optimal care
- 4. Identify safety precautions, follow proper protocols, and report errors in a timely manner
- 5. Advocate for quality of care for individuals and populations
- 6. Evaluate the effect of social and cultural determinants of health on the use of health care services and integrate this knowledge into the care of patients

Personal and Professional Formation

- 1. Use researched practices to promote and balance personal wellness and disease prevention
- 2. Manage conflict and acknowledge personal and professional boundaries
- 3. Practice reflection and self-awareness, and establish self-improvement goals
- 4. Recognize ambiguity and exercise situational judgment in stressful situations
- 5. Engage in leadership activities as an active member of the medical profession to improve health within the community
- 6. Take responsibility for all actions and seek help to develop a corrective action plan
- 7. Proposed Implementation Date:

Include the first year and semester that students would enter the proposed program.

Summer 2019

8. Institutional and Department Contacts:

Provide contact information for the person(s) responsible for addressing any questions related to the proposal.

1. Name: Claire Peel, PT, PhD, FAPTA

Title: Interim Provost, UNTHSC

E-mail: Claire.Peel@unthsc.edu

Phone: 817.735.2752

2. Name: Jacque Chadwick, MD

Title: Vice Dean for Educational Affairs and Accreditation, TCU and UNTHSC School of

Medicine

E-mail: Jacqueline.Chadwick@fwmdschool.org

Phone: 817-735-2395

Proposed Doctoral Program -- Required Information

I. Need

A. Job Market Need

Provide short- and long-term evidence of the need for graduates in the Texas and US job markets. Common sources for workforce need and workforce projections include the Bureau of Labor Statistics, the Texas Workforce Commission, and professional associations. If the program is designed to address particular regional or state needs in addition to workforce demands, provide a detailed description.

The need for physicians in Texas and nationally to oversee and provide health care services remains high and is expected to grow over the next several decades. In Texas generally, and in North Texas specifically, the increased need for physicians is a function of rapid population growth across age groups, as well as rising rates of health conditions such as obesity and associated diseases such as diabetes, hypertension, heart disease, and cancer. Nationally, health care reform, an overall physician shortage, and an aging population are principal drivers of this demand.

Merritt Hawkins, a national physician search and consulting firm and a company of AMN Healthcare was commissioned by the North Texas Regional Extension Center (NTREC) in 2015 to complete a physician demographic study entitled The Physician Workforce in Texas: An Examination of Physician Distribution, Access, Demographics, Affiliations, and Practice Patterns in Texas' 254 Counties. Key findings from that study regarding the characteristics of the physician workforce in Texas include:

- Approximately 63,000 licensed physicians reside in Texas. Of these, 46,953 are in active patient care and this is considered the net physician workforce in the state. They serve a population of 26,448,193 Texas residents.
- It would require 12,819 additional physicians to bring Texas in line with the national average of physicians per 100,000 population.
- 35 Texas counties have no physicians of any kind.
- 80 Texas counties have five or fewer physicians.
- 147 Texas counties have no obstetrician/gynecologist.
- 185 Texas counties have no general psychiatrist.
- 158 Texas counties have no general surgeon.
- Smaller counties of 40,000 people or less are home to 2,264,257 Texans (8.6% of the state's population), but only 1,170 physicians (2.5% of the total workforce) practice in these counties.
- Emerging practice patterns and practice choices among Texas physicians are likely to erode access to physician services in the state, as 45% of Texas physicians plan to accelerate their retirement plans, 19% plan to cut back on hours, 9% plan to switch to concierge practice, and 6.4% plan to work part-time.
- Texas physicians have little capacity to take on extra work or see more patients.
 Over 78% of Texas physicians indicate they now are at full capacity or are overworked and overextended.
- Nationally, there are 80.7 PCPs per 100,000 population. In Texas, there are 63.3 PCPs per 100,000 population.
- 39% of physicians in Texas are 55 years old and older, compared to 42% nationally, and 24% are 60 and older, compared to 28% nationally. Nevertheless, 39% of the total represents 18,311 physicians in Texas who are 55 or older, many of whom are likely to retire sometime in the next ten years.

With respect to projected physician growth, the Merritt Hawkins study concluded:

By 2019, the general population in Texas is projected to increase from 26,448,193 to 29,244,491, a growth rate of 11%. If the physician workforce in Texas continues to grow at the rate it has during the previous five years (17%), it will total approximately 54,935 physicians by 2019. At that point, the ratio of physicians in the state will increase from 183 per 100,000 population to 188 per 100,000 population, still trailing the current national average and the average in 40 states.

The growing and aging Texas population will have an effect on the demand for physicians, as Merritt Hawkins found:

Texas experienced a population growth of 8 million people from 1990 to 2010 and led the nation in population growth in both the 2000 and 2010 census. The population will grow by 5 million more people by 2020, according to the U.S. Census Bureau. In addition, there are over 2.9 million Texans who now are 65 years old or older and who are Medicare eligible, while 5.7 million baby boomers in the state started to become eligible for Medicare in 2011. Additionally, over 11% of the state's population is composed of people 65 or older who are Medicare eligible.

The Merritt Hawkins report also stated that while the Affordable Care Act has increased insurance coverage in some areas of the state, it has increased the ranks of the uninsured in other parts of the state. Texas chose not to expand Medicaid through the ACA. If Texas had expanded Medicaid, an additional 1.2 million uninsured people would be able to gain coverage.

The Texas Department of State Health Services (DSHS), in its July 2016 report entitled, "The Graduate Medical Education System and Physician Supply in Texas," noted several findings. For the country at-large, it is estimated that there are between 226 and 250 physicians per 100,000 people. By comparison, in 2015, DSHS estimated that Texas had 177 physicians per 100,000. By 2019, it is estimated that current interceptive actions will increase the ratio of physicians per 100,000 population by roughly 3 percent. Although current efforts are already helping alleviate the shortage of physicians in Texas, shortages are expected to persist. Texas currently trails the nation in physician supply and shortages can be particularly acute in rural areas. For example, the five most populated counties in Texas account for 43 percent of the population and 57 percent of the physician workforce. Moreover, the 175 counties with populations less than 40,000 people account for 8 percent of the population, but only 3 percent of the physician workforce.

The impact of federal health care reform on the need for physicians, while uncertain, strongly suggests that demand will exceed projected supply. The following paragraphs and table from, "The Impact of Health Care Reform on the Future Supply and Demand for Physicians Updated Projections Through 2025," report published in June 2010 by the Association of American Medical Colleges illustrate the increased demand for physician supply.

Health care reform, the Patient Protection and Accountable Care Act, (PPACA) signed into law in March 2010 is expected to make health insurance coverage available to more than 30 million previously uninsured Americans. It will also improve coverage and access to care for many others. Questions have been raised as to whether there will be a sufficient supply of physicians and other health professionals to serve the nation, especially in light of concerns that the nation was facing potentially significant shortages even before health care reform.

The report concluded that the nation was likely to face a significant shortage of physicians in the future under a variety of scenarios. While the report included a scenario of universal coverage, that scenario does not adequately reflect the final

PPACA provisions. Therefore, in order to assess the potential impact of the PPACA on the expected shortage, the AAMC Center for Workforce Studies, working with the Lewin Group (who assisted AAMC on the development of the original projections) has updated the 2008 projections to reflect the actual PPACA provisions, and also incorporated more recent physician supply and utilization data and updated population projections. Based on these revisions, under our most plausible scenario, described below, we project an overall shortage of 91,500 and 130,600 active patient care physicians in 2020 and 2025 respectively, and a primary care shortage of 45,400 and 65,800 physicians in 2020 and 2025, as indicated in the table below.

Projected Supply and Demand Full-time Equivalent Physicians Active in Patient Care, 2008-2025							
Year	Supply	Demand	Shortage	Shortage	Shortage		
	All	<i>A</i> //	A//	Primary Care	Non-Primary		
	Specialties	Specialties	Specialties		Care		
2008	699,100	706,500	7,400	7,400	0		
2010	709,700	723,400	13,700	9,000	4,700		
2015	735,600	798,500	62,900	29,800	33,100		
2020	759,800	851,300	91,500	45,400	46,100		
2025	785,400	916,000	130,600	65,800	64,800		

State-specific physician workforce data is updated annually by the Association of American Medical Colleges (AAMC) and the most current data reported by the AAMC in the 2015 State Physician Workforce Data Book shows Texas ranked among the highest in retention rates for trainees and among the lowest ranked states in physician workforce as summarized in the tables below. Texas ranks second nationally in physicians retained from undergraduate medical education (UME) (59.7% stay in Texas to practice) and fifth nationally in physicians retained from graduate medical education (GME) (58.2% stay in to practice). Moreover, when physicians completed both UME and GME training in Texas, over 80% stay in the state of Texas to practice. However, Texas continues to rank among the lowest nationally in ratios of patient care physicians and primary care physicians per capita. Increasing the physician workforce in Texas, therefore, requires filling the educational pipeline.

Physician Retention							
From UME	- Programs	From GME	Programs	Combined	UME/GME		
California	62.7%	California	69.8%	Hawaii	86.3%		
Texas	59.7%	Alaska	67.6%	Arkansas	81.1%		
Arkansas	58.9%	Montana	61.9%	Texas	80.6%		
Mississippi	54.2%	Florida	58.6%	California	80.4%		
Hawaii	53.0%	Texas	58.2%	Florida	79.1%		
National	38.7%	National	47.2%	National	66.8%		
Median		Median		Median			

Texas' Physician Workforce								
(per 100,000 population)	Texas Average	National	National Rank					
		Average						
Active Patient Care Physicians	190.8	225.6	42					

Active Patient Care Primary Care Physicians	71.4	90.4	47
Medical Students	27.6	30.4	32
Medical Residents and Fellows	29.1	27.4	22

According to the Texas Office of the State Demographer, the Dallas-Fort Worth-Arlington MSA had a 2016 population of 7.1 million with a 11.3% population growth rate from 2010-2016 and expects to nearly double in population by 2050.

The population of Fort Worth and North Texas, like certain other regions of the state and nation, includes communities with unmet needs in health care. The 2017 Texas Medical Association's report entitled, "Quick Statistics on the Uninsured in Texas and the U.S," states that roughly 22% of Texans age 19-64 are uninsured and that rate continues to rise. Physicians in training and teaching hospitals see a high proportion of the uninsured and underinsured populations. Engaging the uninsured population, and all underserved populations, is a critical scientific and social task for many medical schools in Texas. The TCU and UNTHSC School of Medicine, in particular, is well-positioned to contribute through a multi-pronged, sustainable commitment to community engagement, expanded local access to healthcare and health care providers, new models of service-learning involving inter-professional teams, community and university-based research, and scientific, managerial, public policy innovation in the Dallas-Fort Worth-Arlington metropolitan statistical area (MSA) and the North Texas community. UNTHSC brings to the establishment of an allopathic doctoral program in medicine nearly 50 years of innovative research, impassioned scholarship, and commitment to serve the people of Texas and the nation. This foundation presents a firm anchor in the partnership with TCU for interdisciplinary achievement that can help solve some of the most urgent, difficult problems in health care with a rare opportunity to bring fresh eyes to longstanding challenges.

B. Existing Programs

Identify the existing programs and their locations in Texas. Provide enrollments and graduates of these programs for the last five years, and explain how the proposed program would not unnecessarily duplicate existing or similar programs in Texas. Provide evidence that existing Texas programs are at or near capacity and describe how the existing programs are not meeting current workforce needs. Provide the job placement of existing Texas programs. Provide information about the number of existing programs nationally.

Twelve medical schools in Texas offer doctoral programs in medicine, ten of which are allopathic medical school. There are limited growth opportunities at existing programs in the state and even with projected increases in enrollment rates, the state of Texas will still fall short in its ability to supply an adequate number of physicians to its population. The most current data reported in the AAMC publication entitled The 2015 State Physician Workforce Data Book shows the ratio of physicians per 100,000 in Texas is 190.8 with the national average at 225.6, ranking Texas 42 of 50 states. The most recent enrollment and graduation data for Texas medical schools is included in the table below.

Texas Medical Schools										
Enrollment and Graduation, 2012-2017 Matriculants Degrees Conferred										
	2012-	2013-	2014-	2015-	2016-	Degrees Conferred 2012- 2013- 2014- 2015-			2015-	2016-
	13	14	15	16	17	13	14	15	16	17
Baylor	185	186	185	185	186	191	179	184	183	167
Texas A&M Health Science Center	106	139	206	206	191	117	134	157	189	194
Texas Tech University Health Sciences										
Center	143	145	183	183	182	130	189	136	138	150
Texas Tech University Health Sciences-El	No	No				No	No			
Paso	data	data	107	107	108	data	data	53	73	75
University of the Incarnate Word	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
University of North Texas Health Science										
Center	239	238	237	237	239	166	172	205	222	222
UT Austin Dell Medical School	N/A	N/A	N/A	N/A	50	N/A	N/A	N/A	N/A	N/A
UT Health Science Center-Houston	234	235	249	259	246	214	234	228	222	239
UT Health Science Center-San Antonio	224	224	224	219	220	207	225	220	202	207
UT Medical Branch-Galveston	228	229	232	233	234	237	221	211	219	213
UT Rio Grande Valley Medical School	N/A	N/A	N/A	N/A	55	N/A	N/A	N/A	N/A	N/A
UT Southwestern Medical Center	229	229	238	238	238	227	221	222	242	235

Sources:

Data for 2012-13 thru 2013-14 were retrieved using the former THECB Legacy Accountability System tool on 9/5/17.

Data for 2014-15 thru 2016-17 were retrieved using the new THECB Accountability System tool on 9/5/17. All UNTHSC data retrieved from THECB CBM 001 (Enrollments) and CBM 009 (Completions) reports.

The TCU and UNTHSC School of Medicine is uniquely positioned to serve the Dallas-Fort Worth-Arlington MSA and North Texas community with its resources and clinical partnerships. The School's doctoral program in medicine would not unnecessarily duplicate similar programs in Texas as none of the ten allopathic medical schools are based in Fort Worth and only one allopathic school, UT Southwestern, has a presence in the Metroplex Higher Education Region (Region 3).

As of September 2017, nationally, there are 138 fully accredited allopathic medical schools and 34 fully accredited osteopathic medical schools. This new program presents a unique opportunity to achieve prominence by educating the next generation of expert clinicians, medical leaders, and innovators to meet the changing needs of the profession and the public. Doctoral programs in medicine that successfully bridge the large gap between an individualistic, cost-insensitive training model and the pressing demands of communities, states, and the nation and affordable, high-performance, team-based medical care and improved population health will attain distinction.

C. Student Demand

Provide short- and long-term evidence of student demand for the proposed program. Types of data commonly used to demonstrate this include increased enrollment in related and feeder programs at the institution, high enrollment in similar programs at other institutions, qualified applicants rejected at similar programs in the state, and student surveys. Provide documentation that qualified applicants are leaving Texas for similar programs in other states.

Admission into allopathic medical school programs in the United States continues to be a highly competitive process with more than 53,000 aspiring allopathic medical students applying for fewer than 23,000 entering seats in 2016. According to the Association of American Medical Colleges, 4,531 aspiring allopathic medical students whose legal state of

residence is Texas sought application to allopathic medical school programs in 2016, a 6.5 percent increase from the prior application year. Of those applying for medical school whose legal state is Texas, 1,697 were accepted yielding a 37% acceptance rate.

It is reasonable to expect that student demand for admission into medical school programs in the state of Texas will continue to remain high and that the applicant pool will continue to remain strong in the future. The 2019 charter class of the TCU and UNTHSC School of Medicine will have 60 student positions; the new program will allow for additional placement opportunities for many qualified applicants.

D. Student Recruitment

Describe recruitment efforts specific to the proposed program, including plans to recruit and retain students from underrepresented groups.

The TCU and UNTHSC School of Medicine recruitment efforts would begin when appropriate accreditation approvals are in place.

The dissemination of printed material will be made available to potential and actual applicants, career advisors, and/or the public during open houses, regional and national recruitment fairs, local college and university presentations/campus visits, and by request. The TCU and UNTHSC SOM website will include substantial electronic-based information and recruitment materials including pamphlets, newsletters, and video stories about the medical education program. The TCU and UNTHSC public websites will include a link to the SOM's public website. Lastly, the TCU and UNTHSC SOM Office of Admissions and Outreach will create and maintain quarterly electronic communication with local, regional, and national pre-health advisors to share relevant information regarding admissions process, application deadlines, and recruitment activities (i.e. open houses, recruitment fairs).

Initial applications will be accepted through the Association of American Medical College's national application service, American Medical College Application Services (AMCAS). The TCU and UNTHSC SOM Office of Admissions and Outreach will utilize an application management program software (AMP) to administer each step of the admissions process. Upon receipt of the AMCAS application, the Office of Admissions and Outreach will send each applicant an email message that will include their unique login and password for AMP, application deadlines, and the contact information for the TCU and UNTHSC SOM Office of Admissions and Outreach.

The TCU and UNTHSC School of Medicine (SOM) Medical Student Selection Policy outlines the holistic admission procedures that give equal and balanced consideration to the academic, experiences, and attributes of applicants as a means by which selections support the educational and diversity missions of recruiting a talented and diverse student body.

1. Preliminary screening for applicants to receive the secondary/supplementary application

The TCU and UNTHSC SOM Office of Admissions and Outreach staff will conduct daily application reports to process and review AMCAS applications beginning in October and through the deadline of November 15. The application cycle for the charter class will deviate from the usual admissions schedule due to the timing of accreditation, which will be stated in the Medical Student Admission Requirement (MSAR), on the AMCAS website, and on the public school of medicine (SOM) website. A member of the staff will review the AMCAS data, limited to the academic record, Medical College Admissions Test (MCAT), residence, and citizenship. Applicants with US citizenship or permanent resident status, a minimum

science foundation as determined by a Medical College Admissions Test (MCAT) score at the 40th percentile, and a baseline critical thinking and reasoning as determined by a composite grade point average of 3.0 will receive the secondary/supplementary application. Applicants who meet these thresholds will be notified through AMP and invited to complete a secondary/supplemental application. Applicants who do not meet these thresholds will be notified through AMP and released from further consideration. A staff member can request a special review of an applicant file by the associate dean for admissions and student diversity (ADASD) if there is compelling evidence of life experience or personal attributes that the medical school values and would advance the aims of recruiting a diverse student body. The review may result in an invitation to complete the secondary/supplemental application.

The secondary/supplemental application will ask applicants to respond to several questions through: 1) three-minute audio-based responses (ABRs) aimed at identifying personal attributes; 2) a writing sample to address written communication and cultural competence; 3) the Jefferson Scale of Physician Empathy (JSPE) to measure empathy; 4) a Self-Directed Learning Readiness Scale (SDLRS) to measure self-awareness; and 5) a prerequisite coursework inventory. The ABRs will focus on core personal attributes sought in an entering medical student, as well as the applicant's preparation and fitness to thrive as a self-directed learner. The writing sample will seek to garner the unique qualities that will advance the medical school's aims of recruiting a diverse student body. The secondary/supplemental application will also require a passport-size photograph and a \$100 fee. Applicants approved for the AAMC Fee-Assistance Program (FAP) will have the \$100 fee waived.

2. Selection for the interview

The TCU and UNTHSC SOM Office of Admissions and Outreach staff will conduct daily application reports to process and review secondary/supplemental applications beginning in mid-July through the deadline of December 1. The application cycle for the charter class will deviate from this schedule due to the timing of accreditation, which will be stated in the electronic message that accompanies the secondary/supplemental application invitation, the Medical Student Admission Requirement (MSAR), AMCAS, and on the SOM public website. A staff member in the TCU and UNTHSC SOM Office of Admissions and Outreach will begin the interview selection based on a three-tiered process to review and assess personal attributes, and communication and writing skills, among other attributes and skills. The three-tiered process will include a single review by a staff member in the Office of Admissions and Outreach, a single review by a faculty member in the Office of Educational Affairs and Accreditation, and the final review by the associate dean for admissions and student diversity. The purpose of the three-tiered holistic review of an applicant is to assess and identify applicants who meet the educational and diversity missions that support the school's aim of recruiting a talented and diverse student body. The three-tiered review will seek to identify the diversity of an applicant based on evidence of disadvantage such as socio-economic status (SES) as might be indicated by low income, lack of access to education and health care, low parental education attainment, etc. The school interviews only those applicants who are the best match for the program and exemplify the high standards of the school of medicine.

The first tier review will be conducted by a staff member and will be based on the holistic review of an applicant's academic and non-academic experiences and contribution to the aims of recruiting a diverse student body. The review includes, but is not limited to service orientation, quantitative reasoning, living systems and human behavior as identified in the AMCAS experiences, and academic record. The staff will also review and evaluate the writing sample collected in the secondary/supplemental application. A checklist will guide

the review of academic and non-academic activities, achievements, and academic foundation. A criteria-based rubric will guide the review and score calculation of the writing sample.

A minimal checklist and score threshold will determine advancement to the second tier review. Applicants that progress will be notified through AMP. Applicants who do not meet the threshold will be notified through AMP and released from further consideration and a refund of the \$100 fee will be provided. A staff member can request a special review by the ADASD if there is compelling evidence of life experiences or personal attributes that the medical school values and seeks in its students. The review may result in an advance to the tier two review.

The second tier review will be conducted by a faculty member and based on the holistic review of an applicant's personal attributes by observing and scoring the ABRs. A criteria-based rubric will guide the review and score calculation of the applicant's self-reflection of personal attributes including, but not limited to, ethical responsibility to self and others, resiliency and adaptability, capacity for improvement, and oral communication.

The final review will be conducted by the ADASD and will be based on the results from the first and second tier reviews and the JSPE and SDLRS, as well as the consideration of the applicant's contribution to a diverse student body. The ADASD will seek the input of the Admissions Committee chair to rank order and prioritize the interview invitations. Approximately 400 interview invitations will be offered. Applicants who do not meet the threshold will be notified through AMP and released from further consideration. The independent results of the first and second tier reviews will be added to the overall admission file and made available to the Admissions Committee for final acceptance decision-making.

3. The Interview

Applicants invited to interview will be notified through AMP and will be provided a calendar of the approximate 20 available interview days, known as the MD Visit Day (MDVD), conducted during the months of September through February. The application cycle for the charter class will deviate from this schedule due to the timing of accreditation. The applicant will choose the date that best fits his/her schedule. The MDVD is a structured day that will include an academic program presentation by the dean or designee, campus tours, the administration of the Multiple Mini-Interview (MMI), a simulated flipped-classroom session, and information sessions with student services staff (i.e. financial aid, academic and career advising, diversity and inclusion). The MDVD will conclude with a session from the ADASD that will provide the dates by which decisions will be communicated and other pertinent dates related to orientation and the first day of medical school.

The Multiple Mini-Interview (MMI) is a series of 10-short, structured interviews, also known as "stations." Each station is nine minutes in duration and is comprised of a two-minute preparation for the station, followed by a seven-minute dialogue with a "rater" or interviewer. Each MMI case will be mapped to one or more of the desired interpersonal and personal attributes critical to the identification of an "empathetic scholar." To assess these desired personal attributes, MMI stations will be presented to the student in scenarios, direct questions, or through active role-play. The MMI will involve at least six faculty, one standardized patient, and up to three staff, community members, or graduate students. Members of the admissions committee may participate in the MMI session, although it is not expected that every MMI session will have a member of the admissions committee.

Each applicant will be assessed in each station. The same stations will be utilized throughout the admission season. At the conclusion of the 10-station MMI, an individual report of each applicant will be generated. The MMI report will represent individual performance from three views: station-by-station, 10-station overall and a comparison to peers. The report will include statistical data (i.e. averages, standard deviation, Z-scores and percentiles, in rank-order) for each view. The result of the MMI will be added to the overall admission file and made available to the Admissions Committee for final acceptance decision-making.

As another opportunity to identify and document the personal attributes of a self-directed learner, applicants will engage in a faculty-led simulated flipped-classroom session. Applicants will receive material to review in advance of their scheduled MDVD simulated classroom session. This session not only demonstrates the interactive and self-directed learning methodology employed by the SOM for the applicant's understanding, but also provides an assessment of the institutional fit as provided by the faculty.

Informal feedback will be sought from the staff with whom the applicants interact during the MDVD. The roster of applicants (names, photographs) will be provided to the information session presenters, MMI staff proctors, and eventually, medical students who host breakfast and lunch conversations. Any concerning behavior demonstrated by an applicant will be reported, including but not limited to unprofessional comments, poor communication, and inability to allow others' input as observed during their respective sessions. These observations will be added to the overall admission file and made available to the Admissions Committee for final acceptance decision-making.

4. The acceptance decision

The TCU and UNTHSC SOM Office of Admissions and Outreach staff will collate interview reports and a member of the staff will assign each applicant file to the TCU and UNTHSC SOM Admissions Committee for a final review and admission decision that will occur periodically, approximately every two weeks following each interview day. Offers of admission will be released on and after October 15th on a rolling basis until the last meeting in early-spring. The application cycle for the charter class will deviate from this schedule due to the timing of accreditation. Rejections will be released on the same time frame, while alternates will not be chosen until the final committee meeting in early-spring. All final admission decisions, including alternates, will be rendered by vote of the full Admissions Committee and will be considered final and not subject to appeal.

The TCU and UNTHSC SOM Admissions Committee will select applicants for admission through a three-step holistic review process: 1) individual application review, 2) subcommittee deliberation, and 3) full committee final review and vote.

Step 1 - Individual application review

The individual application review is conducted during a 10-day window immediately following each interview day, which occurs from September through the mid-spring. Seven TCU and UNTHSC SOM Admissions Committee members, for the purpose of Step 2, will be considered a subcommittee. Each subcommittee will consist of five faculty, one at-large, non-faculty member, and eventually one student. Each of the seven members will have access to the scored rubrics for the writing sample, AVRs, and simulated flipped-classroom activity. Each member will also have access to the applicant's personal statement, letters of recommendation, and MMI report. Using these data, each member will complete a Likert-scale response focused on the overall fit for an "empathetic scholar." The individual application reviews will be collated by the TCU and UNTHSC SOM Office of Admissions and

Outreach and a comprehensive rank-ordered report will be generated for the full Admissions Committee's utilization.

Step 2 - Subcommittee deliberation and admission recommendation
Using the collated, comprehensive, rank-ordered report from Step 1, each subcommittee
will convene approximately three days after the individual review window has ended and
will review, deliberate, and prepare an admission recommendation to be reviewed and
voted on by the full TCU and UNTHSC SOM Admissions Committee. The subcommittees will
have access to all application data collected on the AMCAS application, including
experiences, academic record, personal statement and letters of recommendation, the
writing sample, JSPE, SDLRS, and MMI report. The deliberations and admission
recommendation will focus on the applicants who best fulfill the mission and diversity
interests of the SOM. A quorum of faculty members will be required during the
subcommittee deliberation and admission recommendation step. Subcommittee quorum is
defined as four members present, of which three must be faculty. A simple majority is
required.

Step 3 - Committee final review and vote

A meeting of the full TCU and UNTHSC SOM Admissions Committee will be held on the same day as the Step 2 subcommittee meetings, which will occur from September through the mid-spring. Immediately following the Step 2 subcommittee meetings, the full TCU and UNTHSC SOM Admissions Committee will convene and the leader of each subcommittee will present each application being considered for admission on a rotating basis. Selection of applicants will be made on a competitive basis, without regard to race, color, religion, national origin, age, disability, marital status, gender, sexual orientation, or veteran status. Qualified handicapped applicants will be considered in relation to the technical standards. Applicants being considered for admission will be first on the agenda and a vote taken at the conclusion of each rotation. The applicants being considered for rejection or a neutral hold for subsequent consideration will be voted on as a whole by consent agenda.

A quorum of faculty members will be required during the final review and vote of the full TCU and UNTHSC SOM Admissions Committee. A quorum of the full TCU and UNTHSC SOM Admissions Committee is defined as eight members present, of which six must be faculty. A simple majority vote is required for decision.

Decisions by the full TCU and UNTHSC SOM Admissions Committee are based on a holistic admission process that gives balanced and equal consideration of the academic and non-academic factors required to be successful as a self-directed adult learner in the unique curriculum aimed to train "empathetic scholars." The TCU and UNTHSC SOM Admissions Committee is committed to selecting students who will contribute to the aims of recruiting a diverse student body. All decisions are final and not subject to appeal.

5. The offer of admission

The TCU and UNTHSC SOM associate dean for admissions and student diversity will deliver admission offers by phone call, followed by a letter delivered electronically to the email address of record. The letter will outline the conditions of matriculation including, but not limited to:

- completion of remaining prerequisite coursework (if applicable);
- the ability to perform, with or without reasonable accommodations, the technical standards for matriculation, promotion and graduation, and;
- the ability to successfully pass a school-specific criminal background check and drug screening.

Offers of admission will be extended on a rolling basis. All candidates holding a seat will be asked to render a final decision with regard to their intent to matriculate no later than April 30. No financial deposit is required at any point.

Waitlist/Alternate Decisions

The TCU and UNTHSC SOM Admissions Committee will select and approve an unranked alternate list at the conclusion of the admission cycle and will create the Alternate List Subcommittee to fill vacancies, as needed, until the entering class is considered full as determined by the start of new student orientation.

The Alternate List Subcommittee consists of the TCU and UNTHSC SOM Admissions Committee Chair and the faculty leader from each of the Deliberation and Recommendation Subcommittees. The TCU and UNTHSC SOM Admissions Committee will delegate authority to move individuals off the alternate list based on Medical Student Selection Policy criteria with priority to applicants who demonstrate evidence of factors that will contribute to a talented and diverse student body. The overall balance in the class (i.e. male/female, science/non-science major's ratios) will also be a second priority when considering to fill a vacancy.

The TCU and UNTHSC SOM Admissions Committee chair will prepare and disseminate a report of the Alternate List Subcommittee selection and deliberations regarding alternate movement, if any, to the Admissions Committee once the class is considered full as determined by the start of new student orientation.

The TCU and UNTHSC SOM associate dean for admissions and student diversity will deliver alternate admission offers by phone call, followed by a letter delivered electronically to the email address of record. A decision will be due within two-weeks, or sooner depending on the start date of orientation.

The SOM will consider the matriculated class as complete and final upon the first day of orientation. All remaining alternates will be released from consideration and notified electronically.

The TCU and UNTHSC SOM Admissions Committee of the whole will review a final admission report at the conclusion of the admission cycle. One section of the report will be to inform the members of the alternates chosen and the basis by which each was chosen for admission. Additionally, the report includes data from the application process, compositional diversity of class, student evaluations of processes, etc.

Efforts to Recruit Students from Underrepresented Groups

Preparation: Specific to the preparation of students, the following programs/activities will be developed to support the aims to enhance diversity in the student body.

K-12 Initiatives

The TCU and UNTHSC SOM Office of Admissions and Outreach has created an academic and personal enrichment program called Junior Medical School. The program is designed to promote an interest in and access to medicine and health careers. Programming includes age-appropriate hands-on activities and didactic sessions taught by faculty and eventually, medical students. Junior Medical School is held during the summer months and monthly one-day sessions throughout the academic year. The first summer session was held in June 2017 with 28 students identified from three junior high schools in the Fort Worth

Independent School District (FWISD). Youth from diversity-defined backgrounds are given registration priority and a financial waiver from any associated program fee.

College-level Initiatives

The TCU and UNTHSC SOM Office of Admissions and Outreach is developing an intensive summer application preparation program called #FutureMD. This program will be designed to provide skill-building techniques (i.e. writing effectively, interview techniques, study and test preparation) and accurate admission information to aspiring applicants. Aspiring applicants from diversity-defined backgrounds will be identified through pre-health advisors and given priority for registration and a financial waiver from any associated program fee.

An advising development program for local, regional, and national pre-health advisors from colleges and universities also is being created. Advisors will be invited to visit campus, meet faculty, staff, and eventually students, and experience a mock admission selection meeting. Advisors from Historically Black Colleges or University (HBCUs) and other identified minority-serving local institutions will be specifically recruited to attend, including financial support.

Short educational videos are being developed and once accredited, live webinars will be hosted about the admission process, selection criteria, and skill-building techniques (i.e. writing effectively, interview techniques, study and test preparation). These sessions will be hosted on the SOM public website as a resource for aspiring applicants who may not have the financial resources for preparation courses and application counseling. The public website will also contain links to premedical student resources including, but not limited to, Association of American Medical Colleges' AspiringDocs, Khan Academy, and other reputable student resources.

In addition, individual counseling sessions will be available by telephone and/or virtual meeting software with aspiring applicants who lack access to premedical advising either because they are not currently enrolled at an undergraduate institution or resources do not exist.

A database is being created for local and regional premedical student clubs and organizations (i.e. American Medical Student Association, Alpha Epsilon Delta), college and university premedical advising offices, and faculty advisors to promote and recruit participants for the above mentioned diversity programs/activities to enhance the preparation of future applicants.

Recruitment: Policies, programs and activities to support the recruitment of a diverse student body.

The TCU and UNTHSC SOM Office of Admissions and Outreach will conduct a holistic review of applications. Prior to each admission cycle, a mandatory Implicit Bias training for all admissions committee members will be conducted, and to reinforce concepts learned, a mock selection session will occur before the start of each admission season.

In collaboration with the Office of Diversity and Inclusion, the TCU and UNTHSC SOM Office of Admissions and Outreach will host sessions during the MD Applicant Visit Day to increase awareness of diversity and inclusion programs/activities offered as part of the educational and co-curricular programs. Additional programming will occur during recruitment events held later in the admission season (i.e. Second Look Weekend, Revisit Days) and eventually, medical students representing diversity student organizations will plan and host these sessions.

The TCU and UNTHSC SOM Office of Admissions and Outreach will utilize the AAMC's Medical Minority Applicant Registry (Med-MAR) to encourage an application from students identified on the report.

The SOM Diversity, Equity and Inclusion Policy statement will be embedded in all application materials. Philanthropic support will be sought to support scholarship funding. Admissions will work closely with development officers to create donor relationships with area minority-serving health professional organizations.

Retention: The following programs/activities will be developed to support retention of students.

The TCU and UNTHSC SOM Office of Faculty Affairs and Development will allow faculty to opt-in to a Diversity and Inclusion Mentoring Excellence network to build informal and formal mentoring relationships between diverse faculty and students. The Chief Diversity and Inclusion Officer will establish networks with minority-serving health professional organizations (i.e. North Texas Latin-American Physician Association, Artemis Medical Society) and the TCU and UNTHSC SOM Office of Faculty Affairs and Development to build a network of physicians interested in serving in an informal mentor relationship to medical students based on diversity-defined backgrounds. Informal meetings will be encouraged during the academic year as time permits.

A benchmarking diversity engagement survey will be created by the TCU and UNTHSC SOM Office of Diversity and Inclusion and disseminated to all students, faculty, and staff on the following schedule: students will be surveyed after the end of Phase I and Phase II in the curriculum, while staff and faculty will be surveyed every three years.

The TCU and UNTHSC SOM Office of Diversity and Inclusion will provide several programs to meets its goals, including delivery of a mandatory session on Implicit Bias during the first course in medical school. Monthly, in-person, skill-building workshops (i.e. Confronting Difficult Conversations, Respectful Discourse, MedSafeZone) will be hosted to enhance the understanding and importance of an inclusive community. To reach a broader audience, tailored short educational videos and live webinars will also be provided. Week-long programs will be hosted each fall semester to raise awareness to the health care disparities that exist within the local community. Topics will be identified and speakers will be invited from various backgrounds (i.e. refugee health, underrepresented populations) to share stories, challenges and aspirations for future health care. A Spring symposium focused on a diversity topic in medicine will be held in conjunction with the TCU and UNTHSC SOM Office of Admissions and Outreach recruitment event.

Diversity, Equity, and Inclusive Excellence Stipend awards will be provided to encourage and support student involvement in research, leadership, conference presentations, or student activities that focus on a broad range of topics such as workforce diversity, health disparities, and the promotion of a diverse and inclusive learning environment. An optional medical Spanish course for students, faculty, and staff will be offered. The TCU and UNTHSC SOM Office of Diversity and Inclusion will also support affinity-based organizations (i.e. Latino Medical Student Association, Muslim Student Association, LGBTQ) as they are created by the students.

The TCU and UNTHSC SOM Office of Student Affairs will support the TCU and UNTHSC SOM Student Government and will identify at least two diversity and inclusion representatives from each medical school class to serve in a leadership position within Student Government and on the SOM-wide Diversity and Inclusion Advisory Council. Additional support from

learning specialists and physician development coaches will aid in the retention of diverse students.

The TCU and UNTHSC SOM Department of Medical Education will deliver a curriculum that embeds the importance of key societal problems facing physicians. These offerings include, but are not limited to:

- Preparation for Practice -- a four-year longitudinal course of topic-driven thematic material in social determinants of health, community and public health, ethics, aging, health care delivery, policy and advocacy, among others.
- Patient Communication and Narrative Medicine --woven throughout the four-year curriculum, this program focuses the importance of effective communication and self-reflection when caring for a diverse patient population.
- Scholarly Pursuit and Thesis -- a four-year independent research project with opportunities to engage in research projects important to the discovery and advancement of diversity-related issues (i.e. health disparities, socioeconomic and access to quality care.)
- Service Learning and Community Involvement -- activities provide students with opportunities to engage with the diverse patient population of the greater Fort Worth community. This elective course is for senior medical students interested in diversity and leadership and will cover the importance of diversity in medicine, institutional bias, advocacy, and organizational change.

E. Enrollment Projections

Complete Table 1 to show the estimated cumulative headcount and full-time student equivalent (FTSE) enrollment for the first five years of the program, including the ethnic breakdown of the projected enrollment (White, African American, Hispanic, International, Other). Include summer enrollments, if relevant, in the same year as fall enrollments. Subtract students as necessary for projected graduations or attrition. Provide explanations of how headcounts, FTSE numbers, projections for underrepresented students, and attrition were determined. Define full-time and part-time status.

Table 1. Enrollment Projections							
	Year 1	Year 2	Year 3	Year 4	Year 5		
New Students	60	60	60	60	60		
White	40	40	40	40	40		
African-American	2	2	2	2	2		
Hispanic	6	6	6	6	6		
International	0	0	0	0	0		
Other	12	12	12	12	12		
Cumulative Headcount	60	120	180	240	240		
FTSE	60	120	180	240	240		
Attrition	1	1	1	1	1		
Graduates	0	0	0	60	60		

The TCU and UNTHSC School of Medicine anticipates enrolling 60 full-time medical students each year. Pending preliminary accreditation from the LCME, the charter class of 60 students will matriculate in July 2019 and will graduate in May 2023 at the completion of the four-year

program. The anticipated number of students in the program at any given time will be 240 full-time medical students. Although projections for diversity of the student enrollment and attrition cannot be precisely projected, it is anticipated that these numbers will be comparable to those of other medical schools in the United States.

II. Academics

A. Accreditation

If the discipline has a national accrediting body, describe plans and timeline to obtain accreditation. For disciplines where licensure of graduates is necessary for employment, such as clinical psychology, plans for accreditation are required. If the program will not seek accreditation, provide a detailed rationale explaining why.

The accreditation body for allopathic medical education programs is the Liaison Committee on Medical Education (LCME), a more than 70-year old organization formed to oversee medical education in the United States and Canada through a partnership of the American Medical Association (AMA) and the Association of American Medical Colleges (AAMC). The nine members of the LCME Council include practicing physicians, medical educators, public members, and students. The formal responsibilities for managing LCME are shared between two Secretariats, one appointed by the AAMC and one by the AMA. Medical education programs must be accredited by the LCME to be eligible for many federal grants and programs, and students must participate in accredited medical education programs to qualify to take the United States Medical Licensing Examination and to be placed in an accredited residency program.

The accreditation process begins when a school seeking to develop a new medical education program submits an application fee and an attestation that it meets basic eligibility requirements. If the LCME Secretariat makes an affirmative judgment, the school is granted "Applicant School" status. The TCU and UNTHSC Medical School is listed on the LCME website as an applicant program at the following link: http://lcme.org/directory/candidate-applicant-programs/.

The applicant program composes an education database, Preliminary Data Collection Instrument, and a Preliminary Accreditation Self-Study, which defines the institution's vision and goals, describes the proposed educational program, and establishes plans and timetables for institutional development in multiple areas. The applicant school must develop an admission and selection process; resources for academic counseling, financial aid, health services, and personal counseling; standard procedures for promotion, evaluation, advancement, and graduation as well as for disciplinary actions; and standards for the teacher-learner relationship and for preventing student mistreatment. With respect to faculty, the applicant must establish policies for appointment and for promotion and tenure, must hire sufficient faculty to teach first-year medical students, and must have a timeline for hiring faculty to teach second-year students. The applicant must also identify classroom space. The applicant school submits all materials and plans for review. If the materials are favorably reviewed by the LCME, then the LCME approves the program be granted a survey visit for preliminary accreditation. Once the site visit is scheduled, the applicant school is granted "Candidate School" status.

An LCME survey team completes a survey visit and prepares a report of its findings for consideration by the LCME at its next regularly scheduled meeting. If the LCME determines that the program meets the standards outlined in the LCME document, Guidelines for New and Developing Medical Schools, the LCME votes to grant "Preliminary Accreditation" to the program for an entering class in an upcoming academic year. A grant of preliminary

accreditation by the LCME allows the applicant school to begin to recruit and enroll its charter class.

Once classes have begun, the applicant school submits an application for provisional accreditation. This application requires a completed education database and self-study retrospectively examining the first-year curriculum, and analysis of the progress of the second-year curriculum, and a plan for student clinical training and clerkships in the third and fourth years. The program's students must also conduct an independent survey of the enrolled student body to gather input on the school's medical education program, the quality and availability of student services, their learning environment, and the adequacy of the educational resources. A student committee then composes an independent report based on the survey's findings. That report is subsequently reviewed by LCME surveyors when they visit the campus to assess the school for provisional accreditation. During the site visit, the survey team meets one-on-one with administrators, faculty, and groups of students to assess the program. If successful, the applicant is granted "Provisional Accreditation" status.

After provisional accreditation, the applicant school completes a third and final education database focusing on the entire four-year curriculum, including the clinical education, and the enrolled student body submits a second independent report of student survey findings. The LCME makes a third survey visit during the charter class's fourth year for a final inperson evaluation. The LCME then votes on whether to grant the school "Full Accreditation" status, which roughly coincides with the graduation of its charter class. Once a school has achieved full accreditation, the ongoing programs are continuously reviewed on an 8-year cycle.

Notably, the LCME requires that to apply for accreditation, the sponsoring institution must have applied for authority to grant the M.D. degree from the appropriate local and regional entities. Through the submission of this document, the TCU and UNTHSC School of Medicine is formally pursuing approval from the Texas Higher Education Coordinating Board. Additionally, a Substantive Change Proposal will be submitted to the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to offer a joint degree.

Accreditation Timeline					
Action	Proposed Date				
Submit THECB Proposal for New Doctoral	November 2017				
Degree Program					
Submit LCME Preliminary Accreditation	November 2017				
Materials (TCU)					
Submit SACS COC Substantive Change	December 2017				
Prospectus					
LCME Preliminary Accreditation Site Visit	Spring-Summer 2018				
LCME Decision for Preliminary Accreditation	October 2018				
Submit SACSCOC Substantive Change to Offer	November 2018				
Joint Degree					
Submit LCME Provisional Accreditation	December 2019				
Materials					
LCME Provisional Accreditation Site Visit	Spring-Summer 2020				
LCME Decision for Provisional Accreditation	October 2020				
Submit LCME Full Accreditation Materials	April 2022				
LCME Full Accreditation Site Visit	Fall 2022				

B. Admissions Standards

Describe the institution's general graduate admissions standards and the program-specific admissions standards for applicants of the program. The description addresses how the proposed program will seek to become nationally competitive. Explain how students will be assessed for readiness to enroll in program coursework. Include any policies for accepting students transferring from other graduate programs. Explain whether the program will accept full-time and part-time students.

The doctoral program offered by the TCU and UNTHSC School of Medicine will adhere to general university guidelines, but will have unique standards and a unique admission process from other graduate and professional programs on the two campuses. Specific admission standards for the TCU and UNTHSC School of Medicine are outlined below.

Students will be required to take the Medical College Admissions Test (MCAT), submit evidence of coursework completion, complete an application through the Association of American Medical College's national application service, American Medical College Application Services Application, and to complete any custom school-specific application requirements. The TCU and UNTHSC School of Medicine Admissions Committee will identify students who exhibit academic, personal, and professional readiness as assessed through course work, experiences, and results from the Multiple Mini-Interview and other data collected in the application process. Students will be expected to complete any pre-requisite academic requirements and meet any established technical standards to perform essential functions. The process for reviewing applications, interviewing candidates, and selecting the class will be carefully constructed to utilize a holistic approach to admissions. These standards and processes are consistent with the practice of other medical schools in the United States. Transfer students will not be considered for acceptance.

C. Program Degree Requirements

Describe the similarities and differences between the proposed program and peer programs in Texas and nationally. Indicate the different credit hour and curricular requirements, if any, for students entering with a bachelor's degree and students entering with a master's degree. Complete Table 2 to show the degree requirements of the proposed program. If requirements vary for students entering with a master's degree or comparable qualifications, provide an explanation. Modify the table as needed. If necessary, replicate the table to show more than one option.

The development of curriculum elements and the sequencing of their delivery for the inaugural class are ongoing. Work groups have been examining core content areas, innovative curriculum integration opportunities, and delivery methods that utilize state-of-the-art technology in order to maximize the student learning experience. The curriculum features early clinical experiences and inter-professional education while affording students the opportunity for training in biomedical sciences, public health, and other areas.

Research and scholarly activity will be required of all students. A unique aspect of the program is the completion of a thesis by all students. This four-year independent research project provides opportunities to engage in research projects important to the discovery and advancement of diversity-related issues (i.e. health disparities, socioeconomic and access to quality care). The overarching goals of the Scholarly Pursuit and Thesis (SPT) course are to foster a culture of inquiry within the student body and faculty, as well as an appreciation of life-long learning, critical thinking, the team approach to problem solving,

and effective communication skills. The four-year pursuit will be divided into semesters with benchmarks, objectives, and deliverables expected at the end of each semester, resulting in a grade for each semester course. This approach clarifies the objectives and goals in a longitudinal and developmental fashion, guiding the student in understanding and completing the goals of his/her research project resulting in a thesis. A course director will be responsible for oversight of the entire four-year long pursuit, aided by two assistant directors, a coordinator, and an administrative assistant. Additionally, biostatisticians will be available for student consultation.

The semester/clock hours will be assigned in the future and will conform to any applicable laws and THECB rules.

Requirements will not vary for students entering with a master's degree vs a bachelor's degree.

Table 2: Program Degree Requirements						
Category	Semester Credit Hours, Entering with Bachelor's (noted in weeks)	Semester Credit Hours, Entering with Master's (noted in weeks)				
Required Courses	145 weeks	145 weeks				
Prescribed Electives	8 weeks	8 weeks				
Electives	32 weeks	32 weeks				
Dissertation	N/A	N/A				
Other (Specify, e.g., internships, clinical work, residencies)*	N/A	N/A				
TOTAL ¹	TBD	TBD				

^{*}Clinical work is included in the required courses, prescribed electives and electives.

Complete Table 3 to provide a comparison of the proposed program to existing and/or similar programs in Texas in terms of total required semester credit hours (SCH). Modify the table as needed.

Table 3. Semester Credit Hour Requirements of Similar Programs in Texas								
Institution	Program CIP Code	Degree Program	Semester Credit Hours, Entering with Bachelor's	Semester Credit Hours, Entering with Master's				
Baylor	51.1201.00	Medicine	No data available	No data available				

 $^{^{}m 1}$ Please note that Education Code 61.059 (I) limits funding for doctoral programs to 99 SCH, unless exempted by the THECB.

Division of Academic Quality and Workforce Updated 6.29.2017

Texas A&M Health Science Center	51.1201.00	Medicine	194	194
Texas Tech University Health Sciences Center	51.1201.00	Medicine	169	169
Texas Tech University Health Sciences-El Paso	51.1201.00	Medicine	155	155
University of North Texas Health Science Center	51.1901.00	Osteopathic Medicine	240	240
UT Austin Dell Medical School	51.1201.00	Medicine	No data available	No data available
UT Health Science Center-Houston	51.1201.00	Medicine	No data available	No data available
UT Health Science Center-San Antonio	51.1201.00	Medicine	175	175
UT Medical Branch- Galveston	51.1201.00	Medicine	180	180
UT Rio Grande Valley Medical School	51.1201.00	Medicine	No data available	No data available
UT Southwestern Medical Center	51.1201.00	Medicine	No data available	No data available

Data retrieved from THECB Institution's Inventory of Degree Programs on 9/5/17 or provided by individual school.

D. Curriculum

Describe the educational objectives of the proposed program. If the program has a unique focus or niche, describe it in relationship to peer programs. Describe how the program would achieve national prominence. Provide an explanation of required, prescribed, and elective courses and how they fulfill program requirements.

Describe policies for transfer of credit, course credit by examination, credit for professional experience, placing out of courses, and any accelerated advancement to candidacy.

Identify any alternative learning strategies, such as competency-based education, that may increase efficiency in student progress in the curriculum. If no such policies are in place to improve student progression through a program, provide an explanation.

Educational Objectives

The program includes the following competency domains: Patient-Centered Care, Medical Knowledge, Communication and Collaboration, Professionalism, Critical Appraisal and Lifelong Learning, Systems, Safety, Service and Society, and Personal and Professional Formation. Within the seven competency domains, forty Educational Program Objectives were identified and are listed below.

Patient-Centered Care

- 1. Elicit an accurate, comprehensive and problem-focused history and perform a thorough, problem-focused physical examination
- 2. Perform appropriate screening and diagnostic procedures for maintaining and improving patient health
- 3. Accurately interpret clinical, laboratory, and diagnostic data and take necessary next steps

- 4. Reason deductively to develop a comprehensive and practical differential diagnosis
- 5. Develop effective intervention and management plans using evidence-based principles that optimize patient safety
- 6. Participate in collaborative team-based care and shared decision making activities to provide patient-centered care within an integrated delivery model

Medical Knowledge

Apply established and emerging principles of:

- 1. Social-behavioral science to the provision of patient care, including assessment of the impact of psychosocial-cultural influences on health and disease
- 2. Biophysical science to the health care for patients and populations
- 3. Clinical science to diagnostic and therapeutic decision making, clinical problem solving, and other aspects of evidence-based health care
- 4. Epidemiological science to the identification of health problems, risk factors, treatment strategies, resources, and disease prevention/health promotion efforts for patients and populations

Communication and Collaboration

- 1. Communicate effectively and in a timely manner using empathetic verbal and nonverbal communication
- 2. Recognize emotional cues and address difficult situations with care and respect
- 3. Provide accurate and relevant documentation
- 4. Engage others by asking relevant questions, and overcome barriers in an effective manner
- 5. Collaborate with team members, patients, and community in a manner that fosters receptivity and inclusiveness
- 6. Recognize other team members' roles and maintain and promote mutual respect

Professionalism

- 1. Demonstrate compassion, respect and sensitivity in all interactions
- 2. Demonstrate trustworthiness (honesty, integrity, and accountability) in all interactions
- 3. Use ethical judgment to maintain privacy, confidentiality, and support of legal requirements
- 4. Model the promotion of reassurance and empathy within the patient-centered team
- 5. Demonstrate responsiveness to the needs of patients and society that supersede self –interests
- 6. Acknowledge and avoid conflicts of interest within the health care environment that adversely affect patient care outcomes

Critical Appraisal and Life-long Learning

- 1. Identify strengths and limitations to constructively evaluate one's own progress
- 2. Effectively utilize technology to optimize the practice of evidence-based medicine
- 3. Model and engage others about life-long learning opportunities
- 4. Provide and elicit feedback in a constructive manner to support quality improvement practices
- 5. Critically appraise and evaluate information to support innovations in patientcentered care (EBM)

6. Apply health care needs of diverse individuals to populations and communities

Systems, Safety, Service, and Society

- 1. Apply principles of patient safety and quality improvement to prevent adverse events and improve health care outcomes using an integrated approach
- 2. Examine structure, cost, and resources in the provision of care
- 3. Evaluate risk, benefits, and system changes to deliver optimal care
- 4. Identify safety precautions, follow proper protocols, and report errors in a timely manner
- 5. Advocate for quality of care for individuals and populations
- 6. Evaluate the effect of social and cultural determinants of health on the use of health care services and integrate this knowledge into the care of patients

Personal and Professional Formation

- 1. Use researched practices to promote and balance personal wellness and disease prevention
- 2. Manage conflict and acknowledge personal and professional boundaries
- 3. Practice reflection and self-awareness, and establish self-improvement goals
- 4. Recognize ambiguity and exercise situational judgment in stressful situations
- 5. Engage in leadership activities as an active member of the medical profession to improve health within the community
- 6. Take responsibility for all actions and seek help to develop a corrective action plan

The curriculum differs from the standard medical school format of two years of basic/clinical science coursework followed by two years of clinical clerkships. In general, the structure of the planned curriculum will be delivered in three phases that span four years.

- Phase 1: July of Year 1- July of Year 2
- Phase 2: August of Year 2- August of Year 3
- Phase 3: September of Year 3- May of Year 4

Phase 1

Phase 1 will be a 13-month, integrated, curriculum that will provide a firm foundation: preparing students for their clinical practice with a blend of basic science content and clinical application. Students will begin Phase 1 with an initial immersion course to introduce them to the philosophy of the medical school, the importance of being a lifelong scholar, and the specific curricular structure of the SOM curriculum. There will also be a Foundations course to solidify core basic science principles. They will then transition into four primary Phase 1 courses. These courses will be integrated with both basic and clinical science to build a foundation of knowledge, with immediate application using multiple modalities each week including patient panels, small group discussions, problem-based learning, etc.

Within the four primary Phase 1 courses, there will be an organized weekly schedule that allows the learner to obtain new knowledge and then immediately have a chance for application. This weekly schedule occurs in three phases. On the first day of each week, there will be an interactive session to "frame" the materials to be covered. This may include patient panels, videos, guest speakers, and case presentations. The students will then have time during the next 2-3 days for asynchronous knowledge acquisition using self-directed learning techniques. This will be accomplished with pre-set modules that will include written content from textbooks, journal articles, etc. as well as review questions to self-assess understanding of the materials. The students will then have one to two days at the end of

the week to work together with course leaders, other facilitators, and their fellow classmates in Clinical Application Sessions (CAS) that will use small group sessions, problem based learning, simulation, etc. to clarify and then apply the knowledge gained during the week. The students will also spend time in these sessions teaching each other under the supervision of the faculty and will analyze and report on the quality and content of the material that they reviewed during self-study.

The students will also have early patient exposure in the Introduction to Longitudinal Patient Care Course. This course has a focus on communication, patient-centered care, and understanding the broad concepts of health care delivery. The students will have an immediate assignment of a few selected patients that they will continue to follow throughout the four years of their curriculum. This will allow each learner the opportunity to demonstrate their emerging clinical skills and medical knowledge throughout medical school and to develop rich physician-patient relationships.

In addition to the four primary courses and the clinical experience, students will be participating in the Clinical Skills course weekly during Phase 1. Students will learn and practice obtaining a history and physical, performing the clinical exam, basic procedures, and communication skills. This course will be continuous throughout the twelve months and will be based on an integrated model aligned with the weekly content that is being presented in a given core Phase 1 course. Various instructional methods and adjuncts will be used including standardized patients, procedural task trainers, high-fidelity mannequins, and other modes of simulated patient care.

Phase 2

Phase 2 will begin in the second year and will continue for twelve months. This phase is based on a longitudinal integrated clerkship framework. Students will have a schedule that promotes continuity of care and exposure to the health system in the community, while including experience with multiple specialties. The longitudinal aspect will be accomplished by each student following a panel of patients and attending various clinics in which they practice on a regular basis. This will provide continuity both with patients and with preceptors, while providing exposure to the fundamental aspects of clinical practice and experience with transitions of care. Students will also complete inpatient immersion experiences at various intervals, work a weekly emergency medicine shift, as well as a weekend of inpatient call per month to expose them to inpatient medicine and the acute conditions that their patients will face.

During Phase 2, students will continue to have weekly structured sessions called LeAPs (LEarning Application and Pondering sessions) to provide standardized instruction and allow time to ask questions of faculty facilitators. The content will be a blend of both clinical information pertaining to various patient presentations across specialties, as well as the basic science and pathophysiologic concepts pertinent to each discussion. Learners will be encouraged to use an evidence-based approach to clinical cases. There will be time for the learners to participate in peer-to-peer education as they share the experiences that they have had in their various clinical settings with the group. The format of these sessions will include problem-based learning, small group discussion, simulation, etc., to meet predetermined objectives.

Students will continue to learn and expand their clinical history and physical exam, procedural, and communication skills in a structured and deliberate fashion in the Clinical Skills Course during Phase 2.

Phase 3

Phase 3 begins in the third year of medical school and continues until graduation. This phase will function to both continue the professional development of the student, as well as prepare them for residency. The first portion of this phase will include time to study for and take USMLE Step 1. After completion of this exam, students will begin the "Explore and Develop" portion of Phase 3. During this five-month period, there will be an intense focus on the professional development of the students, with the goal of producing a thoughtful, well-rounded physician. The LeAPs will continue, with a thematic focus on the 10 content areas of the Preparation for Practice Course. These themes will be covered using multiple modalities including case-based learning, simulation, discussions led by content experts, etc. Students will work with their Physician Development Coach (PDC) to identify a specific area of interest chosen from content covered in the Preparation for Practice Course. Students will then be placed in a track to enhance their knowledge on this area of interest. Each track group will complete a project in line with their interest.

During "Explore and Develop," students will complete a course entitled Longitudinal Patient Care in which they can continue to attend one longitudinal clinic per week and follow a small sub-set of their patient panel. This will allow for a continued connection to their patients and their preceptor. It also keeps them involved in clinical practice while they are exploring and developing the non-clinical aspects of their profession. The next portion of phase 3 will be the "Focus" section that will include a required Sub-Internship rotation, a critical care selective and elective time to allow students to gain valuable clinical experience and prepare for the Match process. Students will also be given time to prepare for and take USMLE Step 2 CK and CS.

Finally, the students will enter the "Prepare" portion of Phase 3. Students will participate in a five-week course entitled Residency Boot Camp that begins just prior to the Match and is designed to prepare students for the next stage of their career-internship year. The curriculum will include focused attention on advanced clinical procedures, communication skills, leadership, team management and other skills that will give the students a smooth start to residency. Just prior to graduation, learners will complete a course entitled "Final Reflections-Art in Medicine". The objective will be to allow a time of team reflection for the students and a final emphasis on communication, empathy, and the value of compassionate patient care. During the "Prepare" phase, the students will also have the opportunity to present their Scholarly Pursuit and Thesis project.

Longitudinal Courses

Unifying the entire curriculum will be two longitudinal courses-Scholarly Pursuit and Thesis and Preparation for Practice. These courses are continuous throughout the entire four years of medical school.

The Scholarly Pursuit and Thesis course has a structured curriculum that will focus on academic inquiry and will incorporate the skills necessary to become a lifelong learner, practice evidence-based medicine, critically appraise the literature, and approach scientific inquiry with an ethical approach. In addition, each student will have their own scholarly project to actively apply and demonstrate the skills learned throughout this course.

The Preparation for Practice course will cover a variety of topics to instill in the learners the concepts essential to being a professional well-rounded provider in the modern health care system. The curriculum will include a focus on such topics as the health of the community, health care policy, vulnerable populations, bioinformatics, ethics, aging, and health care disparities. The specific schedule will be planned in a coordinated way to integrate with the specific phase of the curriculum to allow for reinforcement and application, with the most extensive focus being in Phase 3.

Complete Tables 4, 5, and 6 to list the required/core courses, prescribed elective courses, and elective courses of the program and semester credit hours (SCH). Note with an asterisk (*) courses that would be added if the proposed program is approved. Modify the tables as needed. If applicable, replicate the tables for different tracks/options.

Table 4. Required/Core Courses		
Prefix and Number	Required/Core Course Title	Number of Weeks
MEDS 8XXX3	Medical School and Clinical Immersion	3
MEDS 8XXX7	Foundations	7
MEDS 8XXX7	Behavior, Hematology, Immunology and Skin	7
MEDS 8XXX6	Homeostasis	11
MEDS 8XXX9	Neuromusculoskeletal	9
MEDS 8XX11	Metabolism and Life Cycle	11
MEDS 8XX23	Intro to Longitudinal Patient Care	23-25
MEDS 8XX23	Clinical Skills	23-25
MEDS 8XX23	Scholarly Pursuit and Thesis	23-25
MEDS 8XX23	Preparation for Practice	23-25
MEDS 8XXX4	Explore and Discover	4
MEDS 8XXX2	Transition to Longitudinal Integrated Clerkship	2
SURG 8XX43	Surgery Immersion	3
MED 8XX43	Internal Medicine Immersion	3
OBGN 8XX42	Obstetrics/Gynecology Immersion	2
PEDS 8XX41	Pediatric Immersion	1
EMER	Emergency Medicine	40
SURG	Surgery	43
PSYC	Psychiatry	40
PEDS	Pediatrics	41
OBGN	Obstetrics/Gynecology	43
IMED	Internal Medicine	40
NEUR	Neurology	40
FMLY	Family Medicine	40
MEDS 8XXX5	Residency Boot Camp	5

MEDS 8XXX3	Final Reflections: The Art of Medicine	3	l
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Table 5. Prescribed Elective Courses		
Prefix and Number	Prescribed Elective Course Title	Number of Weeks
TBD	Critical Care	4
TBD	Sub-Internship	4

Table 6. Elective	e Courses	
Prefix and Number	Elective Course Title	Number of Weeks
TBD	Allergy and Immunology	4
TBD	Anesthesiology	4
TBD	Business and Medicine	4
TBD	Dermatology	4
TBD	Emergency Medicine	4
TBD	Endocrinology	4
TBD	Family Medicine	4
TBD	Gastroenterology	4
TBD	Genetics	4
TBD	Geriatric Medicine	4
TBD	Gynecology Oncology	4
TBD	Internal Medicine – Ambulatory	4
TBD	Internal Medicine – Inpatient	4
TBD	Internal Medicine – Subspecialty	4
TBD	Law and Medicine	4
TBD	Neurology	4
TBD	Neurosurgery	4
TBD	Obstetrics and Gynecology	4
TBD	Oncology	4

TBD	Ophthalmology	4
TBD	Orthopedics	4
TBD	Pain Management	4
TBD	Pathology	4
TBD	Pediatrics – Ambulatory	4
TBD	Pediatrics – Inpatient	4
TBD	Pediatrics – Surgical	4
TBD	Psychiatry - Outpatient	4
TBD	Psychiatry – Inpatient	4
TBD	Quality Improvement and Patient Safety	4
TBD	Radiology	4
TBD	Rheumatology	4
TBD	Sports Medicine	4
TBD	Surgery – General	4
TBD	Surgery – Subspecialty	4
TBD	Surgery – Trauma	4
TBD	Urology	4

E. Candidacy/Dissertation

If the proposed program requires a dissertation, describe the process leading to candidacy and completion of the dissertation. Describe policies related to dissertation hours, such as a requirement to enroll in a certain number of dissertation hours each semester. Indicate if a master's degree or other certification is awarded to students who leave the program after completing the coursework, but before the dissertation defense.

A dissertation is not required by the program. However, students will participate in a Scholarly Pursuit and Thesis course which has a structured curriculum that will focus on academic inquiry and will incorporate the skills necessary to become a lifelong learner, practice evidence-based medicine, critically appraise the literature, and approach scientific inquiry with an ethical approach. Each student will have their own scholarly project to actively apply and demonstrate the skills learned throughout this course and will result in a thesis.

F. Use of Distance Technologies

If applicable, describe the use of any distance technologies in the program, including a description of interactions between students and faculty, opportunities for students to access educational resources related to the program, exchanges with the academic community, and in-depth mentoring and evaluation of students. If more than 50 percent of the program content will be delivered off-campus, the institution must also submit a

completed "Distance Education Doctoral Degree Proposal" form: <u>Distance Education Degree</u> <u>Doctoral Form.</u>

Distance technology is not applicable in the program.

G. Program Evaluation

Describe how the program will be evaluated. Describe any reviews that would be required by an accreditor, and show how the program would be evaluated under <u>Board Rule 5.52</u>.

In accordance with the requirements of the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), the TCU and UNTHSC School of Medicine will have a process to review the quality and effectiveness of the medical degree program and for continuous improvement. Furthermore, the accreditation body for medical schools, Liaison Committee on Medical Education (LCME), requires an extensive evaluation process.

The new doctoral program in medicine will be evaluated by assessing the achievement of program objectives, monitoring the quality of experiences and implementing plans for program improvement.

Achievement of program objectives by students at the TCU and UNTHSC School of Medicine will be monitored in several ways. Students' knowledge of fundamentals will be assessed during the pre-clinical years via internal written examinations, supplemented in some courses by laboratory examinations and faculty evaluations of small group performance, and by administering Objective Structured Clinical Exams (OSCEs) in both the basic science and clinical years. Standardized end-of-rotation comprehensive National Board of Medical Examiners (NBME) subject shelf examinations will also be administered during the clinical years to assess students' knowledge of fundamentals, supplemented by internal written and oral examinations, and faculty and resident evaluations. Mastery of curriculum content will also be addressed by the requirement that all graduates of the TCU and UNTHSC School of Medicine pass Steps 1 and 2 of the United States Medical Licensing Exam (USMLE).

Students' opinions about the quality of their educational experience in the pre-clinical years, including their assessment of the clarity of learning objectives, the relationship between published learning objectives and course/examination content, and the value of their pre-clinical courses in preparing them for their clinical rotations are obtained via the AAMC Medical Student Graduation Questionnaire given to each graduate. The quality of their clinical experiences is also addressed in the same survey via an extensive list of very detailed, specific questions.

Student performances on internal and standardized NBME shelf examinations are monitored on an ongoing basis by course directors and various subcommittees of a curriculum oversight committee. Student feedback following tests and student feedback from course evaluations is carefully reviewed by course directors and, where indicated, modifications will be made to the examination and/or course structure and content.

The data reflecting the 18 Characteristics for each of the University of North Texas Health Science Center doctoral programs may be found at the following link:

Biomedical Sciences - https://www.unthsc.edu/graduate-school-of-biomedical-sciences/characteristics-of-texas-public-doctoral-programs/

Public Health Sciences - https://www.unthsc.edu/school-of-public-health/wp-content/uploads/sites/8/SPH-Acad-Year-2015-2016-Public-Doctoral-Characteristics.pdf

Medicine, Pharmacy, and Physical Therapy – Professional programs were added to the Characteristics reporting in 2017, with reporting to begin in September 2018.

H. Strategic Plan

Describe how the proposed doctoral program fits into the institution's overall strategic plan, and provide the web link to the institution's strategic plan.

Describe how the proposed program will align with the state's 60x30TX plan, specifically identify the marketable skills the students will attain through the proposed program. Explain how students will be informed of the marketable skills included in the proposed program.

Explain how the proposed program builds on and expands the institution's existing recognized strengths.

The strategic plan for the TCU and UNTHSC School of Medicine aligns with that of the HSC and of TCU. The TCU and UNTHSC Medical School's mission is to transform health care by inspiring empathetic scholars. The vision is to be a leader in medical education, delivery of care and scholarship by focusing intentionally on the constellation of:

- Character: integrity, empathy, humanism, professionalism;
- Content: medical knowledge, technology, innovation, integration;
- Context: patient-centered models, cultural sensitivity, health care systems, finance, ambulatory settings, patient safety, chronic disease prevention and management;
- Creativity: innovation, inquisitive scholars;
- Collaboration: team-based care, patient and family partnerships, shared decisionmaking;
- Community: servant leadership, public education, partnership, leadership, diversity and inclusion.

UNT Health Science Center is one of the nation's premier graduate academic medical centers, with five schools/colleges that specialize in preparing graduates for careers in health care, research, and public health. The schools/colleges are the Texas College of Osteopathic Medicine, the Graduate School of Biomedical Sciences, the School of Public Health, the School of Health Professions, and the UNT System College of Pharmacy. The UNTHSC purpose is to transform lives in order to improve the lives of others. The UNTHSC vision is "one university, built on values, defining and producing providers of the future". The UNTHSC mission is to create solutions for a healthier community. The UNTHSC strategic plan is found at: https://www.unthsc.edu/about-us/vision/.The UNTHSC 2020 Strategic Plan includes becoming nationally recognized in interprofessional education and team-based patient-centered training. UNTHSC believes that team care is the future of health care in the United States, optimizing patient outcomes, controlling costs, and reducing medical errors. UNTHSC interprofessional programs address cooperation across the care spectrum, from wellness and nutrition programs to chronic-disease treatment and management. On-site ambulatory care clinics are currently developing interprofessional practice models for patient care and student and resident education. An example of an interprofessional practice model is our Pediatric Mobile Clinic which delivers care to children in underserved Fort Worth neighborhoods. The new medical education program will have an emphasis on interprofessional education across the four-year curriculum.

The UNTHSC strategic plan includes providing an exceptional educational experience for our students. Areas of focus include using employer feedback to assist in defining and preparing graduates for an unknown future, preparing graduates in leadership, communication and teamwork, and providing diverse and high quality clinical/experiential

experiences. An example is The SAGE (Seniors Assisting in Geriatric Education) program where older adults serve as mentors to interprofessional groups of students. The new medical education program will gather student feedback across all four years of the program and incorporate student feedback in the continuous quality improvement process in order to ensure student satisfaction.

The TCU Strategic Plan includes the following four pillars: 1) Strengthen Academic Profile and Reputation, 2) Strengthen Endowment, 3) Strengthen TCU Experience and Campus Culture and 4. Strengthen Workforce. The TCU and UNTHSC School of Medicine particularly aligns with the academic profile of TCU. The TCU Strategic Plan may be found at: https://strategicplan.tcu.edu/strategic-plan/.

The 2017 Managing the Expansion of Graduate Education in Texas report completed by the RAND Corporation and commissioned by the THECB notes for the State of Texas to meet its goals of the 60x30TX plan, graduate education expansion needs to be directed toward the fields that need advanced skills the most. The creation of the new MD school aligns with this directive.

The faculty of a medical school will ensure that the medical curriculum provides content of sufficient breadth and depth to prepare medical students for entry into any residency program and for the subsequent contemporary practice of medicine. The marketable skills (i.e., interpersonal, cognitive, and applied skill areas) as outlined in the 60x30TX plan aligns with the medical curriculum as follows:

- Biomedical, Behavioral, Social Sciences Content from the biomedical, behavioral, and socioeconomic sciences to support medical students' mastery of contemporary scientific knowledge and concepts and the methods fundamental to applying them to the health of individuals and populations.
- Organ Systems/Life Cycle/Primary Care/Prevention/Wellness/Symptoms/Signs/ Differential Diagnosis/Treatment Planning/Impact of Behavioral and Social Factors -Content and clinical experiences related to each organ system; each phase of the human life cycle; continuity of care; and preventive, acute, chronic, rehabilitative, end-of-life, and primary care in order to prepare students to:
 - Recognize wellness, determinants of health, and opportunities for health promotion and disease prevention
 - Recognize and interpret symptoms and signs of disease
 - Develop differential diagnoses and treatment plans
 - Recognize the potential health-related impact on patients of behavioral and socioeconomic factors
 - Assist patients in addressing health-related issues involving all organ systems
- Scientific Method/Clinical/Translational Research Instruction in the scientific
 method (including hands-on or simulated exercises in which medical students collect
 or use data to test and/or verify hypotheses or address questions about biomedical
 phenomena) and in the basic scientific and ethical principles of clinical and
 translational research (including the ways in which such research is conducted,
 evaluated, explained to patients, and applied to patient care).
- Critical Judgment/Problem-Solving Skills Critical judgment based on evidence and experience, and develops medical students' ability to use those principles and skills effectively in solving problems of health and disease.
- Societal Problems Instruction in the diagnosis, prevention, appropriate reporting, and treatment of the medical consequences of common societal problems.
- Cultural Competence and Health Care Disparities Opportunities for medical students to learn to recognize and appropriately address gender and cultural biases

in themselves, in others, and in the health care delivery process. The medical curriculum includes instruction regarding the following:

- The manner in which people of diverse cultures and belief systems perceive health and illness and respond to various symptoms, diseases, and treatments
- The basic principles of culturally competent health care
- The recognition and development of solutions for health care disparities
- The importance of meeting the health care needs of medically underserved populations
- The development of core professional attributes (e.g., altruism, accountability) needed to provide effective care in a multidimensional and diverse society
- Medical Ethics Instructs medical students in medical ethics and human values both prior to and during their participation in patient care activities and requires its medical students to behave ethically in caring for patients and in relating to patients' families and others involved in patient care.
- Communication Skills Specific instruction in communication skills as they relate to communication with patients and their families, colleagues, and other health professionals.
- Interprofessional Collaborative Skills Medical education program prepares medical students to function collaboratively on health care teams that include health professionals from other disciplines as they provide coordinated services to patients. These curricular experiences include practitioners and/or students from the other health professions.

I. Related and Supporting Programs

Complete Table 7 with a list of all existing programs that would support the proposed program. This includes all programs in the same two-digit CIP code, and any other programs (graduate and undergraduate) that may be relevant. Include data for the applications, admissions, enrollments, and number of graduates for each of the last five years. Modify the table as needed. The example provided in Table 7 shows degree programs that would relate to or support an additional Ph.D. in another area of chemistry, for example a proposal for a PhD in Forensic Chemistry (40.0510).

Related programs of the UNTHSC include the Texas College of Osteopathic Medicine and the Department of Physician Assistant Studies. Both programs train health care providers in medicine with an emphasis in primary care and serving in rural and underserved areas. Additional programs in this CIP code include public health, biomedical sciences, physical therapy, and pharmacy as noted in the table below.

Table 7. Related and Supporting Programs						
	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	
DO – Doctor of Osteopathic Medicine (51.1901)						
Applications	2647	2730	3006	3276	3718	
(offers) Admissions	520	465	454	444	476	
New Enrollments	230	230	228	230	232	
6 Year Graduation Rates	92%	93%	97%	95%	98%	
MPA – Master of Physician Assistant Studies (51.0912)						

Applications	1094	1255	1552	1898	2047			
(offers) Admissions	120	127	104	129	114			
New Enrollments	75	75	75	74	72			
6 Year Graduation Rate	97%	93%	98%	96%	93%			
MPH – Master of Public Health (51.2201)								
Applications	421	454	485	474	450			
(offers) Admissions	367	388	391	328	264			
New Enrollments	138	150	157	125	85			
6 Year Graduation Rate	68%	78%	78%	73%	76%			
DrPH – Doctor of Public I	Health (51.	2201)						
Applications	14	16	14	18	N/A			
(offers) Admissions	6	8	6	0	N/A			
New Enrollments	5	5	3	N/A	N/A			
7 Year Graduation Rate	59%	50%	42%	57%	56%			
PhD – Doctor of Philosop	hy in Public	Health (51	L. 2201)					
Applications	56	58	78	90	90			
(offers) Admissions	5	12	14	20	2			
New Enrollments	3	6	6	9	2			
6 Year Graduation Rate	N/A	N/A	N/A	N/A	N/A			
MHA – Master of Health	Administrat	tion (51.07	01)					
Applications	54	46	81	97	83			
(offers) Admissions	48	32	54	46	55			
New Enrollments	17	14	27	23	24			
6 Year Graduation Rate	N/A	100%	91%	78%	67%			
DPT – Doctor of Physical	Therapy (5	1.2308)						
Applications	545	599	852	907	1794			
(offers) Admissions	61	58	63	54	82			
New Enrollments	42	42	42	46	46			
6 Year Graduation Rate	N/A	N/A	N/A	100%	95%			
MS – Master of Science in	n Biomedic	al Sciences	(26.0102)					
Applications	593	676	686	780	760			
(offers) Admissions	296	318	290	333	289			

		ı	1	ı	1		
New Enrollments	239	213	232	223	220		
6 Year Graduation Rate	83%	79%	94%	84%	87%		
PhD – Doctor of Philosophy in Biomedical Sciences (26.0102)							
Applications	88	94	58	62	65		
(offers) Admissions	31	32	26	27	21		
New Enrollments	20	34	20	17	18		
6 Year Graduation Rate	62%	67%	70%	63%	84%		
PharmD – Doctor of Phar	macy (51.2	2001)					
Applications	N/A	342	868	759	582		
(offers) Admissions	N/A	126	304	382	278		
New Enrollments	N/A	82	80	110	100		
6 Year Graduation Rate	N/A	N/A	N/A	N/A	N/A		

J. Existing Doctoral Programs

Provide the web link(s) for the *Characteristics of Doctoral Programs* for each of the institution's existing doctoral programs. Describe how existing closely related doctoral programs would enhance and complement the proposed program.

The data reflecting the 18 Characteristics for each of the University of North Texas Health Science Center doctoral programs may be found at the following link:

Biomedical Sciences - https://www.unthsc.edu/graduate-school-of-biomedical-sciences/characteristics-of-texas-public-doctoral-programs/

Public Health Sciences - https://www.unthsc.edu/school-of-public-health/wp-content/uploads/sites/8/SPH-Acad-Year-2015-2016-Public-Doctoral-Characteristics.pdf

Osteopathic Medicine, Pharmacy, and Physical Therapy – Professional programs were added to the Characteristics reporting in 2017, with reporting to begin in September 2018.

The existing doctoral programs will complement and enhance the proposed doctoral program in medicine. The institution has already achieved excellence in other health professions training areas such as osteopathic medicine (recognized for preparing graduates in primary care), biomedical sciences, public health, physician assistant studies, physical therapy, and pharmacy. These existing health professions programs will enable a medical school to access team-based, inter-professional environments in which physician education can take place, and which can contribute to the delivery of superior health care. Faculty from these programs will significantly enrich the educational experience of doctoral students in medicine, and medical faculty in turn can contribute to teaching of other health professions. For example, a doctoral program in medicine will expand access by health professions students to new clinical training sites, different patient populations, and a larger range of patient care problems. Moreover, synergies among the research skills and intellectual traditions of these health professional fields can open opportunities to access external funding for innovative, large-scale research into health services delivery and community health.

K. Recent Graduates Employment

For existing graduate programs (master's and doctoral) within the same two-digit CIP code in the most recent year, show the number and percentage of graduates employed within one year of graduation, and list graduates' field of employment, location, and the employer.

Of the 221 graduates in the Doctor of Osteopathic Medicine program at UNTHSC, one hundred percent (100%) were employed in their field within one year of graduation. Of the 69 graduates in the Physician Assistant Studies program at UNTHSC, one hundred percent (100%) were employed within their field within one year of graduation. List of employer, location, and field of employment for each program is provided below.

State/Employer/Specialty	# of Primary Care	# Non-Primary Care	Sum
AL			
U South Alabama Hospitals			
Internal Medicine	2		2
AL Total	2		2
AR			
U Arkansas-Little Rock			
Pediatrics	3		3
University of Arkansas			
Ophthalmology		1	1
AR Total	3	1	4
AZ			
Phoenix Children's Hospital-AZ			
Pediatrics	1		1
U Arizona COM at Tucson			
Emergency Medicine		1	1
Surgery-Preliminary		1	1
AZ Total	1	2	3
CA			
David Grant Medical Center / Travis AFB CA			
Family Medicine	1		1
Surgery - General		1	1
Loma Linda University-CA			
Neurology		1	1
Obstetrics-Gynecology	1		1
Naval Hospital Camp Pendleton			
Family Medicine	1		1
UC San Francisco-Fresno-CA			
Pediatrics	1		1
West/West Anaheim Medical Center			
Internal Medicine	1		1
CA Total	5	2	7

Peak Vista Community Health Centers			
Family Medicine	1		1
St Joseph Hospital SCL Health-CO			
Family Medicine	1		1
CO Total	2		2
FL			
CEME/Ocala Regional Medical Center			
Family Medicine and OMT	1		1
Jackson Memorial Hosp-FL			
Internal Medicine	1		1
Larkin Community Hospital			
Family Medicine	1		1
Physical Medicine & Rehabilitation		1	1
Psychiatry		1	1
LECOMT/St Petersburg General Hospital			
Family Medicine	2		2
U Central Florida COM-Orlando			
Internal Medicine	1		1
U Florida COM-Jacksonville			
Emergency Medicine		1	1
FL Total	6	3	9
GA			
Emory Univ SOM-GA			
Pediatrics	1		1
Floyd Medical Center			
Family Medicine	1		1
GA Total	2		2
HI			
Tripler Army Medical Center			
Internal Medicine	1		1
HI Total	1		1
IA			
Trinity Bettendorf			
Family Medicine	1		1
IA Total	1		1
IL			
Advocate Christ Med Ctr-IL			
Pediatrics	1		1
U IL-St Francis Med Ctr	-		
Emergency Medicine		2	2
IL Total	1	2	3
IN	_		
Community Hospitals-IN			
Family Medicine	1		1

IN Total	1		1
LA			
LSU SOM-New Orleans-LA			
Pediatrics	1		1
LSUHSC-Shreveport-LA			
Emergency Medicine		1	1
Ochsner Clinic Foundation-LA			
Internal Medicine	1		1
Tulane Univ SOM-LA			
Pediatrics	1		1
LA Total	3	1	4
MA			
B I Deaconess Med Ctr-MA			
Anesthesiology		1	1
Harvard Spaulding Rehab Hosp-MA			
Phys Medicine & Rehab		1	1
MA Total		2	2
MI			
Detroit Metro Urological Surgery Consortium			
Urological Surgery		1	1
Detroit Wayne County Health Authority GME			
Pediatrics	1		1
DMC Osteopathic Division			
Urological Surgery - DMC		1	1
Henry Ford Wyandotte Hospital			
Emergency Medicine		1	1
McLaren General Surgery Consortium			
General Surgery		1	1
Promedica Monroe Regional Hospital			
Emergency Medicine		1	1
St John Providence Health System			
Pediatrics	1		1
MI Total	2	5	7
MN			
Hennepin Co Med Ctr-MN			
Emergency Medicine		1	1
U Minnesota Med School			
Family Medicine	1		1
MN Total	1	1	2
MO			
Children's Mercy Hospital-MO			
Pediatrics	2		2
MO Total	2		2

Keesler Medical Center / Keesler AFB MS			
Surgery - General		1	1
University Hosps-Jackson-MS			
Anesthesiology		1	1
General Surgery		1	1
Internal Medicine	1		1
MS Total	1	3	4
NC			
Wake Forest Baptist Med Ctr-NC			
Internal Medicine	1		1
NC Total	1		1
NE			
University of Nebraska Med Ctr			
Emergency Medicine		1	1
NE Total		1	1
NJ			
Jersey Shore Univ Med Ctr-NJ			
Obstetrics-Gynecology	1		1
Kennedy University Hospital/Our Lady of Lourdes			
Family Medicine	1		1
Overlook Hospital-NJ			
Family Medicine	1		1
Rutgers-New Jersey Medical School			
Phys Medicine & Rehab		1	1
NJ Total	3	1	4
NV			
Valley Hospital Medical Center			
Orthopedic Surgery		1	1
NV Total		1	1
NY			
Albany Medical Center-NY			\dashv
Pediatrics	1		1
Coney Island Hospital			
Pediatrics	1		1
Good Samaritan Hospital & Medical Center			
Pediatrics	1		1
Nassau University Medical Center			
Traditional Rotating Internship		1	1
NY Methodist Hospital			
Internal Medicine	2		2
Orange Regional Medical Center			
Psychiatry		1	1
SUNY HSC Brooklyn-NY			
Anesthesiology		1	1

Wyckoff Heights Medical Center			
Pediatrics	1		1
NY Total	6	3	9
OH			
Case Western/MetroHealth Med Ctr-OH			
Internal Medicine	1		1
O'Bleness Memorial Hospital			
Family Medicine	1		1
UH Parma Medical Center			
Internal Medicine	1		1
OH Total	3		3
OK			
McAlester Regional Health Center			
Family Medicine	1		1
U Oklahoma COM-OK City			
Family Medicine	1		1
Pediatrics	4		4
U Oklahoma COM-Tulsa			
Family Medicine	1		1
Internal Medicine	2		2
Pediatrics	1		1
Psychiatry		1	1
OK Total	10	1	11
OR			
Good Samaritan Regional Medical Center			
Family Medicine and OMT	1		1
Traditional Rotating Internship - Medicine		1	1
OR Total	1	1	2
PA			
Geisinger Health System			
Anesthesiology		1	1
Internal Medicine	1		1
LECOMT/Memorial Hospital			
Emergency Medicine		1	1
Lehigh Valley Health Network			
Emergency Medicine		1	1
Reading Hospital and Medical Center			
Family Medicine	1		1
The Wright Center Family Medicine Residency			
Family Medicine	1		1
Williamsport Family Medicine Residency			
Family Medicine	1		1
,			
Wright Center National Family Medicine			

PA Total	6	3	9
RI			
Kent Hospital			
Internal Medicine	2		2
RI Total	2		2
SC			
Greenville Health Sys/Univ of So Carolina			
Internal Medicine	1		1
Medical University of SC			
Medicine-Pediatrics	1		1
Palmetto Health Richland-SC			
Internal Medicine	1		1
Pediatrics	1		1
SC Total	4		4
TN			
U Tennessee COM-Memphis			
Child Neurology		1	1
Emergency Medicine		1	1
Pediatrics	2		2
UT St Thomas Hospitals-TN			
Obstetrics-Gynecology	1		1
TN Total	3	2	5
TX			
Baylor Coll Med-Houston-TX			
Emergency Medicine		1	1
Pediatrics	2		2
Baylor Med Ctr-Garland-TX			
Family Medicine	1		1
Baylor Univ Med Ctr-Dallas-TX			
Internal Medicine	1		1
Charlton Methodist Hospital			
Family Medicine	1		1
Christus Spohn Mem Hosp-TX			
Emergency Medicine		4	4
Family Medicine	3		3
Conroe Medical Education Foundation			
Family Medicine	1		1
Conroe Reg Med Ctr-TX			
Family Medicine	3		3
Driscoll Childrens Hosp-TX			
Pediatrics	1		1
John Peter Smith Hosp-TX			
Family Medicine	2		2
Obstetrics-Gynecology	1		1

Psychiatry		2	
McLennan County Fam Med-TX			
Family Medicine	4		
Memorial Hermann Hosp-TX			
Family Medicine	1		
Methodist Health System Dallas-TX			
Family Medicine	1		
Internal Medicine	1		
Methodist Hospital-Houston-TX			
Internal Medicine	1		
OMECO/St Anthony Hospital			
Traditional Rotating Internship		1	
Texas A&M-Bryan			
Family Medicine	1		
Texas A&M-Scott & White			
Family Medicine	2		
Internal Medicine	2		
Pediatrics	3		
Psychiatry		2	
Texas Tech U Affil-Amarillo			
Family Medicine	1		
Obstetrics-Gynecology	1		
Texas Tech U Affil-El Paso			
Emergency Medicine		1	
Surgery-Preliminary		1	
Texas Tech U Affil-Lubbock			
Family Medicine	1		
Obstetrics-Gynecology	1		
Pediatrics	1		
Texas Tech U Affil-Permian Basin			
Obstetrics-Gynecology	1		
Texoma Medical Center			
Family Medicine	1		
U Texas at Austin Dell Medical School	_		
Family Medicine	3		
Internal Medicine	2		
Neurology		1	
Pediatrics	1		
U Texas HSC-San Antonio			
Family Medicine	1		
General Surgery		2	
Internal Medicine	7		
Pediatrics	4		

Surgery-Preliminary		1	1
U Texas Med Branch-Galveston			
Internal Medicine	3		3
Pediatrics	3		3
Psychiatry		1	1
U Texas Med Sch-Houston			
Anesthesiology		2	2
Internal Medicine	1		1
Pathology		1	1
Pediatrics	4		4
Surgery-Preliminary		1	1
U Texas Rio Grande Valley			
Internal Medicine	1		1
Obstetrics-Gynecology	2		2
U Texas Southwestern Med Sch-Dallas			
Emergency Medicine		1	1
Neurology		2	2
Phys Medicine & Rehab		2	2
Psychiatry		1	1
University of North Texas HSC			
Integrated Family Medicine/NMM	2		2
Weatherford Regional Medical Center			
Internal Medicine	1		1
Traditional Rotating Internship		3	3
TX Total	74	31	105
UT			
U Utah Affil Hospitals			
Phys Medicine & Rehab		1	1
Utah Valley Reg Med Ctr			
Family Medicine	1		1
UT Total	1	1	2
VA			
Shenandoah Valley			
Family Medicine	1		1
University of Virginia			
Anesthesiology		1	1
Virginia Commonwealth U Hlth Sys			
Phys Medicine & Rehab		1	1
VA Total	1	2	3
WA			
Providence Sacred Heart Med Ctr-WA			
Family Medicine	1		1
U Washington Affil Hosps			

DO – Doctor of Osteopathic Medicine (51.1901) 2016 Graduates Employment by State, Employer, and Specialty				
WA Total 1 1 2				
WY				
Univ of Wyoming-Casper				
Family Medicine 1 1				
WY Total	1		1	
Grand Total	151	70	221	

MPA – Master of Physician Assistant Studies 2016 Physician Assistant Graduates by State	•
State/Employer	Count
AK	
Apex Neurosurgery	1
CA	
MD Care & Associates	1
NCHS San Marcos Health Center	1
FL	
Coastal Vascular & Interventional PLLC	1
Health First Cape Canaveral Hospital	1
LA	
Ochsner Medical Center	1
MI	
Spectrum Health	1
NM	
Eastern New Mexico Medical Center	1
TN	
Christ Community Health Services, Memphis	1
TX	
Adam Kaplan, MD	1
Alpesh Desai, Heights Dermatology	1
Barry Fenton, MD	1
Baylor Scott & White	1
Baylor Scott and White	1
Baylor Scott and White Health	1
Best Care Family Medicine	1
Billy Ray Ledbetter, MD	1
Breast Reconstruction Associates	1
Brian Reece, MD	1
BSW Dallas	1
Cardiology Consultants of Texas	1
Care Associates	1
Care Associates/Catherine Neal, MD	1
Childrens Medical Center	1

MPA – Master of Physician Assistant Studies (51.0912) 2016 Physician Assistant Graduates by State/Employer

2016 Physician Assistant Graduates by State/	Employer
State/Employer	Count
Christian Sanchez, MD	1
Craig Smith, DO	1
Dallas Children's Medical Center	1
Daniel Wagner, DO	1
Diabetes and Thyroid Center of Fort Worth	1
Dr Andrew Burke, Family Medical Clinic	1
Eric Wroten, MD	1
Facial plastic surgery associates	1
Gerardo Zavala, MD	1
Glen Rose Healthcare	1
Health First	1
Health TX Medical Group	1
Huy Nguyen, MD	1
Internal Medicine Associates, Plano	1
Interventional Nephrology Associates	1
Jeffrey Shilt, MD	1
Jeffrey Thompson, MD	1
John Hoffman, MD	1
Kirk Smith, MD	1
Las Colinas OBGYN Group	1
MD Anderson	1
North Texas Family Practice	1
Orthopedic Associates of Dallas	1
OrthoTexas	1
Paula Vogel, MD	1
Private Practice	1
Radiology Associates of North Texas	1
Rajinder Swiwach, MD	1
Robert Simonson, DO	1
Rodney Burrow, MD	1
Rohan Wagle, MD	1
Sarah Lay, MD	1
Stacy Lessman, MD	1
T Off Men's Health	1
Terry Roach, DO	1
Texas Behavioral Health	1
Texas Health Physician Group	1
Texas Health Physicians Group	1
Umad Ahmad, MD	1
United Dermatology Associates	1
Voss Family Clinic/Khan Medical Clinic	1
West Texas Family Medical	1

MPA - Master of Physician Assistant Studies (51.0912) 2016 Physician Assistant Graduates by State/Employer			
State/Employer	Count		
Zamora Medical Center Austin	1		
WA			
Teamhealth at Kadlec Regional Medical Center	1		
WI			
Froedtert and The Medical College of Wisconsin	1		
Grand Total	69		

III. Faculty

A. Faculty Availability

Complete Table 8 to provide information about core. Core Faculty are full-time tenured and tenure-track faculty who would teach 50 percent or more in the proposed program or other individuals integral to the proposed program and who could direct dissertation research. There should be at least four full-time equivalent (FTE) faculty for a new doctoral program. Add an asterisk (*) before the names of the individuals who would have direct administrative responsibilities for the proposed program. Add a pound symbol (#) before the name of any individuals who have directed doctoral dissertations or master's theses. Modify the table as needed.

NOTE: The TCU and UNTHSC School of Medicine does not have tenure or tenure-track faculty. Core faculty are defined as faculty who contribute 50% or more effort to the TCU and UNTHSC School of Medicine. Support faculty are those faculty who contribute less than 50% effort to the TCU and UNTHSC School of Medicine. Faculty will have primary appointments at either TCU or UNTHSC with secondary appointments at the other university.

All core and support faculty have not been identified or hired at the time of proposal submission. The plan for faculty availability in the first five years of the program is attached as Appendix B. The medical school core and support faculty members will reflect a range of clinical, scientific, and interdisciplinary backgrounds. A large pool of talented individuals already exists in North Texas from academic programs, non-academic teaching hospitals, and private practices. The institution anticipates that additional faculty members will be drawn from a pool of individuals outside of Tarrant County and outside Texas who are attracted by the scientific and intellectual resources of the institution, the clinical opportunities, and the overall quality of life in North Texas.

Table 8. Core Faculty			
Name and Rank of	Highest Degree and	Courses Assigned in	% Time Assigned to Program
Core Faculty	Awarding Institution	Program	
e.g.: Robertson, David	PhD. in Molecular Genetics	MG200, MG285	50%
Assoc. Prof	Univ. of Wisconsin-Madison	MG824 (Lab Only)	
*Allie, Jennifer Assoc. Professor	Ph.D. in Department of Educational Leadership & Policy	Preparation for Practice	100%

	University of Utah	Phase 1 Courses (CAS facilitator)	
Bergestuen, Deidi Assist. Professor	Ph.D. in Medicine Univ. of Oslo-Norway M.D. in Internal Medicine Univ. of Texas SW Medical School	Clinical Skills Metabolism/Life-Cycle	80%
Bernas, Judy Assist. Professor	M.S. in Public Health, Administration and Policy Univ. of Arizona	Clinical Skills	100%
Bernas, Mike Assoc. Professor	M.S. in Genetics Univ. of Arizona	Scholarly Pursuit and Thesis	100%
*Chadwick, Jacqueline Professor	M.D. Univ. of Arizona College of Medicine	Phase 1 Courses (CAS facilitator) Clinical Skills	100%
Cross, Courtney Assist. Professor	Ph.D. in Public Health Univ. of Texas Medical Branch at Galveston	Foundations Phase 1 Courses (CAS Facilitator) Preparation for Practice	100%
*#Cunningham, Tara Assoc. Professor	Ed.D. in Higher and Post- secondary Education Arizona State University	Clinical and Medical School Immersion Phase 1 Courses (CAS facilitator)	100%
*Flynn, Stuart Professor	M.D. Univ. of Michigan-Ann Arbor	Foundations Behavior, Hematology, Immunology and Skin	100%
*Franks, Danika Assist. Professor	M.D. Univ. of Texas SW Medical School	Clinical and Medical School Immersion	100%
Gandhi, Rajesh Assoc. Professor	M.D., Ph.D. in Medicine Albany Medical College	Physician Development Coach (longitudinal integrated clerkship mentor)	50%
#Gonzales, Eric Assoc. Professor	Ph.D. in Biomedical Sciences Univ. of N. Texas Health Science Center	Foundations Neuromusculoskeletal	100%
Hopper, Ken Assoc. Professor	M.D. Univ. of Texas Medical Branch at Galveston	Physician Development Coach (longitudinal integrated clerkship mentor)	75%
Kaplan-Liss, Evonne Professor	M.D. Mount Sinai School of Medicine	Clinical Skills	100%
Kunkler, Kevin Professor	M.D. Indiana University School of Medicine	Clinical Skills	100%

		Γ	=
*Leuck, Joanna Assoc. Professor	M.D. Univ. of Texas SW Medical School	Phase 1 Courses (CAS facilitator)	50%
Nangia, Samir Assist. Professor	M.D. St. Georges Medical School - Grenada, West Indies	Physician Development Coach (longitudinal integrated clerkship mentor)	50%
#Nath, Swapan Professor	Ph.D. in Microbiology/Molecular Biology Univ. of Toronto - Canada	Foundations Behavior, Hematology, Immunology, Skin	100%
Nelson, Erin Assoc. Professor	Psy.D. in Clinical Psychology Argosy Univ.	Preparation for Practice Behavior, Hematology, Immunology, Skin	75%
Nguyen, Thuthuy Assist. Professor	M.D. Texas Tech Univ. Health Sciences Center	Physician Development Coach (longitudinal integrated clerkship mentor)	50%
Pillai, Saji Assist. Professor	M.D. Dr. B.R. Ambedkar Medical College - India	Longitudinal Integrated Clerkship (Internal Medicine) Clinical Skills	50%
*Savi, Christine Assoc. Professor	Ph.D. in Curriculum and Instruction: Special Education/Educational Technology Arizona State Univ.	Preparation for Practice Phase 1 Courses (CAS facilitator)	100%
Siddiqui, Imran Assoc. Professor	Ph.D. in Biochemistry Ziauddin Univ Karachi	Foundations Homeostasis	100%
Tatum, Veronica Assist. Professor	M.D. Univ. of Texas SW Medical School	Foundations Behavior, Hematology, Immunology, Skin Metabolism/Life-Cycle	80%
VanVliet, Stacey Assist. Professor	M.D. Univ. of Missouri – Columbia School of Medicine	Physician Development Coach (longitudinal integrated clerkship mentor)	50%
Watson, Virginia Assist. Professor	M.D. Univ. of Texas Medical Branch at Galveston	Clinical and Medical School Immersion Behavior, Hematology, Immunology, Skin Longitudinal Integrated Clerkship	50%
Projected New Core Faculty in Year 2018	24		

Complete Table 9 to provide information about Support Faculty. Support Faculty are other full-or part-time faculty who would be affiliated with the proposed program. Modify the table as needed.

Name and Rank of Support Faculty	Highest Degree and Awarding Institution	Courses Assigned in Program or Other Support Activity	% Time Assigned to Program
e.g.: Robertson, David Assoc. Prof	PhD. in Molecular Genetics Univ. of Wisconsin-Madison	MG200, MG285 MG824 (Lab Only)	10%
#Badamosi, Razaq Assist. Professor	M.D. Univ. of Jos - Nigeria	Homeostasis	2%
Bajaj, Chris Assist. Professor	D.O. Univ. of N. Texas Health Science Center Texas - College of Osteopathic Medicine	Metabolism/Life-Cycle	5%
Balamuthusamy, Saravanan Assoc. Professor	M.D. Rosalind Franklin Univ. of Medicine and Science – Chicago Medical School	Homeostasis	5%
Bannout, Rim Assist. Professor	M.D. Univ. of Miami – School of Medicine	Homeostasis	2%
#Berg, Rance Assoc. Professor	Ph.D. Immunology and Microbiology Univ. of Colorado Health Sciences Center	Behavior, Hematology, Immunology, Skin	5%
Bhella, Paul Professor	M.D. Medical Univ. of South Carolina	Preparation for Practice	10%
Brady, Jeremy Assist. Professor	M.D. Univ. of Iowa Roy J. and Lucille A. Carver College of Medicine	Clinical and Medical School Immersion	2%
Capper, David Professor	M.D. Univ. of Texas Medical School - Houston	Longitudinal Integrated Clerkship	30%
Casey, Daniel Professor	M.D. Univ. of Missouri - Columbia	Longitudinal Integrated Clerkship	2%
Cecere, Joseph Assist. Professor	D.M.D. in Dentistry Fairleigh Dickinson Univ. School of Dentistry	Homeostasis	2%
#Cheng, Yi-Qiang (Eric) Professor	Ph.D. in Botany and Microbiology Michigan State Univ.	Foundations	2%
#Clay, Patrick Professor	Ph.D. in Pharmacy	Foundations	2%

	Linite of Oklahama Haalth		
	Univ. of Oklahoma Health		
	Sciences Center College of		
	Pharmacy		200/
Combs, Shanna	M.D.	Longitudinal Integrated	30%
Assist. Professor	Univ. of New Mexico	Clerkship	
	School of Medicine	э.эр	
Crawford, Courtney	M.D.	Behavior, Hematology,	2%
Assist. Professor	Michigan State Univ.	Immunology, Skin	
	College of Human Medicine	illillallology, 5kill	
Crossno, Chase	M.Ph. in Global Health	Clinical Skills	10%
Assist. Professor	Boston Univ.	Cillical Skills	
#Dart, Lyn	Ph.D. in Nutrition	Motobolism / Life Cycle	5%
Assoc. Professor	Texas Woman's Univ.	Metabolism/Life-Cycle	
Davis, Steven	M.D.		5%
Assist. Professor	Univ. of Texas		
	Southwestern Medical	Homoestasis	
	School		
Dixon, Brian	M.D.	Longitudinal Integrated	30%
Assist. Professor	Texas A&M Univ. System	Clerkship	30 70
A3313C 1101C3301	Health Science Center	Cicroship	
	College of Medicine	Behavior, Hematology,	
	College of Medicine	Immunology, Skin	
Durand, John	M.D.	Illillidiology, 5kill	2%
Assist. Professor	Univ. of Arizona	Clinical Skills	270
	M.D.		2%
Fain, Harold		l la mana a aba a i a	۷%
Assistant Professor	Univ. of Texas Medical	Homeostasis	
<u> </u>	Branch Galveston		200/
Fowler, Grant	M.D.	Longitudinal Integrated	30%
Professor	Univ. of Texas Medical	Clerkship	
	School at Houston	J.G.1.61p	
Gonzalez, Jose	M.D.		10%
Professor	Univ. of Miami School of	Preparation for Practice	
	Medicine		
Gryczynski, Zygmunt	Ph.D. in Spectroscopy		10%
Professor	Univ. of Gdansk, Institute	Preparation for Practice	
	of Experimental Physics		
Haden, James	M.D.		2%
Assist. Professor	Univ. of Texas Health	Motabolism/Life Cycle	
	Science Center San	Metabolism/Life Cycle	
	Antonio		
Harrell, Catherine	M.D.	Behavior, Hematology,	5%
Assist. Professor	Univ. of Texas Medical	Immunology, Skin	
	School at Houston		
		Preparation for Practice	
Haynes, John (Jay)	M.D.		2%
Associate Professor	Louisiana State Univ.		= 70
, 10001410 1 1010001	Health Sciences Center,	Metabolism/Life-Cycle	
	School of Medicine		
He, Johnny	Ph.D. in Molecular Biology		2%
Professor]	Foundations	∠-70
	New York Univ.		200/
Herring, Mary Elizabeth	J.D.	Droppration for Drastics	20%
Professor	South Texas College of	Preparation for Practice	
	Law		

Hubli, Eric	M.D.		2%
Assoc. Professor	Tufts Univ. School of Medicine	Preparation for Practice	
Hulsey, Meredith Assist. Professor	D.O. Univ. of N. Texas Health Science Center	Foundations	5%
Jamal, Karim Assist. Prof	M.D. Queen's Univ. Medical School - Canada	Clinical Skills	30%
Jennings, Adam Assist. Prof	D.O. Lake Erie College of Osteopathic Medicine	Longitudinal Integrated Clerkship	30%
Jeyarajah, Rohan Professor	M.D. Brown Univ.	Longitudinal Integrated Clerkship	2%
Keathley, Craig Assist. Prof	M.D. Univ. of Texas Medical Branch Galveston	Longitudinal Integrated Clerkship	2%
Kent, Vaishali Assist. Prof	M.D. Univ. of N. Texas Health Science Center	Longitudinal Integrated Clerkship	2%
LeFevre, Whitney Assist. Prof	M.D. Univ. of Missouri-Columbia	Longitudinal Integrated Clerkship	40%
Liu, Hao Professor	Ph.D. in Anatomy Univ. of Mississippi Medical Center	Foundations Neuro-musculoskeletal	10%
Lorimer, Douglas Assist. Prof	M.D. Univ. of Texas Medical Branch Galveston	Metabolism/Life-Cycle	2%
Madhrira, Machaiah Assoc. Professor	M.D. Mysore Medical College, Univ. of Mysore - India	Homeostasis	30%
Manov, Andrey Professor	M.D. Medical Academy - Bulgaria	Metabolism/Life-Cycle	2%
#Mathew, Porunelloor Assoc. Professor	Ph.D. in Biochemistry Univ. of Pune, India	Foundations	2%
Mathur, Monika Assist. Professor	M.D. Ross Univ. School of	Metabolism/Life Cycle	2%
McCarthy, Terry Professor	Medicine - West Indies M.D. Univ. Texas Medical Branch Galveston	Preparation for Practice Longitudinal Integrated Clerkship	2%
Mihills, Cody Assist. Professor	M.D. Baylor College of Medicine	Preparation for Practice	2%
Moore, Angela Assoc. Professor	M.D. Baylor College of Medicine	Metabolism/Life-Cycle	2%
Moore, Todd Assist. Professor	M.D. Univ. Texas Medical Branch Galveston	Behavior, Hematology, Immunology, Skin	2%
Moore, Frank (Trey) Assist. Professor	M.D. Univ. of Texas Health Science Center - San Antonio	Behavior, Hematology, Immunology, Skin	2%

	1		
Murthy, Kenton	D.O.		2%
Assist. Professor	Univ. of N. Texas Health	Longitudinal Integrated	
	Science Center	Clerkship	
	Texas College of		
Name Discussion	Osteopathic Medicine		20/
Nguyen, Diane	M.D.	Matalaslians/Life Cools	2%
Assist. Professor	Univ. Texas Medical Branch	Metabolism/Life-Cycle	
	Galveston		201
Nguyen, Peter	M.D.	Donas dia Garage	2%
Assist. Professor	Univ. of Texas Medical	Preparation for Practice	
N:	School - Houston		100/
Niacaris, Timothy	M.D.	Durana wakio wa ƙasa Dura akio a	10%
Assoc. Professor	Univ. of Texas SW Medical	Preparation for Practice	
D. I. MARIE	Center		20/
Pate, William	M.D.	Matakalian (Life Coale	2%
Professor	Univ. Texas Medical Branch	Metabolism/Life-Cycle	
D. I	Galveston		20/
Patterson, Rita	Ph.D. in Biomedical		2%
Professor	Sciences	Neuromusculoskeletal	
	Univ. Texas Medical Branch		
D: 1 II C: 1	Galveston		100/
Pickell, Stuart	M.D.	Donas dia Garage	10%
Assoc. Professor	Univ. of Texas SW Medical	Preparation for Practice	
D	School	51	201
Pittman, Julie	M.D., Ph.D. in	Behavior, Hematology,	2%
Assoc. Professor	Neuroscience	Immunology, Skin	
	Univ. Texas Medical Branch		
	Galveston	Longitudinal Integrated	
#Dlanz John	Dh D, in Biology	Clerkship	200/
#Planz, John Professor	Ph.D. in Biology Univ. of N. Texas	Foundations	20%
#Podawiltz, Alan	D.O.		2%
	Oklahoma State Univ.	Behavior, Hematology,	270
Professor		Immunology, Skin	
	College of Osteopathic Medicine		
#Quiceno, Mary	M.D.		30%
Assoc. Professor	Univ. of Miami	Neuro-musculoskeletal	3070
Ratliff, Jeanine	M.D.		5%
Assist. Professor	Univ. Texas Medical Branch	Motabolism/Life Cycle	370
ASSIST. Professor	Galveston	Metabolism/Life-Cycle	
Raut, Sangram	Ph.D. in Biomedical		2%
Assist. Professor	Sciences		270
Assist. Fiolessoi	Univ. of N. Texas Health	Foundations	
#Reeves, Rustin	Science Center Ph.D. in Biomedical		2%
Professor	Sciences		Z /U
110163301	Univ. of N. Texas Health	Foundations	
	Science Center		
Richie-Gillespie, Mayme	M.D.		2%
Assoc. Professor	Vanderbilt Univ. School of	Behavior, Hematology,	Z /U
7330C. F101C3301	Medicine	Immunology, Skin	
#Roane, Brandy	Ph.D. in Clinical Health	Behavior, Hematology,	15%
Assoc. Professor	Psychology	Immunology, Skin	13/0
101C33UI	i sychology	Inmunulogy, Jan	

	Univ. of North Texas		
	Offiv. Of North Texas	Explore and Discover	
Sanchez, Hugo Assoc. Professor	M.D., Ph.D. in Biomedical Sciences Univ. of California San Diego	Neuromusculoskeletal	10%
Schmanke, Troy Professor	Ph.D. in Experimental Psychology Texas Christian Univ.	Neuromusculoskeletal	2%
Shafi, Shahid Professor	M.D. Aga Khan Univ Pakistan	Preparation for Practice	30%
Shah, Dar Assist. Professor	M.D. Univ. of Oklahoma College of Medicine	Metabolism/Life-Cycle	2%
Shah, Mudita Assist. Professor	M.D. Univ. of Oklahoma College of Medicine	Metabolism/Life-Cycle	2%
Smith, Spencer Assist. Professor	M.D. Duke Univ. School of Medicine	Longitudinal Integrated Clerkship	30%
Spear, David Professor	M.D. Wayne State University – Detroit, Michigan	Neuromusculoskeletal	2%
#Tayag, Tristan Professor	Ph.D. in Electrical Engineering Univ. of Virginia	Scholarly Pursuit and Thesis	10%
Testa, Giuliano Assoc. Professor	M.D. Univ. of Padova - Italy	Preparation for Practice	2%
Thambidorai, Senthil Assist. Professor	M.D. Government Kilpauk Medical College - India	Homeostasis	5%
Verma, Rashmi Assist. Professor	M.D. Univ. of Delhi - India	Metabolism/Life Cycle	2%
Washington, Kimberly Assist. Professor	M.D. Univ. of Tennessee Health Science Center	Longitudinal Integrated Clerkship	2%
Webb, Brian Professor	M.D. Indiana Univ. School of Medicine	Neuromusculoskeletal	2%
Wilson, Donnie Professor	M.D. Univ. of Mississippi	Metabolism/Life Cycle	2%
#Yorio, Thomas Professor	Ph.D. in Biomedical Sciences-Pharmacology CUNY Graduate School, Mt. Sinai School of Medicine	Foundations	5%
Young, Richard Assist. Professor	M.D. Univ. of Texas Health Science Center San Antonio	Preparation for Practice	10%
Zepeda, Anthony Assist. Professor	M.D. Tufts School of Medicine	Preparation for Practice	2%
Projected New Support Faculty in Year 2018	81		

B. Teaching Load

Indicate the targeted teaching load for core faculty supporting the proposed program. Teaching load is the total number of semester credit hours in organized teaching courses taught per academic year by core faculty, divided by the number of core faculty at the institution the previous year. Provide an assessment of the impact the proposed program will have, if approved, on faculty workload for existing related programs at the institution.

School of Medicine faculty members are informed of their responsibilities in teaching, research, and service responsibilities in the initial letter of offer that includes a workload distribution breakdown by activity. The workload distribution for teaching, research, service, and clinical responsibilities is reviewed annually with faculty members by their department chair as part of their annual performance review process.

The School of Medicine will develop targeted teaching load requirements for core faculty that are consistent with the guidelines that are comparable to those at other medical schools as found in Appendix C.

C. Core Faculty Productivity

Complete Tables 10 and 11 to provide information about faculty productivity, including the number of publications and scholarly activities and grant awards. Table 10 shows the most recent five years of data by core faculty, including the number of discipline-related refereed papers/publications, books/book chapters, juried creative/performance accomplishments, and notices of discoveries filed/patents issued. Table 11 shows the number and amount of external grants by core faculty.

Where relevant to performing arts degrees, major performances or creative endeavors by core faculty should be included. Examples are provided below. Do not include conference papers, reviews, posters, and similar scholarship. The format of the tables and information may vary, as long as the information is conveyed clearly. Include a list of the key journals in the field.

All core faculty have not been identified or hired at the time of proposal submission. However, the School of Medicine will expect a level of effort and scholarship from its faculty that is consistent with the expectations set forward by TCU and UNTHSC. The institution anticipates the ability to recruit faculty who are currently maintaining high levels of professional productivity and that have an interest in cultivating the unique culture and mission of the new medical school.

Table 10. Total Faculty Publications and Other Scholarly/Creative Accomplishments for the Past Five Years							
Faculty Name	Refereed Papers	Book Chapters	Books	Juried Creative/ Performance	Patents		
e.g., Mencimer, Jennifer	12	3	2	0	5		
e.g., Walker, Guy	22	8	0	0	1		
Allie, Jennifer	0	0	0	0	0		
Bergestuen, Deidi	5	0	0	0	0		

Division of Academic Quality and Workforce Updated 6.29.2017

Bernas, Mike	17	5	0	0	0
Chadwick, Jacqueline	0	0	0	0	0
Cross, Courtney	4	0	0	0	0
Cunningham, Tara	0	0	0	0	0
Flynn, Stuart	6	0	0	0	0
Franks, Danika	0	0	0	0	0
Gandhi, Rajesh	14	0	0	0	0
Gonzales, Eric	8	0	0	0	0
Hopper, Ken	0	0	0	0	0
Kaplan-Liss, Evonne	3	0	0	0	0
Kunkler, Kevin	3	0	1	0	0
Leuck, Joanna	4	0	0	0	0
Nangia, Samir	2	1	0	0	0
Nath, Swapan	0	0	0	0	0
Nelson, Erin	1	0	0	0	0
Nguyen, Thuthuy	0	0	0	0	0
Pillai, Saji	0	0	0	0	0
Savi, Christine	1	0	0	0	0
Siddiqui, Imran	5	1	0	0	0
Tatum, Veronica	3	0	0	0	0
Vanvliet, Stacey	1	0	0	0	0
Watson, Virginia	0	0	0	0	0

Table 11. External Grant Awards for the Past Five Years						
Faculty Name	Grant Source	Grant Subject	Dates	Total Grant Amount	Institutional Amount	
e.g., Mencimer, Jennifer	National Science Foundation	Extragalactic Astronomy	2006- 10	\$5,000,000	\$2,500,000	
e.g., Walker, Guy	Fund for Astrophysica I Research	Develop Astronomical Equipment	2007- 08	\$400,000	\$400,000	
Bernas, Mike	Department of Defense Idea Grant	Lymphatic Vascular-based Therapy for IBD	2011- 2014	33,600	17,304	
Bernas, Mike	Department of Defense	Progression of Inflammatory Bowel Disease to Cancer: Is the Patient "Better Off" without Lymphatic	2011- 2013	299,826	154,410	

		Vessels or Nodes			
Bernas, Mike	NIH NIAID Infection and Immunity K-12 Science Program Exploring Knowns/Unknowr via VCRC/Q		2013- 2018	940,150	69,640
Bernas, Mike	NIH NICHD	Summers in Children's Research for Diverse High School Students	2013- 2018	421,765	31,240
Bernas, Mike	NIH NIMH	High resolution electrical brain mapping by real- time and portable 4d acoustoelectric imaging	2015- 2018	258,344	131,352
Bernas, Mike	NIH NHLBI	Short-Term Training to Increase the Diversity Pipeline in Heart/Lung/Blood Research	2011- 2017	1,096,700	87,735
Bernas, Mike	NIH NINDS	High School Student NeuroResearch Program (HSNRP)	2011- 2016	283,490	21,000
Bernas, Mike	NIH NIMH	BBB Tight Junctions During HIV-1 Dementia: Anti- Inflammatory Effects of GSK-3b Suppression (UA Subcontract)	2008- 2017	82,510	42,492
Bernas, Mike	NIH OD	Translating Translation and Scientific Questioning in the Global K-12 Community	2012- 2017	1,338,635	99,160
Cross, Courtney	National Institutes of Health (NIH)	Post-doctoral Toxicology Training Grant	2012- 2014	\$120,000	
Flynn, Stuart	The Josiah Macy, Jr. Foundation	Interprofessional Primary Care Curriculum: Implementation and Evaluation	2013- 2016	\$836,714	
Flynn, Stuart	The Josiah Macy, Jr. Foundation	A New Integrated Interprofessional Curriculum Model	2010- 2012	\$145,487	

Gonzales, Eric	IAADR Pilot Grant	Structure determination of a muscarinic acetylcholine receptor	2013- 2015	\$20,000	\$20,000
Kaplan-Liss, Evonne	Stony Brook Presidential Mini-Grant for Department al Diversity Initiatives	Communication Interprofessional Teamwork Initiative (CITI): New Health Professional Cultural Competency Interdisciplinary Curriculum Model	2011- 2013	\$1,500	
Leuck, Joanna	Society for Academic Emergency Medicine Education Fellowship Grant	Career Development Research Grant	2012- 2014	\$150,000	
Savi, Christine	Diversity, Equity and Inclusive Excellence & Innovation Grant,		2016	\$1,500	

IV. Resources

A. Student Financial Assistance

Complete Table 12 to provide the number of full- and part-time students who would be funded and the anticipated amounts for each of the first five years. Modify the table as needed to distinguish between Teaching Assistantships, Research Assistantships, and Scholarships/Grants. If student financial assistance is reliant upon grant funding, explain how funding will be consistently sustained if grant income falls short of projections. Additionally, show how the level of student support compares to the anticipated overall student cost of tuition and fees.

Through a generous donor, tuition for the first year of tuition for each of the 60 medical students in the charter class will be provided.

Efforts have begun to develop a scholarship program for medical students. The Texas Christian University Office of Advancement assigned a senior fundraiser to the school of medicine who has actively engaged the dean and campus leaders to build a culture of philanthropy within the city of Fort Worth, Tarrant County, and North Texas. The fundraising plan defines solicitation and fundamental development program strategies to generate private support for medical student scholarships. These efforts include a priority to plan, secure, and steward scholarship gifts, and in the spring of 2016, a scholarship fundraising campaign for the school of medicine was launched. The initial fundraising goal was set in spring 2016 at \$3 million to be raised by 2019. In less than one year into the campaign, nearly \$4 million has been raised and solely dedicated to student scholarships. Continued efforts to identify and develop relationships with the TCU alumni, individuals, corporations, and foundations who have demonstrated an interest in advancing health care

and medical education in Fort Worth, and beyond will continue well after the charter class arrives in 2019. The immediate fundraising goal is to continue raising funds to offset at least 15 percent of tuition for all future medical students.

Table 12. Student Financial Assistance						
		2019	2020	2021	2022	2023
	# of Full-time students	0	0	0	0	0
Teaching	Amount per student	N/A	N/A	N/A	N/A	N/A
Assistantships	# of Part-time students	0	0	0	0	0
	Amount per student	N/A	N/A	N/A	N/A	N/A
	# of Full-time students	0	0	0	0	0
Research	Amount per student	N/A	N/A	N/A	N/A	N/A
Assistantships	# of Part-time students	0	0	0	0	0
	Amount per student	N/A	N/A	N/A	N/A	N/A
	# of Full-time students	60	120	180	240	240
	Amount per student	Full tuition (\$57,500)	TBD	TBD	TBD	TBD
Scholarships	# of Part-time students	N/A	N/A	N/A	N/A	N/A
	Amount per student	TBD	TBD	TBD	TBD	TBD

B. Library Resources

Provide the library director's assessment of both paper and electronic library resources for the proposed program. Describe plans to build the library holdings to support the program. Include the amount allocated to the proposed program.

The (UNTHSC) Lewis Library currently serves the education, research, patient care, and community engagement needs of the students and faculty of all schools at UNTHSC, including the Texas College of Osteopathic Medicine, the Graduate School of Biomedical Sciences, the School of Health Professions, the School of Public Health, and the UNT System College of Pharmacy. Library access and librarian support will be available to SOM students.

The Mary Couts Burnett Library serves all academic units on the TCU campus including the school of medicine. TCU's nursing and health sciences programs curriculum includes undergraduate programs and a Doctor of Nurse Practice (DNP) degree in Nursing and Nurse Anesthesia.

The Lewis Library holdings include 11,199 health science journal subscriptions, 23,609 books and 113 databases. The Mary Couts Burnett Library holdings include 11,077 health science journal subscriptions, almost 2 million book titles and 465 databases. A portion of the medical education program budget will be earmarked for the purchase of learning resources that support medical student knowledge acquisition, including any resources needed to expand current library collections.

Both libraries are working together to determine which new and unique resources will need to be procured to serve specific needs and interests of the SOM's medical education program. The Lewis Library's Collection Development Committee is conducting a review of other medical schools library holdings and a literature review, reviewing faculty requests, and performing a bibliographic analysis to determine the adequacy of existing resources in serving the needs of the new school. Both libraries are investigating licensing rights and medical student access to current collections. A portion of the medical education program budget will be earmarked for the purchase of learning resources that support medical student knowledge acquisition, including any resources needed to expand current library collections.

The Lewis Library maintains a Collection Development Team composed of six librarians who meet monthly to review the adequacy of the library's bibliographic resources. The group conducts regular analyses on the need for and usage of scholarly and clinical resources using a variety of inputs such as those listed below. Each of these items helps the librarians in their constant work of analyzing the adequacy of the library's resources in meeting its users' needs.

- Systematic collection of input from faculty and students through in-person meetings, attendance at curriculum committee meetings, and submissions via email and the library web site.
- Electronic resource usage statistics from publishers Publishers provide Lewis
 Library with detailed reports on how many times people using the UNTHSC network
 access databases and journal articles. The reports also include publisher items that
 UNTHSC users click on but are unable to access due to the lack of a subscription.
- Analysis of journal level metrics from sources such as Journal Citation Reports and SCOPUS – The Collection Development Committee routinely uses these sources of quality material to ensure that no important journals are missing from the library collection.

- Interlibrary Loan Requests The library checks its ILL requests each month to
 determine if users are asking for large numbers of articles from a specific journal
 that is more than five articles from a journal in a year. This can be a good indicator
 that the library should subscribe to that journal title.
- Regular campus visits from science publisher representatives Lewis Library is
 regularly visited by the publishers of the world's best scientific literature and clinical
 tools and uses these visits as a way to maintain awareness of newly published
 resources.
- Librarian attendance at professional meetings Librarians regularly attend professional meetings around the country to network with other librarians and gather knowledge that contributes to the ongoing analysis of the adequacy of its collections.

Combining the empirical evidence described above with their professional knowledge and awareness of campus needs, the librarians conduct routine analysis to ensure that the library is offering the scholarly and clinical resources needed by the students, staff, and faculty at UNTHSC.

Lewis Library's scholarly collection contains approximately 11,000 electronic journals, 14,700 print and electronic books, and 119 searchable databases in the biomedical sciences, clinical medicine, public health, and affiliated fields. Of special note, the library offers an electronic version for nearly all of the required textbooks for the medical, physician assistant, physical therapy, and pharmacy programs. Electronic textbooks are reviewed with school and program curriculum committees and updated on a yearly basis to reflect curricular changes. Lewis Library's electronic resources are available to all authorized users, including current students, on a 24x7 basis from anywhere in the world. The library will review and revise electronic resource license agreements as needed to ensure that proper changes are made to ensure equivalent access for students of the new school. The Lewis Library also maintains a robust system of delivering any needed print material to students, residents, and other authorized users at remote sites via FedEx.

Electronic library resources are accessible from the Mary Couts Burnett Library website that limits access to authorized TCU students/faculty/staff. New electronic resources for the medical school will be supported the same way. Sharing electronic resources with UNTHSC students will easily be accommodated by TCU technically, but will be subject to vendor restrictions given individual license arrangement. Print resources are shared with TCU students/faculty/staff by use of a TCU ID card that is used to circulate material. Medical school students will also be provided with a TCU ID card for the same purpose.

Both the Lewis Library and the Mary Couts Burnett Library and their TexShare memberships will allow SOM students, staff, and faculty physical access to and borrowing privileges from all public libraries as well as various public and private institutions of higher education in Texas.

All of the Lewis Library physical space, electronic resources, printer/copiers, and computing resources are available on a 24x7 basis and librarians are available Monday – Friday, 8am – 5pm. Lewis Library maintains on-site staffing for 109 hours per week. Library staff are available to respond to in-person questions until midnight Sunday through Thursday and 10 PM on Friday and Saturday. Further, librarians can respond to electronically submitted email requests on a 24/7 basis. The Mary Couts Burnett Library opens mid-day on Sunday and stays open continuously until Friday evenings during the long semesters. The Library is open all day on Saturdays. Holiday and summer hours include nights and weekends but not 24 hour access. Librarians are available to students during all library hours.

C. Facilities and Equipment

Describe the availability and adequacy of facilities and equipment to support the proposed program. Describe plans for new facilities, improvements, additions, and renovations.

The new school's primary teaching space for the pre-clerkship phase of the curriculum will be located in UNTHSC's new Interdisciplinary Research and Education Building (IREB) on Camp Bowie Boulevard in Fort Worth, Texas. Some of the key attributes of this new facility and other facilities that are included in the medical education program space requirements are described below.

UNTHSC has committed to the SOM priority scheduling classes for selected classrooms and teaching areas. All of the large format classroom requirements are met with existing UNTHSC facilities in the IREB and other buildings. The classrooms for the school of medicine will be team-based learning environments. All furniture systems, audio visual systems, infrastructure and software will support this type of learning environment. There are several sizes of classrooms, however they will all share an established doctrine. Classrooms will be flexible and promote the various shared teaching options required by the program. The below features are consistent aspects of these instructional spaces:

- Writable surfaces to be included throughout each room. These are either writable paint surfaces or marker boards or a combination of the two.
- AV software and hardware to support mobility and projection from screen to screen.
- Flat panel displays on stands with wheels, as well as fixed to some walls.
- Reconfigurable tables with 4-8 person seating capacity.
- Cable TV for large classrooms.
- In addition to the SOM priority space on the third and fourth floors of the IREB, the IREB will additionally include:
 - A 3,000 square foot Health Care Innovations Lab
 - Research and instructional laboratories,
 - Multimedia learning areas,
 - o Telemedicine and tele-pharmacy capabilities, and
 - A café and student lounge.

SOM students will have the same access to these spaces as all other UNTHSC students.

The IREB and other partner spaces will provide resources such as laboratories and other instructional tools. The laboratories will aid in educating students by creating real-world situations in a teachable environment.

Clinical Skills (Suite)

The Clinical Skills suite consists of a cluster of 18 exam rooms, linked with an exam control room to provide students real-world medical applications. Patient-actors will use the standardized patient prep room to create live clinical situations and assessments. A classroom is also provided to prepare, brief and educate students relative to each clinical skills experience. Rooms will be set up with camera capture for live-feed.

Simulation (Suite)

The simulation suite requires space for a large simulation skills laboratory to practice skills on anthropomorphic mannequins. This laboratory will work in conjunction with a control room and storage room to create a variety of medical conditions and scenarios.

This space will be highly flexible to adjust to a variety of space and powered conditions, and have the ability to adapt to future needs.

In addition to the Simulation suite within the IREB, additional high fidelity simulation access has been granted by TCU's Harris College of Nursing Simulation Laboratory, which includes an Ambulatory Suite (Patient Care) consisting of 4 exam rooms and 1 in-home care simulation room, an acute care suite consisting of 9 double patient rooms and 1 single patient ICU room, a mock medical dispensing area, and 4 debriefing rooms. All simulation laboratory spaces are video and voice captured through KbPort and a central control room with flat panel displays allows for remote instructions and monitoring of each space. The simulation laboratory uses both Laerdal and Gaumard simulators and each patient room is setup to record audio and video through either a 36 or pan-tiltzoom cameras.

In addition to TCU, the Harris Methodist Simulation Laboratory high-fidelity simulation center has also granted access to SOM students and faculty. This center was initially developed to support the training of first responders throughout the Fort Worth area. Since opening in 2014, this simulation laboratory has expanded availability as a community training center to include other medical practitioners, including current use by the University of North Texas Health Science Center. The simulation laboratory includes a front lobby that includes an ambulance bay (amock "back of ambulance" scene), a resuscitation room, an operating room (currently used as task training), and a transitional ICU patient care room. High fidelity mannequins range from infants and low fidelity units to very complex high fidelity units that simulate operational procedures. Each simulation space is supported by an adjacent control room and there are three varied sized debriefing rooms located nearby for use. Each simulation room and the lobby are setup for video and voice capture through EMS (an additional software support package was installed, but not used). Since this simulation laboratory is located in a hospital, all gases are active and true to their labeling in order to act as usable overflow space for the hospital.

The UNTHSC Center for Biohealth will provide large size lecture rooms for testing purposes. These rooms are large enough to provide adequate spacing based on testing requirements, as well as data and power outlets for each seat located in the space.

The UNTHSC Center for Anatomical Sciences maintains a state-of-the-art human anatomy laboratory as well as a bio-skills research facility for education and training of local residents and clinicians in new ultrasound, orthopedic, and surgical techniques.

UNTHSC and TCU provide state of the art recording studios that will be used for developing interview skills for students in news room situations. Other interview scenarios will take place on the fourth floor of the UNTHSC Library. The existing space will be reconfigured to accommodate a small group interview simulation.

D. Support Staff

Describe plans, if any, to increase or reallocate support staff in order to provide sufficient services for the projected increases in students and faculty.

The TCU and UNTHSC School of Medicine will have the full benefit of existing administrative offices and administrative staff from both TCU and UNTHSC to support the modest class size of 60 students. Established administrative offices and staff from Admissions and Registration, Student Affairs and Student Health, Diversity, Library Services, Information Technology, Accounting, Human Resources, Facilities and Operations among others will continue to support the development of the TCU and UNTHSC School of Medicine.

Additionally, adequate funding is available to recruit top-talent faculty and staff who will be fully dedicated to the development and support of the new program and its faculty and students. The first key hire was that of the school's inaugural dean in 2016. The strategic hiring of subsequent key staff and faculty to support the medical school has ensued as the ramp-up activities accelerate.

E. External Learning

If applicable, describe the plans for providing Internships, Clerkships, Clinical Experiences, or other required external learning opportunities. Explain the impact this new program would have, if approved, on the available number of external learning opportunities in Texas for this type of program.

The School of Medicine will utilize the Longitudinal Integrated Clerkship (LIC) model for clerkship training. The inpatient portion of the model, including initial inpatient immersion experiences in medicine, surgery, pediatrics, and labor and delivery will be accommodated at local hospitals. Additionally, inpatient "bursts" (3-7 day periods of inpatient psychiatry, gynecology, pediatrics, neurology) will occur throughout the year in those hospital settings. The outpatient portion of the LIC, encompassing the majority of clerkship training, will occur in physician practices throughout Fort Worth and surrounding areas (not remote or geographically distant sites).

Affiliation agreements will be implemented with all hospital and physician groups where student rotations will occur. A revised version of the AAMC Uniform Clinical Training Affiliation Agreement has been utilized in establishing relationships with local hospitals and physician groups for the training of the SOM medical students. Discussions have occurred with the CEOs of all local hospitals and hospital systems, and the dean has received a number of signed commitments and additional verbal commitments from other affiliates.

Signed agreements include the following hospitals:

- Baylor Regional Medical Center at Grapevine
- Baylor Scott & White All Saints Medical Center-Fort Worth
- Baylor Surgical Hospital at Fort Worth
- Cook Children's Health Care System
- John Peter Smith Hospital System
- Methodist Health System
- Previa Medical Group North Texas
- Texas Health Arlington Memorial
- Texas Health Harris Methodist Hospital Alliance
- Texas Health Harris Methodist Hospital Fort Worth
- Texas Health Harris Methodist Hospital Southwest Fort Worth
- Texas Health Physicians Group

F. List of Potential Expert Reviewers

Provide the names and contact information for six potential expert reviewers to review the proposed program. Expert Reviewers must come from top-ranked programs in the nation, hold the rank of full professor or senior administrator, and have no conflicts of interest relating to the proposed program. Describe concisely the qualifications of each expert reviewer.

	, -		
Institution	's Proposed	Expert K	eviewers:

Updated 6.29.2017

Senior Associate Dean of Education,
Associate Dean for Admissions, Founding Director – Institute for Excellence in Education, Great Doctors Made by Great Teachers, Director – Clinical Skills Center,

					Excellence in Education, Great Doctors Made by Great Teachers, Director – Clinical Skills Center,
1.	Name: Caro	l Terragino, MD		Title and Rank:	Professor of Medicine
	Institution:	Rutgers Robert Wood Johnson	Medical S	School	
	Phone #:	732-235-4576	Email:	terregca@rwjms.rutg	<u>ers.edu</u>
	Qualifications	/Expertise:			
	Medical educa	ntion and medical education accre	editation e	expertise	
2.	Name: Sam	ara Ginzburg, MD		Title and Rank:	Associate Dean for Medical Education, Associate Dean for Case-Based Learning
	Institution:	Hofstra Northwell School of Me	dicine		
	Phone #:	516-463-7501	Email:	samara.ginzburg@ho	fstra.edu
	Qualifications			<u> </u>	
	•	ition and medical education accre	editation	including in new school	environment
	ricalcal caace	dion and medical education deer	Juliation,	melading in new school	CHVIIOIIIICHE
3.	Name: Fred	eric W. Hafferty, PhD		Title and Rank:	Professor of Medical Education
	Institution:	Mayo Clinic			
	Phone #:	507-538-6502	Email:	hafferty.frederic@ma	<u>yo.edu</u>
	Qualifications	/Expertise:			
	Medical educa	ntion and medical education accre	editation e	expertise	
				•	
4.	Name: Barb	ara Atkinson, MD		Title and Rank:	Founding Dean
	Institution:	UNLV School of Medicine			
	Phone #:	702-895-0343	Email:	barbara.atkinson@un	lv.edu
	Division of Ac	cademic Quality and Workforce			67 P a g e

Qualifications/Expertise:

Medical education and medical education accreditation expertise, including in new medical school environment

5.	Name: Cyn	da Johnson, MD		Title and Rank:	Founding Dean				
	Institution:	Virginia Tech Carilon School of	Medicine						
	Phone #:	540-526-2559	Email:	cajohnson1@carilionc	linic.org				
	Qualifications Medical educa environment	s/Expertise: ation and medical education accre	expertise, including in ne	ew medical school					
6.	Name: Deb	orah German		Title and Rank:	Founding Dean, Vice President for Medical Affairs				
	Institution:	University of Central Florida Co	llege of M	ledicine					
	Phone #:	407-266-1000	Email:	deborah.german@ucf	<u>.edu</u>				
	Qualifications/Expertise:								
	Medical education and medical education accreditation expertise, including new medical school								

G. Five-Year Costs and Funding Sources Summary

On the attached forms, provide estimates of new and reallocated costs to the institution related to the proposed program and provide information regarding sources of the funding that would defray those costs.

Use the Program Funding Estimation Tool found on the Coordinating Board website (www.thecb.state.tx.us/newprogramscertificates) and attach a saved copy of the completed Excel spreadsheet to your application.

H. Signature Page

Select and obtain required signatures for either the signature page entitled, "Institutional and Board of Regents Consideration by the Board" or the signature page "Board of Regents Consideration by the Commissioner."

V. Required Appendices

- A. Course Descriptions and Prescribed Sequence of Courses
- B. Five-Year Faculty Recruitment Plan/Hiring Schedule
- C. Institution's Policy on Faculty Teaching Load
- D. Itemized List of Capital Equipment Purchases During the Past Five Years²
- E. Librarian's Statement of Adequate Resources
- F. Articulation Agreements with Partner Institutions
- G. Curricula Vitae for Core Faculty
- H. Curricula Vitae for Support Faculty
- I. Letters of Support from Peer Institutions and/or Area Employers

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² "Equipment" has the meaning established in the Texas Administrative Code §252.7(3) as items and components whose cost are over \$5,000 and have a useful life of at least one year.

Costs to the Institution of the Proposed Doctoral Program

Complete the table to show the dollar costs to the institution that are anticipated from the proposed program.

Cost Category	Cost Sub-Category	1st Year	2nd Year	3rd Year	4th Year	5th Year	TOTALS
Faculty Salaries	(New)	\$11,115,492	\$17,952,346	\$18,524,972	\$18,883,535	\$19,253,432	\$85,729,777
	(Reallocated)						
Program Administration	(New)	\$602,940	\$619,140	\$650,890	\$708,440	\$737,240	\$3,318,650
Administration	(Reassignments)						
Graduate Assistants	(New)						
	(Reallocated)						
Clerical/Staff	(New)	\$9,920,032	\$11,105,306	\$11,728,715	\$12,080,576	\$12,442,994	\$57,277,623
	(Reallocated)						
	Supplies & Materials	\$169,396	\$178,546	\$184,152	\$185,482	\$186,932	\$904,508
Library & Instructional Technology Resources*		\$32,243	\$56,743	\$84,343	\$66,543	\$30,743	\$270,615
Facilities and Equipment*		\$4,941,400	\$4,779,200	\$4,817,200	\$4,922,900	\$4,965,590	\$24,426,290
Travel		\$481,700	\$490,200	\$504,100	\$499,200	\$502,700	\$2,477,900
Org Development and Committee Support		\$863,400	\$871,900	\$879,400	\$880,400	\$880,400	\$4,375,500
	\$283,500	\$1,290,500	\$300,000	\$1,318,000	\$325,000	\$3,517,000	
D	ues and Memberships	\$26,027	\$26,377	\$26,377	\$26,377	\$26,677	\$131,835

<u>TOTALS</u>	\$28,436,130	\$37,370,258	\$37,700,149	\$39,571,453	\$39,351,708	\$182,429,698
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^{*}Equipment has the meaning established in the Texas Administrative Code §252.7(3) as items and components whose cost are over \$5,000 and have a useful life of at least one year.

Anticipated Sources of Funding

Complete the table to show the dollar amounts anticipated from various sources to cover any and all new costs to the institution as a result of the proposed doctoral program. Use the Non-Formula Sources of Funding form to specify as completely as possible each non-general revenue source.

Funding Category	1st Year	2nd Year	3rd Year	4th Year	5th Year	TOTALS
I. Formula Funding*						
II. Other State Funding	\$4,400,000	\$4,400,000	\$4,400,000	\$4,400,000	\$4,400,000	\$22,000,000
III. Reallocation of Existing Resources	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
IV. Federal Funding (In-hand only)						
V. Other Funding	\$15,245,496	\$17,768,302	\$22,793,393	\$27,115,934	\$27,739,383	\$110,662,508
TOTALS	\$20,645,496	\$23,168,302	\$28,193,393	\$32,515,934	\$33,139,383	\$137,662,508

^{*}Use the Formula Funding Calculation Tool on the Coordinating Board web site to estimate income from the State. See also the *Guidelines for Institutions*

Non-Formula Sources of Funding

Complete the table to specify, as completely as possible, each of the non-formula funding sources for the dollar amounts listed on the Anticipated Sources of Funding form.

Funding Category	Non-Formula Funding Sources
II. Other State Funding	#1 HEF funds from UNTHSC will be used to cover the annual facilities and equipment costs for the School of Medicine.
	#2
III. Reallocation of Existing Resources	#1 Local funds will be reallocated by UNTHSC to cover the salaries and benefits of three key School of Medicine administrators.
	#2
IV. Federal	#1
Funding	
	#2
V. Other Funding	#1 Endowment earnings contributed by TCU and other donors; and operating gifts and contributions from
	Other donors and area health systems.

#2 Student tuition paid via registration at To
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#3 TCU has agreed to underwrite any deficits for the School of Medicine, should they be necessary.

H. Institutional and Board of Regents Signature Page for Board Consideration

1.	<u>Adequacy of Funding</u> – The Chief Executive Officer shall sign the following statement:
	I certify that the institution has adequate funds to cover the costs of the new program. Furthermore, the new program will not reduce the effectiveness or quality of existing programs at the institution.
	Chief Executive Officer Date
2.	<u>Reimbursement of Consultant Costs</u> – The Chief Executive Officer shall sign the following statement:
	I understand that the doctoral proposal process includes the use of external reviewers. In the event that one or more external reviewer are contracted to review a doctoral proposal put forward by my institution, I understand that my institution will be required to reimburse the Texas Higher Education Coordinating Board for costs associated with the use of such expert reviewers. By signing, I agree on behalf of my institution to provide reimbursement for reviewer costs.
	Provost/Chief Executive Officer Date
3.	<u>Board of Regents Certification of Criteria for Board Consideration</u> The Board of Regents or designee must certify that the new program has been approved by the Board of Regents and meets the fourteen criteria under Texas Administrative Code (TAC) Section 5.46.
	On behalf of the Board of Regents, I certify that the new program meets the fourteen criteria specified under TAC Section 5.46 and has been approved by the Board of Regents.
	Board of Regents (Designee) Date

H. Board of Regents Signature Page for Commissioner Consideration

4. **Board of Regents Certification of Criteria for Commissioner or Assistant Commissioner**Consideration – Typically proposals for doctoral programs are approved by the Board, supported with a recommendation for approval by the Commissioner. Under very limited circumstance a program may be approved by the Commissioner. In this case only, the Board of Regents or designee must certify that the new program meets the criteria under Texas Administrative Code (TAC) Section 5.50 (b) and (c).

TAC §5.50(b) The program:

- (1) has a curriculum, faculty, resources, support services, and other components of a degree program that are comparable to those of high quality programs in the same or similar disciplines at other institutions;
- (2) has sufficient clinical or in-service sites, if applicable, to support the program;
- (3) is consistent with the standards of the Commission of Colleges of the Southern Association of Colleges and Schools Commission on Colleges and, if applicable, with the standards or discipline-specific accrediting agencies and licensing agencies;
- (4) attracts students on a long-term basis and produce graduates who would have opportunities for employment; or the program is appropriate for the development of a well-rounded array of basic baccalaureate degree programs at the institution;
- (5) does not unnecessarily duplicate existing programs at other institutions;
- (6) does not be dependent on future Special Item funding;
- (7) has new five-year costs that would not exceed \$2 million.

TAC §5.50 (c)The program:

- (1-2) is in a closely related discipline to an already existing doctoral program(s) which is productive and of high quality;
- (3) has core faculty that are already active and productive in an existing doctoral program;
- (4) has a strong link with workforce needs or the economic development of the state; and
- (5) the institution has notified Texas public institutions that offer the proposed program or a related program and resolved any objections.

On behalf of the Board of Regents, I certify that the new program meets the criteria specified under TAC Section 5.50 (b and c) and has been approved by the Board of Regents.

Board of Regents (Designee)	 Date

—TCU and UNTHSC— School of Medicine





Appendix A: Course Descriptions and Prescribed Sequence of Courses

Required Course and Clerkship Descriptions

PHASE 1

MEDICAL SCHOOL AND CLINICAL IMMERSION

Description The Medical School and Clinical Immersion course introduces students to the culture of medical school and medicine and the importance of medicine as a calling rather than a job. The course prepares students to engage in the academic workload and pedagogy of medical school as well as to understand the role and impact of health and disease on patients, families and society. During this course, the students receive their initial instruction in basic science, course and theme areas and become acquainted with each other through social events and team-building exercises. They begin student learning development activities that orient students to the technology tools, resources, and learning and assessment methods. They are experientially introduced to both academic and personal support systems. The Medical School and Clinical Immersion culminates with the White Coat Ceremony and reading of the student generated class oath.

Course Weeks 3

Course Director Virginia Watson, MD, MS

FOUNDATIONS

Description The Foundations course covers introductory or basic material sufficient to prepare the students for subsequent more detailed courses to follow. Topics will include anatomy, biochemistry, physiology, pathology, immunology, microbiology, genetics/genomics, histology, pharmacology, etc.

Course Weeks 7

Course Director Imran Siddiqui, PhD (Interim)

BEHAVIOR, HEMATOLOGY, IMMUNOLOGY AND SKIN

Description The Behavior, Skin, Immunology, Hematology course will provide 1) foundational information on the structure, function and abnormalities of the components of human blood, 2) elements responsible for the immune system and inflammatory processes, 3) information on the structure, function and abnormalities of the skin, and 4) principles on normal and abnormal behavior, and will prepare the students to integrate this knowledge into the subsequent organ system courses.

Course Weeks 7

Course Director Virginia Watson, MD, MS (Interim)

Module Directors Brandy Roane, PhD (Behavioral); Catherine Harrell, MD (Skin); Rance Berg, PhD (Immunology); Virginia Watson, MD, MS (Immunology); Veronica Tatum, MD (Hematology)

HOMEOSTASIS

Description The Homeostasis course is designed to provide instruction in the basic and clinical sciences required for examination and treatment of disorders of the cardiovascular, pulmonary and renal systems. This course will provide a comprehensive and in-depth study of these sciences, including cardiac and vascular anatomy and histology, cardiac electrophysiology and arrhythmias, cardiac function, peripheral vascular disease, cardiovascular risk factors (including lipid physiology and pathophysiology), valvular disease, coronary artery heart disease and blood pressure control, normal and abnormal pulmonary and renal physiology, histology, embryology and acid-base balance. Clinical aspects of obstructive, restrictive and interstitial pulmonary diseases will be covered. Various clinical abnormalities of the renal and genitourinary systems will be discussed. The course will include pathophysiology, pharmacology, histology, clinical anatomy, embryology, genetics, genomics, as well as clinical presentation, prevention and treatment of diseases of the cardiovascular, pulmonary and renal systems. In addition to the above topics, aspects of pharmacology, microbiology, imaging, and diagnostics will be presented.

Course Weeks 11

Course Director Imran Siddiqui, PhD

Module Directors Senthil Thambidorai, MD (Cardiovascular); Saravanan Balamuthsuamy, MD (Renal); Steven Davis, MD (Pulmonary)

NEUROMUSCULOSKELETAL

Description The Neuromusculoskeletal course will provide a comprehensive overview of the musculoskeletal and nervous systems. Specific topics will include neuroanatomy, neurophysiology, neuropharmacology, neurochemistry, neuro-immunology and infection, neuropathology, neurobiology and neurology, axial and appendicular skeleton, muscles, ligaments and tendons. Emphasis will be on neuroanatomy, the mechanisms of disease, differential diagnoses, interpretation of tests and procedures, evaluation of results involving brain pathology along with application of specific treatment interventions in the management of patients with central nervous system disease. Neuroimaging will also be introduced and the student will be expected to correlate CT and MRI images with gross and microscopic specimens. Clinical topics focused on in this course include movement disorders, head trauma, stroke, altered mental states (memory loss, dementia, delirium, coma), seizures, headache, and sleep problems). Additional topics include normal and abnormal mechanism of the development of tissues and the pathophysiological mechanism of various disease processes including trauma in both pediatric and adult patients. The rehabilitative aspects of care will also be discussed.

Course Weeks 9
Course Director Mary Quiceno, MD
Module Directors Hugo Sanchez, MD, PhD (Musculoskeletal); Eric B. Gonzales, PhD (Neuro)

METABOLISM AND LIFE CYCLE

Description The Metabolism and Life Cycle course is designed to facilitate foundational understanding of the metabolism, reproduction and life cycle development. Topics include the gastrointestinal system, including the processes of digestion, absorption and metabolism of key nutrients and how these processes are modulated by the liver and endocrine and exocrine systems; how these homeostatic mechanisms are perturbed to produce obesity, diabetes and other selected ailments; and the basis of how these perturbations can be treated and/or prevented by lifestyle and pharmacologic means. Additionally the importance of nutrition and its role in health and disease will be explored, including areas such as fad diets, nutrition as a component of disease treatment and appropriate use of artificial feeding and nutrition. Reproduction, sexuality, and endocrinology related to the gonadal, growth hormone, prolactin, adrenocortical and thyroid axes will be covered, as well as alterations that occur across the life span Additional facets of normal physiological, selected pathophysiological and pharmacological aspects pertinent to unique stages of the human life span such as, pregnancy, lactation, infancy, childhood, adolescence and aging will be included.

Course Weeks 11

Course Director Veronica Tatum, MD

Module Directors Deidi Bergestuen, MD (GI); Lyn Dart, PhD (Nutrition); Chris Bajaj, MD (Endocrinology); Shanna Combs, MD (Interim-Reproduction); Jeanine Ratliff, MD (Life-Cycle)

EXPLORE AND DISCOVER

Description The Explore and Discover course is designed for each student to develop and complete a self-directed course of activity personalized to meet individual needs or desires to further one's medical education. The course provides students with curricular time to pursue flexible individualized independent learning activities to further their medical education. Students will select one or more activities to complete during the course.

Course Weeks 4 Course Director Brandy Roane, PhD

CLINICAL SKILLS

Description The Clinical Skills is a longitudinal course graded each semester that will prepare the student to be a functional member of the medical care team by instilling the necessary skills as outlined. Working within the medical school's integrated organ systems-based curriculum, this course covers communication, history taking, physical examination, and critical thinking skills defined as core competencies. Each session is divided into modules which typically include an orientation, live demonstration, physical exam practice, standardized patient (SP) encounter, focused SOAP note documentation exercise, oral presentation exercise and/or SOAP note dissection, vocabulary exercise, listening tutorial, a pathophysiology integration exercise and/or case summary.

Course Weeks Varies; 23 weeks, 25 weeks

Course Director Deidi Bergestuen, MD; Karim Jamal, MD (Assistant Director)

SCHOLARLY PURSUIT AND THESIS

Description The Scholarly Pursuit and Thesis (SPT) course is a longitudinal course graded each semester that is designed to teach critical inquiry through evidence-based approaches in research. The SPT course is integrated longitudinally throughout the School of Medicine curriculum to empower students to learn about medical information literacy within a culture dedicated to lifelong learning, teamwork, ethical practice and effective communication. Students work closely with mentors, the Course Director, and program staff to develop a scholarly research prospectus and culminating thesis. At the end of the four-year longitudinal course, students present their projects to the community at a research symposium showcasing their findings and innovative ideas for the future of medical research.

Course Weeks Varies; 23 weeks and 25 weeks

Course Director Michael Bernas; Tristan Tayag, PhD (Assistant Director)

PREPARATION FOR PRACTICE

Description The Preparation for Practice course is a longitudinal course graded each semester with content integrated within the curriculum designed to prepare the student for the practical aspects of medicine. This will be accomplished in a developmental manner with foundational concepts and principles in the first one to two years and building to more complex and difficult topics and applications in the last two years. Experiential and application driven techniques will be utilized throughout this course. The course also provides opportunities for the students to come together for collaborative and reflective time in their process of becoming a physician. Curricular formats and learning strategies will vary to accommodate the variety of content and learning.

Course Weeks Varies; 23 weeks and 25 weeks

Course Director Erin Nelson, PsyD

Theme Leads Virginia Watson, MD, MS (IPE); TBN (Aging); Stuart Pickell, MD (Ethics); Paul Bhella, MD (Healthcare Delivery, Policy, and Advocacy); Chase Crossno, MPH (Community and Public Health); Tim Niacaris, MD (Biomedical Informatics); Zygmunt Gryczynski, PhD (Technology and Advances in Medicine); Erin Nelson, PsyD (Mental and Behavioral Health); Jose Gonzalez, MD (Social Determinants of Health); TBN (Evidence Based Medicine)

INTRODUCTION TO LONGITUDINAL PATIENT CARE

Description The Introduction to Longitudinal Patient Care is a longitudinal course graded each semester that will give students early exposure to the patient care and the health care system during bi-monthly clinical experiences with a preceptor. The student will be responsible for identifying 1-2 patients throughout the year to continue during Phase 2 and a taper off in Phase 3. The goals of this course will be an exposure to the foundations of clinical practice and health care delivery with an emphasis on the patient experience, interacting with the health care team and best practices for communication.

Course Weeks Varies; 23 weeks, 25 weeks Course Number MEDS 8XX23 and MEDS 8XX25 Course Director TBN

PHASE 2

TRANSITION TO LONGITUDINAL INTEGRATED CLERKSHIP

Description The Transition to Longitudinal Integrated Clerkship course will prepare students for the phase 2 LIC expectations across the multiple clerkship domains.

Course Weeks 2 Course Number MEDS 8XXX2 Course Director TBN

FAMILY MEDICINE

Description The Longitudinal Integrated Clerkship in Family Medicine is centered on lasting, caring relationships with patients and their families. It will focus on the integration of the biological, clinical and behavioral sciences to provide continuing and comprehensive health care for patients of all ages and both genders. The student will understand the role of serving as the patient's or family's advocate in all health-related matters, including the appropriate use of consultants and community resources. The experience will allow for ample opportunity for each student to acquire knowledge about community resources and their appropriate uses. A solid understanding of the Social Determinants of Health is a main goal of the clerkship as students work with health care teams to eliminate barriers to access and care.

Course Weeks 40 Course Director Whitney LeFevre, MD

INTERNAL MEDICINE

Description The Longitudinal Integrated Clerkship in Internal Medicine is designed to expose students to in-patient and ambulatory experiences that will serve as a foundation throughout their professional lives as physicians.

The focus of this experience will be on developing an understanding of the integration of basic and clinical science. Students will be exposed to patients with common chronic medical conditions, including diabetes mellitus, obstructive and restrictive pulmonary disease, common cardiac conditions, thyroid disease, common chronic gastrointestinal, liver and biliary tract diseases, among others.

The Internal Medicine Clerkship will encompass activities in several subspecialty areas. While students may not master all of Internal Medicine by the end of the year, students are expected to achieve a level of responsibility in the in-patient and ambulatory setting appropriate for a third year medical student including independent data gathering, critical assessment of the data, development of differential diagnoses and management plans, and communication of data to other health professionals and to patients.

Course Weeks 43 Course Director Saji Pillai, MD

PSYCHIATRY

Description The goal of the Psychiatry Longitudinal Integrated Clerkship is to introduce students to the core principles of the medical specialty of Psychiatry. The experience will focus on common psychiatric and behavioral patient problems encountered by all physicians. The clerkship will prepare the student to understand the role of mental illness on all aspects of patient care and will prepare the student to appropriately assess, manage and/or refer patients. The students will understand the roles of various healthcare providers addressing mental health and learn to function as a team in the best interest of the patients served.

Course Weeks 40 Course Director Brian Dixon, MD

SURGERY

Description The goal of the Surgery Longitudinal Integrated Clerkship is to introduce the student to the principles of caring for the surgical patient. The student is expected to participate in the care of patients in the various stages of evaluation and treatment by surgeons, including the preoperative office or clinic visit, inpatient admission, operative procedure and inpatient/outpatient recovery. Through this exposure, the student will begin to understand the general process of the application of surgical therapy to patients in a wide variety of settings. Furthermore, by participating as a member of the surgical team, the student will observe the role of the surgeon as a member of the multidisciplinary team that provides care for the patient.

Course Weeks 43 Course Director TBN

OBSTETRICS AND GYNECOLOGY

Description The Obstetrics and Gynecology Longitudinal Integrated Clerkship provides an introductory experience in the provision of comprehensive medical care and counseling services to female patients across all ages. Normal and complicated obstetrical care and common

gynecological issues will be addressed as the primary focus for this clerkship experience allowing the students to follow patients over time. In addition the student will be exposed to more serious or less common conditions as well. The primary goal for the clerkship is to introduce the clinical information fundamental in the education of all physicians.

Course Weeks 43 Course Director Shanna Combs, MD

PEDIATRICS

Description The goal of the Pediatrics Longitudinal Integrated Clerkship is to provide medical students with an appreciation and understanding of the pediatric patient and family members. The student will learn about wellness and prevention, common acute illnesses, common chronic conditions, behavior and development and applied genetics in the context of the pediatric population. Attention will be paid to caring for both patient and family. Societal issues facing children as well as interpersonal challenges will also be addressed.

Course Weeks 41 Course Director TBN

NEURGOLOGY

Description The Neurology Longitudinal Integrated Clerkship is designed to teach medical students the principles and skills needed to recognize and manage the neurological diseases that a general medical practitioner is most likely to encounter in practice. Implicit in this is the ability to recognize the problems of the nervous system that require neurological consultation. Students will learn to perform a thorough neurologic history and examination by the completion of this rotation. The role of the faculty is to provide guidance, stimulation, support and example.

Course Weeks 40 Course Director TBN

EMERGENCY MEDICINE

Description The purpose of this Longitudinal Integrated Clerkship rotation is to give students an exposure to emergency medicine. Students will be assigned Emergency Department shifts throughout Phase 2, including night and weekend shifts. The primary goal of this clerkship is to provide the student with the experiences and training so the student develops the skills needed to evaluate the undifferentiated patient. However the student will also follow a patient assigned in other LIC clerkships whenever the patient goes into the Emergency Department. The student will function as a sub-intern in the emergency department with responsibility for the initial evaluation of patients. Students will learn to obtain a history, perform a physical examination, and develop a differential diagnosis, treatment plan, and disposition. The student will learn how

to assess patients quickly and begin treatment without necessarily having a definitive diagnosis. Students will also be exposed to the social aspects of medicine – quickly forming relationships with patients and families; exposure to social ills such as homelessness and violence; and dealing with the limitations of medicine – uninsured patients and patients with chronic diseases who are noncompliant.

Course Weeks 40
Course Director Adam Jennings, MD

CLINICAL SKILLS

Description The Clinical Skills course will prepare the student to be a functional member of the medical care team by instilling the necessary skills as outlined. Working within the medical school's integrated organ systems-based curriculum, this course covers communication, history taking, physical examination, and critical thinking skills defined as core competencies. Each session is divided into modules which typically include an orientation, live demonstration, physical exam practice, standardized patient (SP) encounter, focused SOAP note documentation exercise, oral presentation exercise and/or SOAP note dissection, vocabulary exercise, listening tutorial, a pathophysiology integration exercise and/or case summary.

Course Weeks Varies; 23 weeks and 32 weeks Course Number Deidi Bergestuen, MD; Karim Jamal, MD (Assistant Director)

SCHOLARLY PURSUIT AND THESIS

Description The Scholarly Pursuit and Thesis (SPT) course is four-year longitudinal course is designed to teach critical inquiry through evidence-based approaches in research. The SPT course is integrated longitudinally throughout the School of Medicine curriculum to empower students to learn about medical information literacy within a culture dedicated to lifelong learning, teamwork, ethical practice and effective communication. Students work closely with mentors, the Course Director, and program staff to develop a scholarly research prospectus and culminating thesis. At the end of the four-year longitudinal course, students present their projects to the community at a research symposium showcasing their findings and innovative ideas for the future of medical research.

Course Weeks Varies; 23 weeks and 32 weeks Course Director Michael Bernas; Tristan Tayag, PhD (Assistant Director)

PREPARATION FOR PRACTICE

Description The Preparation for Practice course is a longitudinal course graded each semester with content integrated within the curriculum designed to prepare the student for the practical aspects of medicine. This will be accomplished in a developmental manner with foundational concepts and principles in the first one to two years and building to more complex and difficult topics and applications in the last two years. Experiential and application driven techniques will be utilized throughout this course. The course also provides opportunities for the students to

come together for collaborative and reflective time in their process of becoming a physician. Curricular formats and learning strategies will vary to accommodate the variety of content and learning.

Course Weeks Varies: 23 weeks and 32 weeks

Course Director Erin Nelson, PsyD

Theme Leads Virginia Watson, MD, MS (IPE); TBN (Aging); Stuart Pickell, MD (Ethics); Paul Bhella, MD (Healthcare Delivery, Policy, and Advocacy); Chase Crossno, MPH (Community and Public Health); Tim Niacaris, MD (Biomedical Informatics); Zygmunt Gryczynski, PhD (Technology and Advances in Medicine); Erin Nelson, PsyD (Mental and Behavioral Health); Jose Gonzalez, MD (Social Determinants of Health); TBN (Evidence Based Medicine)

PHASE 3

CRITICAL CARE SELECTION

Description The Critical Care Selective is a required four week rotation that has an emphasis on the management of the critically ill patient. Students will be exposed to the basics of resuscitation and management of the critically ill patient, as well as the associated diagnoses, physiology, pharmacology, team dynamics and procedures that are common in the intensive care unit.

Course Weeks 4 Course Director TBN

SUB-INTERNSHIP

Description The Sub-Internship is a required selective where students will perform in the role of the "acting intern". The clinical care provided will occur primarily in the inpatient setting. There will be increased responsibilities of the students compared to their Phase 2 Clerkship experiences. The goal will be for the students to be the primary provider for the initial evaluation and continued care of the patient under the supervision of the attending physician.

Course Weeks 4 Course Director TBN

PREPARATION FOR RESIDENCY BOOT CAMP

Description Students will have an intensive five week course to cover an advanced approach to such topics as clinical skills, procedures, communication, advanced basic sciences and leadership skills to prepare the students to begin their residency programs.

Course Weeks 5 Course Director TBN

FINAL REFLECTIONS: THE ART OF MEDICINE

Description This final three week course will serve as an opportunity for the student to reflect on their four years of experience during medical school and explore medicine as a calling and profession instead of simply a career. This course will include small group learning and a seminar format. There will also be interprofessional team learning with senior students from other programs.

Course Weeks 3 Course Director TBN

SCHOLARLY PURSUIT AND THESIS

Description Course continued as described earlier.

Course Weeks Varies; 41 weeks and 41 weeks Course Director Michael Bernas; Tristan Tayag, PhD (Assistant Director)

PREPARATION FOR PRACTICE

Description Course continued as described earlier.

Course Weeks Varies; 41 weeks and 41 weeks

Course Director Erin Nelson, PsyD

Theme Leads Virginia Watson, MD, MS (IPE); TBN (Aging); Stuart Pickell, MD (Ethics); Paul Bhella, MD (Healthcare Delivery, Policy, and Advocacy); Chase Crossno, MPH (Community and Public Health); Tim Niacaris, MD (Biomedical Informatics); Zygmunt Gryczynski, PhD (Technology and Advances in Medicine); Erin Nelson, PsyD (Mental and Behavioral Health); Jose Gonzalez, MD (Social Determinants of Health); TBN (Evidence Based Medicine)

—TCU and UNTHSC— School of Medicine





Appendix B: Five (5) Year Recruitment Plan

Appendix: Five (5) Year Recruitment Plan

Inaugural Faculty Search (n=46)

The school of medicine announced a call for faculty to submit formal interest in serving as curricular leaders for the curriculum development and implementation. The Search Committee distributed an announcement regarding the call for community physicians and current TCU and UNTHSC PhD faculty to express interest in serving as faculty for the following inaugural faculty positions:

- Phase 1 course and module directors (n=23)
- Theme faculty leads (n=9)
- Physician development coaches (n=5)
- Phase 2 clerkship directors (n=9)

This initial call for inaugural faculty was distributed to the local physician community and all PhD faculty at both TCU and UNTHSC via email March 2017. The initial call was also distributed via email to the 143 individuals who between July 2016 and March 2017 had met with the vice dean for educational affairs and accreditation and had expressed interest in being engaged as faculty with the school of medicine. This call was also distributed to chief medical officers at John Peter Smith (JPS) Health System, Baylor All Saints Hospital, Texas Health Harris Methodist Hospital, and to the chief medical officers for groups in the Dallas/Fort Worth (DFW) area that have expressed an interest in engaging with the school of medicine. Based on this initial announcement, the school received 83 responses from physicians and PhD faculty from the DFW metroplex who were interested in being engaged with the educational mission of the school of medicine. The faculty Search Committee invited and interviewed all 83 individuals from this inaugural faculty pool.

From the 83 inaugural search meetings and from discussions with the 143 local physicians and basic scientists, the school of medicine has appointed a total of 104 faculty, including faculty to serve as course directors, module directors, clerkship directors, theme lead faculty, physician development coaches, as well as thirty-seven (35) faculty to serve as members of the Curriculum Design Task Forces (groups of basic science and clinical faculty to provide input into the planning of each individual Phase 1 course).

Phase 1 Basic Science Education Faculty Search (n=6)

After reviewing the available faculty members from the Curriculum and Medical Student Committee and from the inaugural faculty pool, the school of medicine determined that additional basic science faculty were still needed to deliver and implement the basic science content across the curriculum. The school of medicine faculty Search Committee drafted a position description and a national advertisement to recruit up to six (6) full-time Phase 1 basic science education faculty to serve as course and module directors, content application faculty, and longitudinal content experts for the basic science curriculum throughout Phase 1, Phase 2, and Phase 3. The advertisements for the basic science education faculty were posted for 30 days in national journals and websites, including the online and print version of Diverse Issues in Higher Education; online at InsideHigherEd.com; AAMC Career Connect. In addition, both positions were circulated nationally through the DR-ED listsery.

The school of medicine received 79 applications for the full-time basic science education positions. The Faculty Search Committee has reviewed all the basic science educational faculty applicants and has appointed three of the initial six faculty. The school plans to finalize the appointment of this initial cohort of full-time basic science educators by the end of Spring 2018.

Faculty and Course Director, Medical Student Research Project and Thesis Search (n=1)

The school has posted a national advertisement to identify and recruit one (1) faculty member to serve as the course director for the Scholarly Pursuit and Thesis (SPT) course. The Search Committee has reviewed 17 applications for the SPT course director position. After reviewing the initial pool, it was determined to re-visit the position duties and re-post this position in August 2017, with an anticipated appointment date of this course leader before January 2018.

Diversity Recruitment Strategies for National Searches:

For the national searches, the Search Committee adhered to the TCU Faculty Recruitment Policy and worked closely with the chief inclusion officer to identify active recruitment strategies to attract diverse faculty candidates to these positions. The Search Committee and the TCU chief inclusion officer reviewed the applicant pool for the two national searches, and following review of the EEO report for each of the positions, the TCU chief inclusion officer approved the diversity of the applicant pool prior to inviting candidates to campus for interview.

For the local search, the Search Committee reviewed the diversity of the candidates ensuring representation across gender and race/ethnicity when extending invitations to serve in school of medicine curricular leadership roles.

Academic Year 2017-18 Recruitment:

Faculty Role:	Number	Search Status:	Anticipated	FTE
	of Open		Appointment	(per
	Positions:		Date:	position)
		Phase 1 Faculty	1	
Basic Science	6	National search selection in process by Search	August 30,	1.0 FTE
Education		Committee. Posted April 2017. Positions	2017	
Faculty		closed June 1, 2017		
		TTI 1 11 11 (2) C.1 C.11		
		The school has appointed three (3) of the full-		
		time basic science educators and plans to do a		
		targeted search for up to two (2) physiologists Fall 2017.		
Phase 1 Course	7	Posted March 2017. Positions closed May 15,	August 1,	.2030
Directors	,	2017.	2017	FTE
Directors		2017.	2017	l I I L
		The school has appointed five (5) of the Phase		
		1 course directors. It is anticipated that the		
		remaining two (2) will be identified in		
		conjunction with the appointment of full-time		
		basic science faculty.		
Phase 1 Module	14	Posted March 2017. Positions closed May 15,	October 30,	.0510
Directors:		2017.	2017	FTE
		TT 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		The school has appointed 12 of the Phase 1		
		module faculty.		
		The remaining two (2) module director		
		positions are being recruited through active		

		recruitment strategies with our local clinical		
		partners. The school of medicine anticipates		
		identifying and appointment the remaining		
		three module directors by end of October		
		2017.		
Clinical Skills	2	Community physician recruitment. The	Fall 2017	.50 FTE
Faculty		school of medicine has appointed the first of		
(Assistant		two (2) assistant directors. The 2 nd position		
Director)		will be posted October 2017 with an		
		anticipated start date of January 1, 2018.		
		Phase 2 Faculty		
Phase 2	9	Community physician recruitment. Selection	August 30,	.3040
Clerkship		in process by Search Committee. Posted	2017	FTE
directors		March 2017.		
		The school of medicine has appointed five (5)		
		of the clerkship directors.		
		The second secon		
		The remaining four (4) clerkship director		
		positions are being recruited through active		
		recruitment strategies with our local clinical		
		partners.		
		Longitudinal Faculty/Courses		•
Theme Faculty	9	Community physician and faculty - Posted	August 30,	.10 FTE
Lead		March 2017. Positions closed May 15, 2017.	2017	
		The school has appointed nine (9) of the		
		theme faculty lead faculty. The Preparation		
		for Practice course director is working with		
		associate dean for faculty affairs and		
		development and the vice dean for		
		educational affairs and accreditation to		
		identify a theme lead for the health care		
Dharaiaian	5	delivery theme.	A a a . 20	50 ETE
Physician	3	Community physicians - Posted March 2017.	August 30, 2017	.50 FTE
Development Coaches		Positions closed May 15, 2017.	2017	
Coaches		The school has appointed five (5) Physician		
		Development Coaches. An additional 11		
		coaches will be appointed prior to spring		
		2018.		
2017 Total	52 role	specific faculty positions to be appointed before end	of MAY 2017	
Faculty:		rates y positions to be appointed corole ond		
- a. a				

Academic Year 2018-19 Recruitment:

The school of medicine plans to continue to identify clinical preceptor faculty, electives faculty, scholarly project mentors, and other faculty to contribute to the diversity of experiences and learning for our medical students.

Faculty Role:	Number of Positions:	Search Status:	Anticipated Appointment Date:	FTE			
	•	Phase 2 Faculty	-				
Phase 2 Longitudinal Integrated Clerkship (LIC) Preceptors	60	Community physician recruitment - To be announced and opened locally fall 2018	Spring 2019	Stipend for 10- month clerkship			
•	Phase 3 Faculty						
Electives Director	1	Community physician recruitment - To be announced and opened fall 2018	Spring 2019	.20 FTE			
		Longitudinal Faculty/Courses					
Physician Development Coaches	11	To be posted spring 2018	Fall 2018	.50 FTE			
Scholarly Pursuit and Thesis Mentors	30	To be posted spring 2018	Fall 2018	In kind			
2018 Total Faculty:	102 faculty p	ositions anticipated to be appointed in academic	year 2018-19.				

Academic Year 2019-20 Recruitment:

Faculty Role:	Number of Positions:	Search Status:	Anticipated Appointment Date:	FTE
		Phase 1 Faculty		
Clinical Skills Faculty	25	To be posted fall 2018	Spring 2019	.10 FTE
Content Application Session Faculty	24	To be posted fall 2018	Spring 2019	.1030 FTE
		Phase 2 Faculty		
LIC Preceptors	360	To be recruited locally fall 2018	Spring 2019	Stipend for 10- month clerkship
		Phase 3 Faculty		
Phase 3 Critical Care Selective Faculty	3	To be posted fall 2018	Spring 2019	.1020
Phase 3 Electives Faculty	60	Community physician recruitment - To be announced and opened spring 2019	Fall 2019	In-kind
		Longitudinal Faculty/Courses		
Scholarly Pursuit and Thesis Mentors	30	To be posted spring 2019	Summer 2019	In kind

2019 Total	445 faculty positions anticipated to be appointed academic year 2019-20	
Faculty:		

Summary of Current and Anticipated Recruitments 2017-2020:

During the next three years, the school of medicine will recruit and appoint an additional 600 faculty to implement and deliver the four-year curriculum.

On-going Faculty Recruitment 2020 and Beyond:

The school of medicine anticipates the need for the on-going recruitment of Phase 1 faculty to participate in the content-application sessions, clinical skills, simulation activities and other small group sessions. In addition, the school of medicine will continue to recruit and identify Phase 2 LIC preceptors in each of the clerkships to ensure an appropriate number of clinical training sites for the medical students. The director for electives will continue to build a robust catalog of Phase 3 electives including the recruitment of elective course faculty. The director for the Scholarly Pursuit and Thesis course will continually recruit and develop mentors to oversee medical students' research projects, expanding both the number of mentors as well as the breadth and diversity of research topics.

—TCU and UNTHSC— School of Medicine





Appendix C: Institution's Policy on Faculty Teaching Load

The TCU and UNTHSC School of Medicine will develop its own school-specific, comprehensive workload policy that will address teaching load limitations once the course schedule and credit hours have been finalized. It is anticipated that the workload policy will be bound by the FTE of the faculty member and reflective of the total efforts towards the faculty member's primary and supporting academic areas of accomplishment (i.e., Teaching and Educational Leadership; Investigation; Clinical Innovations and Improvement; Service and Administration; and Community Engagement).

—TCU and UNTHSC— School of Medicine





Appendix D: Itemized List of Capital Equipment Purchases During the Past Five Years

Item	Descrition of Capital Item	Amount	Notes
	LCMS+ (LMS/CMS Software)	\$72,500	Just Completed
	Resolution Applications	\$23,000	Faculty Management Software (annual subscription pricing model)
	CAE (Simulation and Clinical Skills SW & Servers)	\$300,000	In process

—TCU and UNTHSC— School of Medicine





Appendix E: Librarian's Statement of Adequate Resources

Library Resources for the TCU/UNTHSC MD School

October 17, 2017

The new MD program will have available for use the existing scholarly and clinical resources from both the Gibson D. Lewis Health Science Library at UNTHSC and TCU's Mary Couts Burnett Library. Lewis Library's collection offers approximately 11,000 electronic journals, 14,700 print and electronic books, and 119 searchable databases in the biomedical sciences, clinical medicine, public health, and affiliated fields. Of special note, the library offers an electronic version for nearly all of the required textbooks for the medical, physician assistant, physical therapy, and pharmacy programs. The Mary Couts Burnett Library at TCU has over 11,000 journals, substantial book budget support and more than 50 databases in the medicine, nursing, biology, chemistry and health related disciplines.

Both libraries have been reviewing their collections to determine if the MD program will create a need for any new or unique resources that are not already held by the libraries. Lewis Library's Collection Development Committee recently completed a review of other medical library holdings and performed a bibliographic analysis to determine the adequacy of existing resources in serving the needs of the new school. Based on the review, only one commonly held item, the clinical tool UpToDate, was noted as lacking from Lewis Library's collection. A subscription to UpToDate has now been added. The libraries are investigating electronic licensing rights and will work to ensure the new MD students have 24x7, worldwide access to the pertinent electronic resources of both institutions.

Both the Lewis Library and the Mary Couts Burnett Library maintain TexShare memberships that allow School of Medicine students, staff, and faculty physical access to and borrowing privileges from the majority of public and private institutions of higher education in Texas. Lewis Library also has quick access (24-hour turnaround) to a robust print collection of medical books and journals held in the Joint Library Facility, a state-maintained print repository available for use by health science institutions in Texas.

Together, the two libraries allocate over \$8,350,000 each year to obtain print and electronic scholarly and clinical resources. The TCU library spends approximately \$6,700,000 on a broad range of resources that will support the new program while Lewis Library devotes about \$1,650,000 to the purchase of biomedical resources alone. This commitment of financial resources along with the libraries' large personnel and service commitments make us confident that there are sufficient resources already in place to support the needs of the proposed program.

Dr. June Koelker

Library Dean

Texas Christian University

cure Krelher

Daniel Burgard

Executive Director of Library and

Information Services

University of North Texas HSC

—TCU and UNTHSC— School of Medicine





Appendix F: Articulation Agreements with Partner Institutions

VISION STATEMENT AND AGREEMENT BETWEEN TEXAS CHRISTIAN UNIVERSITY AND UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER

This Vision Statement and Agreement is made and entered into effective as of the 29th day of September 2017 (the "Effective Date"), by Texas Christian University ("TCU") and by University of North Texas Health Science Center ("UNTHSC") to set forth the Institutions' vision for the future and further agreement regarding development of a joint allopathic medical school ("School of Medicine").

WHEREAS, the Institutions' vision of a jointly offered M.D. degree through a unique collaboration between TCU, a private co-educational liberal arts university, and UNTHSC, a public institution with a well-recognized osteopathic program, will leverage resources and address the high cost of education by combining resources and strengths to provide sustainability for the School of Medicine.

WHEREAS, the Institutions' vision will improve access to care, address societal problems in the Fort Worth community, and prepare the next generation of physicians to provide care as delivery is informed by technologies, therapies, and approaches even yet to be imagined.

WHEREAS, UNTHSC brings a unique ability to educate medical students and provide faculty and resident development in a setting and atmosphere that promotes collaboration and cooperation between allopathic and osteopathic programs as graduate medical education transitions to a single accreditation system.

WHEREAS, the type of collaboration sought by TCU and UNTHSC is unique and the Institutions commit to work with the Accrediting Bodies and the Texas State Higher Education Coordinating Board to ultimately achieve their vision.

WHEREAS, the Institutions have entered into an Amended and Restated Collaboration Agreement of even date herewith, and pursuant to this Vision Statement and Agreement the Institutions desire to further define their vision for the future of the School of Medicine.

NOW, THEREFORE, for and in consideration of the mutual covenants set forth in this Vision Statement and Agreement and for other good and valuable consideration, the adequacy, receipt and sufficiency of which are hereby acknowledged, the Institutions hereby agree as follows:

1. TCU and UNTHSC will work together and with LCME and SACSCOC to determine and establish a process for accreditation of the School of Medicine as a joint M.D. program and for awarding a joint TCU/UNTHSC M.D. degree. In recognition of the strength and sustainability that this joint collaboration brings to the School of Medicine, the Institutions will establish a joint degree program as soon as possible. It is the vision of the parties that application for accreditation of a joint degree program will occur as soon as reasonably possible;

the parties recognize that the actual timeline is dependent upon the Accrediting Bodies' policies and processes as well as the requirements of the Texas Higher Education Coordinating Board.

- 2. For and in consideration of UNTHSC's collaborative support for TCU's application for accreditation of the School of Medicine, TCU hereby commits to cooperate and assist UNTHSC in seeking: (a) approval from the Texas Higher Education Coordinating board for UNTHSC to offer and confer an M.D. degree; (b) approval from SACSCOC for UNTHSC to offer a joint M.D. degree program with TCU; and (c) accreditation by LCME for UNTHSC to confer a joint M.D. degree with TCU.
- 3. In conjunction with establishing a joint M.D. program and awarding a joint M.D. degree, TCU and UNTHSC will develop such agreements as they may mutually determine necessary to govern the operations of the School of Medicine and as necessary to be fully compliant with all legal and accreditation requirements.
- 4. For and in consideration of TCU's commitment to establish the School of Medicine as a joint M.D. program, and to advance UNTHSC's mission of providing medical education through this collaboration with TCU, UNTHSC hereby initially commits to providing in-kind contributions in an amount up to \$5.4 million per Fiscal Year of: (a) classroom, laboratory, clinical training, research, and Student services space as necessary for the School of Medicine to achieve its educational, clinical, and research missions; (b) Student services, library services, information technology software, equipment, infrastructure, and support; (c) faculty and staff; and (d) clinical training opportunities. Space assigned to the School of Medicine at UNTHSC will be given priority use and scheduling as required by LCME and be more particularly described in a space utilization plan and facilities use agreement.
- 5. TCU and UNTHSC will work to secure clinical affiliation rotation sites and clinical training opportunities to support the Curriculum requirements of the School of Medicine.
- 6. TCU and UNTHSC will work to develop Graduate Medical Education opportunities to support graduates of the School of Medicine.
- TCU and UNTHSC will develop and enter into any other agreements they may mutually determine to be necessary to support the operations of the School of Medicine, that are fully compliant with all provisions of current Texas law and will ensure that the status of students and the award of the Degree is consistent with current legal and accreditation requirements. The Institutions are committed to the joint development and operation of the School of Medicine in Fort Worth, consistent with legal and accreditation requirements. The Institutions acknowledge that TCU is making the initial application for accreditation as the M.D. degree conferring Institution. The Institutions intend, subject to accreditation processes and standards, for the M.D. degree to be conferred jointly at a later date, and will each use their best efforts to achieve accreditation of a joint School of Medicine program.
- 8. Capitalized terms not otherwise defined in this Vision Statement and Agreement shall have the meaning afforded to them in the Amended and Collaboration Agreement.

This Vision Statement and Agreement is entered into to be effective as of the Effective Date.

TEXAS CHRISTIAN UNIVERSITY				
By: Male Flum				
Mark L. Johnson Chairman of the Board				
Date: $\frac{10/9/2017}{}$				
By: Vine Brillian F. D.				
Victor J. Boschini, Jr., Ed.D. Chancellor				
Date:				
University of North Texas Health Science Center				
By: Is Brint Ryan Chairman. Board of Regents				
Date: 9/29/2017				
By: Lee Jackson, M.P.A. Chancellor				
Date: 10 2 / 17				
By: Michael R. Williams, D.O., M.D., M.B.A. President				
Date:10/3/17				

AMENDED AND RESTATED COLLABORATION AGREEMENT BETWEEN

TEXAS CHRISTIAN UNIVERSITY

AND

UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER

DATED AS OF SEPTEMBER 29, 2017

AMENDED AND RESTATED COLLABORATION AGREEMENT

BETWEEN

TEXAS CHRISTIAN UNIVERSITY

AND

University of North Texas Health Science Center

This Amended and Restated Collaboration Agreement is made and entered into effective as of the 29th day of September, 2017 (the "Effective Date"), by and between Texas Christian University ("TCU") and University of North Texas Health Science Center ("UNTHSC"), with reference to the following facts:

RECITALS

WHEREAS, TCU is a private, coeducational liberal arts university located in Fort Worth, Texas, whose mission is to educate individuals to think and act as ethical leaders and responsible citizens in the global community. TCU is composed of eight schools and colleges: (i) AddRan College of Liberal Arts; (ii) College of Science and Engineering; (iii) M. J. Neeley School of Business; (iv) College of Education; (v) Harris College of Nursing and Health Sciences; (vi) College of Fine Arts; (vii) Bob Schieffer College of Communication; and (viii) John V. Roach Honors College.

WHEREAS, UNTHSC is a graduate-level professional institution of the University of North Texas System ("UNTS") located in Fort Worth, Texas, whose vision and mission is to be the team of choice for education, discovery, and healthcare, and to create solutions for a healthier community. UNTHSC is composed of five separate schools of study: (i) Texas College of Osteopathic Medicine; (ii) Graduate School of Biomedical Sciences; (iii) School of Public Health; (iv) School of Health Professions; and (v) University of North Texas System College of Pharmacy.

WHEREAS, each of TCU and UNTHSC (sometimes collectively referred to as the "Institutions," and individually as an "Institution") have independently considered developing a premier allopathic medical school in Fort Worth in addition to the schools of study they presently offer.

WHEREAS, the Institutions are each committed to enhancing their existing schools and colleges through faculty and student recruitment and development, academic and professional research, strategic partnerships, and increased financial and academic resources, and to this end, are interested in a unique collaboration of the two Institutions for the planning, implementation, ongoing management and degree programs of an allopathic medical school.

WHEREAS, the Institutions' vision of a jointly offered Degree through a unique collaboration between TCU, a private co-educational liberal arts university, and UNTHSC, a public institution with a well-recognized osteopathic program, could leverage resources and address the high cost of education by creating a unique and collaborative education ecosystem.

WHEREAS, likewise, the vision will improve access to care, address societal problems in the Fort Worth community, and prepare the next generation of physicians to provide care as delivery is informed by technologies, therapies and approaches even yet to be imagined.

WHEREAS, the type of collaboration sought by TCU and UNTHSC is unique and the Institutions commit to work with the Accrediting Bodies and the Texas State Higher Education Coordinating Board to ultimately achieve their vision.

WHEREAS, the Institutions entered into a Collaboration Agreement dated effective February 25, 2016 ("Original Collaboration Agreement"), to set forth their initial understanding concerning their collaborative development and operation of the School of Medicine, and now pursuant to this Agreement, seek to amend the terms the Original Collaboration Agreement to provide for the initial development, management and operation of the School of Medicine under a structure currently accepted by the Accrediting Bodies and the Texas State Higher Education Coordinating Board to facilitate the initial accreditation and approval of the School of Medicine by the same. Under such structure, initially (a) TCU will develop and operate the School of Medicine with collaborative support from UNTHSC as contemplated in this Agreement, (b) the School of Medicine will be governed by the Board of Trustees of TCU and (c) the Degree will be conferred by TCU.

WHEREAS, this Agreement sets forth the strengths of the vision of the Institutions, and will guide and direct TCU and UNTHSC with respect to their collaboration, and working arrangements and subsequent agreements in furtherance thereof, to develop the School of Medicine to provide high quality learning experiences for Students through a unique and collaborative education ecosystem.

WHEREAS, the Institutions agree that this Agreement will supersede in all respects the Original Collaboration Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants set forth in this Agreement and for other good and valuable consideration, the adequacy, receipt and sufficiency of which are hereby acknowledged, the Institutions hereby agree as follows:

ARTICLE I DEFINITIONS

- 1.01 <u>DEFINITIONS</u>. For purposes of this Agreement, capitalized words used in this Agreement will have the meanings set forth below unless otherwise specified or a different meaning or intent clearly appears from the context.
 - "Accrediting Body" means either, as applicable, LCME or SACSCOC.
 - "Accrediting Bodies" means LCME and SACSCOC, collectively.
 - "Agreement" means this Amended and Restated Collaboration Agreement as the same may be amended from time to time in accordance with its terms.

- "Annual Gifts Fund" has the meaning contemplated at Section 3.04 of this Agreement.
 - "Chief Financial Officer" means the chief financial officer of TCU.
 - "Claim" has the meaning set forth at Section 5.01(a) of this Agreement.
- "Confidential Information" has the meaning set forth at $\underline{\text{Section 7.02}}$ of this Agreement.
 - "Curriculum" means the educational curriculum of the School of Medicine.
 - "Dean" means the Dean of the School of Medicine.
 - "Degree" means the School of Medicine M.D. degree.
- "Dispute" means any and all unresolved issues or decisions, questions, claims, controversies or disputes arising out of or relating to this Agreement, and the validity, construction, meaning, performance, effect, breach or Material Breach of this Agreement.
- "Distributable Amounts" has the meaning set forth at Section 3.05(d) of this Agreement.
 - "Effective Date" means September 29, 2017.
- "Endowment and Cash Management Agreement" has the meaning contemplated at Section 3.02 of this Agreement.
- "Endowment Payout Fund" has the meaning contemplated at Section 3.05(d) of this Agreement.
- "Facilities" includes, but is not limited to, administration offices, research facilities, clinical facilities, classrooms, laboratories, libraries and Student space.
 - "Faculty" means faculty of the School of Medicine.
 - "First Institution" has the meaning set forth at Section 4.04 of this Agreement.
- "Fiscal Year" means the twelve-month period beginning June 1 to May 31: provided, however, the final Fiscal Year is the period commencing on the last June 1 prior to the termination of this Agreement following the Wind Down Period and continuing through the termination of this Agreement following the Wind Down Period.
- "Governmental Authority" means all agencies, authorities, bodies, boards, commissions, courts, instrumentalities, legislatures and offices of any nature of any federal, state, county, district, municipal, city, foreign or other government or quasi-

governmental unit or political subdivision, including, without limitation, the Accrediting Bodies.

"Initial Term" has the meaning set forth at Section 4.01 of this Agreement.

"Institution" and "Institutions" have the meaning set forth in the Recitals.

"Investment Assets" means the publicly traded common stocks and other equities, bonds and other debt instruments and cash and cash equivalents that are held and managed solely by TCU as part of the Medical School Endowment.

"Investment Returns" has the meaning set forth at Section 3.05 of this Agreement.

"LCME" means the Liaison Committee on Medical Education.

"Legal Requirements" means all statutes, ordinances, Bylaws, codes, rules, regulations, restrictions, orders, judgments, writs, injunctions, decrees, determinations or awards of any Governmental Authority having jurisdiction over it, its assets or operations.

"Master Agreement" has the meaning set forth at Section 8.04 of this Agreement.

"Material Breach" means a breach that (a) materially and substantially affects the ability of an Institution to perform its obligations under this Agreement, (b) materially and substantially interferes with the goals and underlying objectives of the School of Medicine and the Agreement or the collaboration between the Institutions or (c) constitutes a material and substantial failure to perform a material obligation under this Agreement.

"Medical School Endowment" has the meaning set forth at Section 3.05 of this Agreement.

"Medical School Funds" means any and all funds held for the sole benefit and operation of the School of Medicine. The term "Medical School Funds" will not include the TCU Endowment Contribution but will include the TCU Endowment Payout Support.

"Notice of Dispute Resolution Process" has the meaning set forth at <u>Section</u> 4.04(b) of this Agreement.

"Notice of Material Breach" has the meaning set forth at Section 4.04(a) of this Agreement.

"Original Collaboration Agreement" means the Collaboration Agreement entered into by the Institutions effective February 25, 2016.

- "Other Institution" has the meaning set forth at Section 4.04 of this Agreement.
- "Permanently Restricted" has the meaning contemplated at <u>Section 3.02</u> of this Agreement.
- **"SACSCOC"** means Southern Association of Colleges and Schools: Commission on Colleges.
- "School of Medicine" means the allopathic medical school in Fort Worth to be developed by TCU with collaborative support from UNTHSC, as more particularly described herein.
 - "Student" or "Students" means a student or students of the School of Medicine.
 - "TCU" means Texas Christian University.
- "TCU Endowment Contribution" has the meaning set forth at Section 3.05 of this Agreement.
- "TCU Endowment Payout Support" has the meaning set forth at Section 3.05(a) of this Agreement.
- "TCU Permanent Fund" has the meaning contemplated at <u>Section 3.05</u> of this Agreement.
- "Temporarily Restricted" has the meaning contemplated at <u>Section 3.02</u> of this Agreement.
- "Tuition and Fees Fund" has the meaning contemplated at Section 3.03 of this Agreement.
 - "Unrestricted" has the meaning contemplated at Section 3.02 of this Agreement.
 - "UNTHSC" means University of North Texas Health Science Center.
 - "UNTHSC Foundation" means the UNTHSC Foundation.
 - "UNTS" means University of North Texas System.
- "Wind Down Period" means the five-year wind down period contemplated at Section 4.06 of this Agreement.

ARTICLE II SCHOOL OF MEDICINE

2.01 <u>DEVELOPMENT</u>. TCU will develop and operate the School of Medicine with collaborative support from UNTHSC as contemplated in this Agreement.

- 2.02 GOVERNANCE. The School of Medicine will be governed by the Board of Trustees of TCU. The Board of Trustees of TCU have delegated the management of the School of Medicine to the Chancellor of TCU who has in turn delegated authority to the Provost of TCU.
- <u>DEAN</u>. The Dean will exercise all power and authority as is required of a dean by the Accrediting Bodies. Consistent with the foregoing and subject to oversight by the Provost of TCU, the Dean is the Chief Academic Officer of the School of Medicine with authority over all elements of the School of Medicine education program. The Dean will perform those duties customarily performed by a dean of an allopathic medical school, including, but not limited to: (a) designing, implementing, managing, and evaluating the School of Medicine's educational program as a whole; (b) developing the Curriculum and facilitating change when modifications to the Curriculum are determined to be necessary; (c) recommending the hiring of School of Medicine faculty and staff; (d) supervising and assessing the adequacy of the performance of the School of Medicine faculty and staff; (e) facilitating the implementation of the Curriculum in collaboration with the School of Medicine faculty and staff; (f) making recommendations to the Provost for the appointment of such Associate and Assistant Deans, department chairs, leaders of other organizational units and staff as are necessary to accomplish the School of Medicine's vision, mission and short-term and long-term plans; (g) exercising managerial supervision over the implementation of the educational and School of Medicine faculty research programs; (h) evaluating and making recommendations regarding Facilities and equipment needs of the School of Medicine; (i) developing and expanding relationships in the community; (j) assisting with the development of philanthropy; (k) fostering the expansion of relationships with hospitals. healthcare delivery sites across the care continuum and physicians in the community; and (1) fostering collaboration and efficiency with all other health, science, and pre-med programs of the Institutions. Notwithstanding the responsibilities of other persons in the School of Medicine faculty and staff, the Dean will ultimately be responsible to assure educational program quality. Annually, the Dean, in conjunction with the Chief Financial Officer, will prepare a budget for the School of Medicine's upcoming budget period operations ultimately to be approved by TCU. The Dean will have primary authority to operate the School of Medicine in accordance with the approved budget. The Dean will report to the Provost of TCU during his or her employment. The Dean will be an employee of TCU.
 - 2.04 <u>DEGREE</u>. The Degree will be conferred by TCU.
- 2.05 <u>ACCREDITATION</u>. TCU will initiate and take all steps necessary for licensure, accreditation and approval of the School of Medicine, including, without limitation, accreditation by the Accrediting Bodies.
- 2.06 NAME. It is anticipated that a naming gift will be received from a donor, and that the name of the School of Medicine will include the name of both Institutions, and may be similar to "_____ Medical School at TCU and UNTHSC." The name of the School of Medicine will not be thereafter changed for so long as this Agreement remains in effect without the express written consent of the Institutions.
- 2.07 RESPONSIBILITIES OF THE SCHOOL OF MEDICINE. The Institutions acknowledge the following:

- (a) The School of Medicine will provide Students, and Faculty where applicable, access to appropriate resources for medical school education.
- (b) The School of Medicine will be responsible for the medical education program, Student affairs and the selection and assessment of Students.
- (c) The Dean of the School of Medicine, as delegated by the TCU Provost, will be responsible for the appointment, development and assignment of Faculty with responsibility for teaching Students.
- (d) TCU will be responsible for treatment and follow up when a Student is exposed to an infectious or environmental hazard or other occupational injury.
- (e) The School of Medicine and its affiliates will bear shared responsibility for creating and maintaining an appropriate learning environment, with the School of Medicine responsible for ongoing monitoring.
- (f) The School of Medicine will not discriminate against any employee, applicant or Student because of age, creed, gender identity, national origin, race, sex, sexual orientation or any other basis protected by law.
- 2.08 ACCESS TO RESOURCES FOR EDUCATION. To accomplish item (a) of Section 2.07 of this Agreement, TCU will provide the resources identified in this Section 2.08 for the School of Medicine at a minimum. TCU may collaborate with UNTHSC for UNTHSC to provide such resources. In such case, the manner in which UNTHSC will assist TCU may be the subject of one or more separate agreements between the Institutions that they may mutually determine to be necessary. Item (c) of this Section 2.08 is more particularly addressed at Section 2.15 of this Agreement. Item (e) of this Section 2.08 is more particularly addressed at Section 2.14 of this Agreement. Separate agreements are anticipated to be completed on or before February 1, 2018.
 - (a) Student services (e.g. Student health, wellness counseling and support services, tutoring and academic support services, etc.).
 - (b) Library resources (e.g., onsite/remote access to collections, evidence-based medicine/research support services, access support services, etc.).
 - (c) Facilities and equipment.
 - (d) Faculty with joint appointments in both TCU and UNTHSC.
 - (e) IT access (e.g., educational support technologies, email, Curriculum support platforms, general communications platforms, etc.).
 - (f) Staff support to Students and Faculty.
 - (g) Faculty development programs.

- (h) Research opportunities.
- (i) Inter-professional education opportunities (e.g., participation in opportunities for education experiences with inter-professional healthcare providers, and other professionals that contribute to the academic environment).
- 2.09 <u>ACCESS TO ADDITIONAL RESOURCES FOR EDUCATION</u>. The School of Medicine will maintain a positive, respectful and adequately resourced learning environment so that sound educational experiences can occur. To that end, TCU will provide Students and Faculty with access to appropriate resources for Student education including, but not limited to, the following:
 - (a) Access to Facilities in an appropriately supervised environment, in which the Students can complete the School of Medicine's Curriculum.
 - (b) Student security badges or other means of secure access to required areas.
 - (c) Access and required training for Students in the proper use of all forms of electronic records, medical records or paper charts, as applicable.
 - (d) Computer access.
 - (e) Secure storage space for Students' personal items.
 - (f) Access to lounge space and/or call rooms, if necessary.

TCU may collaborate with UNTHSC for UNTHSC to provide such resources. In such case, the manner in which UNTHSC will assist TCU may be the subject of one or more separate agreements between the Institutions that they may mutually determine to be necessary.

- 2.10 <u>ADDITIONAL RESPONSIBILITIES OF THE SCHOOL OF MEDICINE</u>. The Institutions also acknowledge the following:
 - (a) The Dean and Faculty will plan and determine the adequacy of the educational experience of the Students in theoretical background, basic skill, professional ethics, attitude and behavior.
 - (b) The Dean will retain ultimate authority for the education and assessment of its Students.
 - (c) The School of Medicine will ensure that Students are familiar with and in compliance with all applicable credentialing requirements (e.g., HIPAA, immunizations, criminal background, drug screening, etc.).
 - (d) The School of Medicine will advise Students that they are required to comply with the rules, regulations, policies and procedures of the School of Medicine and TCU.

- (e) The School of Medicine will provide instruction to Faculty and School of Medicine staff with respect to the School of Medicine's expectations regarding assessment of the Students.
- 2.11 <u>LEARNING ENVIRONMENT</u>. As indicated at <u>Section 2.08</u> of this Agreement, the Dean and Faculty of the School of Medicine and academic and clinical affiliates are responsible for creating an appropriate learning environment that includes both formal learning activities and the attitudes, values and informal "lessons" conveyed by individuals who interact with the Students. The Dean, Faculty, academic and clinical affiliates and Students will cooperate to evaluate the learning environment to identify positive and negative influences on the maintenance of professional standards and to conduct and develop appropriate strategies to enhance the positive and mitigate the negative influences. Students will be required to adhere to the expectations set forth in **Exhibit "A."**
- 2.12 <u>STUDENT POLICIES AND PROCEDURES</u>. The Dean, in consultation with the Provost of TCU, and with Faculty involvement will establish and maintain policies and procedures distinct for School of Medicine Students, which may include, but not be limited to: (a) Student code of conduct; (b) Student orientation; (c) Student assessment, advancement and dismissal; (d) Student disciplinary action and appeal mechanisms; and (e) systems for addressing allegations of Student mistreatment.
- 2.13 <u>ADMISSIONS</u>. The Dean and a committee of the Faculty will develop (and revise from time to time as may be desired or needed) requirements and criteria for admission to the School of Medicine and an application procedure consistent with other national medical education programs. The School of Medicine's admissions committee will have final authority for all admissions decisions. Students admitted to the School of Medicine will also be admitted to UNTHSC as non-degree seeking students.
- 2.14 <u>STUDENT RECORDS</u>. Student records will be maintained by the TCU Registrar. As indicated at <u>Section 2.08</u> of this Agreement, TCU may seek UNTHSC's assistance in providing information technology services, support and maintenance regarding student records connected to services provided on UNTHSC's campus. In such case, TCU and UNTHSC will enter into a separate agreement regarding UNTHSC's provision of such services.
- 2.15 <u>FACILITIES</u>. It is anticipated that components of the Curriculum will be offered at the campuses of both Institutions. UNTHSC commits to providing an in-kind contribution of classroom, laboratory, clinical training, research and Student services space as necessary for the School of Medicine to achieve its educational, clinical and research missions. TCU and UNTHSC will develop a space utilization plan for utilization of the Facilities at TCU and UNTHSC for the School of Medicine through the Fiscal Year ending 2028. TCU and UNTHSC will hereafter enter into a facilities use agreement with respect to TCU and UNTHSC Facilities to be utilized for the School of Medicine through the Fiscal Year ending 2028. Thereafter, each Fiscal Year, the Dean will consider the existing space utilization plan for utilization of the Facilities at the TCU and UNTHSC campuses for the School of Medicine and modify such space utilization plan as needed. Following the development and approval of any modified space utilization plan, the Institutions will revise their respective facilities use agreements, as needed.

ARTICLE III FINANCIAL MATTERS

- 3.01 MEDICAL SCHOOL FUNDS. Except as otherwise provided in this Agreement, all funds held for the benefit of the School of Medicine will be held in private financial accounts managed and administered by TCU for the benefit of the School of Medicine. If funding from the State of Texas is subsequently received to support the School of Medicine, state funds will be held, managed, invested, and distributed for the sole benefit and operation of the School of Medicine in accordance with guidelines established by the State of Texas and in accordance with this Agreement and, if necessary, further agreement of the Institutions.
- SOURCES AND CLASSIFICATION OF MEDICAL SCHOOL FUNDS. The anticipated sources of Medical School Funds. include, but are not limited to: (a) tuition and fees, (b) donor contributions, (c) research grants, contracts and indirect cost recovery, (d) endowment payout, and (e) other revenues as may be realized over time, including revenues from clinical affiliates. The sources of Medical School Funds will not include contributions from UNTHSC. For purposes of this Agreement, Medical School Funds will be classified as (a) "Unrestricted," (b) "Temporarily Restricted" and (c) "Permanently Restricted," as those terms are defined by the Federal Accounting Standards Board. Separate funds (and any sub-funds of such separate funds) will be maintained and managed by TCU under each classification of Medical School Funds subject to the Endowment and Cash Management Agreement entered into by the Institutions: provided, however, as described in the last two sentences of this Section 3.02, Medical School Funds may be maintained in separate funds and managed by UNTHSC as contemplated in those sentences. Amounts received each Fiscal Year will be added to the appropriate fund when received. At the conclusion of each Fiscal Year, the total net assets of each separate fund will be determined. Research funding awarded to either Institution for the School of Medicine will be maintained and managed by the Institution receiving the research funding.
- 3.03 <u>TUITION AND FEES</u>. Tuition and fees will be classified as Unrestricted and allocated to the Tuition and Fees Fund.
- 3.04 <u>CONTRIBUTIONS TO THE SCHOOL OF MEDICINE</u>. TCU and UNTHSC will instruct donors to make contributions for the School of Medicine directly to TCU or UNTHSC Foundation. As further described in this <u>Section 3.04</u>, such contributions will be held and the investment of such funds will be managed by TCU for the benefit of the School of Medicine. Contributions will be classified as Unrestricted, Temporarily Restricted or Permanently Restricted consistent with the terms of the donor's contribution. Unrestricted annual gifts for the School of Medicine will be allocated to the Annual Gifts Fund. With respect to Temporarily Restricted and Permanently Restricted contributions, the documentation to be completed by the donor will provide an opportunity for the donor to designate how his, her or its contribution is to be utilized for the benefit of the School of Medicine and distributed to the extent any amount of the contribution remains in the event of a termination of this Agreement as contemplated at <u>Section 4.07</u> of this Agreement.
 - (a) <u>CONTRIBUTIONS FROM UNTHSC FOUNDATION</u>. Upon UNTHSC Foundation's receipt of any contribution to support the School of Medicine, UNTHSC Foundation will transfer the contribution to TCU for TCU to permanently include, invest

and hold among the Medical School Funds. With respect to any such contribution, UNTHSC Foundation will notify TCU of the classification and any restrictions imposed by the donor with respect to such contribution.

- (b) <u>CONTRIBUTIONS FROM TCU</u>. Upon TCU's receipt of any contribution to support the School of Medicine, TCU will transfer the contribution to permanently include, invest and hold among the Medical School Funds. With respect to any such contribution, TCU will notify UNTHSC of the classification and any restrictions imposed by the donor with respect to such contribution.
- (c) <u>SOURCE OF CONTRIBUTIONS</u>. Contributions for the School of Medicine will only be accepted from TCU, UNTHSC Foundation and private donors. Contributions from UNTHSC Foundation will have originated from private donors.
- (d) <u>TERMINATION</u>. As indicated in this <u>Section 3.04</u>, upon the termination of this Agreement, following the Applicable Wind Down Period, the contributions contemplated in this <u>Section 3.04</u> that are held by TCU among the Medical School Funds will be divided as described at Section 4.07 of this Agreement.
- (e) <u>DISTRIBUTIONS</u>. Contributions to the School of Medicine will be utilized for the School of Medicine as contemplated at <u>Sections 3.05</u> and 3.07 of this Agreement.
- ENDOWMENT. TCU will hold and solely manage any and every endowment fund which will be utilized for ongoing support of the School of Medicine (the "Medical School Endowment"). TCU will designate Fifty Million Dollars (\$50,000,000.00) of its funds to the Medical School Endowment (the "TCU Endowment Contribution") to be utilized for the benefit of the School of Medicine solely as TCU Endowment Payout Support subject to the provisions of this Section 3.05 below, and subject to Section 4.07(b)(i) of this Agreement. Subject to the provisions of this Section 3.05 below, the TCU Endowment Contribution will be allocated to a separate sub-fund of the Medical School Endowment to be referred to as the TCU Permanent Fund. It is contemplated that other endowment contributions to be made for the benefit of the School of Medicine will be made directly by the donors to TCU or UNTHSC Foundation; such endowment contributions will be held in one or more other sub-funds of the Medical School Endowment pursuant to investment management agreements to be entered into. Also, as may be determined from time to time, TCU may allocate certain other contributions, as may be provided for by donors, and other Medical School Funds to one or more sub-funds of the Medical School Endowment. The sub-funds of the Medical School Endowment may be invested with TCU's other endowment funds, and all investment income, including, without limitation, interest, dividends, royalties and rent, and all realized and unrealized gains and losses, net of all management fees and operational expenses permitted by the TCU Investment Policy, as may be amended from time to time, the investment management agreement(s) and the Endowment and Cash Management Agreement (the "Investment Returns"), attributable to the sub-funds of the Medical School Endowment will accrue to the respective sub-funds.
 - (a) <u>TCU PERMANENT FUND</u>. Each Fiscal Year, no more than five percent (5%) of the 12-quarter average market value of the Investment Assets as of December 31 of a particular fiscal year of the TCU Permanent Fund may be utilized for the School of

Medicine's purposes ("TCU Endowment Payout Support"), unless the TCU Board of Trustees has authorized an endowment payout rate to exceed such limit. The TCU Permanent Fund may consist of the TCU Endowment Contribution and Investment Returns attributable to the TCU Permanent Fund. In addition, TCU in its sole discretion may add any other funds allocated by TCU from its respective funds to the TCU Permanent Fund.

- (b) OTHER RESTRICTED OR TEMPORARILY RESTRICTED SUB-FUNDS. Except as the terms of a contribution may otherwise provide and subject to the provisions of Section 3.08 of this Agreement, each Fiscal Year no less than five percent (5%) of the 12-quarter average market value of the Investment Assets as of December 31 of a particular year of other Restricted or Temporarily Restricted sub-funds may be utilized for the School of Medicine's purposes, provided that such payouts are consistent with the Texas Uniform Prudent Management of Institutional Funds Act, or successor statute.
- (c) <u>UNRESTRICTED SUB-FUNDS</u>. Except as the terms of a contribution may otherwise provide and subject to the provisions of <u>Section 3.08</u> of this Agreement, each Fiscal Year no less than five percent (5%) of the 12-quarter average market value of the Investment Assets as of December 31 of a particular year of Unrestricted sub-funds may be utilized for the School of Medicine's purposes.
- (d) <u>ENDOWMENT PAYOUT FUND</u>. At the beginning of each Fiscal Year, the amounts permitted or elected to be utilized for the School of Medicine's purposes from the sub-funds of the Medical School Endowment (the "Distributable Amounts") will be allocated to the Endowment Payout Fund and paid out during the year in support of the School of Medicine's purposes. Although not required, at the end of each Fiscal Year, any unutilized amounts in the Endowment Payout Fund may be credited on a pro-rata basis to the various sub-funds in the Medical School Endowment based on the market value of each sub-fund on the last day of such Fiscal Year.
- 3.06 PRIORITY OF SPENDING. Each Fiscal Year, the priority of spending of the Medical School Funds for the benefit of the School of Medicine will be as follows:
 - (a) First Tuition and Fees Fund:
 - (b) Next Other Unrestricted Medical School Funds;
 - (c) Next Annual Gifts Fund;
 - (d) Next Other Unrestricted contributions:
 - (e) Next Endowment Payout Fund.

At the conclusion of each Fiscal Year, the Chief Financial Officer will true-up the respective net assets in each of the funds contemplated above, and thus rebalance the funds contemplated above, to ensure that the above funding prioritizations are maintained.

3.07 <u>INSUFFICIENT MEDICAL SCHOOL FUNDS TO SATISFY SPENDING</u>. In the event the assets in the funds contemplated in <u>Section 3.06</u> above are insufficient to satisfy the spending required in a particular Fiscal Year, subject to the availability of funds as may be determined by the TCU Chief Investment Officer in conjunction with the Chief Financial Officer, amounts from

the Medical School Endowment sub-funds, exclusive of the TCU Permanent Fund, greater than the Distributable Amounts may be utilized to satisfy the deficiency. Such amounts utilized will be debited on a pro-rata basis from the various sub-funds of the Medical School Endowment, exclusive of the TCU Permanent Fund.

ARTICLE IV TERM; TERMINATION; WIND DOWN PROCESS; REMEDIES

- 4.01 <u>TERM.</u> The initial term of this Agreement is fifty (50) years from the Effective Date ("Initial Term"), unless terminated earlier pursuant to the provisions of this Article.
- 4.02 <u>Subsequent Terms</u>. Following the expiration of the Initial Term, this Agreement will automatically extend for additional successive twenty-five (25) year terms unless an Institution provides to the other Institution a written notice of termination no later than seven (7) years prior to the expiration of the then current term (including the Initial Term).
- 4.03 <u>TERMINATION BY MUTUAL AGREEMENT</u>. The Institutions may terminate this Agreement at any time by mutual written agreement on the terms and effective as of the date stipulated therein.
- 4.04 TERMINATION FOR MATERIAL BREACH. An Institution ("First Institution") may terminate this Agreement if (a) the other Institution ("Other Institution") commits a Material Breach of this Agreement and fails to cure such Material Breach as described at paragraph (a) below and (b) the First Institution complies with the terms of this Section 4.04 and the dispute resolution process set forth at Section 4.05 below.
 - (a) NOTICE. If the First Institution believes that the Other Institution has committed a Material Breach, the First Institution must provide to the Other Institution a written notice of the alleged Material Breach ("Notice of Material Breach"). If there is not a Dispute regarding the occurrence of a Material Breach, the Other Institution must immediately cure or initiate action that will cure the Material Breach within thirty (30) days after receipt of the Notice of Material Breach, or such longer period of time as may be reasonably necessary to cure any such Material Breach not reasonably susceptible to cure within such thirty (30) day period so long as the Other Institution diligently and continuously exercises reasonable efforts to cure and will in fact cure such Material Breach within a reasonable period of time.
 - (b) <u>DISPUTE RESOLUTION</u>. If there is a Dispute regarding the occurrence of a Material Breach or whether a Material Breach has been satisfactorily cured, the Other Institution must provide written notice stating such fact to the First Institution within ten (10) business days after the receipt of the Notice of Material Breach ("Notice of Dispute Resolution Process") or the allegation that the Material Breach has not been properly cured. Thereafter, the Institutions will immediately initiate and in good faith seek to complete the dispute resolution process set forth at Section 4.05 of this Agreement.
 - (c) <u>RIGHT OF TERMINATION</u>. Subject to <u>Section 4.06</u> of this Agreement below, if the Institutions are unable to resolve the Dispute through the dispute resolution process

and if the Material Breach has not been cured as contemplated by <u>Section 4.04(b)</u> of this Agreement, at any time following completion of the dispute resolution process set forth at <u>Section 4.05</u> of this Agreement, the First Institution may terminate this Agreement upon thirty (30) days' notice to the Other Institution.

(d) OTHER REMEDIES. Notwithstanding anything to the contrary in this Agreement, the First Institution will maintain and be able to assert all other legal remedies against the Other Institution as a result of a Material Breach by the Other Institution or any other kind of default, breach or violation of this Agreement by the Other Institution, including the right to seek injunctive or other emergency relief.

4.05 DISPUTE RESOLUTION PROCESS.

- (a) <u>NEGOTIATION</u>. If at any time there is an unresolved Dispute between the Institutions, within ten (10) business days following receipt of the Notice of Dispute Resolution Process, the Institutions will engage in good faith face-to-face negotiations in an attempt to resolve the Dispute with the appropriate officials from each Institution with the authority to resolve such dispute in attendance. If, after a four (4) week period during which the Institutions have engaged in such negotiations, the Institutions have not negotiated a resolution, the Institutions will choose a mutually agreeable neutral third party who will mediate the Dispute pursuant to <u>Section 4.05(b)</u> of this Agreement.
- (b) MEDIATION. The Institutions will agree upon a mutually satisfactory mediator who will be qualified under the Texas Alternative Dispute Resolution Procedures Act (as it may be amended from time to time) or the rules and procedures of the American Health Lawyers Association Alternative Dispute Resolution Service (or any successor organization). If the Institutions are unable to agree upon a mutually satisfactory mediator, a mediator will be chosen pursuant to the rules and procedures of the American Health Lawyers Association Alternative Dispute Resolution Service (or any successor organization). The Institutions will participate in the mediation in good faith in accordance with the recommendations of the mediator and will follow the procedures for mediation as suggested by the mediator. Mediation will be non-binding and confidential to the extent permitted by law. The Institutions will share the expenses of mediation equally.

4.06 WIND DOWN.

(a) <u>WIND DOWN PERIOD</u>. Notwithstanding anything to the contrary in this Agreement, the final termination of this Agreement is subject to the wind down provisions set forth at this <u>Section 4.06</u> of this Agreement. If an Institution provides a written notice of termination as contemplated at <u>Section 4.02</u> of this Agreement, wind down operations must begin five (5) years prior to the scheduled termination date of the Agreement and the Agreement will end contemporaneously with the termination of this Agreement. Otherwise, this Agreement will continue for a minimum period of five (5) years beyond the date this Agreement would terminate (i.e., pursuant to <u>Section 4.04</u> of this Agreement) to facilitate the orderly continuation of the School of Medicine programs

and services (i.e., graduation, transfer, withdrawal, or teach-out of Students participating in or accepted for participation in the School of Medicine programs).

- (b) <u>CONTINUED APPLICATION OF TERMS OF AGREEMENT</u>. All terms and provisions of the Agreement will continue to apply during the Wind Down Period.
- (c) <u>CONTINUED PROGRAMS AND ACTIVITIES.</u> During the Wind Down Period, all of the programs and activities of the School of Medicine needed for the then existing Students to fulfill graduation requirements will continue. During the Wind Down Period, the Institutions will continue to support the School of Medicine and its programs and activities to the same extent as immediately prior to the Wind Down Period.
- 4.07 <u>TERMINATION DIVISION OF MEDICAL SCHOOL FUNDS</u>. Upon termination of this Agreement, following the applicable Wind Down Period, the Medical School Funds will be divided as hereinafter described following the satisfaction of all liabilities and obligations of the School of Medicine in accordance with the priority of spending as identified at <u>Section 3.06</u> of this Agreement.
 - (a) <u>UNRESTRICTED ASSETS</u>. To the extent Unrestricted assets remain, Unrestricted assets will be divided equally between TCU and UNTHSC Foundation. Unrestricted assets will not include the TCU Permanent Fund.
 - (b) TEMPORARILY RESTRICTED ASSETS AND RESTRICTED ASSETS. To the extent Temporarily Restricted assets and Restricted assets remain, such will be distributed consistent with donors' restrictions and directives made at the time the contribution was received regarding how donors' contributions are to be distributed in the event of a termination of the Agreement. To the extent Temporarily Restricted assets and Restricted assets remain following such distribution, the Temporarily Restricted assets and Restricted assets will be divided equally between TCU and UNTHSC Foundation unless the restrictions or temporary restrictions require otherwise.
 - (i) <u>TCU PERMANENT FUND</u>. Notwithstanding anything to the contrary in this Agreement, the TCU Permanent Fund will not be divided and will belong solely to TCU.
- 4.08 REMEDIES IN THE EVENT OF MATERIAL BREACH. Each Institution recognizes that the performance of its obligations under this Agreement are special, unique and extraordinary in character. Both Institutions stipulate and agree that the unique nature of this Agreement and the reputational and good will losses that would be occasioned as a result of the failure of the other Institution to perform all of its obligations under this Agreement mean that money damages would not be sufficient to compensate either Institution in the event of a Material Breach. Instead, the Institutions agree and stipulate that injunctive relief and/or specific performance as ordered by a Court of competent jurisdiction would be appropriate for any such Material Breach. Each Institution agrees that any such equitable relief for a Material Breach should be awarded without the need for any bond or financial assurance otherwise required by applicable law.

ARTICLE V RISK MANAGEMENT

- 5.01 <u>RISK MANAGEMENT</u>. The Institutions recognize that during the term of this Agreement and thereafter, certain risk management issues, legal issues, claims or actions may arise which involve or could potentially involve the Institutions and their respective directors, trustees, officers, employees, agents, volunteers and servants. The Institutions further recognize the common interest both Institutions have in such risk management and the importance of cooperating with each other in good faith when such issues, claims or actions arise, to the extent that such cooperation does not violate any applicable laws, cause the breach of any duties created by any policies of insurance, or otherwise compromise the confidentiality of communications or information. Accordingly:
 - (a) Each Institution agrees to notify the other Institution within ten (10) days of its receipt of any lawsuits, claims, or notices of intent to file a lawsuit; investigations or inquiries by Accrediting Bodies; or investigations or inquiries by the State or Federal government in each that that could reasonably be anticipated to impact the School of Medicine or otherwise relate to the activities contemplated by this Agreement (any such, a "Claim").
 - (b) Each Institution agrees to provide the other Institution with reasonable access to and copies of all records, subject to applicable confidentiality laws, which impact in any manner upon any Claim against the other Institution.
 - (c) Where the Institutions are named joint defendants in any Claim, it is the intent of the Institutions to cooperate and coordinate in the areas of risk management and control, claims investigation and litigation to the extent practicable and within appropriate considerations of and defense.
 - (d) If the Institutions are joint defendants in any Claim and are held to be jointly liable for negligent or intentional acts, then each Institution will contribute to the amount paid for such losses, damages, claims or fines (but not expenses, which will be borne by the Institution incurring such expenses) in proportion as is appropriate to reflect the liability of each Institution as determined by the court, governmental body, arbitrator(s) or other body adjudicating such Claim or the relative contribution between the Institutions.
 - (e) For all communications, joint actions and/or sharing of information under this <u>Section 5.01</u>, the Institutions agree to keep confidential all such communications, joint actions and/or information exchanged.
- 5.02 <u>INSURANCE REQUIRED BY TCU</u>. It is anticipated that TCU will acquire additional insurance coverage to cover its activities with respect to the School of Medicine. TCU will be reimbursed from Medical School Funds the amount representing the premiums attributable to such additional insurance coverage.

ARTICLE VI REPRESENTATIONS AND WARRANTIES; COVENANTS

6.01 REPRESENTATIONS AND WARRANTIES OF TCU.

- (a) <u>POWER</u>. TCU has the requisite power and authority to enter into this Agreement and to perform its obligations hereunder. The execution, delivery and performance by TCU of this Agreement are within its corporate powers and are not in contravention of the terms of its Certificate of Formation or Bylaws, as amended to date, and have been approved by all requisite corporate action.
- (b) <u>BINDING AGREEMENT</u>. This Agreement and all instruments and agreements hereunder to which TCU is a party, or becomes a party by its subsequent execution thereof, will be valid and legally binding obligations of TCU, enforceable against it in accordance with the respective terms hereof and thereof.
- (c) No Conflict with Agreements or Laws. Neither the execution and delivery of this Agreement nor the performance of the activities contemplated herein by TCU will (i) violate or constitute a default under any contract, lease, agreement, mortgage, deed of trust, license or other instrument, or any order, judgment or ruling of any Governmental Authority to which TCU is a party or by which TCU is bound, or (ii) require any consent, approval, filing or notice under any provision of law, statute, rule or regulation applicable to TCU.

6.02 REPRESENTATIONS AND WARRANTIES OF UNTHSC.

- (a) <u>POWER</u>. UNTHSC has the requisite power and authority to enter into this Agreement and to perform its obligations hereunder. The execution, delivery and performance by UNTHSC of this Agreement are within its powers, are not in contravention of its constitutional and statutory authority, and have been approved by all requisite action.
- (b) <u>BINDING AGREEMENT</u>. This Agreement and all instruments and agreements hereunder to which UNTHSC is a party, or becomes a party by its subsequent execution thereof, will be valid and legally binding obligations of UNTHSC, enforceable against it in accordance with the respective terms hereof and thereof.
- (c) No Conflict with Agreements or Laws. Neither the execution and delivery of this Agreement nor the performance of the activities contemplated herein by UNTHSC will (i) violate or constitute a default under any contract, lease, agreement, mortgage, deed of trust, license or other instrument, or any order, judgment or ruling of any Governmental Authority to which UNTHSC is a party or by which UNTHSC is bound, or (ii) require any consent, approval, filing or notice under any provision of law, statute, rule or regulation applicable to UNTHSC, except as may be set forth in this Agreement. To the fullest extent permitted by law, UNTHSC fully intends to waive any claim of immunity otherwise applicable to any claim of breach of this Agreement.

6.03 <u>COVENANTS OF TCU</u>.

- (a) <u>MAINTENANCE OF ORGANIZATION</u>. TCU will continue to be duly organized and validly existing and in good standing under the laws of the State of Texas.
- (b) <u>ABSENCE OF CONFLICTS</u>. TCU will not permit, cause to occur or agree to any limitation or restriction on the conduct of its operations or its obligations under or reasonably contemplated under this Agreement.
- (c) <u>LEGAL AND REGULATORY COMPLIANCE</u>. TCU will conduct its operations, including, without limitation, the performance of its obligations under this Agreement, in material compliance with all Legal Requirements and will timely file all material reports, data and other information required to be filed with Governmental Authorities.
- (d) PERMITS AND LICENSES; ACCREDITATION. TCU will obtain and maintain in good standing and full force and effect all material licenses and permits required in the operations of TCU. TCU Facilities will be, at all times during the term of this Agreement, in compliance with all applicable accreditation requirements, and TCU will not permit any provisions in or agreements relating to any such accreditations which would preclude or limit the operation of the School of Medicine as contemplated under this Agreement. TCU will take all steps reasonably necessary to correct all deficiencies noted in any report of an Accrediting Body or licensing agency.

6.04 COVENANTS OF UNTHSC.

- (a) ABSENCE OF CONFLICTS. UNTHSC will not permit, cause to occur or agree to any limitation or restriction on the conduct of its operations or its obligations under or reasonably contemplated under this Agreement.
- (b) <u>LEGAL AND REGULATORY COMPLIANCE</u>. UNTHSC will conduct its operations, including, without limitation, the performance of its obligations under this Agreement, in material compliance with all Legal Requirements and will timely file all material reports, data and other information required to be filed with Governmental Authorities.
- (c) <u>PERMITS AND LICENSES; ACCREDITATION</u>. UNTHSC will obtain and maintain in good standing and full force and effect all material licenses and permits required in the operations of UNTHSC. UNTHSC Facilities will be, at all times during the term of this Agreement, in compliance with all applicable accreditation requirements, and UNTHSC will not permit any provisions in or agreements relating to any such accreditations which would preclude or limit the operation of the School of Medicine as contemplated under this Agreement. UNTHSC will take all steps reasonably necessary to correct all deficiencies noted in any report of an Accrediting Body or licensing agency.

ARTICLE VII CONFIDENTIALITY

- 7.01 <u>AGREEMENT</u>. To the extent permitted by law, the Institutions agree to keep the contents of this Agreement confidential and not to disclose such contents to any third party without the written consent of the other Institution unless required by law or for regulatory or accreditation purposes. Yet, either Institution may disclose to any third party that the Agreement exists.
- 7.02 CONFIDENTIAL INFORMATION. The Institutions acknowledge that in connection with the performance of their respective responsibilities under this Agreement, an Institution may obtain certain confidential information and trade secrets of the other Institution which may include, but not be limited to, budgets, strategic plans, financial statements, internal memoranda, technology, and other materials, records and/or information of a proprietary nature ("Confidential Information"). Neither Institution will use the Confidential Information of the other Institution except in connection with the performance of its responsibilities under this Agreement. Likewise, neither Institution will divulge the Confidential Information to a third party unless the other Institution consents in writing or such use or disclosure is required by law. Upon termination of this Agreement following the applicable Wind Down Period, an Institution will not take or retain any Confidential Information (or copies thereof) of the other Institution except as required by law. Without limiting other possible remedies for the breach of this covenant, the Institutions agree that, to the extent allowed by law, the aggrieved Institution will be entitled to specific performance and injunctive relief, without bond or other security, and without proof of actual damages, to enforce this provision.
- 7.03 REQUEST FOR INFORMATION. UNTHSC will provide written notice to TCU as soon as reasonably possible if it receives any request or demand under the Texas Public Information Act from a third party for any TCU Confidential Information. In addition, UNTHSC will, to the maximum extent permitted by law, assist and cooperate with TCU if TCU desires to assert that any such TCU Confidential Information should not be disclosed to such third party. In the event an Institution, or any of its representatives, is legally compelled to disclose any Confidential Information, prior to such disclosure, it will provide the other Institution with advance written notice and a copy of the documents and information sought to be disclosed, so that the Institution may seek a protective order or other appropriate remedy to protect its interests in the Confidential Information, and the Institution will furnish only that portion of the Confidential Information that it is advised by a written opinion of legal counsel that it is required to disclose.

ARTICLE VIII MISCELLANEOUS

8.01 NOTICE. All notices and other communications which are required or are permitted to be given under this Agreement must be in writing and will be deemed to have been duly given upon the delivery or receipt thereof, as the case may be, if delivered personally, sent by expedited mail pursuant to a nationally recognized mail service or via facsimile transmission. Said notice must be made at the appropriate address or facsimile number for the respective party as follows:

TCU: Texas Christian University

2800 South University Drive

P.O. Box 297401

Fort Worth, Texas 76129

Attention: Board Chair and Chancellor

Facsimile: (817) 257-7373

With a copy to:

Kelly Hart & Hallman LLP 201 Main Street, Suite 2500 Fort Worth, Texas 76102 Facsimile: (817) 878-9280 Attention: Dee J. Kelly, Jr.

UNTHSC: University of North Texas Health Science Center

> 3500 Camp Bowie Boulevard Fort Worth, Texas 76107 Attention: President

Facsimile: (817) 735-2486

University of North Texas System 1901 Main Street, Suite 700

Dallas, Texas 75201 Attention: Board Chair Facsimile: (214) 752-8827

With a copy to:

Vice Chancellor and General Counsel University of North Texas System

1900 Main Street, Suite 700 Dallas, Texas 75201

Facsimile: (214) 752-8827 Attention: Nancy S. Footer

Notices personally delivered are deemed effective upon receipt. Notices delivered by mail will be effective five (5) days after mailing. Notices sent via facsimile with a return receipt are deemed effective upon receipt; provided, however, if the transmission is received after 5:00 p.m. in the recipient party's time zone on a weekday, or on a nationally recognized holiday or during the weekend, said notice will not be effective until the following business day.

ASSIGNMENT. This Agreement will inure to the benefit of and be binding upon the Institutions and their respective successors and assigns; provided, however, this Agreement may not be assigned by either Institution without the prior written consent of the other Institution.

- 8.03 <u>SEVERABILITY</u>. If any provision of this Agreement is held to be invalid, illegal or unenforceable for any reason and in any respect, such invalidity, illegality or unenforceability thereof will not affect the remainder of this Agreement, which will be in full force and effect, enforceable in accordance with its terms.
- 8.04 ENTIRE AGREEMENT. This Agreement will supersede in all respects the Original Collaboration Agreement. This Agreement and any other agreements not otherwise superseded between the Institutions contemplated in this Agreement together constitute a "Master Agreement" between the Institutions which represents the final agreement between the Institutions and may not be contradicted by evidence of prior, contemporaneous or subsequent oral agreements of the Institutions. There are no unwritten oral agreements between the Institutions. A Material Breach of any agreement included within the term Master Agreement is deemed a Material Breach of this Agreement; therefore, an Institution may declare a Material Breach hereunder and will be entitled to exercise any right or remedy with respect to this Agreement, including, without limitation, the right to terminate this Agreement pursuant to the provisions of Article V of this Agreement.
- 8.05 AGREEMENT REGARDING IMMUNITY. TO THE FULLEST EXTENT ALLOWED BY LAW. UNTHSC HEREBY RELINQUISHES AND WAIVES ANY AND ALL RIGHTS TO IMMUNITY FROM LIABILITY, SOVEREIGN OR OTHERWISE, IF ANY (INCLUDING ANY DEFENSES RELATED THERETO), IN CONNECTION WITH ANY AND ALL OBLIGATIONS CREATED UNDER THE MASTER AGREEMENT. IN THE EVENT OF ANY MATERIAL BREACH, UNTHSC ACKNOWLEDGES THAT TCU MAY SEEK A WAIVER OF IMMUNITY TO ALLOW FOR THE FILING OF SUIT AND RECOVER FROM UNTHSC AND/OR ANY OTHER APPROPRIATE WAIVERS FROM THE TEXAS LEGISLATURE AND UNTHSC SPECIFICALLY AGREES NOT TO OPPOSE SUCH REQUESTED WAIVER(S) AND FURTHER SPECIFICALLY AGREES NOT TO OBJECT TO TCU'S EFFORTS TO OBTAIN SUCH WAIVER(S). UNTHSC SPECIFICALLY ACKNOWLEDGES THAT ITS AGREEMENTS SET FORTH IN THIS SECTION 8.05 ARE A MATERIAL FACTOR, MATERIAL INDUCEMENT AND MATERIAL CONDITION TO TCU'S WILLINGNESS TO ENTER INTO THIS AGREEMENT AND THE MASTER AGREEMENT. NOTHING IN THIS AGREEMENT (INCLUDING THIS SECTION 8.05) SHOULD BE CONSTRUED AS AN ADMISSION BY TCU OF UNTHSC'S RIGHT TO IMMUNITY FROM SUIT OR A WAIVER OF TCU'S RIGHT TO SEEK A DECLARATORY JUDGMENT CONCERNING ANY PROVISION, RIGHT, DISPUTE OR MATERIAL BREACH UNDER THE MASTER AGREEMENT, INCLUDING, WITHOUT LIMITATION, THIS AGREEMENT.
- 8.06 <u>AMENDMENT</u>. This Agreement may only be amended in writing signed by authorized representatives of both TCU and UNTHSC.
- 8.07 <u>AUTONOMY</u>. Under this Agreement, both TCU and UNTHSC will continue to be autonomous and governed independently by their respective governing bodies.
- 8.08 <u>RELATIONSHIP</u>. For purposes of this Agreement, the Institutions will not be deemed partners, nor will the relationship between them be considered a joint venture. It is expressly understood that TCU is not constituted as an agent of UNTHSC and UNTHSC is not constituted as an agent of TCU. Neither Institution has the power or authority to bind the other Institution or contract in the name of the other Institution. Likewise, the collaboration between TCU and UNTHSC is not intended to, and will not have the effect of, (a) changing the private and independent status of TCU; (b) merging the Institutions; or (c) entitling TCU to public funds

or property under the Texas Constitution or any laws or regulations of the State of Texas (other than funds available to private institutions or their students).

- 8.09 <u>RESPONSIBILITY FOR OBLIGATIONS OF THE OTHER</u>. Neither Institution will be responsible for the debts or other obligations of the other.
- 8.10 <u>COUNTERPARTS; FACSIMILE</u>. This Agreement may be executed in one or more counterparts, each of which will be deemed an original, all of which together will constitute one and the same instrument. Execution copies of this Agreement may be delivered by facsimile or email transmission.
- 8.11 <u>GOVERNING LAW; VENUE</u>. This Agreement will be governed by, and construed in accordance with, the laws of the State of Texas. Venue in any action or proceeding involving this Agreement will be in Tarrant County, Texas, except if venue is otherwise required by law to be maintained in Denton County or an alternate county.
- 8.12 <u>HEADINGS</u>. All section headings herein are for convenience of reference only and are not part of this Agreement, and no construction or inference will be derived therefrom.
- 8.13 <u>WAIVER</u>. Failure of an Institution to insist upon the strict performance of any of the provisions of this Agreement by the other Institution, or the failure by an Institution to exercise its rights upon the default of the other Institution, will not constitute a waiver of such Institution's right to insist upon and demand strict compliance by the other Institution within the terms of this Agreement thereafter.
- 8.14 <u>FURTHER ASSURANCES</u>. The Institutions will take any and all steps to cooperate fully in executing, acknowledging, and delivering to each other any instruments or documents necessary or expedient to implement the terms and intent of this Agreement.
- 8.15 NO THIRD PARTY BENEFICIARY. The terms and provisions of this Agreement are intended solely for the benefit of the Institutions and their respective successors and permitted assigns, and it is not the intention of the Institutions to confer third-party beneficiary rights upon any other person or entity.
- 8.16 <u>LEGISLATION</u>. The Institutions agree to jointly propose or support legislation that may be required to support the interests of the School of Medicine and the collaboration between the Institutions.
- 8.17 <u>COMPLIANCE WITH LAWS</u>. In performing the activities contemplated under this Agreement, the Institutions agree to comply with all applicable laws, regulations, rules, restrictions, and any other provisions applicable to the Institutions.

This Agreement is entered into to be effective as of the Effective Date.

TEXAS CHRISTIAN UNIVERSITY

May & Sham
Mark L. Johnson
Chairman of the Board
Date: 10/9/2017
By: Brillia.
Victor J. Boschini, Jr., Ed.D. Chancellor
Date: 10092017
University of North Texas Health Science Center
By: Js. Bunt Ryan Chairman, Board of Regents
Date: 9/29/2017
By: Lee Jackson, M.P.A. Chancellor
Date: 10 2 17
By: Michael R. Williams, D.O., M.D., M.B.A. President
Date: 10/3/17

Exhibit "A"

Teacher-Learner Expectations

The School of Medicine holds in high regard professional behaviors and attitudes, including altruism, integrity, respect for others and a commitment to excellence. Effective learning is best fostered in an environment of mutual respect between teachers and learners. In the context of medical education, the term "teacher" is used broadly to include peers, resident physicians, full-time and volunteer faculty members, clinical preceptors, nurses, and ancillary support staff, as well as others from whom students learn.

GUIDING PRINCIPLES

DUTY: Medical educators have a duty to convey the knowledge and skills required for delivering the profession's standard of care and also to instill the values and attitudes required for preserving the medical profession's social contract with its patients.

INTEGRITY: Learning environments that are conducive to conveying professional values must be based on integrity. Students and residents learn professionalism by observing and emulating role models who epitomize authentic professional values and attitudes.

RESPECT: Respect for every individual is fundamental to the ethic of medicine. Mutual respect is essential for nurturing that ethic. Teachers have a special obligation to ensure that students and residents are always treated respectfully.

RESPONSIBILITIES OF TEACHERS AND LEARNERS:

TEACHERS SHOULD:

- Treat students fairly and respectfully.
- Maintain high professional standards in all interactions.
- Be prepared and on time.
- Provide relevant and timely information.
- Provide explicit learning and behavioral expectations early in a course or clerkship.
- Provide timely, focused, accurate and constructive feedback on a regular basis and thoughtful and timely evaluations at the end of a course or clerkship.
- Display honesty, integrity and compassion.
- Practice insightful (Socratic) questioning, which stimulates learning and self-discovery, and avoid overly aggressive questioning which may be perceived as hurtful, humiliating, degrading or punitive.

- Solicit feedback from students regarding their perception of their educational experiences.
- Encourage students who experience mistreatment or who witness unprofessional behavior to report the facts immediately.

STUDENTS SHOULD:

- Be courteous of teachers and fellow students.
- Be prepared and on time.
- Be active, enthusiastic, curious learners.
- Demonstrate professional behavior in all settings.
- Recognize that not all learning stems from formal and structured activities.
- Recognize their responsibility to establish learning objectives and to participate as an active learner.
- Demonstrate a commitment to life-long learning, a practice that is essential to the profession of medicine.
- Recognize personal limitations and seek help as needed.
- Display honesty, integrity and compassion.
- Recognize the privileges and responsibilities coming from the opportunity to work with patients in clinical settings.
- Recognize the duty to place patient welfare above their own.
- Recognize and respect patients' rights to privacy.
- Solicit feedback on their performance and recognize that criticism is not synonymous with "abuse."

RELATIONSHIPS BETWEEN TEACHERS AND STUDENTS:

Students and teachers should recognize the special nature of the teacher-learner relationship which is in part defined by professional role modeling, mentorship, and supervision. Because of the special nature of this relationship, students and teachers should strive to develop their relationship to one characterized by mutual trust, acceptance and confidence. They should both recognize the potential for conflict of interest and respect appropriate boundaries.



AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT

WHEREAS, the purpose of this AGREEMENT is to guide and direct the parties respecting their affiliation, working arrangements, and agreements in furtherance thereof to provide high-quality clinical learning experiences for medical students in the SCHOOL.

WHEREAS, this AGREEMENT is intended and shall be interpreted to meet the SCHOOL's accreditation standards related to affiliation agreements with clinical affiliates which require at a minimum:

- The HOST AGENCY will provide medical student, and faculty if applicable, access to appropriate resources for medical student education.
- The SCHOOL is ultimately responsible for the medical education program, academic affairs, and the assessment of medical students.
- The SCHOOL is primarily responsible for the appointment and assignment of faculty members with responsibility for medical student teaching.
- Specification of the responsibility for treatment and follow-up when a medical student is exposed to an infectious or environmental hazard or other occupational injury,
- The shared responsibility of the SCHOOL and HOST AGENCY for creating and maintaining an appropriate learning environment.

WHEREAS, neither party intends for this AGREEMENT to alter in any way its respective legal rights or its legal obligations to any third party.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties identified in the AAMC Uniform Clinical Training Affiliation Agreement Implementation Letter agree as follows:

A. Responsibilities of the SCHOOL

- 1. The SCHOOL will plan and determine the adequacy of the educational experience of the students in theoretical background, basic skill, professional ethics, attitude and behavior and shall assign to the HOST AGENCY only those students who have satisfactorily completed the prerequisite didactic portions of the SCHOOL's curriculum.
- 2. The SCHOOL will retain ultimate responsibility for the education and assessment of its students. The School's representative for this Agreement shall be a faculty member appointed and assigned by the SCHOOL, who will be responsible for medical student teaching and assessment provided pursuant to this Agreement.
- 3. The SCHOOL will advise all students assigned to the HOST AGENCY facilities regarding the confidentiality of patient/client records and patient/client information imparted during the training experience. The SCHOOL will also advise all students that the confidentiality requirements survive the termination or expiration of this AGREEMENT.
- 4. The SCHOOL will require all participating students to maintain health insurance and provide proof of health insurance to the School. The HOST AGENCY may request the student provide proof of health insurance prior to beginning of the training experience.
- 5. The SCHOOL will require all participating students to have completed an appropriate criminal background check, and to have documented appropriate immunizations on file with the SCHOOL. If applicable, the HOST AGENCY shall notify the student of any requests for evidence of criminal background test or immunization. The SCHOOL will inform the student of his/her responsibility to provide evidence to the HOST AGENCY of any required criminal background checks or immunizations, when requested. The HOST AGENCY shall notify the SCHOOL of its requirements of an acceptable criminal background check and required immunizations. The SCHOOL will also inform students that they may be required to undergo a drug test or other similar screening tests pursuant to the HOST AGENCY'S policies and practices, and that the cost of any such test will be paid by the student, if not the HOST AGENCY.
- 6. The SCHOOL will advise students that they are required to comply with HOST AGENCY rules, regulations, and procedures.
- 7. If requested by the HOST AGENCY, the SCHOOL will provide instruction to the HOST AGENCY'S staff with respect to the SCHOOL's expectations regarding assessment of the SCHOOL'S students at the HOST AGENCY.
- 8. The SCHOOL warrants and represents that it provides occurrence-based liability insurance or self-insurance for its students with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate. However, if the SCHOOL is a public entity entitled to governmental immunity protections under applicable state law, then the SCHOOL shall provide occurrence-based liability coverage in accordance with any limitations associated with the applicable law; but the SCHOOL shall provide such insurance with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate in the event

governmental immunity protections are determined by a court of competent jurisdiction to not apply. If requested by the HOST AGENCY, the SCHOOL shall provide a certificate of insurance demonstrating coverage for students completing clinical training at the HOST AGENCY.

B. Responsibilities of the HOST AGENCY

- 1. The HOST AGENCY has a responsibility to maintain a positive, respectful, and adequately resourced learning environment so that sound educational experiences can occur. Therefore, the HOST AGENCY will provide students and faculty with access to appropriate resources for medical student education including: a) access to patients at HOST AGENCY facilities in an appropriately supervised environment, in which the students can complete the SCHOOL's curriculum; b) student security badges or other means of secure access to patient care areas; c) access and required training for medical students in the proper use of electronic medical records or paper charts, as applicable; d) computer access; e) secure storage space for medical students' personal items when at the HOST AGENCY; and f) access to call rooms, if necessary.
- 2. The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain a level of care that meets generally accepted standards conducive to satisfactory instruction. While in HOST AGENCY's facilities, students will have the status of trainees; are not to replace HOST AGENCY staff; and, are not to render unsupervised patient care and/or services. All services rendered by students must have educational value and meet the goals of the medical education program. HOST AGENCY and its staff will provide such supervision of the educational and clinical activities as is reasonable and appropriate to the circumstances and to the student's level of training.
- 3. The HOST AGENCY staff will, upon request, assist the SCHOOL in the assessment of the learning and performance of participating students by completing assessment forms provided by the SCHOOL and returned to the SCHOOL in a timely fashion.
- 4. The HOST AGENCY will provide for the orientation of SCHOOL's participating students as to the HOST AGENCY'S rules, regulations, policies, and procedures.
- 5. The HOST AGENCY agrees to comply with applicable state and federal workplace safety laws and regulations. In the event a student is exposed to an infectious or environmental hazard or other occupational injury (i.e., needle stick) while at the HOST AGENCY, the HOST AGENCY, upon notice of such incident from the student, will provide such emergency care as is provided its employees, including, where applicable: examination and evaluation by HOST AGENCY's emergency department or other appropriate facility as soon as possible after the injury; emergency medical care immediately following the injury as necessary; initiation of the HBV, Hepatitis C (HCV), and/or HIV protocol as necessary; and HIV counseling and appropriate testing as necessary. In the event that HOST AGENCY does not have the resources to provide such emergency care, HOST AGENCY will refer such student to the nearest emergency facility. The SCHOOL will define, for its medical students, who bears financial responsibility for any charges generated.

- 6. To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the same extent as such laws and regulations apply to the SCHOOL and shall limit access to only those employees or agents with a need to know. For the purposes of this Agreement, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program.
- 7. Upon request, the HOST AGENCY will provide proof that it maintains liability insurance in an amount that is commercially reasonable.
- 8. The HOST AGENCY will provide written notification to the SCHOOL promptly if a claim arises involving a student. The HOST AGENCY and SCHOOL agree to share such information in a manner that protects such disclosures from discovery to the extent possible under applicable federal and state peer review and joint defense laws.
- 9. The HOST AGENCY will resolve any situation in favor of its patients' welfare and restrict a student to the role of observer when a problem may exist until the incident can be resolved by the staff in charge of the student or the student is removed. The HOST AGENCY will notify the SCHOOL'S course director if such an action is required.
- 10. The HOST AGENCY shall identify a site coordinator from among its medical staff who will communicate and cooperate with the SCHOOL's clerkship director to ensure faculty and medical student access to appropriate resources for the clinical training experience.

C. Mutual Responsibilities

- 1. Representatives for each party will be established on or before the execution of this AGREEMENT.
- 2. The parties will work together to maintain an environment of high quality patient care. At the request of either party, a meeting or conference will promptly be held between SCHOOL and HOST AGENCY representatives to resolve any problems or develop any improvements in the operation of the clinical training program.
- 3. The SCHOOL will provide qualified and competent individuals in adequate number for the instruction, assessment, and supervision of students using the SCHOOL facilities. The HOST AGENCY will provide qualified and competent staff members in adequate number for the instruction and supervision of students using the HOST AGENCY facilities.
- 4. The SCHOOL and the HOST AGENCY will not discriminate against any employee, applicant or student enrolled in their respective programs because of age, creed, gender identity, national origin, race, sex, sexual orientation or any other basis protected by law.

- 5. The SCHOOL, including its faculty, staff, medical students, and residents, and HOST AGENCY share responsibility for creating an appropriate learning environment that includes both formal learning activities and the attitudes, values, and informal "lessons" conveyed by individuals who interact with the student. The parties will cooperate to evaluate the learning environment (which may include on-site visits) to identify positive and negative influences on the maintenance of professional standards, and to conduct and develop appropriate strategies to enhance the positive and mitigate the negative influences. HOST AGENCY shall require its faculty and staff who interact with students to adhere to the expectations set forth in Exhibit A, and communicate student violations to the SCHOOL. SCHOOL agrees to require its students to adhere to the expectations set forth in Exhibit A.
- 6. HOST AGENCY may immediately remove from the premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. The HOST AGENCY will immediately notify the appropriate office of the SCHOOL if such an action is required and the reasons for such action. The SCHOOL may terminate a student's participation when, in its sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required.

D. Term and Termination

This AGREEMENT is effective upon execution of the Implementation Letter by both parties to the covered clinical training experience(s) and will continue indefinitely or until terminated. This AGREEMENT may be terminated at any time and for any reason by either party upon not less than ninety (90) days prior written notice to the other party. Should notice of termination be given under this Section, students already scheduled to train at HOST AGENCY will be permitted to complete any previously scheduled clinical assignment at HOST AGENCY.

E. Employment Disclaimer

The students participating in the program will not be considered employees or agents of the HOST AGENCY or SCHOOL for any purpose. Students will not be entitled to receive any compensation from HOST AGENCY or SCHOOL or any benefits of employment from HOST AGENCY or SCHOOL, including but not limited to, health care or workers' compensation benefits, vacation, sick time, or any other benefit of employment, direct or indirect. HOST AGENCY will not be required to purchase any form of insurance for the benefit or protection of any student of the SCHOOL.

F. Health Insurance Portability and Accountability Act.

Students participating in clinical training pursuant to this Agreement are members of the HOST AGENCY's workforce for purposes of the Health Insurance Portability and Accountability Act (HIPAA) within the definition of "health care operations" and therefore may have access to patient medical information as provided for in the Privacy Rule of HIPAA. Therefore, additional agreements are not necessary for HIPAA compliance purposes. This paragraph applies solely to HIPAA privacy and security regulations applicable to the HOST AGENCY and, as stated in paragraph E, above, does not establish an employment relationship.



G. No Agency Relationship Between the Parties.

Nothing in this Agreement is intended to or shall be construed to constitute or establish an agency, employer/employee, partnership, franchise, or fiduciary relationship between the parties; and neither party shall have the right or authority or shall hold itself out to have the right or authority to bind the other party, nor shall either party be responsible for the acts or omissions of the other except as provided specifically to the contrary herein.

H. Assignment

This AGREEMENT will not be assigned by either party without the prior written consent of the other.

I. Governmental Immunity

If the SCHOOL is a public entity entitled to protections of governmental immunity under applicable law, it is specifically understood and agreed that nothing contained in this paragraph or elsewhere in this AGREEMENT will be construed as: an express or implied waiver by the SCHOOL of its governmental immunity or of its state governmental immunity; an express or implied acceptance by SCHOOL of liabilities arising as a result of actions which lie in tort or could lie in tort in excess of the liabilities allowable under the applicable governmental immunity laws; or, a pledge of the full faith and credit of a debtor contract; or, as the assumption by the SCHOOL of a debt, contract, or liability of the HOST AGENCY.

J. No Special Damages

In no event shall either party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages.

K. Notices

All notices provided by either party to the other will be in writing, and will be deemed to have been duly given when delivered personally or when deposited in the United States mail, First Class, postage prepaid, addressed as indicated in the Uniform Clinical Affiliation Agreement Implementation Letter.

L. No Payments

No payments shall be made between the parties or to the students in connection with this Agreement.

M. Severability



The invalidity of any provision of this AGREEMENT will not affect the validity of any other provisions.

N. Headlines

Headlines in this AGREEMENT are for convenience only.

O. Entire Agreement

This AGREEMENT contains the entire AGREEMENT of the parties as it relates to this subject matter and may be modified only by additional written provisions contained in a properly executed Uniform Clinical Affiliation Agreement Implementation Letter.



EXHIBIT A: TEACHER-LEARNER EXPECTATIONS

The SCHOOL holds in high regard professional behaviors and attitudes, including altruism, integrity, respect for others and a commitment to excellence. Effective learning is best fostered in an environment of mutual respect between teachers and learners. In the context of medical education the term "teacher" is used broadly to include peers, resident physicians, full-time and volunteer faculty members, clinical preceptors, nurses, and ancillary support staff, as well as others from whom students learn.

GUIDING PRINCIPLES:

Duty: Medical educators have a duty to convey the knowledge and skills required for delivering the profession's standard of care and also to instill the values and attitudes required for preserving the medical profession's social contract with its patients.

Integrity: Learning environments that are conducive to conveying professional values must be based on integrity. Students and residents learn professionalism by observing and emulating role models who epitomize authentic professional values and attitudes.

Respect: Respect for every individual is fundamental to the ethic of medicine. Mutual respect is essential for nurturing that ethic. Teachers have a special obligation to ensure that students and residents are always treated respectfully.

RESPONSIBILITIES OF TEACHERS AND LEARNERS:

Teachers should:

- Treat students fairly and respectfully
- Maintain high professional standards in all interactions
- Be prepared and on time
- Provide relevant and timely information
- Provide explicit learning and behavioral expectations early in a course or clerkship
- Provide timely, focused, accurate and constructive feedback on a regular basis and thoughtful and timely evaluations at the end of a course or clerkship
- Display honesty, integrity and compassion
- Practice insightful (Socratic) questioning, which stimulates learning and self-discovery, and avoid overly aggressive questioning which may be perceived as hurtful, humiliating, degrading or punitive

8 of 9 Corresponds to LCME Standards for 2016-2017 Academic Year AAMC Publication Date (June 4, 2015)



- Solicit feedback from students regarding their perception of their educational experiences
- Encourage students who experience mistreatment or who witness unprofessional behavior to report the facts immediately

Students should:

- Be courteous of teachers and fellow students
- Be prepared and on time
- Be active, enthusiastic, curious learners
- Demonstrate professional behavior in all settings
- Recognize that not all learning stems from formal and structured activities
- Recognize their responsibility to establish learning objectives and to participate as an active learner
- Demonstrate a commitment to life-long learning, a practice that is essential to the profession of medicine
- Recognize personal limitations and seek help as needed
- Display honesty, integrity and compassion
- Recognize the privileges and responsibilities coming from the opportunity to work with patients in clinical settings
- Recognize the duty to place patient welfare above their own
- Recognize and respect patients' rights to privacy
- Solicit feedback on their performance and recognize that criticism is not synonymous with "abuse"

Relationships between Teachers and Students

Students and teachers should recognize the special nature of the teacher-learner relationship which is in part defined by professional role modeling, mentorship, and supervision.

Because of the special nature of this relationship, students and teachers should strive to develop their relationship to one characterized by mutual trust, acceptance and confidence. They should both recognize the potential for conflict of interest and respect appropriate boundaries.



July 17, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Baylor Regional Medical Center at Grapevine d/b/a Baylor Scott & White Medical Center-Grapevine ("HOST AGENCY"), at 1650 W. College Street, Grapevine, TX 76051 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

A. The following shall be added to A.5 of the UCTAA:

"SCHOOL shall require students to provide evidence of health screenings and other tests on the same basis, and in accordance with the same policies and procedures, that HOST AGENCY requires its employees to provide, including but not limited to a comprehensive drug screening and annual influenza vaccination."

- B. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance: Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. The SCHOOL agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.

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- 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to the limits of its comprehensive and professional liability insurance coverage, it will indemnify and hold harmless the SCHOOL, its agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its agents, volunteer personnel, patients, visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.
- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive and professional liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- C. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, and parking spaces conforming to hospital standards/expectations. Aligning with the SCHOOL's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at HOST AGENCY and then 3-4 students per month for electives, sub-internships, and critical care."

D. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

E. Section B.6 of the UCTAA is hereby deleted and replaced with the following:

"To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the extent as such laws and regulations apply to the HOST AGENCY. For the purposes of this AGREEMENT, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program."

- F. Section B.7 of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians



and other employed licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage. HOST AGENCY shall have the right to provide the insurance required of HOST AGENCY under this AGREEMENT on a self-insured or retained basis. In the alternative to traditional workers' compensation in the State of Texas, HOST AGENCY may be a responsible nonsubscriber and shall have an established employee injury benefit plan applicable to the employees of HOST AGENCY.

- G. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- H. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- I. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required."
- J. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending one year after the EFFECTIVE DATE. After the initial



term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.

- 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
- 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
- 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
- 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise."
- K. Section J. of the UCTAA is hereby deleted and replaced with the following new Section J:
 - "J. Except for claims for indemnification, in no event shall either Party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages."
- L. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:

"K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL: Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY: Baylor Scott & White Medical Center-Grapevine

1650 West College Street Grapevine, TX 76051



With a copy to:

BSWH Legal Department 4005 Crutcher Street, Suite 300 Dallas, Texas 75246

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- M. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The SCHOOL and the HOST AGENCY agree that they will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act and all applicable Stark and anti-kickback laws. In addition, the Parties agree that this AGREEMENT and the Parties' activities under this AGREEMENT shall be consistent with (and shall not jeopardize) SCHOOL or HOST AGENCY's status as a non-profit tax-exempt organization under Section 501(c) (3) of the Internal Revenue Code. Further, this AGREEMENT does not contemplate, and the educational program shall not include, any services or activities, including but not limited to abortions or research consisting of stem cell harvesting from fetal tissue or any technologies that supplant natural reproduction excluding artificial insemination provided to legally married adults, that are prohibited by HOST AGENCY's mission statement, policies, or its commitment to a Christian ministry of healing.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request and advance notice and subject to compliance with applicable HOST AGENCY's policies, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to



Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.

SCHOOL certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and SCHOOL shall notify HOST AGENCY immediately if it becomes aware of any such exclusion, debarment, or sanction.

- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The Parties mutually agree, to the maximum extent permitted by law, to keep this AGREEMENT and the contents of this AGREEMENT confidential and not to disclose such contents either to any third party, unless required by law, without the written consent of the other party; however either party may disclose relevant parts of the AGREEMENT to any of its employees, students, agents, representatives, advisers, and legal counsel when reasonably necessary to determine its rights and remedies under the AGREEMENT or to carry out the terms of the AGREEMENT or as required by law. In addition, either party may provide a copy of this AGREEMENT to the LCME or any other entity, if required, for accreditation or regulatory reasons.
- 9. The Parties will mutually agree in advance upon any public announcements, advertising, marketing, and communications to the media regarding this AGREEMENT or the relationship created by (or the services to be provided pursuant to) this AGREEMENT. Neither Party will use or market the name or logo of the other Party without its advance written consent.
- 10. The Parties acknowledge that in connection with the performance of the Parties under this AGREEMENT, either Party may acquire and make use of certain confidential information of the other Party which may include internal memoranda, reports, confidential technology and other materials, records and/or information of a proprietary nature ("Confidential Information"). Therefore, in order to protect the Confidential Information, neither Party shall, after the date hereof, use the Confidential Information of the other Party except in connection with the performance of the Party's obligations pursuant to this AGREEMENT, or divulge the Confidential Information to any third party, unless the other Party consents in writing or such use or divulgence or disclosure is required by law. In the event either Party receives a request or demand for the disclosure of Confidential Information of the other Party, the Party receiving such request or demand shall immediately provide to the other Party written notice of such request or demand, including a copy of any written element of such request or demand. Upon termination of this AGREEMENT, neither Party will take or retain, without prior written authorization from the other Party, any Confidential Information belonging to the other Party. Without limiting other possible remedies for the breach of this covenant, the Parties agree that injunctive or other equitable relief shall be available to enforce this covenant, such relief to be without the necessity of posting a bond, cash or otherwise.



- 11. The AGREEMENT does not create any third-party beneficiaries, including but not limited to any students, who shall not be considered, directly or indirectly, third party beneficiaries of the AGREEMENT.
- 12. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections M.2, M.3., M.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL: TCU and UNTHSC School of Medicine

Address: Texas Christian University
Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

Signature:

By: Title: Stuart D. Flynn

Dean, TCU and UNTHSC School of Medicine

Date:

Signature:

By.

Fred Friedrich

Senior Associate Dean of Finance and Administration

TCU and UNTHSC School of Medicine

Date:

HOST AGENCY: Baylor

Baylor Regional Medical Center at Grapevine d/b/a Baylor Scott & White Medical

Center-Grapevine

By:

Sterk. Newtr

Signature:

STEVEN R. NEWTON

Title:

PRESIDENT

Date:

7/20/2017

Address:

Baylor Scott & White Medical Center-Grapevine

1650 West College Street Grapevine, TX 76051



July 17, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Baylor All Saints Medical Center d/b/a Baylor Scott & White All Saints Medical Center-Fort Worth ("HOST AGENCY"), at 1400 8th Avenue, Fort Worth, TX 76104 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. The following shall be added to A.5 of the UCTAA:
 - "SCHOOL shall require students to provide evidence of health screenings and other tests on the same basis, and in accordance with the same policies and procedures, that HOST AGENCY requires its employees to provide, including but not limited to a comprehensive drug screening and annual influenza vaccination."
- B. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. The SCHOOL agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.

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- 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to the limits of its comprehensive and professional liability insurance coverage, it will indemnify and hold harmless the SCHOOL, its agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its agents, volunteer personnel, patients, visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.
- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive and professional liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- C. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, and parking spaces conforming to hospital standards/expectations. Aligning with the SCHOOL's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at HOST AGENCY and then 3-4 students per month for electives, sub-internships, and critical care."

D. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

E. Section B.6. of the UCTAA is hereby deleted and replaced with the following:

"To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the extent as such laws and regulations apply to the HOST AGENCY. For the purposes of this AGREEMENT, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program."

- F. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians



and other employed licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage. HOST AGENCY shall have the right to provide the insurance required of HOST AGENCY under this AGREEMENT on a self-insured or retained basis. In the alternative to traditional workers' compensation in the State of Texas, HOST AGENCY may be a responsible nonsubscriber and shall have an established employee injury benefit plan applicable to the employees of HOST AGENCY.

- G. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- H. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- I. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required."
- J. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending one year after the EFFECTIVE DATE. After the initial



term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.

- 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
- 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
- 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
- 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise."
- K. Section J. of the UCTAA is hereby deleted and replaced with the following new Section J:
 - "J. Except for claims for indemnification, in no event shall either Party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages."
- L. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Baylor Scott & White All Saints Medical Center-Fort Worth

1400 8th Avenue Fort Worth, TX 76104



With a copy to:

BSWH Legal Department 4005 Crutcher Street, Suite 300 Dallas, Texas 75246

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- M. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The SCHOOL and the HOST AGENCY agree that they will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act and all applicable Stark and anti-kickback laws. In addition, the Parties agree that this AGREEMENT and the Parties' activities under this AGREEMENT shall be consistent with (and shall not jeopardize) SCHOOL or HOST AGENCY's status as a non-profit tax-exempt organization under Section 501(c) (3) of the Internal Revenue Code. Further, this AGREEMENT does not contemplate, and the educational program shall not include, any services or activities, including but not limited to abortions or research consisting of stem cell harvesting from fetal tissue or any technologies that supplant natural reproduction excluding artificial insemination provided to legally married adults, that are prohibited by HOST AGENCY's mission statement, policies, or its commitment to a Christian ministry of healing.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request and advance notice and subject to compliance with applicable HOST AGENCY's policies, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to



Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.

SCHOOL certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and SCHOOL shall notify HOST AGENCY immediately if it becomes aware of any such exclusion, debarment, or sanction.

- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The Parties mutually agree, to the maximum extent permitted by law, to keep this AGREEMENT and the contents of this AGREEMENT confidential and not to disclose such contents either to any third party, unless required by law, without the written consent of the other party; however either party may disclose relevant parts of the AGREEMENT to any of its employees, students, agents, representatives, advisers, and legal counsel when reasonably necessary to determine its rights and remedies under the AGREEMENT or to carry out the terms of the AGREEMENT or as required by law. In addition, either party may provide a copy of this AGREEMENT to the LCME or any other entity, if required, for accreditation or regulatory reasons.
- 9. The Parties will mutually agree in advance upon any public announcements, advertising, marketing, and communications to the media regarding this AGREEMENT or the relationship created by (or the services to be provided pursuant to) this AGREEMENT. Neither Party will use or market the name or logo of the other Party without its advance written consent.
- 10. The Parties acknowledge that in connection with the performance of the Parties under this AGREEMENT, either Party may acquire and make use of certain confidential information of the other Party which may include internal memoranda, reports, confidential technology and other materials, records and/or information of a proprietary nature ("Confidential Information"). Therefore, in order to protect the Confidential Information, neither Party shall, after the date hereof, use the Confidential Information of the other Party except in connection with the performance of the Party's obligations pursuant to this AGREEMENT, or divulge the Confidential Information to any third party, unless the other Party consents in writing or such use or divulgence or disclosure is required by law. In the event either Party receives a request or demand for the disclosure of Confidential Information of the other Party, the Party receiving such request or demand shall immediately provide to the other Party written notice of such request or demand, including a copy of any written element of such request or demand. Upon termination of this AGREEMENT, neither Party will take or retain, without prior written authorization from the other Party, any Confidential Information belonging to the other Party. Without limiting other possible remedies for the breach of this covenant, the Parties agree that injunctive or other equitable relief shall be available to enforce this covenant, such relief to be without the necessity of posting a bond, cash or otherwise.



- 11. The AGREEMENT does not create any third-party beneficiaries, including but not limited to any students, who shall not be considered, directly or indirectly, third party beneficiaries of the AGREEMENT.
- 12. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections M.2, M.3., M.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

Signature:

By:

Title:

Dean, TCU and UNTHSC School of Medicine

Date:

Signature:

By:

Fred Friedrich

Senior Associate Dean of Finance and Administration

TCU and UNTHSC School of Medicine

Date:

HOST AGENCY: **Center-Fort Worth** Baylor All Saints Medical Center d/b/a Baylor Scott & White All Saints Medical

By:

Signature:

Title:

Date:

Address:

Baylor Scott & White All Saints Medical Center-Fort Worth

1400 8th Avenue

Fort Worth, TX 76104



June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Fort Worth Surgicare Partnes, LTD dba Baylor Surgical Hospital at Fort Worth ("HOST AGENCY"), at 1800 Park Pl Avenue, Fort Worth, TX 76110 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for

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avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.

- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

- C. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:
 - "The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."
- D. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- E. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- F. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:



- "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- G. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- H. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its



business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.

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I. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:

"K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Fort Worth Surgicare Partners, LTD

dba Baylor Surgical Hospital at Fort Worth

1800 Park Pl Avenue Fort Worth, TX 76110

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- J. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and yearue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.



- 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
- 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Title: Dea

Date:

Address: Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY

Fort Worth Suricare Partnes, LTD

dba Baylor Surgical Hospital at Fort Worth

By:

Signature: Paul Della

Title:

C.E.O.

Date:

7-17-17

Address:

Baylor Surgical Hospital at Fort Worth

1800 Park Pl Avenue Fort Worth, TX 76110



July 28, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive. Fort Worth, Texas 76129, and Cook Children's Health Care System ("HOST AGENCY"), at 801 7th Avenue, Fort Worth, TX 76104, with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance: Hold Harmless.
 - 8.1 The SCHOOL will provide occurrence-based professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.
 - 8.3 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."

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B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

C. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction: and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- D. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- E. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- F. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- G. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
 - "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the



HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed ten (10) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."

- H. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT, with or without cause, by providing at least thirty (30) days prior written notice to the other Party.
- I. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Cook Children's Health Care System

801 7th Avenue

Fort Worth, TX 76104 Attn: Debra Jorden

Director of Academic & Medical Education

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

J. Section L. of the UCTAA is hereby deleted in its entirety.



- K. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
 - 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
 - 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.2, A.8.3, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

The remainder of this page is intentionally left blank. Signature page follows.



A. 1/31/17

This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Dean

Title:

Date: 2017

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Cook Children's Health Care System

By:

Rick Merrill

Signature:

President and CEO

Date:

Title:

7/28/2017

Address:

Cook Children's Health Care System

801 7th Avenue

Fort Worth, Texas 76104

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between TCU & UNTHSC SCHOOL OF MEDICINE ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and TARRANT COUNTY HOSPITAL DISTRICT d/b/a JPS HEALTH NETWORK d/b/a JOHN PETER SMITH HOSPITAL ("IIOST AGENCY"), at 1500 S. Main Street, Forth Worth, TX 76104 with respect to a clinical training experience for the SCHOOL's registered students (as agreed between the Parties under Section B.11 and C.7. below). The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 Only to the extent permitted by the constitution and the laws of the State of Texas and limited by the limits of liability as set forth in the Texas Tort Claims Act (Texas Civil Practice and Remedies Code Chapter 101), HOST AGENCY agrees to indemnify and hold barmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises solely out of HOST AGENCY's grossly negligent or willful acts or omissions in connection with or arising out of the activity which is the subject of this AGREEMENT.

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- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added at the end of Section B.1 of the UCTAA:

"These needs would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Conforming with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

C. The first sentence of Section B.2, of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- D. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. SCHOOL recognizes and agrees that HOST AGENCY is a county hospital district, created and operating under Chapter 281 of the Texas Health and Safety Code and is a unit of local government for purposes of Chapter 101 of the Texas Civil Practice and Remedies Code ("Texas Tort Claims Act"). As a general rule, with respect to acts performed in the course and scope of employment with HOST AGENCY for which governmental immunity has been waived under the Texas Tort Claims Act, the current limits on amount of liability under the Texas Torts Claim Act for HOST AGENCY employees acting in the course and scope of employment are \$100,000 for each person and \$300,000 for each single occurrence for bodily injury or death claims."
- E. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- F. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:

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- "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sox; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- G. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
 - "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- H. Section C under Mutual Responsibilities is modified by adding the following Section C.7 to the UCTAA:
 - "7. The number of Students designated for participation in a learning experience, their academic level, the time and length of the learning experience and the availability of learning opportunities will be mutually determined by agreement of the Parties in advance of the assignment."
- I. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of July 1, 2017 and shall continue in full force and effect until June 30, 2024, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.

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- 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this AGREEMENT by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
- 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.
- J. Section I. of the UCTAA is hereby deleted and replaced with the following new Section I:
 - "I. Governmental Immunity.

HOST AGENCY is a public entity entitled to protections of governmental immunity under applicable law. It is specifically understood and agreed by the Parties that nothing contained in this paragraph or elsewhere in this AGREEMENT will be construed as: an express or implied waiver by HOST AGENCY of its governmental immunity or state governmental immunity; an express or implied acceptance by HOST AGENCY of liabilities arising as a result of actions which lie in tort or could lie in tort in excess of the liabilities allowable under the applicable governmental immunity laws; or, a pledge of the full faith and credit of a debtor contract; or, as the assumption by HOST AGENCY of a debt, contract, or liability of the SCHOOL.

K. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:

"K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU & UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Tarrant County Hospital District

d/b/a JPS Health Network Attn: Academic Affairs 1500 S. Main Street Fort Worth, Texas 76104

With copy to:

Adams, Lynch & Lostin, P.C.

Attn: Neal W. Adams, General Counsel

3950 State Hwy 360 Grapevine, Texas 76051 Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- L. Section O. of the UCTAA is hereby deleted and replaced with the following new Section O:
 - "O. Entire Agreement. The Implementation Letter together with the UCTAA contains the entire AGREEMENT of the Parties as it relates to this subject matter, and may only be modified in a writing properly executed by both Parties."
- M. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
 - 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement.

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8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefor: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections M.2, M.3., M.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefor.

The remainder of this page is intentionally left blank. Signature page follows.

This AGREEMENT is effective as of July 1, 2017 ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU & UNTHSC SCHOOL OF MEDICINE

Address:

Texas Christian University

Attn. Stuart D. Flynn

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive, Fort Worth, Texas 76129

Signature:

By: Stuart D. Flyn

Title:

Dean, TCU & UNTHSC School of Medicine

Date:

Signature:

By: Title: Fred Friedrich

Senior Associate Dean of Finance and Administration

TCU & UNTHSC School of Medicine

Date:

HOST AGENCY:

TARRANT COUNTY HOSPITAL DISTRICT

d/b/a JPS HEALTH NETWORK

d/b/a JOHN PETER SMITH HOSPITAL

Address:

1500 S. Main Street

Fort Worth, TX 76104

Signature:

By:

Robert Earley

Title:

President and CEO

Date:

Signature:

By:

Tricia Effictt, M.D.

Title:

Vice President of Academic Affairs

Date:

Quin 17, 2017

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AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT

WHEREAS, the purpose of this AGREEMENT is to guide and direct the parties respecting their affiliation, working arrangements, and agreements in furtherance thereof to provide high-quality clinical learning experiences for medical students in the SCHOOL.

WHEREAS, this AGREEMENT is intended and shall be interpreted to meet the SCHOOL's accreditation standards related to affiliation agreements with clinical affiliates which require at a minimum:

- The HOST AGENCY will provide medical student, and faculty if applicable, access to appropriate resources for medical student education.
- The SCHOOL is ultimately responsible for the medical education program, academic affairs, and the assessment of medical students.
- The SCHOOL is primarily responsible for the appointment and assignment of faculty members with responsibility for medical student teaching.
- Specification of the responsibility for treatment and follow-up when a medical student is exposed to an infectious or environmental hazard or other occupational injury,
- The shared responsibility of the SCHOOL and HOST AGENCY for creating and maintaining an appropriate learning environment.

WHEREAS, neither party intends for this AGREEMENT to alter in any way its respective legal rights or its legal obligations to any third party.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties identified in the AAMC Uniform Clinical Training Affiliation Agreement Implementation Letter agree as follows:

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A. Responsibilities of the SCHOOL

- 1. The SCHOOL will plan and determine the adequacy of the educational experience of the students in theoretical background, basic skill, professional ethics, attitude and behavior and shall assign to the HOST AGENCY only those students who have satisfactorily completed the prerequisite didactic portions of the SCHOOL's curriculum.
- 2. The SCHOOL will retain ultimate responsibility for the education and assessment of its students. The School's representative for this Agreement shall be a faculty member appointed and assigned by the SCHOOL, who will be responsible for medical student teaching and assessment provided pursuant to this Agreement.
- 3. The SCHOOL will advise all students assigned to the HOST AGENCY facilities regarding the confidentiality of patient/client records and patient/client information imparted during the training experience. The SCHOOL will also advise all students that the confidentiality requirements survive the termination or expiration of this AGREEMENT.
- 4. The SCHOOL will require all participating students to maintain health insurance and provide proof of health insurance to the School. The HOST AGENCY may request the student provide proof of health insurance prior to beginning of the training experience.
- 5. The SCHOOL will require all participating students to have completed an appropriate criminal background check, and to have documented appropriate immunizations on file with the SCHOOL. If applicable, the HOST AGENCY shall notify the student of any requests for evidence of criminal background test or immunization. The SCHOOL will inform the student of his/her responsibility to provide evidence to the HOST AGENCY of any required criminal background checks or immunizations, when requested. The HOST AGENCY shall notify the SCHOOL of its requirements of an acceptable criminal background check and required immunizations. The SCHOOL will also inform students that they may be required to undergo a drug test or other similar screening tests pursuant to the HOST AGENCY'S policies and practices, and that the cost of any such test will be paid by the student, if not the HOST AGENCY.
- 6. The SCHOOL will advise students that they are required to comply with HOST AGENCY rules, regulations, and procedures.
- 7. If requested by the HOST AGENCY, the SCHOOL will provide instruction to the HOST AGENCY'S staff with respect to the SCHOOL's expectations regarding assessment of the SCHOOL'S students at the HOST AGENCY.
- 8. The SCHOOL warrants and represents that it provides occurrence-based liability insurance or self-insurance for its students with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate. However, if the SCHOOL is a public entity entitled to governmental immunity protections under applicable state law, then the SCHOOL shall provide occurrence-based liability coverage in accordance with any limitations associated with the applicable law; but the SCHOOL shall provide such insurance with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate in the event

governmental immunity protections are determined by a court of competent jurisdiction to not apply. If requested by the HOST AGENCY, the SCHOOL shall provide a certificate of insurance demonstrating coverage for students completing clinical training at the HOST AGENCY.

B. Responsibilities of the HOST AGENCY

- 1. The HOST AGENCY has a responsibility to maintain a positive, respectful, and adequately resourced learning environment so that sound educational experiences can occur. Therefore, the HOST AGENCY will provide students and faculty with access to appropriate resources for medical student education including: a) access to patients at HOST AGENCY facilities in an appropriately supervised environment, in which the students can complete the SCHOOL's curriculum; b) student security badges or other means of secure access to patient care areas; c) access and required training for medical students in the proper use of electronic medical records or paper charts, as applicable; d) computer access; e) secure storage space for medical students' personal items when at the HOST AGENCY; and f) access to call rooms, if necessary.
- 2. The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain a level of care that meets generally accepted standards conducive to satisfactory instruction. While in HOST AGENCY's facilities, students will have the status of trainees; are not to replace HOST AGENCY staff; and, are not to render unsupervised patient care and/or services. All services rendered by students must have educational value and meet the goals of the medical education program. HOST AGENCY and its staff will provide such supervision of the educational and clinical activities as is reasonable and appropriate to the circumstances and to the student's level of training.
- 3. The HOST AGENCY staff will, upon request, assist the SCHOOL in the assessment of the learning and performance of participating students by completing assessment forms provided by the SCHOOL and returned to the SCHOOL in a timely fashion.
- 4. The HOST AGENCY will provide for the orientation of SCHOOL's participating students as to the HOST AGENCY'S rules, regulations, policies, and procedures.
- 5. The HOST AGENCY agrees to comply with applicable state and federal workplace safety laws and regulations. In the event a student is exposed to an infectious or environmental hazard or other occupational injury (i.e., needle stick) while at the HOST AGENCY, the HOST AGENCY, upon notice of such incident from the student, will provide such emergency care as is provided its employees, including, where applicable: examination and evaluation by HOST AGENCY's emergency department or other appropriate facility as soon as possible after the injury; emergency medical care immediately following the injury as necessary; initiation of the HBV, Hepatitis C (HCV), and/or HIV protocol asset 178 of 1481 necessary; and HIV counseling and appropriate testing as necessary. In the event that HOST AGENCY does not have the resources to provide such emergency care, HOST AGENCY will refer such student to the nearest emergency facility. The SCHOOL will define, for its medical students, who bears financial responsibility for any charges generated.

- 6. To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the same extent as such laws and regulations apply to the SCHOOL and shall limit access to only those employees or agents with a need to know. For the purposes of this Agreement, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program.
- 7. Upon request, the HOST AGENCY will provide proof that it maintains liability insurance in an amount that is commercially reasonable.
- 8. The HOST AGENCY will provide written notification to the SCHOOL promptly if a claim arises involving a student. The HOST AGENCY and SCHOOL agree to share such information in a manner that protects such disclosures from discovery to the extent possible under applicable federal and state peer review and joint defense laws.
- 9. The HOST AGENCY will resolve any situation in favor of its patients' welfare and restrict a student to the role of observer when a problem may exist until the incident can be resolved by the staff in charge of the student or the student is removed. The HOST AGENCY will notify the SCHOOL'S course director if such an action is required.
- 10. The HOST AGENCY shall identify a site coordinator from among its medical staff who will communicate and cooperate with the SCHOOL's clerkship director to ensure faculty and medical student access to appropriate resources for the clinical training experience.

C. Mutual Responsibilities

- 1. Representatives for each party will be established on or before the execution of this AGREEMENT.
- 2. The parties will work together to maintain an environment of high quality patient care. At the request of either party, a meeting or conference will promptly be held between SCHOOL and HOST AGENCY representatives to resolve any problems or develop any improvements in the operation of the clinical training program.
- 3. The SCHOOL will provide qualified and competent individuals in adequate number for the instruction, assessment, and supervision of students using the SCHOOL facilities. The HOST AGENCY will provide qualified and competent staff members in adequate number for the instruction and supervision of students using the HOST AGENCY facilities.

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- 4. The SCHOOL and the HOST AGENCY will not discriminate against any employee, applicant or student enrolled in their respective programs because of age, creed, gender identity, national origin, race, sex, sexual orientation or any other basis protected by law.

- 5. The SCHOOL, including its faculty, staff, medical students, and residents, and HOST AGENCY share responsibility for creating an appropriate learning environment that includes both formal learning activities and the attitudes, values, and informal "lessons" conveyed by individuals who interact with the student. The parties will cooperate to evaluate the learning environment (which may include on-site visits) to identify positive and negative influences on the maintenance of professional standards, and to conduct and develop appropriate strategies to enhance the positive and mitigate the negative influences. HOST AGENCY shall require its faculty and staff who interact with students to adhere to the expectations set forth in Exhibit A, and communicate student violations to the SCHOOL. SCHOOL agrees to require its students to adhere to the expectations set forth in Exhibit A.
- 6. HOST AGENCY may immediately remove from the premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. The HOST AGENCY will immediately notify the appropriate office of the SCHOOL if such an action is required and the reasons for such action. The SCHOOL may terminate a student's participation when, in its sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required.

D. Term and Termination

This AGREEMENT is effective upon execution of the Implementation Letter by both parties to the covered clinical training experience(s) and will continue indefinitely or until terminated. This AGREEMENT may be terminated at any time and for any reason by either party upon not less than ninety (90) days prior written notice to the other party. Should notice of termination be given under this Section, students already scheduled to train at HOST AGENCY will be permitted to complete any previously scheduled clinical assignment at HOST AGENCY.

E. Employment Disclaimer

The students participating in the program will not be considered employees or agents of the HOST AGENCY or SCHOOL for any purpose. Students will not be entitled to receive any compensation from HOST AGENCY or SCHOOL or any benefits of employment from HOST AGENCY or SCHOOL, including but not limited to, health care or workers' compensation benefits, vacation, sick time, or any other benefit of employment, direct or indirect. HOST AGENCY will not be required to purchase any form of insurance for the benefit or protection of any student of the SCHOOL.

F. Health Insurance Portability and Accountability Act.

Students participating in clinical training pursuant to this Agreement are members of the HOST AGENCY's workforce for purposes of the Health Insurance Portability and Accountability Act (HIPAA) within the definition of "health care operations" and therefore may have access to patient 180 of 1481 medical information as provided for in the Privacy Rule of HIPAA. Therefore, additional agreements are not necessary for HIPAA compliance purposes. This paragraph applies solely to HIPAA privacy and security regulations applicable to the HOST AGENCY and, as stated in paragraph E, above, does not establish an employment relationship.

G. No Agency Relationship Between the Parties.

Nothing in this Agreement is intended to or shall be construed to constitute or establish an agency, employer/employee, partnership, franchise, or fiduciary relationship between the parties; and neither party shall have the right or authority or shall hold itself out to have the right or authority to bind the other party, nor shall either party be responsible for the acts or omissions of the other except as provided specifically to the contrary herein.

H. Assignment

This AGREEMENT will not be assigned by either party without the prior written consent of the other.

I. Governmental Immunity

If the SCHOOL is a public entity entitled to protections of governmental immunity under applicable law, it is specifically understood and agreed that nothing contained in this paragraph or elsewhere in this AGREEMENT will be construed as: an express or implied waiver by the SCHOOL of its governmental immunity or of its state governmental immunity; an express or implied acceptance by SCHOOL of liabilities arising as a result of actions which lie in tort or could lie in tort in excess of the liabilities allowable under the applicable governmental immunity laws; or, a pledge of the full faith and credit of a debtor contract; or, as the assumption by the SCHOOL of a debt, contract, or liability of the HOST AGENCY.

J. No Special Damages

In no event shall either party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages.

K. Notices

All notices provided by either party to the other will be in writing, and will be deemed to have been duly given when delivered personally or when deposited in the United States mail, First Class, postage prepaid, addressed as indicated in the Uniform Clinical Affiliation Agreement Implementation Letter.

L. No Payments

No payments shall be made between the parties or to the students in connection with this Agreement.

M. Severability



The invalidity of any provision of this AGREEMENT will not affect the validity of any other provisions.

N. Headlines

Headlines in this AGREEMENT are for convenience only.

O. Entire Agreement

This AGREEMENT contains the entire AGREEMENT of the parties as it relates to this subject matter and may be modified only by additional written provisions contained in a properly executed Uniform Clinical Affiliation Agreement Implementation Letter.

EXHIBIT A: TEACHER-LEARNER EXPECTATIONS

The SCHOOL holds in high regard professional behaviors and attitudes, including altruism, integrity, respect for others and a commitment to excellence. Effective learning is best fostered in an environment of mutual respect between teachers and learners. In the context of medical education the term "teacher" is used broadly to include peers, resident physicians, full-time and volunteer faculty members, clinical preceptors, nurses, and ancillary support staff, as well as others from whom students learn.

GUIDING PRINCIPLES:

Duty: Medical educators have a duty to convey the knowledge and skills required for delivering the profession's standard of care and also to instill the values and attitudes required for preserving the medical profession's social contract with its patients.

Integrity: Learning environments that are conducive to conveying professional values must be based on integrity. Students and residents learn professionalism by observing and emulating role models who epitomize authentic professional values and attitudes.

Respect: Respect for every individual is fundamental to the ethic of medicine. Mutual respect is essential for nurturing that ethic. Teachers have a special obligation to ensure that students and residents are always treated respectfully.

RESPONSIBILITIES OF TEACHERS AND LEARNERS:

Teachers should:

- Treat students fairly and respectfully
- Maintain high professional standards in all interactions
- Be prepared and on time
- Provide relevant and timely information
- Provide explicit learning and behavioral expectations early in a course or clerkship
- Provide timely, focused, accurate and constructive feedback on a regular basis and thoughtful and timely evaluations at the end of a course or clerkship
- Display honesty, integrity and compassion
- Practice insightful (Socratic) questioning, which stimulates learning and self-discovery, and avoid overly aggressive questioning which may be perceived as hurtful, humiliating, degrading or punitive

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- · Solicit feedback from students regarding their perception of their educational experiences
- Encourage students who experience mistreatment or who witness unprofessional behavior to report the facts immediately

Students should:

- Be courteous of teachers and fellow students
- Be prepared and on time
- Be active, enthusiastic, curious learners
- Demonstrate professional behavior in all settings
- Recognize that not all learning stems from formal and structured activities
- Recognize their responsibility to establish learning objectives and to participate as an active learner
- Demonstrate a commitment to life-long learning, a practice that is essential to the profession of medicine
- Recognize personal limitations and seek help as needed
- Display honesty, integrity and compassion
- Recognize the privileges and responsibilities coming from the opportunity to work with patients in clinical settings
- Recognize the duty to place patient welfare above their own
- Recognize and respect patients' rights to privacy
- Solicit feedback on their performance and recognize that criticism is not synonymous with "abuse"

Relationships between Teachers and Students

Students and teachers should recognize the special nature of the teacher-learner relationship which is in part defined by professional role modeling, mentorship, and supervision.

Because of the special nature of this relationship, students and teachers should strive to develop their relationship to one characterized by mutual trust, acceptance and confidence. They should both recognize the potential for conflict of interest and respect appropriate boundaries.



June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Methodist Health System by and on behalf of Methodist Dallas Medical Center and Methodist Charlton Medical Center ("HOST AGENCY"), at 1441 N. Beckley Avenue, Dallas, TX 75203 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), a copy of which is attached hereto as Exhibit A and hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. The SCHOOL will not purchase tail insurance, but agrees to maintain professional liability coverage in place, covering any and all students rotating to Host Agency facilities under the AGREEMENT, for the period of limitations applicable to any claim that could arise from the clinical rotations conducted by the students under the terms of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the applicable limitations period.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of



HOST AGENCY, its officers, directors, agents, and employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.

- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that no more than 10 students (of a class size of 60 students/year), conforming to capacity of the HOST AGENCY and SCHOOL in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3–4 students per month for electives, sub-internships, and critical care.", provided however, no student shall rotate to any HOST AGENCY facility unless and until HOST AGENCY has expressly approved such student to conduct a rotation at the HOST AGENCY facility ion question and the duration of such rotation.

The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level that meets generally accepted standards conducive to instruction. If at any time, SCHOOL determines that HOST AGENCY has not maintained its facilities and care at levels consistent with the standards of the Liaison Committee on Medical Education ("LCME"), SCHOOL shall provide HOST AGENCY with written notice of same, citing in detail the specific deficiencies, and HOST AGENCY shall have thirty (30) days to cure such deficiencies, if it so desires. If such deficiencies are not cured, SCHOOL may, as its sole remedy for such failure, terminate this AGREEMENT."

- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and general liability insurance in amounts of at least \$1,000,000 for each occurrence and \$3,000,000 in the aggregate which may be procured on a claims made basis and through a program of self-insurance and excess coverage, provided such coverage applies to HOST AGENCY's employees (including without limitation employed physicians and other employed licensed health professionals), officers and directors.
- D. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions



utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students (including mutually agreeing on the specific Students to rotate to Host Agency facilities) the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL. If at any time, SCHOOL determines that HOST AGENCY has not met the requirements of this Section B.11, SCHOOL shall provide HOST AGENCY with written notice of same, citing in detail the specific deficiencies, and HOST AGENCY shall have thirty (30) days to cure such deficiencies, if it so desires. If such deficiencies are not cured, SCHOOL may, as its sole remedy for such failure, terminate this AGREEMENT"

- E. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory policies that the SCHOOL promulgates or to which the SCHOOL is subject, provided SCHOOL provides HOST AGENCY with prior written notice of all such policies and with adequate time to review and implement any changes needed to comply with same."
- F. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
 - "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and what, if any, specific steps HOST AGENCY is requiring to be taken, and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem and implement the steps to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. In such event, the SCHOOL shall honor HOST AGENCY's request for any student's removal, suspension and/or termination. In addition, the SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required."
- G. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.



- 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
- 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
- 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
- 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.
- H. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:

"K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Methodist Health System 1441 N. Beckley Avenue Dallas, TX 75203

Attn: Designated Institutional Officer

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."



- I. The following additional provisions shall apply and shall be part of the AGREEMENT:
- 1. The parties agree that they will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
- 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
- 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs. The SCHOOL and HOST AGENCY shall exchange data and documentation required by the Centers for Medicare and Medicaid Services for timely and complete reporting of the annual count of trainee FTE positions, under the Intern and Resident Information System (IRIS) and other reporting requirements related to the rotation of trainees to HOST AGENCY and needed for to meet requirements regarding the Medicare Direct Medical Education reimbursement and Indirect Medical Education reimbursement.
- 4. SCHOOOL shall ensure that each Student understands that he/she will be under the general direction of the SCHOOL's policy and procedure manual pertaining to students and under HOST AGENCY's policies applicable to rotating students. SCHOOL will ensure that each student participating in a rotation to HOST AGENCY facilities understands that he/she is responsible for the cost of all medical care provided to such student by HOST AGENCY including, but not limited to, care provided in connection with an blood or bodily fluid exposure.
- 5. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
- 6. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
- 7. The SCHOOL and Host Agency covenant that as to those individuals from their respective entities that are involved in the student rotations governed by this AGREEMENT, none are an "Ineligible Person," as defined herein. An "Ineligible Person" shall be any person (individual or entity) that (i) is currently excluded, debarred, or otherwise ineligible to participate in federal procurement and/or non-procurement programs, or any federal or state health care programs, or (ii) has been convicted of a criminal offense relating to or arising out of the provision of health care services or items, whether or not such person has yet been excluded, debarred, or otherwise declared ineligible, or (iii) is currently listed on the Specially Designated Nationals List maintained by the Office of Foreign Assets Control of the United States Treasury Department and with which U.S. persons are prohibited from dealing. School and Host Agency each certify that it is not an Ineligible Person, and that neither it nor its employees or contractors involved in this student rotation under this Agreement are listed on the General Services Administration's List of Parties Excluded from Federal Programs or the List of Excluded Individuals/Entities maintained



by the Office of Inspector General of the Department of Health and Human Services, or the list of Specially Designated Nationals List maintained by the Office of Foreign Assets Control of the United States Treasury Department.

- 8. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 9. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.
- 10. The parties acknowledge and understand that during the period of the clinical rotation covered by this Agreement, students may be rotating offsite to a private practice setting of the physician(s) who the students have chosen to rotate with ("Offsite Experience"). The SCHOOL and HOST AGENCY expressly agree that HOST AGENCY shall have no responsibility with regard to the Offsite Experience. This Agreement and HOST AGENCY's responsibilities only relate clinical rotations at Methodist Dallas Medical Center and Methodist Charlton Medical Center.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective as of the date signed by the last party to sign this AGREEMENT ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:	TCU and UNTHSC School of Medicine
By:	Stuart D. Flynn
Signature:	Stuart Offyr
Title:	Dean
Date: Address:	Dean Texas Christian University Attn: Stuart D. Flynn, M.D. Dean, TCU and UNTHSC School of Medicine 2800 South University Drive Fort Worth, Texas 76129
HOST AGENCY:	Methodist Health System for and on behalf of: Methodist Dallas Medical Center and Methodist Charlton Medical Center
By:	Pamela J. Stoyanoff
Signature:	
Title:	Ex. V. Pres. & COO
Date:	
Address:	Methodist Dallas Medical Center

1441 N. Beckley Avenue

Dallas, TX 75203



EXHIBIT A

AAMC Uniform Clinical Training Affiliation Agreement - AAMC Publication Date June 4, 2015

[copy of June 4, 2015 uniform agreement is attached on following pages]





PLEASE RETURN SIGNED COPY TO:

Larry D. Tatum, M.D.
Privia Medical Group North Texas
2821 Lackland Rd., Suite 300
Fort Worth, TX 76116



Lawley, John <jlawley@priviahealth.com>

Wed, Jul 26, 2017 at 3:36 PM

Fwd: MD School Clinical Affiliation Agreement

Tatum, MD, Larry < Itatum@priviahealth.com>

To: MAC@txhealthcare.com

Cc: PMGNTE Board cpmgnteboard@priviahealth.com>

for discussion at the MAC tomorrow

LT

----- Forwarded message ------

From: Hicks, Michael < Michael. Hicks@unthsc.edu>

Date: Thu, Jul 20, 2017 at 11:21 PM

Subject: MD School Clinical Affiliation Agreement To: "Larry Tatum, MD" Itatum@priviahealth.com>

Signed

Dear Larry,

Good evening. I hope this note finds you well. We have been hard at work in Fort Worth continuing the development of the MD School collaboratively developed by TCU and UNTHSC. Dean Flynn and the MD school team have been diligently working so that we can submit our application to our accreditation body, the LCME, by August 1. The application contains many elements that we must address including the need to identify clinical faculty. As we discussed a few months ago I am asking Previa Medical Group to consider supporting our application through a Clinical Affiliation Agreement using the documents created by the AAMC and accepted by LCME.

I do not want to give you the impression that this email is meant to supplant the professionalism of a personal conversation nor do I by any means want to appear presumptuous in the relationship between your group and the TCU and UNTHSC School of Medicine. However, as the SOM sprints to its August 1 deadline of sending in all of its materials that will determine if the accreditation body, the LCME, will grant us a site visit in February, 2018, the first positive step towards preliminary accreditation, I would like to start (and hopefully close) on having Previa Medical Group - North Texas as a valued medical school education partner for the school. Your strong affiliation with the school is critical to our short and long term success and I am very excited to have you as a valued partner in our distributive teaching model. I am hopeful that sharing this information by email will expedite the review that will be necessary by your group prior to our discussing, agreeing to the affiliation content and signing.

I have attached two different kinds of documents for your review and for your sharing with other members of your team to ensure that they conform to your group's requirements and capabilities, hoping to have you sign such codifying our relationship prior to the school's submission for accreditation. Given teaching relationships you may have with with other medical schools, you may recognize the documents as they represent the AAMC uniform (and accepted by the LCME) affiliation agreement (document AAMC....) and modifications that either your group or the school would like to offer to this document to "personalize" our functional relationship.

To reiterate past conversations, each class will admit 60 students. During their "clinical clerkship year" they will spend approximately 10 weeks on hospital-based rotations to expose them to in-house surgery/operating room experiences, acute hospital care (ICU, etc.) and labor and delivery. These will occur in late summer/fall of this academic year. The remainder of this year will be primarily focused in ambulatory care clinical settings, but with students following their patients to specialty consultative visits, hospital admission (and working with hospitalists) and of course, other hospital-based experiences for any of their patients (including those experienced on their "immersion" rotations).

I should add a few other comments. First these agreements are entirely for teaching and are not meant to address funds flow. We will have those conversations when both parties are prepared for such. Second and importantly, I apologize for overwhelming you with documents. However (and I must conform), the LCME wants a separate implementation letter for EACH hospital and physician group in a system. The generic AAMC template agreement only needs to be signed once as each implementation letter will point to the template.

In closing, I appreciate your efforts in reviewing these documents necessary to move our affiliation forward and look forward to learning of your thoughts, questions, and concerns. I am happy to meet at your earliest convenience. Please let me know how you would like to include or exclude certain hospitals or "entities" in your organization as we want to value those hospitals that you feel would be interested and superb affiliates with the school. Critically, please let me know if there are elements you would like to add or delete from the implementation letter.

Thank you very much for all of your assistance to date and on behalf of the school of medicine, both universities, and our community, I look forward to working closely with you and your colleagues as we unveil an innovative curriculum to train the next generation of

physicians and other healthcare providers.

Mike (and on behalf of Dean Flynn and the entire TCU and UNTHSC School of Medicine)

Michael R. Hicks, MD, MBA, MHCM Executive Vice President for Clinical Affairs University of North Texas Health Science Center 3500 Camp Bowie Boulevard Fort Worth, Texas 76107 Office 817-735-7648 Cell 972-998-6712

2 attachments



AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT.docx



Previa Medical Group TCU Form Implementation Letter Update 7 17.doc



AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT

WHEREAS, the purpose of this AGREEMENT is to guide and direct the parties respecting their affiliation, working arrangements, and agreements in furtherance thereof to provide high-quality clinical learning experiences for medical students in the SCHOOL.

WHEREAS, this AGREEMENT is intended and shall be interpreted to meet the SCHOOL's accreditation standards related to affiliation agreements with clinical affiliates which require at a minimum:

- The HOST AGENCY will provide medical student, and faculty if applicable, access to appropriate resources for medical student education.
- The SCHOOL is ultimately responsible for the medical education program, academic affairs, and the assessment of medical students.
- The SCHOOL is primarily responsible for the appointment and assignment of faculty members with responsibility for medical student teaching.
- Specification of the responsibility for treatment and follow-up when a medical student is exposed to an infectious or environmental hazard or other occupational injury,
- The shared responsibility of the SCHOOL and HOST AGENCY for creating and maintaining an appropriate learning environment. WHEREAS, neither party intends for this AGREEMENT to alter in any way its respective legal rights or its legal obligations to any third party. NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties identified in the AAMC Uniform Clinical Training Affiliation Agreement Implementation Letter agree as follows:

1 of 14



A. Responsibilities of the SCHOOL

- 1. The SCHOOL will plan and determine the adequacy of the educational experience of the students in theoretical background, basic skill, professional ethics, attitude and behavior and shall assign to the HOST AGENCY only those students who have satisfactorily completed the prerequisite didactic portions of the SCHOOL's curriculum.
- 2. The SCHOOL will retain ultimate responsibility for the education and assessment of its students. The School's representative for this Agreement shall be a faculty member appointed and assigned by the SCHOOL, who will be responsible for medical student teaching and assessment provided pursuant to this Agreement.
- 3. The SCHOOL will advise all students assigned to the HOST AGENCY facilities regarding the confidentiality of patient/client records and patient/client information imparted during the training experience. The SCHOOL will also advise all students that the confidentiality requirements survive the termination or expiration of this AGREEMENT.
- 4. The SCHOOL will require all participating students to maintain health insurance and provide proof of health insurance to the School. The HOST AGENCY may request the student provide proof of health insurance prior to beginning of the training experience.
- 5. The SCHOOL will require all participating students to have completed an appropriate criminal background check, and to have documented appropriate immunizations on file with the SCHOOL. If applicable, the HOST AGENCY shall notify the student of any requests for evidence of criminal background test or immunization. The SCHOOL will inform the student of his/her responsibility to provide evidence to the HOST AGENCY of any required criminal background checks or immunizations, when requested.



The HOST AGENCY shall notify the SCHOOL of its requirements of an acceptable criminal background check and required immunizations. The SCHOOL will also inform students that they may be required to undergo a drug test or other similar screening tests pursuant to the HOST AGENCY'S policies and practices, and that the cost of any such test will be paid by the student, if not the HOST AGENCY.

- 6. The SCHOOL will advise students that they are required to comply with HOST AGENCY rules, regulations, and procedures.
- 7. If requested by the HOST AGENCY, the SCHOOL will provide instruction to the HOST AGENCY'S staff with respect to the SCHOOL's expectations regarding assessment of the SCHOOL'S students at the HOST AGENCY.
- 8. The SCHOOL warrants and represents that it provides occurrence-based liability insurance or self-insurance for its students with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate. However, if the SCHOOL is a public entity entitled to governmental immunity protections under applicable state law, then the SCHOOL shall provide occurrence-based liability coverage in accordance with any limitations associated with the applicable law; but the SCHOOL shall provide such insurance with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate in the event

governmental immunity protections are determined by a court of competent jurisdiction to not apply. If requested by the HOST AGENCY, the SCHOOL shall provide a certificate of insurance demonstrating coverage for students completing clinical training at the HOST AGENCY.

B. Responsibilities of the HOST AGENCY

1. The HOST AGENCY has a responsibility to maintain a positive, respectful, and adequately resourced learning environment so that sound educational experiences can occur.



Therefore, the HOST AGENCY will provide students and faculty with access to appropriate resources for medical student education including: a) access to patients at HOST AGENCY facilities in an appropriately supervised environment, in which the students can complete the SCHOOL's curriculum; b) student security badges or other means of secure access to patient care areas; c) access and required training for medical students in the proper use of electronic medical records or paper charts, as applicable; d) computer access; e) secure storage space for medical students' personal items when at the HOST AGENCY; and f) access to call rooms, if necessary.

- 2. The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain a level of care that meets generally accepted standards conducive to satisfactory instruction. While in HOST AGENCY's facilities, students will have the status of trainees; are not to replace HOST AGENCY staff; and, are not to render unsupervised patient care and/or services. All services rendered by students must have educational value and meet the goals of the medical education program. HOST AGENCY and its staff will provide such supervision of the educational and clinical activities as is reasonable and appropriate to the circumstances and to the student's level of training.
- 3. The HOST AGENCY staff will, upon request, assist the SCHOOL in the assessment of the learning and performance of participating students by completing assessment forms provided by the SCHOOL and returned to the SCHOOL in a timely fashion.
- 4. The HOST AGENCY will provide for the orientation of SCHOOL's participating students as to the HOST AGENCY'S rules, regulations, policies, and procedures.



- 5. The HOST AGENCY agrees to comply with applicable state and federal workplace safety laws and regulations. In the event a student is exposed to an infectious or environmental hazard or other occupational injury (i.e., needle stick) while at the HOST AGENCY, the HOST AGENCY, upon notice of such incident from the student, will provide such emergency care as is provided its employees, including, where applicable: examination and evaluation by HOST AGENCY's emergency department or other appropriate facility as soon as possible after the injury; emergency medical care immediately following the injury as necessary; initiation of the HBV, Hepatitis C (HCV), and/or HIV protocol as necessary; and HIV counseling and appropriate testing as necessary. In the event that HOST AGENCY does not have the resources to provide such emergency care, HOST AGENCY will refer such student to the nearest emergency facility. The SCHOOL will define, for its medical students, who bears financial responsibility for any charges generated.
- 6. To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the same extent as such laws and regulations apply to the SCHOOL and shall limit access to only those employees or agents with a need to know. For the purposes of this Agreement, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program.
- 7. Upon request, the HOST AGENCY will provide proof that it maintains liability insurance in an amount that is commercially reasonable.
- 8. The HOST AGENCY will provide written notification to the SCHOOL promptly if a claim arises involving a student. The HOST AGENCY and SCHOOL agree to share such information in a manner that protects such disclosures from discovery to the extent possible under applicable federal and state peer review and joint defense laws.



- 9. The HOST AGENCY will resolve any situation in favor of its patients' welfare and restrict a student to the role of observer when a problem may exist until the incident can be resolved by the staff in charge of the student or the student is removed. The HOST AGENCY will notify the SCHOOL'S course director if such an action is required.
- 10. The HOST AGENCY shall identify a site coordinator from among its medical staff who will communicate and cooperate with the SCHOOL's clerkship director to ensure faculty and medical student access to appropriate resources for the clinical training experience.

C. Mutual Responsibilities

- 1. Representatives for each party will be established on or before the execution of this AGREEMENT.
- 2. The parties will work together to maintain an environment of high quality patient care. At the request of either party, a meeting or conference will promptly be held between SCHOOL and HOST AGENCY representatives to resolve any problems or develop any improvements in the operation of the clinical training program.
- 3. The SCHOOL will provide qualified and competent individuals in adequate number for the instruction, assessment, and supervision of students using the SCHOOL facilities. The HOST AGENCY will provide qualified and competent staff members in adequate number for the instruction and supervision of students using the HOST AGENCY facilities.
- 4. The SCHOOL and the HOST AGENCY will not discriminate against any employee, applicant or student enrolled in their respective programs because of age, creed, gender identity, national origin, race, sex, sexual orientation or any other basis protected by law.



- 5. The SCHOOL, including its faculty, staff, medical students, and residents, and HOST AGENCY share responsibility for creating an appropriate learning environment that includes both formal learning activities and the attitudes, values, and informal "lessons" conveyed by individuals who interact with the student. The parties will cooperate to evaluate the learning environment (which may include on-site visits) to identify positive and negative influences on the maintenance of professional standards, and to conduct and develop appropriate strategies to enhance the positive and mitigate the negative influences. HOST AGENCY shall require its faculty and staff who interact with students to adhere to the expectations set forth in Exhibit A, and communicate student violations to the SCHOOL. SCHOOL agrees to require its students to adhere to the expectations set forth in Exhibit A.
- 6. HOST AGENCY may immediately remove from the premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. The HOST AGENCY will immediately notify the appropriate office of the SCHOOL if such an action is required and the reasons for such action. The SCHOOL may terminate a student's participation when, in its sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required.

D. Term and Termination

This AGREEMENT is effective upon execution of the Implementation Letter by both parties to the covered clinical training experience(s) and will continue indefinitely or until terminated. This AGREEMENT may be terminated at any time and for any reason by either party upon not less than ninety (90) days prior written notice to the other party. Should notice of termination be given under this Section, students already scheduled to train at HOST AGENCY will be permitted to complete any previously scheduled clinical assignment at HOST AGENCY.



E. Employment Disclaimer

The students participating in the program will not be considered employees or agents of the HOST AGENCY or SCHOOL for any purpose. Students will not be entitled to receive any compensation from HOST AGENCY or SCHOOL or any benefits of employment from HOST

AGENCY or SCHOOL, including but not limited to, health care or workers' compensation benefits, vacation, sick time, or any other benefit of employment, direct or indirect. HOST AGENCY will not be required to purchase any form of insurance for the benefit or protection of any student of the SCHOOL.

F. Health Insurance Portability and Accountability Act.

Students participating in clinical training pursuant to this Agreement are members of the HOST AGENCY's workforce for purposes of the Health Insurance Portability and Accountability Act (HIPAA) within the definition of "health care operations" and therefore may have access to patient medical information as provided for in the Privacy Rule of HIPAA. Therefore, additional agreements are not necessary for HIPAA compliance purposes. This paragraph applies solely to HIPAA privacy and security regulations applicable to the HOST AGENCY and, as stated in paragraph E, above, does not establish an employment relationship.

G. No Agency Relationship Between the Parties.

Nothing in this Agreement is intended to or shall be construed to constitute or establish an agency, employer/employee, partnership, franchise, or fiduciary relationship between the parties; and neither party shall have the right or authority or shall hold itself out to have the right or authority to bind the other party, nor shall either party be responsible for the acts or omissions of the other except as provided specifically to the contrary herein.



H. Assignment

This AGREEMENT will not be assigned by either party without the prior written consent of the other.

I. Governmental Immunity

If the SCHOOL is a public entity entitled to protections of governmental immunity under applicable law, it is specifically understood and agreed that nothing contained in this paragraph or elsewhere in this AGREEMENT will be construed as: an express or implied waiver by the SCHOOL of its governmental immunity or of its state governmental immunity; an express or implied acceptance by SCHOOL of liabilities arising as a result of actions which lie in tort or could lie in tort in excess of the liabilities allowable under the applicable governmental immunity laws; or, a pledge of the full faith and credit of a debtor contract; or, as the assumption by the SCHOOL of a debt, contract, or liability of the HOST AGENCY.

J. No Special Damages

In no event shall either party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages.

K. Notices

All notices provided by either party to the other will be in writing, and will be deemed to have been duly given when delivered personally or when deposited in the United States mail, First Class, postage prepaid, addressed as indicated in the Uniform Clinical Affiliation Agreement Implementation Letter.



L. No Payments

No payments shall be made between the parties or to the students in connection with this Agreement.

M. Severability

The invalidity of any provision of this AGREEMENT will not affect the validity of any other provisions.

N. Headlines

Headlines in this AGREEMENT are for convenience only.

O. Entire Agreement

This AGREEMENT contains the entire AGREEMENT of the parties as it relates to this subject matter and may be modified only by additional written provisions contained in a properly executed Uniform Clinical Affiliation Agreement Implementation Letter.



EXHIBIT A: TEACHER-LEARNER EXPECTATIONS

The SCHOOL holds in high regard professional behaviors and attitudes, including altruism, integrity, respect for others and a commitment to excellence. Effective learning is best fostered in an environment of mutual respect between teachers and learners. In the context of medical education the term "teacher" is used broadly to include peers, resident physicians, full-time and volunteer faculty members, clinical preceptors, nurses, and ancillary support staff, as well as others from whom students learn.

GUIDING PRINCIPLES:

Duty: Medical educators have a duty to convey the knowledge and skills required for delivering the profession's standard of care and also to instill the values and attitudes required for preserving the medical profession's social contract with its patients.

Integrity: Learning environments that are conducive to conveying professional values must be based on integrity. Students and residents learn professionalism by observing and emulating role models who epitomize authentic professional values and attitudes.



Respect: Respect for every individual is fundamental to the ethic of medicine. Mutual respect is essential for nurturing that ethic. Teachers have a special obligation to ensure that students and residents are always treated respectfully.

RESPONSIBILITIES OF TEACHERS AND LEARNERS:

Teachers should:

- Treat students fairly and respectfully
- Maintain high professional standards in all interactions
- Be prepared and on time
- Provide relevant and timely information
- Provide explicit learning and behavioral expectations early in a course or clerkship
- Provide timely, focused, accurate and constructive feedback on a regular basis and thoughtful and timely evaluations at the end of a course or clerkship
 - Display honesty, integrity and compassion
- Practice insightful (Socratic) questioning, which stimulates learning and self-discovery, and avoid overly aggressive questioning which may be perceived as hurtful, humiliating, degrading or punitive

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- Solicit feedback from students regarding their perception of their educational experiences
 - Encourage students who experience mistreatment or who witness unprofessional behavior to report the facts immediately

Students should:

- Be courteous of teachers and fellow students
- Be prepared and on time
- Be active, enthusiastic, curious learners
- Demonstrate professional behavior in all settings
- Recognize that not all learning stems from formal and structured activities
- Recognize their responsibility to establish learning objectives and to participate as an active learner
- Demonstrate a commitment to life-long learning, a practice that is essential to the profession of medicine
- Recognize personal limitations and seek help as needed
- Display honesty, integrity and compassion
- Recognize the privileges and responsibilities coming from the opportunity to work with patients in clinical settings



- Recognize the duty to place patient welfare above their own
- Recognize and respect patients' rights to privacy
- Solicit feedback on their performance and recognize that criticism is not synonymous with "abuse" Relationships between Teachers and Students Students and teachers should recognize the special nature of the teacher-learner relationship which is in part defined by professional role modeling, mentorship, and supervision. Because of the special nature of this relationship, students and teachers should strive to develop their relationship to one characterized by mutual trust, acceptance and confidence. They should both recognize the potential for conflict of interest and respect appropriate boundaries.



July 20, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Previa Medical Group – North Texas ("HOST AGENCY"), at 2821 Lackland Road, Suite 300, Fort Worth, Texas 76116 in respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for

avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.

- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following: "HOST AGENCY acknowledges that SCHOOL is subject to licensing and accreditation standards. In the event that any act or omission of HOST AGENCY (including without limitation HOST AGENCY's failure to maintain its facilities at a level that meets licensure and/or accreditation standards) results in any deficiency or similar finding by any entity that licenses or accredits SCHOOL, or places SCHOOL's licensure or accreditation at risk, SCHOOL will share such information with HOST AGENCY. HOST AGENCY will take steps to remedy the matter within the period of time permitted by the applicable licensure or accreditation body. HOST AGENCY understands that if it fails to remedy adequately the matter within such allotted time, or if it is apparent to SCHOOL that HOST AGENCY will not be able to do so, SCHOOL may terminate this Agreement immediately upon notice to HOST AGENCY, and HOST AGENCY shall provide reasonable assistance in transferring SCHOOL's students to other training sites."
- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- E. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6
 - "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other

employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."

- F. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.
- G. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States

Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Previa Medical Group – North Texas 2821 Lackland Road, Suite 300

Fort Worth, Texas 76116

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- H. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to

Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.

- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]

This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

Signature:

By: Title: Stuart D. Flynn

Dean, TCU and UNTHSC School of Medicine

Date:

Signature:

By:

Fred Friedrich

Title:

Senior Associate Dean of Finance and Administration

TCU and UNTHSC School of Medicine

Date:

HOST AGENCY:

Previa Medical Group – North Texas

By:

Signature:

Title:

Chief Executive Officer

Larry Tatum, MD

Date:

Address:

2821 Lackland Road, Suite 300

Fort Worth, Texas 76116



AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT

WHEREAS, the purpose of this AGREEMENT is to guide and direct the parties respecting their affiliation, working arrangements, and agreements in furtherance thereof to provide high-quality clinical learning experiences for medical students in the SCHOOL.

WHEREAS, this AGREEMENT is intended and shall be interpreted to meet the SCHOOL's accreditation standards related to affiliation agreements with clinical affiliates which require at a minimum:

- The HOST AGENCY will provide medical student, and faculty if applicable, access to appropriate resources for medical student education.
- The SCHOOL is ultimately responsible for the medical education program, academic affairs, and the assessment of medical students.
- The SCHOOL is primarily responsible for the appointment and assignment of faculty members with responsibility for medical student teaching.
- Specification of the responsibility for treatment and follow-up when a medical student is exposed to an infectious or environmental hazard or other occupational injury,
- The shared responsibility of the SCHOOL and HOST AGENCY for creating and maintaining an appropriate learning environment. WHEREAS, neither party intends for this AGREEMENT to alter in any way its respective legal rights or its legal obligations to any third party. NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties identified in the AAMC Uniform Clinical Training Affiliation Agreement Implementation Letter agree as follows:

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A. Responsibilities of the SCHOOL

- 1. The SCHOOL will plan and determine the adequacy of the educational experience of the students in theoretical background, basic skill, professional ethics, attitude and behavior and shall assign to the HOST AGENCY only those students who have satisfactorily completed the prerequisite didactic portions of the SCHOOL's curriculum.
- 2. The SCHOOL will retain ultimate responsibility for the education and assessment of its students. The School's representative for this Agreement shall be a faculty member appointed and assigned by the SCHOOL, who will be responsible for medical student teaching and assessment provided pursuant to this Agreement.
- 3. The SCHOOL will advise all students assigned to the HOST AGENCY facilities regarding the confidentiality of patient/client records and patient/client information imparted during the training experience. The SCHOOL will also advise all students that the confidentiality requirements survive the termination or expiration of this AGREEMENT.
- 4. The SCHOOL will require all participating students to maintain health insurance and provide proof of health insurance to the School. The HOST AGENCY may request the student provide proof of health insurance prior to beginning of the training experience.
- 5. The SCHOOL will require all participating students to have completed an appropriate criminal background check, and to have documented appropriate immunizations on file with the SCHOOL. If applicable, the HOST AGENCY shall notify the student of any requests for evidence of criminal background test or immunization. The SCHOOL will inform the student of his/her responsibility to provide evidence to the HOST AGENCY of any required criminal background checks or immunizations, when requested.



The HOST AGENCY shall notify the SCHOOL of its requirements of an acceptable criminal background check and required immunizations. The SCHOOL will also inform students that they may be required to undergo a drug test or other similar screening tests pursuant to the HOST AGENCY'S policies and practices, and that the cost of any such test will be paid by the student, if not the HOST AGENCY.

- The SCHOOL will advise students that they are required to comply with HOST AGENCY rules, regulations, and procedures.
- 7. If requested by the HOST AGENCY, the SCHOOL will provide instruction to the HOST AGENCY'S staff with respect to the SCHOOL's expectations regarding assessment of the SCHOOL'S students at the HOST AGENCY.
- 8. The SCHOOL warrants and represents that it provides occurrence-based liability insurance or self-insurance for its students with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate. However, if the SCHOOL is a public entity entitled to governmental immunity protections under applicable state law, then the SCHOOL shall provide occurrence-based liability coverage in accordance with any limitations associated with the applicable law; but the SCHOOL shall provide such insurance with limits of at least \$1,000,000 per occurrence and \$3,000,000 annual aggregate in the event

governmental immunity protections are determined by a court of competent jurisdiction to not apply. If requested by the HOST AGENCY, the SCHOOL shall provide a certificate of insurance demonstrating coverage for students completing clinical training at the HOST AGENCY.

B. Responsibilities of the HOST AGENCY

1. The HOST AGENCY has a responsibility to maintain a positive, respectful, and adequately resourced learning environment so that sound educational experiences can occur.



Therefore, the HOST AGENCY will provide students and faculty with access to appropriate resources for medical student education including: a) access to patients at HOST AGENCY facilities in an appropriately supervised environment, in which the students can complete the SCHOOL's curriculum; b) student security badges or other means of secure access to patient care areas; c) access and required training for medical students in the proper use of electronic medical records or paper charts, as applicable; d) computer access; e) secure storage space for medical students' personal items when at the HOST AGENCY; and f) access to call rooms, if necessary.

- 2. The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain a level of care that meets generally accepted standards conducive to satisfactory instruction. While in HOST AGENCY's facilities, students will have the status of trainees; are not to replace HOST AGENCY staff; and, are not to render unsupervised patient care and/or services. All services rendered by students must have educational value and meet the goals of the medical education program. HOST AGENCY and its staff will provide such supervision of the educational and clinical activities as is reasonable and appropriate to the circumstances and to the student's level of training.
- 3. The HOST AGENCY staff will, upon request, assist the SCHOOL in the assessment of the learning and performance of participating students by completing assessment forms provided by the SCHOOL and returned to the SCHOOL in a timely fashion.
- 4. The HOST AGENCY will provide for the orientation of SCHOOL's participating students as to the HOST AGENCY'S rules, regulations, policies, and procedures.

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- 5. The HOST AGENCY agrees to comply with applicable state and federal workplace safety laws and regulations. In the event a student is exposed to an infectious or environmental hazard or other occupational injury (i.e., needle stick) while at the HOST AGENCY, the HOST AGENCY, upon notice of such incident from the student, will provide such emergency care as is provided its employees, including, where applicable: examination and evaluation by HOST AGENCY's emergency department or other appropriate facility as soon as possible after the injury; emergency medical care immediately following the injury as necessary; initiation of the HBV, Hepatitis C (HCV), and/or HIV protocol as necessary; and HIV counseling and appropriate testing as necessary. In the event that HOST AGENCY does not have the resources to provide such emergency care, HOST AGENCY will refer such student to the nearest emergency facility. The SCHOOL will define, for its medical students, who bears financial responsibility for any charges generated.
- 6. To the extent the HOST AGENCY, generates or maintains educational records related to the participating student, the HOST AGENCY agrees to comply with the Family Educational Rights and Privacy Act (FERPA), to the same extent as such laws and regulations apply to the SCHOOL and shall limit access to only those employees or agents with a need to know. For the purposes of this Agreement, pursuant to FERPA, SCHOOL hereby designates HOST AGENCY as a school official with a legitimate educational interest in the educational records of the participating student(s) to the extent that access to the SCHOOL's records is required by HOST AGENCY to carry out the Program.
- 7. Upon request, the HOST AGENCY will provide proof that it maintains liability insurance in an amount that is commercially reasonable.
- 8. The HOST AGENCY will provide written notification to the SCHOOL promptly if a claim arises involving a student. The HOST AGENCY and SCHOOL agree to share such information in a manner that protects such disclosures from discovery to the extent possible under applicable federal and state peer review and joint defense laws.

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- 9. The HOST AGENCY will resolve any situation in favor of its patients' welfare and restrict a student to the role of observer when a problem may exist until the incident can be resolved by the staff in charge of the student or the student is removed. The HOST AGENCY will notify the SCHOOL'S course director if such an action is required.
- 10. The HOST AGENCY shall identify a site coordinator from among its medical staff who will communicate and cooperate with the SCHOOL's clerkship director to ensure faculty and medical student access to appropriate resources for the clinical training experience.

C. Mutual Responsibilities

- 1. Representatives for each party will be established on or before the execution of this AGREEMENT.
- 2. The parties will work together to maintain an environment of high quality patient care. At the request of either party, a meeting or conference will promptly be held between SCHOOL and HOST AGENCY representatives to resolve any problems or develop any improvements in the operation of the clinical training program.
- 3. The SCHOOL will provide qualified and competent individuals in adequate number for the instruction, assessment, and supervision of students using the SCHOOL facilities. The HOST AGENCY will provide qualified and competent staff members in adequate number for the instruction and supervision of students using the HOST AGENCY facilities.
- 4. The SCHOOL and the HOST AGENCY will not discriminate against any employee, applicant or student enrolled in their respective programs because of age, creed, gender identity, national origin, race, sex, sexual orientation or any other basis protected by law.

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5. The SCHOOL, including its faculty, staff, medical students, and residents, and HOST AGENCY share responsibility for creating an appropriate learning environment that includes both formal learning activities and the attitudes, values, and informal "lessons" conveyed by individuals who interact with the student. The parties will cooperate to evaluate the learning environment (which may include on-site visits) to identify positive and negative influences on the maintenance of professional standards, and to conduct and develop appropriate strategies to enhance the positive and mitigate the negative influences. HOST AGENCY shall require its faculty and staff who interact with students to adhere to the expectations set forth in Exhibit A, and communicate student violations to the SCHOOL. SCHOOL agrees to require its students to adhere to the expectations set forth in Exhibit A.

6. HOST AGENCY may immediately remove from the premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. The HOST AGENCY will immediately notify the appropriate office of the SCHOOL if such an action is required and the reasons for such action. The SCHOOL may terminate a student's participation when, in its sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY if such action is required.

D. Term and Termination

This AGREEMENT is effective upon execution of the Implementation Letter by both parties to the covered clinical training experience(s) and will continue indefinitely or until terminated. This AGREEMENT may be terminated at any time and for any reason by either party upon not less than ninety (90) days prior written notice to the other party. Should notice of termination be given under this Section, students already scheduled to train at HOST AGENCY will be permitted to complete any previously scheduled clinical assignment at HOST AGENCY.



E. Employment Disclaimer

The students participating in the program will not be considered employees or agents of the HOST AGENCY or SCHOOL for any purpose. Students will not be entitled to receive any compensation from HOST AGENCY or SCHOOL or any benefits of employment from HOST

AGENCY or SCHOOL, including but not limited to, health care or workers' compensation benefits, vacation, sick time, or any other benefit of employment, direct or indirect. HOST AGENCY will not be required to purchase any form of insurance for the benefit or protection of any student of the SCHOOL.

F. Health Insurance Portability and Accountability Act.

Students participating in clinical training pursuant to this Agreement are members of the HOST AGENCY's workforce for purposes of the Health Insurance Portability and Accountability Act (HIPAA) within the definition of "health care operations" and therefore may have access to patient medical information as provided for in the Privacy Rule of HIPAA. Therefore, additional agreements are not necessary for HIPAA compliance purposes. This paragraph applies solely to HIPAA privacy and security regulations applicable to the HOST AGENCY and, as stated in paragraph E, above, does not establish an employment relationship.

G. No Agency Relationship Between the Parties.

Nothing in this Agreement is intended to or shall be construed to constitute or establish an agency, employer/employee, partnership, franchise, or fiduciary relationship between the parties; and neither party shall have the right or authority or shall hold itself out to have the right or authority to bind the other party, nor shall either party be responsible for the acts or omissions of the other except as provided specifically to the contrary herein.

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H. Assignment

This AGREEMENT will not be assigned by either party without the prior written consent of the other.

I. Governmental Immunity

If the SCHOOL is a public entity entitled to protections of governmental immunity under applicable law, it is specifically understood and agreed that nothing contained in this paragraph or elsewhere in this AGREEMENT will be construed as: an express or implied waiver by the SCHOOL of its governmental immunity or of its state governmental immunity; an express or implied acceptance by SCHOOL of liabilities arising as a result of actions which lie in tort or could lie in tort in excess of the liabilities allowable under the applicable governmental immunity laws; or, a pledge of the full faith and credit of a debtor contract; or, as the assumption by the SCHOOL of a debt, contract, or liability of the HOST AGENCY.

J. No Special Damages

In no event shall either party be liable hereunder (whether in an action in negligence, contract or tort or based on a warranty or otherwise) for any indirect, incidental, special or consequential damages incurred by the other party or any third party, even if the party has been advised of the possibility of such damages.

K. Notices

All notices provided by either party to the other will be in writing, and will be deemed to have been duly given when delivered personally or when deposited in the United States mail, First Class, postage prepaid, addressed as indicated in the Uniform Clinical Affiliation Agreement Implementation Letter.



L. No Payments

No payments shall be made between the parties or to the students in connection with this Agreement.

M. Severability

The invalidity of any provision of this AGREEMENT will not affect the validity of any other provisions.

N. Headlines

Headlines in this AGREEMENT are for convenience only.

O. Entire Agreement

This AGREEMENT contains the entire AGREEMENT of the parties as it relates to this subject matter and may be modified only by additional written provisions contained in a properly executed Uniform Clinical Affiliation Agreement Implementation Letter.



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Dean

Date:

Title:

July 26, 2017

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Arlington Memorial

By:

Blake fret

Signature:

Blake Any

Title:

7-74-17

Date:
Address:

800 W Randol Mill Rd

Arrigion TX 7661

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EXHIBIT A: TEACHER-LEARNER EXPECTATIONS

The SCHOOL holds in high regard professional behaviors and attitudes, including altruism, integrity, respect for others and a commitment to excellence. Effective learning is best fostered in an environment of mutual respect between teachers and learners. In the context of medical education the term "teacher" is used broadly to include peers, resident physicians, full-time and volunteer faculty members, clinical preceptors, nurses, and ancillary support staff, as well as others from whom students learn.

GUIDING PRINCIPLES:

Duty: Medical educators have a duty to convey the knowledge and skills required for delivering the profession's standard of care and also to instill the values and attitudes required for preserving the medical profession's social contract with its patients.

Integrity: Learning environments that are conducive to conveying professional values must be based on integrity. Students and residents learn professionalism by observing and emulating role models who epitomize authentic professional values and attitudes.



Respect: Respect for every individual is fundamental to the ethic of medicine. Mutual respect is essential for nurturing that ethic. Teachers have a special obligation to ensure that students and residents are always treated respectfully.

RESPONSIBILITIES OF TEACHERS AND LEARNERS:

Teachers should:

- Treat students fairly and respectfully
- Maintain high professional standards in all interactions
- Be prepared and on time
- Provide relevant and timely information
- Provide explicit learning and behavioral expectations early in a course or clerkship
- Provide timely, focused, accurate and constructive feedback on a regular basis and thoughtful and timely evaluations at the end of a course or clerkship
 - Display honesty, integrity and compassion
- Practice insightful (Socratic) questioning, which stimulates learning and self-discovery, and avoid overly aggressive questioning which may be perceived as hurtful, humiliating, degrading or punitive



- Solicit feedback from students regarding their perception of their educational experiences
 - Encourage students who experience mistreatment or who witness unprofessional behavior to report the facts immediately

Students should:

- Be courteous of teachers and fellow students
- Be prepared and on time
- Be active, enthusiastic, curious learners
- Demonstrate professional behavior in all settings
- Recognize that not all learning stems from formal and structured activities
- Recognize their responsibility to establish learning objectives and to participate as an active learner
- Demonstrate a commitment to life-long learning, a practice that is essential to the profession of medicine
- Recognize personal limitations and seek help as needed
- Display honesty, integrity and compassion
- Recognize the privileges and responsibilities coming from the opportunity to work with patients in clinical settings



- Recognize the duty to place patient welfare above their own
- Recognize and respect patients' rights to privacy
- Solicit feedback on their performance and recognize that criticism is not synonymous with "abuse" Relationships between Teachers and Students Students and teachers should recognize the special nature of the teacher-learner relationship which is in part defined by professional role modeling, mentorship, and supervision. Because of the special nature of this relationship, students and teachers should strive to develop their relationship to one characterized by mutual trust, acceptance and confidence. They should both recognize the potential for conflict of interest and respect appropriate boundaries.





June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Texas Health Arlington Memorial Hospital ("HOST AGENCY"), at 800 W. Randol Mill Road, Arlington, Texas 76012 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the LICTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.



- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- E. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability;



pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."

- F. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- **6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- G. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.



- H. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Arlington Memorial Hospital

800 W. Randol Mill Road Arlington, TX 76102

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- I. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions



thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.

- 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Dean

Date:

Address:

Title:

Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Arlington Memorial Hospital

By:

Signature:

Title:

Date:
Address:

Paril + 1

7-24-11

Texas Health Arlington Memorial Hospital

800 W. Randol Mill Road Arlington, TX 76102



June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Texas Health Harris Methodist Hospital Alliance ("HOST AGENCY"), at 10864 Texas Health Trail, Fort Worth, Texas 76244 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.



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- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

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"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- E. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability;



pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."

- F. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- *6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- G. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.



- H. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Harris Methodist Hospital Alliance

10864 Texas Health Trail Fort Worth, TX 76244

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- I. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions



thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.

- 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

S	C	H	O	O	L:	

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Dean

Title:

Address:

Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Harris Methodist Hospital Alliance

By:

Clint Abernathy

Signature:

0 ...

Title:

7/24/17

Address:

Texas Health Harris Methodist Hospital Alliance

10864 Texas Health Trail Fort Worth, TX 76244



June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Texas Health Harris Methodist Hospital Alliance ("HOST AGENCY"), at 10864 Texas Health Trail, Fort Worth, Texas 76244 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.



- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- E. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability;



pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."

- F. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- G. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.



- H. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL: Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY: Texas Health Harris Methodist Hospital Alliance

10864 Texas Health Trail Fort Worth, TX 76244

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- I. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions



thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.

- 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



Ag. 2/31/17

This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Dean

Title:
Date:

Address:

Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Harris Methodist Hospital Alliance

By:

Clint Abernathy

Signature:

Clot Menuncy

Title:

Date:

7/0./.7

Address:

Texas Health Harris Methodist Hospital Alliance

10864 Texas Health Trail Fort Worth, TX 76244



June 9, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Texas Health Harris Methodist Hospital Southwest Fort Worth ("HOST AGENCY"), at 6100 Harris Parkway, Fort Worth, Texas 76132 with respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.



- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The following shall be added to B.1 of the UCTAA:

"These would include access to a small conference room, a place for students to lock up their belongings, 1-2 on call rooms in toto as needed, parking spaces conforming to hospital standards/expectations. Aligning with the school's curriculum, it is anticipated that 8-10 students (of a class size of 60 students/year) in the fall of their clerkship year (10 weeks) will be immersed in hospital-based clinical care at some of the hospital affiliates and then 3-4 students per month for electives, sub-internships, and critical care."

The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following:

"The HOST AGENCY will retain full authority and responsibility for patient care and quality standards, and will maintain its facilities and care at a level (a) that meets generally accepted standards conducive to instruction; and (b) that is consistent with the standards of the Liaison Committee on Medical Education ("LCME")."

- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. The following shall be added as Section B.11. to the UCTAA:
 - "11. HOST AGENCY shall provide an appropriate learning environment and undergraduate medical education services to duly registered and eligible SCHOOL students ("Student(s)"), which at minimum shall meet the applicable standards of the LCME. The clinical rotations shall include teaching sessions utilizing small classrooms, teaching at the bedside, patient case presentations and procedural skills. The Parties shall mutually agree to the number of Student rotations and Students the HOST AGENCY can accommodate in accordance with the curricular needs of the SCHOOL."
- E. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability;



pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."

- F. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."
- G. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.



H. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:

"K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL: Texas Christian University

Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Harris Methodist Hospital Southwest Fort Worth

6100 Harris Parkway Fort Worth, TX 76132

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- I. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions



thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.

- 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
- 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.
- 8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]



This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL:

TCU and UNTHSC School of Medicine

By:

Stuart D. Flynn

Signature:

Title: Dean

Date:

A () = 0 .

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY:

Texas Health Harris Methodist Hospital Southwest Fort Worth

By:

Signature:

Title:

Date:

Address:

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+regaint

Texas Health Harris Methodist Hospital Southwest Fort Worth

6100 Harris Parkway Fort Worth, TX 76132



July 17, 2017

AAMC UNIFORM CLINICAL TRAINING AFFILIATION AGREEMENT IMPLEMENTATION LETTER

The purpose of this letter ("Implementation Letter") is to provide a record of the clinical training affiliation agreement between Texas Christian University ("SCHOOL"), at 2800 South University Drive, Fort Worth, Texas 76129, and Texas Health Physicians Group ("HOST AGENCY"), at Texas Health Resources Arlington Tower, 612 E. Lamar, Suite 500, Arlington TX 76011 in respect to a clinical training experience for the SCHOOL's registered students. The SCHOOL and the HOST AGENCY may be individually referred to herein as a "Party" to this AGREEMENT and they may be referred to collectively as the "Parties" to this AGREEMENT.

The Parties hereby confirm and restate their agreement to abide by all terms and conditions of the AAMC Uniform Clinical Training Affiliation Agreement (AAMC Publication Date June 4, 2015) (the "UCTAA"), which is hereby incorporated by reference as if fully set forth herein, without modification or exception except as specified below. This Implementation Letter and the UCTAA are collectively the "AGREEMENT" between the Parties.

The following provisions shall be revised and/or added to the AGREEMENT as modifications or exceptions to the UCTAA:

- A. Section A.8. of the UCTAA is hereby deleted and replaced with the following new Section A.8.:
 - "8. Insurance; Hold Harmless.
 - 8.1 The SCHOOL will provide "claims made" professional liability insurance for students training in a clinical setting in the amount of \$1,000,000 per occurrence and \$3,000,000 aggregate. If requested by the HOST AGENCY, the SCHOOL shall provide certificates of liability insurance to HOST AGENCY indicating coverage of the SCHOOL's students training in a clinical setting for their acts, failure to act or negligence arising out of or caused by the activity which is the subject of this AGREEMENT.
 - 8.2 The SCHOOL will not list the HOST AGENCY as additional insured. [The SCHOOL will not purchase tail insurance, but agrees to keep its insurance coverage in effect for two years following the termination of this AGREEMENT. In the event it does not maintain coverage for that time period, the SCHOOL will purchase tail insurance for the remaining portion of the two-year commitment.
 - 8.3 The HOST AGENCY agrees that, to the extent permissible under applicable law and within and up to any limits established by applicable law, it will indemnify and hold harmless the SCHOOL, its servants, agents and employees, and any students training at the HOST AGENCY, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act or negligence of HOST AGENCY, its servants, agents, volunteer personnel, patients. visitors or employees (excluding, for



avoidance of doubt, the SCHOOL, its agents, employees and students) in connection with or arising out of the activity which is the subject of this AGREEMENT.

- 8.4 The SCHOOL agrees that, within and to the limits of its comprehensive liability insurance coverage, it will indemnify and hold harmless the HOST AGENCY, its agents and employees, from any and all liability, damage, expense, causes of action, suits, claims or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of the SCHOOL, its agents, employees and students (excluding, for avoidance of doubt, the HOST AGENCY, its servants, agents, volunteer personnel, patients, visitors and employees) in connection with or arising out of the activity which is the subject of this AGREEMENT."
- B. The first sentence of Section B.2. of the UCTAA is hereby deleted and replaced with the following: "HOST AGENCY acknowledges that SCHOOL is subject to licensing and accreditation standards. In the event that any act or omission of HOST AGENCY (including without limitation HOST AGENCY's failure to maintain its facilities at a level that meets licensure and/or accreditation standards) results in any deficiency or similar finding by any entity that licenses or accredits SCHOOL, or places SCHOOL's licensure or accreditation at risk, SCHOOL will share such information with HOST AGENCY. HOST AGENCY will take steps to remedy the matter within the period of time permitted by the applicable licensure or accreditation body. HOST AGENCY understands that if it fails to remedy adequately the matter within such allotted time, or if it is apparent to SCHOOL that HOST AGENCY will not be able to do so, SCHOOL may terminate this Agreement immediately upon notice to HOST AGENCY, and HOST AGENCY shall provide reasonable assistance in transferring SCHOOL's students to other training sites."
- C. Section B.7. of the UCTAA is hereby deleted and replaced with the following new Section B.7.:
 - "7. Upon request, the HOST AGENCY will provide proof that it maintains professional liability and other customary insurance in amounts that (a) are commercially reasonable, consistent with industry standards and sufficient to insure its and its employees (including without limitation employed physicians and other licensed health professionals), officers and directors against foreseeable losses arising from HOST AGENCY's performance of its obligations hereunder and its operation of its facilities; and (b) meet any applicable statutory or regulatory requirements for coverage.
- D. Section C.4. of the UCTAA is hereby deleted and replaced with the following new Section C.4.:
 - "4. The HOST AGENCY and the SCHOOL agree that neither will engage in discrimination that is prohibited by applicable law against any individual on the basis of age; sex; gender identity/expression or transgender status; sexual orientation; race; creed; color; religious belief; national origin; disability; pregnancy, childbirth or a related medical condition; genetic information; military service; or status as a protected veteran, and the HOST AGENCY further agrees to comply with all non-discriminatory laws and policies that the SCHOOL promulgates or to which the SCHOOL is subject."
- E. Section C.6 of the UCTAA is hereby deleted and replaced with the following new Section C.6:
- "6. HOST AGENCY may remove from its premises and retains the right to suspend or terminate any student's participation at the HOST AGENCY. Such removal, suspension and/or termination may be immediate if the student is engaged in behavior that is disruptive to the operations of HOST AGENCY or that places at risk the health or safety of the HOST AGENCY's patients, health care professionals, other employees or contractors, volunteers or visitors. In that event, the HOST AGENCY shall immediately notify the SCHOOL if such action is



required and the reasons for such action. In all other instances, the HOST AGENCY shall notify the SCHOOL of the issue and provide the SCHOOL and the affected student a reasonable opportunity to cure the problem to the HOST AGENCY's satisfaction, such cure period not to exceed thirty (30) days. At the end of such cure period, the HOST AGENCY will notify the SCHOOL if the issue has or has not been remedied and whether the student at that juncture must be removed, suspended or terminated from participating in training at the HOST AGENCY. The SCHOOL may terminate a student's participation when, in the SCHOOL's sole discretion, it determines that further participation by the student would no longer be appropriate. The SCHOOL will notify the HOST AGENCY is such action is required."

- F. Section D. of the UCTAA is hereby deleted and replaced with the following new Section D.:
 - "D. Term and Termination.
 - 1. This AGREEMENT shall become effective as of the EFFECTIVE DATE and shall continue in full force and effect for an initial term ending at least one year after the EFFECTIVE DATE. After the initial term, this AGREEMENT shall be automatically renewed from year to year for a period of twelve (12) months each, unless sooner terminated in accordance with this AGREEMENT.
 - 2. Either Party may terminate this AGREEMENT without cause by providing at least one hundred eighty (180) days prior written notice to the other Party.
 - 3. Either Party may, by written notice of default to the other Party, terminate this AGREEMENT if the other Party fails materially to perform any of the obligations of this AGREEMENT in accordance with its terms, and does not cure such failure within a period of thirty (30) days (or such extension as authorized by the other Party in writing) after receiving notice of default.
 - 4. For avoidance of doubt, the removal, suspension or termination of a student from participating in training at the HOST AGENCY pursuant to the provisions of Section C.6. shall not constitute a default of this Agreement by either Party. (The failure of a Party to comply with the provisions of Section C.6., however, would constitute such a default).
 - 5. Either Party may terminate this AGREEMENT by written notice to the other Party, and may regard the other Party as in default of this AGREEMENT, if the other Party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or freeing, or has wound up or liquidated, voluntarily or otherwise.
- G. Section K. of the UCTAA is hereby deleted and replaced with the following new Section K.:
 - "K. Notices.

Service of all notices, requests, demands, and other communications required, provided for, and permitted by this AGREEMENT, shall be given to the respective Parties in writing either by (a) actual delivery (e.g., personally, by commercial courier service, or by confirmed telefacsimile), or (b) by United States Postal Service registered or certified mail, return receipt requested, postage prepaid, addressed to the Parties as follows:

SCHOOL: Texas Christian University



Attn: Stuart D. Flynn, M.D. Dean, TCU and UNTHSC School of Medicine 2800 South University Drive Fort Worth, Texas 76129

HOST AGENCY: Texas Health Physicians Group

Such notices or communications shall be deemed to have been received (i) if by actual delivery, on the date of receipt by the Party, or (ii) if by mail, on the second day on which mail is delivered following the date of deposit with the United States Postal Service addressed to the respective representatives of each Party as set forth above or to such other persons or places as either Party may from time to time designate by written notice to the other Party."

- H. The following additional provisions shall apply and shall be part of the AGREEMENT:
 - 1. The HOST AGENCY agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this AGREEMENT, and as they may change or be amended from time to time, including without limitation compliance with the Americans with Disabilities Act.
 - 2. This AGREEMENT shall be governed by and construed under the laws of the State of Texas. The Parties consent to the sole jurisdiction and venue in any court of competent jurisdiction in Tarrant County, Texas, in any action or proceeding arising out of or related to this AGREEMENT.
 - 3. The HOST AGENCY will permit, on reasonable request, the inspection of clinical and related facilities by governmental and nongovernmental agencies charged with responsibility for accreditation or other regulatory oversight of the SCHOOL or any of the SCHOOL's programs.
 - 4. The failure of either Party to enforce any provision of this AGREEMENT shall not be construed as a waiver or limitation of that Party's right to subsequently enforce and compel strict compliance with every provision of this AGREEMENT.
 - 5. Each Party to this AGREEMENT represents to the other that it has the full right, power and authority to enter and perform this AGREEMENT in accordance with all of the terms and conditions thereof, and that the execution and delivery of this AGREEMENT has been made by authorized representatives of the Parties.
 - 6. HOST AGENCY certifies that neither it nor any of its principals (officers, directors, owners, partners, key employees involved with this AGREEMENT, or management or supervisory personnel) is presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in this transaction or in any federal grant, benefit, contract or program (including but not limited to Medicare and Medicaid and Federal Health Care Programs) by any Federal department or agency, and HOST AGENCY shall notify the SCHOOL immediately if it becomes aware of any such exclusion, debarment, or sanction.
 - 7. This AGREEMENT may be executed in one or more counterparts, each of which will be deemed to be an original copy of this AGREEMENT and both of which, when taken together, will be deemed to constitute one and the same agreement. The exchange of copies of this AGREEMENT and of signature



pages by facsimile, pdf or other electronic transmission shall constitute effective execution and delivery of this AGREEMENT as to the Parties and may be used in lieu of the original AGREEMENT for all purposes.

8. The following provisions of the UCTAA, as modified by the Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore: Sections A.8.3, A.8.4, B.6, B.8, G, I, J, K and M. In addition, Sections K.2, K.3., K.4 of this Implementation Letter, shall survive the expiration or termination of the AGREEMENT, regardless of the reasons therefore.

[The remainder of this page is intentionally left blank. Signature page follows.]





1.4. Jan 12

This AGREEMENT is effective when signed by all parties ("EFFECTIVE DATE"). The individuals executing this AGREEMENT are authorized to sign on behalf of their institutions and certify that their institutions have accepted the terms of the Implementation Letter and the UCTAA and further agree to comply with the terms of the UCTAA as modified in the Implementation Letter.

SCHOOL

TCU and UNTHSC School of Medicine

Address:

Texas Christian University Attn: Stuart D. Flynn, M.D.

Dean, TCU and UNTHSC School of Medicine

2800 South University Drive Fort Worth, Texas 76129

Signature:

By: Title: Stuart D. Flynn

Dean, TCU and UNTHSC School of Medicine

Date:

Signature:

By:

Fred Friedrich

Title:

Senior Associate Dean of Finance and Administration

126,2017

TCU and UNTHSC School of Medicine

Date:

HOST AGENCY: Texas Health Physicians Group

By:

nuam myen

Signature:

sup/cmo/roo

Title:

7/1/17

Address:

Texas Health Resources

Arlington Tower 612 E. Lamar Suite 500

Arlington, TX 76011

—TCU and UNTHSC— **School of Medicine**





Appendix G: Curricula Vitae for Core Faculty

Jennifer L. Allie, Ph.D., MPA January 25, 2017

Office of Faculty Affairs and Development M: (682) 404-7695

TCU and UNTHSC School of Medicine Jennifer.allie@fwmdschool.org

Fort Worth, TX

Academic Background

1997-2006 B.A., Gender Studies, minor in Creative Writing

University of Utah

2007-2012 MPA, Center for Public Policy, Department of Political Science

University of Utah

2008-2012 Ph.D., Department of Educational Leadership & Policy

University of Utah

Title: There's a policy: Nobody bats an eye at babies being born. A critical

feminist policy discourse analysis of a paid parental leave policy.

Professional Experience

June 2016-present Associate Dean, Faculty Affairs and Development, TCU and UNTHSC School of

Medicine

September 2014- Co-Director, Office of Diversity and Inclusion, University of Arizona, College of

May 2016 *Medicine-Phoenix*

July 2013-May Associate Dean, Office of Faculty Affairs and Development, University of Arizona,

2016 College of Medicine-Phoenix

July 2013-May Assistant Professor, Department of Bioethics and Humanism, University of Arizona,

2016 College of Medicine-Phoenix

July 2012-June Executive Director, Office of Faculty Affairs, University of Arizona, College of

2013 *Medicine-Phoenix*

2008-July 2012 **Director, Faculty and Academic Affairs,** University of Utah Health Sciences Center

2004-2008 Director, Faculty and Academic Affairs, University of Utah School of Medicine

Professional Organizations

September 2009- ASHE, Member

September 2009 AERA, Member

July 2015- National Association of Diversity Officers in Higher Education, Member.

Academic Experience

January 2016-present Affiliate Faculty, Women and Gender Studies Program, Texas Christian University

Fall 2015 – July 2016 co-Director – MEDP 850B Preparation for Teaching and Leadership and

Residency, UA College of Medicine Phoenix

Instructor – COM-P Faculty Leadership Development Program

Instructor – COM-P Community Faculty Development Physician as Educator Program, HonorHealth Faculty Development Program and Yuma Regional

Medical Center

Summer 2015	Lecturer: Introduction to Medicine. Diversity, Inclusion, and Equity in the Learning Environment. College of Medicine – Phoenix. July 8, 2015
Spring 2013	Lecturer COPH: Advanced Health Care Administration: Policy Analysis and Evaluation for Administrators. Instructor: Gail Barker, Ph.D.
Summer 2010	Teaching Assistant – Department of Educational Leadership & Policy ELP 7960: Seminar- Policy Analysis. Instructor: Andrea Rorrer, Ph.D.
2009-2012	Research Assistant – Utah Education Policy Center Institutional policy analysis U of U 6-309 – Faculty Parental Leave Policy. Instructor: Andrea Rorrer, Ph.D.
2011	Teaching Assistant – Department of Educational Leadership & Policy. Graduate Seminar- Policy Analysis. Instructor: Andrea Rorrer, Ph.D.
2011	Teaching Assistant - Department of Educational Leadership & Policy. Graduate Seminar Applied Qualitative Methodologies. Instructor: Cori Groth, Ph.D.

Awards, Fellowships, and Scholarships

2008	Homer Durham Scholarship, University of Utah, Masters of Public Administration
2009	George C. Bolon Scholarship – academic achievement, University of Utah
	Department of Educational Leadership & Policy
2009	Pi Alpha Alpha
2010	Bennion Fellowship- Higher Education Policy Studies, University of Utah
	Department of Educational Leadership & Policy
2013-2014	University of Arizona Academic Leadership Institute (ALI) Fellowship
2014-2015	University of Arizona College of Medicine – Phoenix Leadership Fellowship

Continuing Education

2015 – AAMC Healthcare Executive Diversity Certificate Program.

March 2007 – Women in biomedical research: Best practices for sustaining career success. National Institutes of Health.

Service

2013-2016 Member, Group on Faculty Affairs Communications Subcommittee, American Association of Medical Colleges

2015-present Convener, Diversity and Flexibility Learning Network. New England Network on Faculty Affairs. http://www.nenfa.org/diversity-and-flexibility.html

University Community Activities

2008-2012 Co-Chair: The Exceptional Patient Experience – Faculty Hiring and Retention Practices

2008-2012 Member, Presidential Committee on Status of Women, University of Utah; Sub-Committee Member: Part-Time Tenure Policy Review

2008-2010 Member, Diversity Requirement Committee, University of Utah

2009-2012 Member, Presidential Committee on Status of Women, University of Utah; Sub-Committee Member: Diversity in Institutional Leadership

Revised: March 4, 2016

2011-2012 Chair, Presidential Commission on Status of Women, Faculty Pipeline Issues, University of Utah

2012 Chair, Scholarly Projects Director Search, University of Arizona College of Medicine - Phoenix

2013 Chair, LCME IS-16 Response Subcommittee, University of Arizona College of Medicine - Phoenix

2013 Chair, Chief Diversity Office Search, University of Arizona College of Medicine - Phoenix

2014 Member, LCME Institutional Standards Self-Study Committee, University of Arizona College of Medicine – Phoenix

2014-present: Member, University of Arizona College of Medicine – Phoenix Admissions Committee, Pathway Scholars subcommittee

Organizational Presentations

2012 Search committee best practices: Recruiting for the best and brightest and increasing awareness of unconscious bias in the evaluation of faculty candidates. University of Arizona College of Medicine, Department of Basic Medical Sciences

2014 Self-assessment and self-promotion: Why an effective personal statement is important. Carl T. Hayden, VAMC Faculty Development Program.

2014 How to be your own best mentor: Strategic career planning, mentorship, sponsorship, and self-awareness. Cart T. Hayden, VAMC Faculty Development Program

2014 Graceful art of self-promotion. The University of Arizona College of Medicine – Phoenix FCM Fellowship Program. December 12, 2014

2015 Strategic career management: Mentorship, sponsorship, and self-awareness. The University of Arizona College of Medicine – Phoenix FCM Fellowship Program. April 3, 2015

2016 Promoting Academic Writing: Using writing accountability groups to support academic writing. The University of Arizona College of Medicine – Phoenix.

2016 Cultural Consciousness and Bias Awareness. The University of Arizona College of Medicine – Phoenix. March 18, 2016.

Organizational Publications:

2010, Rorrer, Andrea; Allie, Jennifer – University of Utah Policy 6-315 – Faculty Parental Leave Policy Evaluation and Recommendations

2011, Allie, J., Ayogi-Bangerter, J. University of Utah Faculty Recruitment Toolkit: University Policies and Best Practices for Faculty Recruitment, Selection, and Retention. University of Utah Office of Faculty and Academic Affairs, Health Sciences Center and University of Utah Office of Diversity and Equity.

2015, Allie, J. Chair Toolkit. The University of Arizona College of Medicine – Phoenix

Revised: March 4, 2016

Conference Presentations:

June 27, 2015 Allie J., Jain-Goel, Swati, Callahan, E., Williams, V., Haas, A., Congdon, J., Career flexibility policies supporting faculty diversity: Attracting, retaining, and developing the faculty of tomorrow. AAMC Group on Diversity and Inclusion and Group on Faculty Affairs Professional Development Conference.

Invited Talks:

2016, Allie, J. Physician Wellness: An Organizational Imperative. American College of Physicians, Arizona Chapter. November 5, 2016. Phoenix, AZ

2015, Rehman, S., Allie, J. ACGME National Conference. Caring for those who care for others – balancing work and life. Invited Session. February 28, 2015. San Diego, CA.

2015, Allie, J., Snyder J. Retooling Faculty Development: Increasing Engagement through Technology for the Faculty of Tomorrow. EDUCAUSE, AAMC Group on Diversity and Inclusion and Group on Faculty Affairs Innovations in Education Webinar.

Paper Presentations:

2011, Allie, J. AERA National Conference. Faculty parental leave policies: Changing the culture of tenure one family friendly policy at a time. A case-study concerning the policy and organizational effect on the discourse of tenure, faculty work, and family at public Research Intensive Institutions. Conference Paper. Refereed.

2011, Allie, J. ASHE National Conference. Using institutional policy discourse to reframe parenthood in the academy for the next generation. Conference Paper. Refereed.

Poster Sessions:

2009, Allie, J. University of Utah College of Education Research Fair: Gender schema and the evaluation of teaching style, delivery, and expectations: A case-study evaluation of student evaluations of faculty teaching, the differential effect of the nurturing schema for women academics in university classrooms.

2011, Hopf, H., DelMar, K, Allie, J. AAMC National Conference, November 2011. Group on Women in Medicine: Defining a strategic communication strategy to create purpose and sense of belonging for women faculty, residents, and students. A case-study concerning the organizational effects on the participation and sense of belonging for women faculty work at a research intensive academic medical center

2012, Allie, J., Hopf, H., Olson, S. AAMC National Conference, November 2012. Group on Women in Medicine. Rethinking the structure of tenure: A case analysis of the adoption of a part-time tenure policy.

2013, Allie, J., Hartmark-Hill, J., Nelson, L., Standley, C. AAMC Group on Faculty Affairs (GFA) Annual Conference, August 2013: Faculty engagement, networking and collaboration in a distributive academic medical school.

2015, Allie, J. Faculty and administrator perceptions of commitment during paid parental leave. ACE and Sloan Foundation Career Flexibility for Biomedical Faculty of Today and Tomorrow Conference. March 14, 2015. Boston, MA

2015, Allie J., Snyder, J. Retooling faculty development: Increasing engagement through technology. AAMC Group on Diversity and Inclusion and Group on Faculty Affairs Professional Development Conference. June 27, 2015. Puerto Rico. *Selected* as *Best in Class – Improving Faculty Affairs*.

Manuscripts in Preparation:

Allie, J., Shah, D. Re-thinking faculty development for the next generation: Strategies for bridging generational issues and engaging the faculty of tomorrow.

Allie, J. The non-tenure track faculty member: Imperatives and implications for faculty governance and engagement in research-extensive institutions.

Allie, J., Rorrer, A. Work-life policies & the academy: Unraveling the deep structures of face-time, ideal worker norms, and the academy.

Allie, J. Faculty parental leave policies: The discourse of tenure and parenthood in the academy.





CURRICULUM VITAE

Deidi Strickland Bergestuen, MD, PhD

CONTACT INFORMATION

4517 Elm River Court Ft. Worth, Texas 76116 Telephone: 682-224-5533

Cell phone: 817-372-8379

E mail: deidi.bergestuen@hotmail.com

CHRONOLOGY OF EDUCATION

UNDERGRADUATE EDUCATION:

8/1986-5/1990	B.A. History (summa cum laude)	Texas A&M University, College Station, TX

GRADUATE EDUCATION:

8/1990-6/1994	Doctor of Medicine	University of Texas Southwestern
		Medical School, Dallas, TX

POSTGRADUATE TRAINING:

0010101207112110		
7/1994-6/1996	Residency (years 1 and 2), Internal	University of Texas Southwestern
	Medicine	Medical Center, Dallas, TX
7/1996-6/1997	Residency (year 3), Internal Medicine	State U. of New York Health
		Science Center, Syracuse, NY
7/1997-12/1997	Chief Resident, Internal Medicine	State U. of New York Health
		Science Center, Syracuse, NY
10/2002	Bergenstest, Competency in Norwegian	Folkeuniversitetet, Oslo, Norway
1/2003	Course for Medical Terms in Norwegian	University of Oslo, Oslo, Norway
8/2003-9/2003	Course, Ethics/Law in Norwegian Health	University of Oslo, Oslo, Norway
9/2005-9/2010	PhD in medicine	University of Oslo, Oslo, Norway

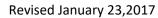
BOARD CERTIFICATION:

11/1997	ABIM	Internal Medicine
12/2007	ABIM	Internal Medicine (recertification) Will be taking recertification exam 4/2017

Bergestuen, MD, PhD

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LICENSURE:

1995	TX J8794	Expired/ Living in Norway
1997	NY 207354	Expired/ Living in Norway
1998	New Jersey 67122	Expired/ Living in Norway
2005	Norway 8965625	Current
2015	TX (Physician in training license) 436686	Expired
2016	TX J8794	Current

CHRONOLOGY OF EMPLOYMENT

OTHER PROFESSIONAL EXPERIENCE:

8/1997-12/1997	Night Float	Crouse Hospital, Syracuse, NY
4/1998-8/2001	Clinical Assistant Professor of Medicine	University of Medicine and Dentristry of New Jersey, Newark, NJ
3/2003-11/2003	Hospitant (resident level)	Department of Medicine, University of Oslo, Rikshospitalet University Hospital, Oslo, Norway
2/2004-8/2004	Intern	Department of Surgery, Bærum Hospital, Sandvika, Norway
8/2004-2/2005	Intern	Family Practice, Sundet Medical Clinic, Eidsvoll, Norway
2/2005-12/2011	Fellow	Division of Gastroenterology, University of Oslo, Rikshospitalet University Hospital, Oslo, Norway
7/2015-4/2016	Fellow	Division of Digestive and Liver Diseases, University of Texas Southwestern Medical Center, Dallas, TX

TEACHING RESPONSIBILITIES:

LA COLLING INEST CITO	ACTING REST STORELITES.		
7/1997-12/1997	SUNY HSC, Syracuse, NY	Attending, Residents' Outpatient Clinic	
10-1997-12/1997	SUNY HSC, Syracuse, NY	Preceptor, PE and Dx, 3 rd yr med students	
4/1998-8/2001	Dept of Medicine, UMDNJ-Newark, NJ	Ward attending for residents/students	
4/1998-8/2001	Dept of Medicine, UMDNJ-Newark, NJ	Director Residents' Outpatient Clinic	
4/1998-8/2001	Dept of Medicine, UMDNJ-Newark, NJ	Diverse lectures for students, housestaff	
4/1998-8/2001	Dept of Medicine, UMDNJ-Newark, NJ	Clinic preceptor, third year med students	
9/2005-9/2008	University of Oslo Medical School	Preceptor, Intro Clin Med, 14 wks/year	

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Revised January 23,2017

HONORS AND AWARDS:

1994	Alpha Omega Alpha Honor Society	UT Southwestern Medical School
1998	Nominated for Outstanding Teacher	UMDNJ-Newark, NJ 3 rd year med students
2001	Housestaff Teaching Award	UMDNJ-Newark, NJ Dept of Medicine

ADMINISTRATIVE EXPERIENCE

1/2011-12/2011 Center Organizer and Pt Coordinator	Center for Neuroendocrine Tumors, U Oslo
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PROFESSIONAL & SCIENTIFIC COMMITTEES

7/1997-10/1997	Medical Floors Facilitation Committee	SUNY HSC Syracuse, NY
7/1997-12/1997	Residency and Fellowship Review Cmte	SUNY HSC Syracuse, NY
1/1999-8/2001	Performance Improvement Committee	UMDNJ-Newark, NJ Dept of Medicine
1/2001-8/2001	Ambulatory Care Committee	UMDNJ-Newark, NJ University Hospital

PROTOCOL REVIEW COMMITTEE/STUDY SECTIONS

8/2016-1/2017 Protocol Review and Monitoring Cmte	UT Southwestern Medical Center, Dallas TX
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SYMPOSIUM/MEETING CHAIR/COORDINATOR

4/14/1999 Coordinator, CME Course Diabetes Mgmt UMDNJ-Newark, NJ Dept of Medic	cine
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PROFESSIONAL COMMUNITY ACTIVITIES

Ī	10/1997-12/1997	Volunteer Attending	Syracuse, NY Hope Clinic for Homeless
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Bergestuen, MD, PhD Page 3





PEER-REVIEWED JOURNAL ARTICLES

- 1. <u>Strickland, D.,</u> Stranges, A. (1991). X-rays: laying the foundation of modern radiology, 1896-1930. *Medicina Nei Secoli, 3*:207-222.
- 2. <u>Bergestuen, D.,</u> Aakhus, S. (2009). Heart disease with a rare cause. *Journal of the Norwegian Medical Society*, *129*:191.
- 3. <u>Bergestuen, D.S.</u>, Aabakken, L., Holm, K., Vatn, M., Thiis-Evensen, E. (2009). Small intestinal neuroendocrine tumors: prognostic factors and survival. *Scandinavian Journal of Gastroenterology*, 44:1084-1091.
- 4. <u>Bergestuen, D.S.,</u> Gravning, J., Haugaa, K.H., Sahakyan, L.G., Aakhus, S., Thiis-Evensen, E., Øie, E., Aukrust, P., Attramadal, H., Edvardsen, T. (2010). Plasma CCN2/connective tissue growth factor is associated with right ventricular dysfunction in patients with neuroendocrine tumors. *BMC Cancer*, 10:6.
- 5. Pomianowska, E., Gladhaug, I.P., Grzyb, K., Røsok, B.I., Edwin, B., <u>Bergestuen, D.S.</u>, Mathisen, Ø. (2010). Survival following resection of pancreatic endocrine tumors: importance of R-status and WHO and TNM classifications. *Scandinavian Journal of Gastroenterology*, 45:971-979.
- Bergestuen, D.S., Edvardsen, T., Aakhus, S., Ueland, T., Øie, E., Vatn, M., Aukrust, P., Thiis-Evensen, E. (2010). Activin A in carcinoid heart disease: a possible role in diagnosis and pathogenesis.
 Neuroendocrinology, 92:168-177.
- 7. Haugaa, K.H., <u>Bergestuen, D.S.,</u> Sahakyan, L.G., Skulstad, H., Aakhus, S., Thiis-Evensen, E., Edvardsen, T. (2011). Evaluation of right ventricular dysfunction by myocardial strain echocardiography in patients with intestinal carcinoid disease. *Journal of the American Society of Echocardiography*, 24:644-650.
- 8. Gedde-Dahl, M., Thiis-Evensen, E., Tjølsen, A.M., Mordal, K.S., Vatn, M., <u>Bergestuen, D.S.</u> (2013). Comparison of 24-h and overnight samples of urinary 5-hydroxyindoleacetic acid in patients with intestinal neuroendocrine tumors. *Endocrine Connection*, 2:50-54.
- 9. Cetinkaya, R.B., Vatn, M., Aabakken, L., <u>Bergestuen, D.S.</u>, Thiis-Evensen, E. (2014). Survival and prognostic factors in well-differentiated pancreatic neuroendocrine tumors. *Scandinavian Journal of Gastroenterology*, 49:734-741.
- 10. Zahid, W., <u>Bergestuen, D.,</u> Haugaa, K.H., Ueland, T., Thiis-Evensen, E., Aukrust, P., Fosse, E., Evardsen, T. (2015). Myocardial Function by Two-Dimensional Speckle Tracking Echocardiography and Activin A May Predict Mortality in Patients with Carcinoid Intestinal Disease. *Cardiology*, *132*:81-90.
- 11. Boyar Cetinkaya, R., Aagnes, B., Thiis-Evensen, E., Tretli, S., <u>Bergestuen, D.S.</u>, Hansen, S. (2017, epub ahead of print 2015). Trends in Incidence of Neuroendocrine Neoplasms in Norway: A Report of 16,075 Cases. *Neuroendocrinology*, 104(1):1-10.
- 12. Gerber, D.E., Reimer, T., Williams, E., Gill, M., Priddy, L.L., <u>Bergestuen, D.,</u> Schiller, J.H., Kirkpatrick, H., Craddock Lee, S.J. (2016). Resolving rivalries and realigning goals: challenges of clinical and research multiteam systems. *Journal of Oncology Practice*. September 13 (Epub ahead of print).





UNPUBLISHED POSTER ABSTRACT PRESENTATIONS

- Bergestuen, D., Thiis-Evensen, E., Vatn, M., Aabakken, L., Holm, K. (February 2008).
 Epidemiology and survival in neuroendocrine tumors: Rikshospitalet (1993-2007). Annual Meeting of the Norwegian Gastroenterology Society. Lillehammer, Norway.
- 2. <u>Bergestuen, D.,</u> Edvardsen, T., Aakhus, S., Aukrust, P., Ueland, T., Vatn, M., Thiis-Evensen E. (March 2008). Markers of fibrosis in carcinoid heart disease. 5th Annual European Neuroendocrine Tumor Society Meeting, Paris, France.
- 3. Bergestuen, D., Edvardsen, T., Aakhus, S., Ueland, T., Øie, E., Vatn, M., Aukrust, P., Thiis-Evensen E. (January 2009, February 2009). Activin A: a potential biomarker of fibrosis in carcinoid heart disease. Keystone Symposia on Fibrosis, Keystone, Colorado (1/2009). Annual Meeting of the Norwegian Gastroenterology Society, (2/2009).
- 4. <u>Bergestuen, D.,</u> Aabakken, L., Holm, K., Vatn, M., Thiis-Evensen E. (March 2009). Small intestinal neuroendocrine tumors: prognostic factors and survival. 6th Annual European Neuroendocrine Tumor Society Meeting, Granada, Spain.
- 5. <u>Bergestuen, D.S.</u>, Gravning, J., Haugaa, K.H., Sahakyan, L.G., Aakhus, S., Thiis-Evensen, E., Øie, E., Aukrust, P., Attramadal, H., Edvardsen, T. (March 2010). Plasma CCN2/connective tissue growth factor is associated with right ventricular dysfunction in patients with neuroendocrine tumors. 7th Annual European Neuroendocrine Tumor Society Meeting, Berlin, Germany.
- Zahid, W., Haugaa, K.H., <u>Bergestuen, D.S.</u>, Skulstad, H., Thiis-Evensen, E., Fosse, E., Edvardsen, T. (November 2012). In patients with intestinal carcinoid disease, myocardial function deteriorates progressively in both ventricles and predicts mortality. American Heart Association Congress, Los Angeles, California.
- Zahid, W., Haugaa, K.H., <u>Bergestuen, D.S.</u>, Skulstad, H., Thiis-Evensen, E., Fosse, E., Edvardsen, T. (December 2012). Myocardial function by 2-dimensional speckle tracking echocardiography predicts death in patients with intestinal carcinoid disease. EuroEcho Congress, Athens, Greece. Awarded best poster.

ORAL PRESENTATIONS

Meeting Presentations

International

<u>Bergestuen, D.S.</u>, Edvardsen, T., Aakhus, S., Ueland, T., Øie, E., Vatn, M., Aukrust, P., Espen Thiis-Evensen. (October 2011). Activin A in carcinoid heart disease: a possible role in diagnosis and pathogenesis. North American Neuroendocrine Tumor Society 2011 Symposium, Minneapolis, Minnesota. Oral presentation.

National

<u>Bergestuen</u>, <u>D.S.</u> (February 2011). Fibrosis in small intestinal neuroendocrine tumors. Annual meeting of the Norwegian Gastroenterology Society, Lillehammer, Norway. Oral presentation.

Bergestuen, MD, PhD Page 5





Revised January 23,2017

Grand Rounds Presentations

2001 <u>Bergestuen, D.S.</u> Overview of vasculitis. University of Medicine and Dentistry – Newark,

Department of Medicine, Newark, NJ.

2008 <u>Bergestuen, D.S.</u> Heart disease in patients with small intestinal neuroendocrine tumors.

University of Oslo, Rikshospitalet University Hospital, Department of Medicine, Oslo,

Norway.

FOREIGN LANGUAGES

Norwegian fluent

REFERENCES

Available on request

JUDY BERNAS

3635 Crestline Road, Fort Worth, TX 76107 (602) 361-4261 - azjudyjudy@aol.com

PROFESSIONAL SUMMARY

Executive with 20+ years of management experience in public affairs, education, health care, sports management and community development. Dynamic leader successful at building and leveraging relationships with career experience in advocacy, policy, media and crisis communications, strategic planning, creative leadership and project management. Recognized community leader with major board roles and experience. Helped create major university campus with nearly \$1 billion in funding.

SKILLS

- Health care leadership experience
- Strategic project management
- Crisis communications
- Relationship building/leveraging
- Non-profit management

- Sports and Tourism
- Team leader and member
- Successful Fund Creation
- Marketing and branding

WORK HISTORY

July 2016 to present – **Associate Dean and Chief Communication and Strategy Officer**, <u>TCU and UNTHSC</u> <u>School of Medicine</u>, Fort Worth, Texas

- Coordination of the strategic planning for the new medical school in Fort Worth, including creation of Strategic Plan, Business Plan and other organizing documents.
- Serve as the chief advisor to the Dean of the School of Medicine and a primary liaison among the School and the two universities.
- Develop messaging and branding to capture the uniqueness and innovation at the School of Medicine.
- Build extensive relationships throughout the city and region in government, business, and community.
- Assist in efforts to raise critical funding for the School of Medicine and coordination of naming gift.
- Coordinate with communications efforts built into the curriculum to create "empathetic scholars" as the future physicians.
- Educate both internal and external audiences on the benefits of a new allopathic medical school.
- Serve as a spokesperson to raise awareness of the new School of Medicine and create opportunities for awareness throughout all media channels.

01/1993 to July 2016 – The University of Arizona

02/2006 to present – Associate Vice President, University Relations – Phoenix, AZ

- Coordination and oversight of the University of Arizona presence in Maricopa County.
- Responsible for strategic relationships, public relations, community relations, government relations, marketing, crisis communications, marketing and policy development for the University's presence in Greater Phoenix area.
- Established outreach efforts, including recognized community programs, for the expansion of the University's Colleges of Medicine, Pharmacy and Public Health on a new campus in downtown Phoenix. Brought UA Eller College of Management to Downtown Phoenix.

- Serve as chief advisor to the dean of the College of Medicine Phoenix on strategic relationships, outreach and communications.
- Awarded more than \$800 million in funding from the State Legislature to expand the Colleges and additional funding to build research and education buildings.
- Attained more than \$30 million in funding from the City of Phoenix to build the University's campus, in addition to infrastructure, support and design assistance.
- Built strategic and productive relationships with the business community, community leaders, media, policy makers, donors, foundations, social service agencies, hospitals, universities and community groups.
- Defined strategy and business plan for the University of Arizona College of Medicine -Phoenix.
- Built team of 15 and serve as member of Executive Management Team.
- Work closely with Phoenix Biomedical Campus Advisory Board, National Alumni Board, UA Foundation board and others.

02/2003 to 02/2006 -- Associate Vice President, Federal Relations - Tucson, AZ

- Served as primary federal lobbyist for The University of Arizona, responsibility for overall federal strategy for the University of Arizona.
- Annual earmarked appropriations to the University averaged from \$10 to \$20 million, with competitive grant funding averaging about \$450 million.
- Built strategic relationships with Congressional offices, federal agencies and collaborators.

01/1999 to 01/2003 -- Director of Government Relations - Tucson, AZ

- State and federal government relations for The University of Arizona Health Sciences Center (UA Colleges of Medicine, Nursing, Pharmacy and Public Health).
- Successful lobbying efforts with the Arizona State Legislature included increases in funding
 for new and existing programs, as well as the passage of bills, including a statute change
 protecting cancer patients on clinical trials.
- Built strategic relationships with state agencies, community groups and business leaders who helped advocate on behalf of the University.

01/1993 to 12/1998 -- Associate Director, Office of External Relations – Tucson, AZ

- Media relations for Sarver Heart Center, the UA Department of Surgery, all transplant programs and general areas of the Arizona Health Sciences Center.
- Created and managed public relations plans in addition to crisis communications, strategic planning, pro-active and reactive media relations.
- Supervision of professional and student staff.

ADDITIONAL EXPERIENCE

01/2009 to 05/2013 -- Principal and Consultant, JB Strategies Group - Phoenix, AZ

- Formed consulting firm for government and public relations that successfully lobbied for protection of funding for Phoenix Children's Hospital.
- Created and hosted outreach events for additional clients.

09/2005 to 11/2011 -- Loaned Executive, Mayor's Office - Phoenix, AZ

- Liaison between The University of Arizona and the City of Phoenix on issues relating to the expansion of the UA Colleges of Medicine and Pharmacy into downtown Phoenix.
- Coordinate activities on expansion program with universities, hospitals and health care facilities, business, community leaders, media and government.
- Assist the Mayor in positions regarding health care, medicine and research.

04/1991 to 01/1993 -- **Lifestyle Editor**The Casa Grande Dispatch News - Casa Grande, AZ

06/1988 to 03/1991-- **Medical and Feature Reporter The Odessa American** – Odessa, Texas

EDUCATION

Master of Science: Public Health, Administration and Policy The University of Arizona - Tucson, AZ - Expected Dec. 2018

Bachelor of Arts: Journalism and Sociology The University of Arizona - Tucson, AZ

BOARDS AND APPOINTMENTS

- Women's Center of Tarrant County, Board of Directors
- Fiesta Bowl Board of Directors 2013-present, currently committee chair
- Arizona Sports and Tourism Authority, 2012 Chair (Appointed by Senate President), 2008 2013 (served as chair in 2012, landing the Superbowl for 2015); re-appointed by Governor Jan Brewer 2014 and Speaker of the House, served until 2016
- City of Phoenix Industrial Development Authority board, (Mayoral appointment) 2013 2016, currently Vice Chair
- Southwest Kids Cancer Foundation, board of directors, 2013-2016
- City of Chandler Economic Development, board of directors, 2011-2016
- Arizona Operating Committee for 2016 NCAA National Championship Game, board of directors, 2014-2016
- City of Phoenix Board of Adjustment, (Mayoral appointment), 2011-2012
- Phoenix Community College President's Advisory Board, 2006 2016
- Discovery Triangle, board member, 2010 -2016
- Downtown Phoenix Partnership, committee member, 2007 2016
- Phoenix Community Alliance, executive committee member, 2007 2016
- Phoenix Biomedical Campus Steering Committee, board member, 2003 2016
- City of Phoenix Downtown Strategic Plan Advisory Committee
- Flinn Foundation Biosciences Roadmap Steering Committee, 2003 2016
- Downtown Phoenix Partnership Economic Development Committee

ADDITIONAL INFORMATION

AWARDS AND ACHIEVEMENTS

- Leukemia & Lymphoma Society, Arizona Woman of the Year 2013
- The Tucson Business Edge, Forty Under 40 Awards
- The Phoenix Business Journal, Forty Under 40 Awards
- American Cancer Society, Arizona Division Honorary Recognition for Passage of First Complete Cancer Clinical Trials Legislation in the U.S.
- Arizona Cancer Center Honorary Friends
- World Congress on Biomedical Communications, Third Place, Print Periodical
- Arizona Associated Press Managing Editors, First Place for Feature Writing
- Texas Associated Press Managing Editors, First Place for Team Series

CURRICULUM VITAE

Michael J. Bernas, MS

Phoenix, Arizona - January 02, 1960 **BORN:**

(2 children)

EDUCATION: B.S. – University of Arizona, Tucson, AZ, December 1982, General Biology

M.S. - University of Arizona, Tucson, AZ, December 1985, Genetics

POSITIONS:

1986-1988 Research Assistant I, Department of Pathology, University of Arizona College of Me	
<i>,</i> . _	dicine, Tucson,
1988-1988 Research Assistant II, Department of Pathology, University of Arizona College of Me	edicine
1988-1989 Research Technician II, Department of Pathology, Fred Hutchinson Cancer Research Seattle, Washington	ch Center,
1989-1990 Research Assistant III, Department of Surgery (Lymphology), University of Arizona (Medicine	College of
1990-1998 Research Specialist, Department of Surgery (Lymphology), University of Arizona Co Medicine	ollege of
1998- Associate Scientific Investigator (faculty series), Department of Surgery (Lympholog Arizona College of Medicine	y), University of
2006- Curriculum Director, Student Research Programs (MSRP/SIMI), University of Arizon	na, College of

Medicine

2008-Member, Venom, Immunochemistry, Pharmacology, and Emergency Response (VIPER) Institute,

University of Arizona

2008-Adjunct Faculty, University of Missouri (Columbia) Sinclair School of Nursing

2010-Associate Director, Student Research Programs (MSRP/SIMI), University of Arizona, College of

Medicine

HONORS:

Member, Executive Committee, International Society of Lymphology (ISL), Young Lymphologists Task Force of Epidemiology of Lymphedema-Angiodysplasia Syndromes (North America), 1999-2005; Recipient, ISL Presidential Prize for Outstanding Basic Research in Lymphology (17th International Congress of Lymphology, Madras, India), 9/99; Honorary Member, Colegio Argentino de Cirugia Venosa y Linfatica, Buenos Aires, Argentina, May 2002: Honorary Member, Sociedad Brasileira de Linfologia, Salvador, Brazil, 2005; Visiting Research Scholar, Flinders School of Medicine, Adelaide, Australia, 2008; Distinguished Service Award, National Lymphedema Network 11/25/10; International Consultant, Angiopediatria (Buenos Aires) 10/2010-; Visiting Professor "Carrera de Especialization en Flebogia y Linfologia," Buenos Aires, Argentina, 2014; Sigma Theta Tau International (Honor Society of Nursing) Research Dissemination Award (American Lymphedema Framework Project), 2017.

RESEARCH ACTIVITIES:

A. Ongoing Research Support

Persidsky (PI) 5 R01 MH065151 UA subcontract 07/01/08 - 06/30/17

DHHS/NIH/NIMH

Title of study: BBB Tight Junctions During HIV-1 Dementia: Anti-Inflammatory Effects of GSK-3b Suppression Major goals: Primary human brain microvascular endothelial cells (BMVEC) will be isolated and cultured from the temporal cortex of brain tissue obtained during surgical removal of epileptogenic foci in adult patients to examine GSK-3b suppression.

Role: Subcontract Co-I

R25 OD010487 NIH OD M Witte/Garcia (MPI)

08/01/12 - 07/31/17

Title of study: Translating Translation and Scientific Questioning in the Global K-12 Community

Major goals: To develop the Virtual Clinical Research Center/Questionarium (VCRC/Q) in web-based platform, for a real-life kindergarten to grade twelve experience linking scientists with students, teachers, CTSAs, SEPA projects, and the public.

Role: Co-I

R25AI097448 M Witte/Garcia (MPI) 03/01/13 - 02/28/18

NIH NIAID

Title of study: Infection and Immunity K-12 Science Program: Exploring Knowns/Unknowns via VCRC/Q Major goals: To improve health/science literacy by developing inquiry-based comprehensive web-based/face-to-face curriculum focused globally on infection and immunity and designing and organizing teacher workshops and inservice training to assist in implementation and dissemination.

Role: Co-I

1R25 HL108837 M Witte (PI) 6/1/11-5/31/17

NIH NHLBI

Title of study: Short-Term Training to Increase the Diversity Pipeline in Heart/Lung/Blood Research Major goals: To introduce, train, and nurture inquiring medical and undergraduate students (including under-represented minorities) in cardiovascular/lung/blood basic/clinical biomedical research and encourage intensive/extensive research experiences to retain and strengthen the diverse student research pipeline.

Role: Curriculum Coordinator

1R25NS076437 (Porreca/Witte, Multiple PI) 8/1/11-7/31/16

NIH NINDS

Title of study: High School Student NeuroResearch Program (HSNRP)

Major goals: To develop/implement model program to recruit, train and mentor growing cadre of diverse/disadvantaged (including under-represented minority) high school students in biomedical research targeting neuro disorders & stroke.

Role: Curriculum Coordinator

R25HD070811 (Ghishan/Garcia/Witte, Multiple PI) 5/1/13-4/30/18

NIH NICHD

Title of study: Summers in Children's Research for Diverse High School Students

Major goals: This grant offers annually 8 diverse junior/senior high school students and 4 continuing undergraduates from Arizona an exciting educational 8-12 week summer experience in "hands on, brain on" basic and clinical research broadly targeting childhood and developmental disorders and maternal health and health disparities.

Role: Curriculum Coordinator

R24MH109060 R Witte (PI) 09/25/15 - 09/24/18

NIH NIMH

High resolution electrical brain mapping by real-time and portable 4d acoustoelectric imaging The major goal: To develop the first noninvasive, real-time and portable electrical brain mapping system based on disruptive acoustoelectric (AE) technology.

Role: Co-I

B. Completed Research Support

PR100654-M Witte (PI) 09/30/11 - 10/29/13

Department of Defense

Title: Progression of Inflammatory Bowel Disease to Cancer: Is the Patient "Better Off" without Lymphatic Vessels or Nodes (or Angiopoietin 2)

Goal: Determine whether lymphatic insufficiency and Ang2 deficiency in a mouse model protects against progression of inflammatory colitis to colorectal cancer.

Role: I

PR100451- JS Alexander, LSU, Shreveport (PI)

Department of Defense Idea Grant

Title: Lymphatic Vascular-based Therapy for IBD

07/01/11 - 05/13/14

Goal: Explore mechanisms and therapeutic targets of lymphatic involvement in the course of inflammatory

bowel disease.

Role: Subcontract Co-I

NIH R25RR022120- (PI Witte)

3/21/06-2/28/12

"K-12 Virtual Clinical Research Center (VCRC) Medical Ignorance Exploratorium (MIE) Phase I & II"

Develop, test and disseminate a VCRC and MIE directed at K-12 community to improve health and science literacy and clinical research career opportunities.

ARRA Administrative Supplement

8/17/09-8/16/11 9/23/10-2/28/12

Administrative Supplement Role: Curriculum Director

NIH NIAID #5 R01 MH065151 subcontract --

7/1/07-6/30/08

University of Arizona subcontract, BBB Tight Junctions During HIV-1 Dementia

Neural microvascular cell culture system for in vitro model of human blood brain barrier with examination of BB alterations in HIV encephalopathy. R01 awarded to U. Nebraska (PI Y Persidsky)

Role: Subcontract Co-PI

Arizona Biomedical Research Commission, Contract # 0720 (PI Witte)

7/1/06-10/31/09

Massage Therapy in Childhood Lymphedema

Role: Co-I

NIH R21 AT01326

9/30/02-11/30/07

NCCAM

"Massage Therapy for Breast Cancer-Related Lymphedema"

Ongoing clinical trial of efficacy of massage therapy with or without compression bandaging in patients with mild breast cancer-related lymphedema.

Role: PI

RSGTL-05-090-01-CCE American Cancer Society #8007:

1/1/05-12/31/08

"Pre-Clinical Model of Breast Cancer Treatment-Related Lymphedema"

Pre-clinical screening approaches to breast cancer treatment-related lymphedema

Role: Co-I

HealthSouth Rehabilitation Institute of Tucson

\$35,836 (renewable annually) 7/1/00-6/30/06

"Lymphedema research program" Funds for support personnel for clinical research in lymphedema-angiodysplasias Role: Clinical Research Program Coordinator (PI Witte)

NIH R21 AT00405 2/1/01-12/31/04

"Massage Therapy for Experimental Lymphedema"

Physiologic mechanisms and efficacy of different forms of massage therapy on reducing lymph formation and enhancing lymph absorption in a rat model of cancer-treatment related lymphedema.

Role: Co-I (PI Witte)

NIH R25 RR15670 9/30/01-9/29/06

"Medical Ignorance (Q3) Collaboratory: K-12 Curriculum/Dissemination"

Further development of the Medical Ignorance (Q3) curriculum and biomedical research preceptorships for on-site and distance learning in science education for K-12 students and teachers including Witte/Erickson labs. Role: Curriculum Director (PI Witte)

The Susan G. Komen Breast Cancer Foundation Phoenix Race for the Cure 1996 Award #9600813A, Breast-Cancer Associated Lymphedema Database-Registry, 1/1/96.

Role: Investigator (Pl Witte)

Arizona Disease Control Research Commission, Contract #I-103, In Vitro Model of Kaposi Sarcoma: Phenotypic and Genotypic Profile; 7/1/91-6/30/94.

Role: Investigator (PI Witte)

World Health Organization, Lymphologic Investigations of Clinical and Experimental Lymphatic Filariasis, 7/87-9/92. Role: Investigator (PI Witte)

Arizona Disease Control Research Commission, Contract #8277-000000-1-WF-9314, Effect of Alcohol on the Hepatic Microvasculature In Vivo and In Vitro, 7/1/88-6/30/91.

Role: Investigator (PI Witte)

EDITORIAL ASSIGNMENTS:

2002- Associate Editor-In-Chief, U.S. Chinese Journal of Lymphology and Oncology

2003- Executive Editor, Journal Lymphology

SUMMARY OF RESEARCH MENTORING:

Surgical Resident Physician Laboratory Mentoring/ Assistance (year-long)

2015 Napolean Cieza, MD2014 Daniel Cucher, MD2012 Andrew Abrahms, MD

Post-Graduate Physician Laboratory Projects

Lymphology fellows: 1 or more per year part time in laboratory, variable; 1989-91: Todd Case, M.D., "Lymphologic Studies in Filariasis" 1990-91; Geronimo Ramirez, M.D., NIH fellow, 1990-93; Eric Elam, M.D., Resident in Radiology (MRI), 1992; Pan American WHO fellows (India): Drs. Kar and Koya (filariasis), 1990-91; Chinese Education Association for International Exchanges: Dr. Xu-jian Shao 9/92-9/94; LaTanya Lee-Donaldson, M.D., 11/97-6/99; Dr. Zhiyu Liu Professor of Anatomy, Shandong Medical College, Chinese Government fellow, 9/98-6/99. T. Paartinen, MD, Visiting Research Fellow from Dr. K. Alitalo, Hartmann Institute, U. Helsinki, Finland, 6/30/00-7/31/00. Teressa Myloyde, MD, Research Fellow, 7/1/01-6/30/02; Japanese Government Fellow H Shimoda' 10/1/02-7/1/03; Vanessa Jensen, MD, 7/1/06-6/30-06.

Pre-Doc Graduate Student

Michael Dellinger, Molecular and Cellular Biology 2005-2008, PhD "Angiopoietin 2 and Lymphatic Development," (now Assistant Professor, Surgery, U TX Southwestern Medical Center)

Medical Students (Research Distinction and multiple-year projects)

T. Myloyde, Magnetic Resonance Imaging (MRI) of the Lymphatic System: Experimental Studies and Clinical Background (Class of 2001); K. Northup Jones, Syndromic Classifications of Hereditary Lymphedema (Class of 2002); M. Meislin, Vascular Genomics of Post-Natal Lymphangiogenesis (2009); C. Cherington, The Conditions of Lymphatic Disruption that Best Prevent Tumor Metastasis to Lymph Nodes (2010); S. Daley "Progression of Inflammatory Bowel Disease to Cancer: Is the Patient "Better Off" Without Lymphatic Vessels or Nodes (or Angiopoietin 2)?" (2016);

Medical Students (NIH Short-term Training and Research Electives)

G. Ramirez, Lymphologic disorders, April-June 1989; M. Stuntz, August-October, 1989; J. Hartline, In vitro and in vivo studies of lymphatic filariasis, 10/21-11/30/91; R. Greenlee, Genetic basis of lymphedema syndromes, 5/92; A. Stazzone, Lymphology investigation, Fall 1996; F. Reiser, Fall 1996 and Spring 1997; J. Cheshier, 7/27-9/4/98; L. Ammouri, 10/99-3/00; T. Myloyde, 815H, 2-3/00, K. Northup, 7/2-8/10/01; Clifford Martin. The Effect of Systemic Vascular Endothelial Growth Factors on Vascular Permeability and Cardiac Function in a Rat Model. The Margarito Chavez Memorial Young Investigator Award, The University of Arizona Sarver Heart Center 2000-01 Research Award; Parker Fillmore. Phenotype-Genotype Correlations in Hereditary Lymphedema. AMA Foundation Seed Grant, 2007; Gideon Richards. Fluorescent Imaging of the Murine Lymphatic System and Postnatal Lymphangiogenesis. 2007 AMA Foundation Seed Grant; Chad Cherington. Angiopoietin and Lymphogenous Metastasis, Ventana Supply Grant, 2007-2009; Michael Montague, Gorham's Disease; Angiopoetin 2/FoxC2 and Melanoma Progression, 2009; Matt Douglas, Lymphatic Imaging and Venom, 2010; Eric Parmon, Evaluation of the Role of Amifostine and its Metabolite WR-1065 in Preventing Radiation Induced Lymphatic Injury, 2011; Nathan Tanoue, IBD and Colorectal Cancer in Experimental Model, 2014-; Jeremey Gneck, Comparative Gut Microbiota in Lymphatic Deficient and Wild-Type Mice, Summer 2016; Sylvestor Moses, Fontan Physiology and Fontan Complications, Summer 2016

Undergraduate Students

Minority Undergraduate (NIH supplement) Michelle Jensen. Growth factors-cell cycle in endothelial cell lines. 2/1/95-8/20/96; NIH MARC Scholarship: Orlantha Whitehair, (9/15/98-5/1/99); Sara E. Ottman. Experimental Model of Postnatal Lymphangiogenesis. University of Arizona Honors College Undergraduate Research Grant. (2007-2008); Undergraduate Histology Technician (Pima College): Marci Ogas (Fall 2008), Nesrin Butler (Fall 2009), Josh Dugan (Spring 2010); Eddie Bastidas. University of Arizona Honors Undergraduate Grant, 2010; Jalicia Washington, 2012-present; Alvin Rodriguez, 2012-2014

Western Alliance to Expand Student Opportunities (WAESO) Semester long Research Projects. Physiology/ Pathophysiology of Lymphatic Growth and Function. Orlantha Whitehair, 9/15/98-5/1/99 (renewed twice). Lorenzo Ortiz, 11/99-12/99. Michelle Lynch, 1/01-5/02. Animal Models of Lymphedema. Angela Noon, 9/02-12/02; Michael McGhee, 1/03-5/03; Yusef Auletta, 9/03-12/03; Janelle Jensen, 1/04-5/04. Manuel McKenna, 5/05-2/07, Androuw Carrasco, 2/07-5/08, Eddie Bastidas,10/08-5/10; Robert Arzac (9/10-12/10), Alvin Rodriguez (2/11-12/11), Alvin Rodriguez, 1/12-5/12, Alvin Rodriguez, 9/12-12/12, Wilfred Russell (1/1/13-8/31/13).

PAPERS:

- Case T, B Leis, M Witte, D Way, M Bernas, P Borgs, C Crandall, R Crandall, R Nagle, S Jamal, J Nayar, C Witte: Vascular abnormalities in experimental and human lymphatic filariasis. Lymphology 24:174-183, 1991.
- 2. Case TC, E Unger, MJ Bernas, MH Witte, CL Witte, G McNeill, C Crandall, R Crandall: Lymphatic imaging in experimental filariasis using magnetic resonance. Invest. Radiol. 27: 293-297, 1992.
- 3. Tanoura T, M Bernas, A Darkazanli, E Elam, E Unger, M Witte, A Green: MR imaging in experimental lymphatic filariasis using iron-oxide compound AMI-227. Am. J. Roentenology 159:875-881, 1992.
- 4. Witte MH, P Borgs, DL Way, G Ramirez Jr, M Bernas, CL Witte: Alcohol, hepatic sinusoidal microcirculation, and chronic liver disease. Alcohol 9:473-480, 1992.
- 5. Bernas M, P Borgs, G Ramirez Jr, M Witte: Mustela Putorius Furo as a model of alcoholism. Proc. 2nd Int'l. Conference on Alcohol, Drugs of Abuse, and Immunomodulation (AIDS), Pergamon Press, Oxford:New York, Adv. Bio. Sci. 86:241-244, 1993.
- 6. Bernas M, J Enriques, D Way, M Witte, A Ragland, D Bradley-Dunlop, M Fiala: Absence of monoclonal antibody detectable Kaposi sarcoma-specific antigens on lesion-derived cultured cells. Life Sciences 52:663-668, 1993.
- 7. Way D, MH Witte, M Fiala, G Ramirez, R Nagle, M Bernas, M Dictor, P Borgs, C Witte: Endothelial transdifferentiated phenotype and cell-cycle kinetics of AIDS-associated Kaposi sarcoma cells. Lymphology 26:79-89, 1993.
- 8. Witte MH, P Borgs, DL Way, G Ramirez Jr, CL Witte, MJ Bernas: AIDS, alcohol, endothelium and immunity. Alcohol 11:91-97, 1994.
- Way D, P Borgs, M Bernas, G Ramirez, X Shao, M Witte, M Weinand, U Riedel, V Johnson, C Witte: Characterization of an established immortal endothelial cell line (RSE-1): Comparison to AIDS-Kaposi sarcoma cell cultures. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):761-762, 1994.
- Way D, M Witte, M Bernas, M Weinand, L Scott, X Shao, C Witte, M Fiala: In vitro models of angiotumorigenesis. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):136-137, 1994.
- 11. Bernas M, C Witte, G Pond, M Witte, J Scott, G Hanna, D Saewert: Enhanced lymphatic imaging using Imagent®LN in filaria-infected ferrets. In: Progress in Lymphology-XIV. Proc. 14th Int'l. Congress of

- Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):265-269, 1994.
- 12. Borgs P, G Ramirez Jr, DL Way, MJ Bernas, MH Witte, CL Witte: Models of Kaposi sarcoma and endothelial cell angiotumorigenicity in rodents. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):749-752, 1994.
- 13. Hendrix ME, R Seftor, E Seftor, D Way, M Bernas, M Weinand, C Witte, M Witte: Sex steroid modulation of endothelial cell interactions. Implication for angiodysplasia syndromes. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):138-141, 1994.
- 14. Seftor E, R Seftor, D Way, M Bernas, M Weinand, C Witte, M Witte, M Hendrix: Enhancement of endothelial cell and Kaposi sarcoma migration by selective chemoattractants. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):755-758, 1994.
- Escobar GY, MJ Bernas, TC Case, B Witt, J Hartline, DL Way, MH Witte, P Borgs, CL Witte: An in vitro videomicroscopic test system to assess putative filaricidal agents. In: *Progress in Lymphology-XIV*. Proc. 14th Int'l. Congress of Lymphology, September 20-26, 1993. Witte MH, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 27 (Suppl):377-379, 1994.
- 16. Witte MH, P Borgs, DL Way, M Bernas, G Ramirez Jr, CL Witte: Kaposi sarcoma, vascular permeability, and scientific integrity. JAMA 271:1769-1771, 1994; Response to Letters, JAMA 272:922-924, 1994.
- 17. Martinez-Zaguilan RM, Chinnock BF, S Wald-Hopkins, M Bernas, D Way, M Weinand, MH Witte, RJ Gillies: Calcium and pH homeostasis in Kaposi sarcoma cells. Cell Physiol. & Biochem. 6:169-184, 1996.
- 18. Williams W, M Bernas, G McNeill, C Witte, M Witte: Lymphatic transport index in peripheral lymphedema syndromes. In: *Progress in Lymphology-XV*. Proc. 15th Int'l. Congress of Lymphology, September 25-30, 1995. Mayall RC, MFC Andrade, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 29 (Suppl.):134-136, 1996.
- 19. Bernas M, M Witte, C Witte, D Belch, P Summers: Limb volume measurements in lymphedema: Issues and standards. In: *Progress in Lymphology-XV*. Proc. 15th Int'l. Congress of Lymphology, September 25-30, 1995. Mayall RC, MFC Andrade, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 29 (Suppl.):199-202, 1996.
- Bernas, M, M Andrade, E Azoubel, M Witte: Summary of special course on Bancrofti filariasis. In: *Progress in Lymphology-XV*. Proc. 15th Int'l. Congress of Lymphology, September 25-30, 1995. Mayall RC, MFC Andrade, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 29 (Suppl.):9-19, 1996.
- 21. Witte CL, MH Witte, E Unger, M Baker, P Granstrom, M Bernas, W Williams: Percutaneous sclerosis or excision of lymphangioma/lymphangiectasia syndromes. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl) 396-399, 1998.
- 22. Witte MH, CL Witte, D Way, M Bernas: Control of lymphangiogenesis. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl) 37-40, 1998.

- 23. Williams WH, M Bernas, MH Witte, CL Witte, GC McNeill, JN Hall, J Scheiber: Evaluation and significance of lymphangioscintigraphic transport index in post-mastectomy lymphedema. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl) 366-371, 1998.
- 24. Stazzone AM, MH Witte, CL Witte, M Fiala, W Williams, G McNeill, G Escobar, P Summers, M Bernas: Evolution of lymphangioscintigraphic findings and value of combined physiotherapy in peripheral edema from AIDS-associated Kaposi sarcoma. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl): 353-356, 1998.
- 25. Bernas M, T Myloyde, MH Witte, V Staugaard, CL Witte: A lymphedema-angiodysplasia computerized database. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl):375-380, 1998.
- 26. Way DL, MH Witte, CL Witte, M Bernas, L Fuchs: Quality control in a tissue culture laboratory in lymphology: Issues and guidelines. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl):103-106, 1998.
- 27. Bernas M, P Summers, D Belch, MH Witte, CL Witte: Variation in volume of a normal arm during and following compression therapy. In: *Progress in Lymphology-XVI*. Proc. 16th Int'l. Congress of Lymphology, September 22-27, 1997. Jiménez Cossío JA, A Farrajota, E Samaniego, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 31(Suppl):221-224, 1998.
- 28. Witte MH, CL Witte, M Bernas: ISL Consensus document revisited: Suggested modifications. Lymphology 31:138-140, 1998.
- 29. Reiser FA, D Way, M Bernas, M Witte, C Witte: Inhibition of normal and angiotumor endothelial cell proliferation and cell cycle progression by 2-methoxyestradiol. Proc. Soc. Exp. Biol. and Med. 219: 211-216, 1998.
- 30. Witte MH, R Erickson, M Bernas, M Andrade, F Reiser, W Conlon, HE Hoyme, CL Witte: Phenotypic and genotypic heterogeneity in familial Milroy lymphedema. Lymphology 31:145-155, 1998.
- 31. Lee-Donaldson L, MH Witte, M Bernas, CL Witte, D Way, B Stea: Refinement of a rodent model of peripheral lymphedema. Lymphology 32:111-117, 1999.
- 32. Witte CL, MH Witte, EC Unger, WH Williams, MJ Bernas, GC McNeill, A Stazzone: Advances in imaging of lymph flow disorders. RadioGraphics 20:1697-1719, 2000.
- 33. Bernas M, L Lee-Donaldson, P Summers, B Kriederman, L Ortiz, BD Stea, M Witte, C Witte. Simulation of physical treatment modalities in a rodent model of peripheral lymphedema. In: *Progress in Lymphology-XVII*. Proc. 17th Int'l. Congress of Lymphology, September 19-25, 1999. Jamal S, G Manokaran, V Kumaraswami, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 33(Suppl):30-31,2000.
- 34. Martin C, M Witte, M Bernas, D Way, F Travis, C Witte. Effect of vascular endothelial growth factor on microcirculatory water and protein flux in the rat intestine. In: *Progress in Lymphology-XVII*. Proc. 17th Int'l. Congress of Lymphology, September 19-25, 1999. Jamal S, G Manokaran, V Kumaraswami, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 33(Suppl):32-34, 2000.

- 35. Witte M, M Bernas, R Erickson, M Andrade, C Witte. Lymphedema-angiodysplasia syndromes: Genetic and developmental update. In: *Progress in Lymphology-XVII*. Proc. 17th Int'l. Congress of Lymphology, September 19-25, 1999. Jamal S, G Manokaran, V Kumaraswami, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 33(Suppl):74-76, 2000.
- 36. Bernas M, C Witte, G McNeill, W Williams, M Witte: Lymph transport and absorption of radiotracer into the bloodstream after hindpaw injection in ferrets with and without filariasis. In: *Progress in Lymphology-XVII*. Proc. 17th Int'l. Congress of Lymphology, September 19-25, 1999. Jamal S, G Manokaran, V Kumaraswami, MH Witte, CL Witte (Eds.), The International Society of Lymphology, Zürich, Switzerland and Tucson, AZ, USA, Lymphology 33(Suppl):126-128,2000.
- 37. Holberg CJ, RP Erickson, MJ Bernas, MH Witte, KE Fultz, M Andrade, CL Witte: Segregation analyses and a genome-wide linkage search confirm genetic heterogeneity and suggest oligogenic inheritance in some Milroy congenital primary lymphedema families. Am. J. Med. Genetics 86:303-312, 2001.
- 38. Myloyde T, C Witte, M Witte, E Unger, P Schornack, M Bernas, B Kriederman, A Gmitro, R Gillies, Z Bhujwalla: Magnetic resonance imaging (MRI) of the lymphatic system: Experimental studies and clinical background. In: "Conquering Lymphatic Disease: Setting the Research Agenda" Proceedings of the NIH Think Tank Conference, Natcher Conference Center, Bethesda, MD, 5/11-13/00. Witte M, Editor; M Bernas, W Chaite, R Ferrell, D Finegold, DN Granger, M Johnston, L Leak, S Rockson, C Witte, Co-Editors. ©The University of Arizona, 2001, pp 181-187.
- 39. Bernas MJ, CL Witte, MH Witte: The diagnosis and treatment of peripheral lymphedema: Draft revision of the 1995 Consensus Document of the International Society of Lymphology Executive Committee for Discussion at the September 3-7, 2001, XVIII International Congress of Lymphology in Genoa, Italy. Lymphology 34:84-91, 2001.
- 40. Witte MH, M Bernas, C Martin, CL Witte: Lymphangiogenesis and lymphangiodysplasias: from molecular to clinical lymphology. In: *The Biology of Lymphangiogenesis*. Wilting J (guest Ed.). Microscopy Research and Techniques 55:122-145, 2001.
- 41. Kriederman B, T Myloyde, M Bernas, L Lee-Donaldson, S Preciado, M Lynch, B Stea, P Summers, C Witte, M Witte: Limb volume reduction after physical treatment by compression and/or massage in a rodent model of peripheral lymphedema. Lymphology 35:23-27, 2002.
- 42. Myloyde T, B Kriederman, M Bernas, M Witte, P Schornack, R Gillies, A Gmitro, Z Bhujwalla, C Witte: Magnetic resonance imaging (MRI) of the lymphatic system: experimental studies. In: *Progress in Lymphology-XVIII*. Proc. 18th Int'l. Congress of Lymphology, September 3-7, 2001, Genoa, Italy. Campisi C, Witte MH, Witte CL, Boccardo F, (Eds.), International Society of Lymphology and Lymphology, Zurich, Switzerland and Tucson, Arizona, USA, Lymphology 35(Suppl):244-245, 2002.
- 43. Myloyde T, M Bernas, M Witte, P Summers, C Witte: Design and use of a model database registry for lymphedema-angiodysplasia patients. In: *Progress in Lymphology-XVIII*. Proc. 18th Int'l. Congress of Lymphology, September 3-7, 2001, Genoa, Italy. Campisi C, Witte MH, Witte CL, Boccardo F,(Eds.), International Society of Lymphology and Lymphology, Zurich, Switzerland and Tucson, Arizona, USA, Lymphology 35(Suppl):143-144, 2002.
- 44. Kriederman B, C Martin, M Witte, C Suri, N Gale, T Myloyde, L Ammouri, M Bernas, M Lynch, G Yancopoulos, C Witte: Angiopoietin-2 and lymphatic development. In: *Progress in Lymphology-XVIII*. Proc. 18th Int'l. Congress of Lymphology, September 3-7, 2001, Genoa, Italy. Campisi C, Witte MH, Witte CL, Boccardo F,(Eds.), International Society of Lymphology and Lymphology, Zurich, Switzerland and Tucson, Arizona, USA, Lymphology 35(Suppl):35-36, 2002.
- 45. Kriederman B, T Myloyde, M Bernas, L Lee-Donaldson, S Preciado, M Lynch, B Stea, P Summers, C Witte, M Witte: Limb volume reduction after physical treatment by compression and/or massage in a rodent model of peripheral lymphedema. In: *Progress in Lymphology-XVIII*. Proc. 18th Int'l. Congress of Lymphology, September 3-7, 2001, Genoa, Italy. Campisi C, Witte MH, Witte CL, Boccardo F,(Eds.), International

- Society of Lymphology and LYMPHOLOGY, Zurich, Switzerland and Tucson, Arizona, USA, Lymphology 35(Suppl): 279-280, 2002.
- 46. Kriederman BM, TL Myloyde, MH Witte, SL Dagenais, CL Witte, M Rennels, MJ Bernas, MT Lynch, RP Erickson, MS Caulder, N Miura, D Jackson, BP Brooks, TW Glover: *Foxc2* haploinsufficient mice are a model for human autosomal dominant lymphedema-distichiasis syndrome. Hum. Mol. Gen. 12:1179-1185, 2003.
- 47. Bernas M, M Witte, R Erickson: Genetic advances in pediatric/adolescent lymphedemas. LymphLink 16:9-10. 2004.
- 48. Bernas M, M Witte: Alternative/complementary treatment in lymphology: Trying the untried and testing the untested. Lymphology 37:43-44, 2004.
- 49. Erickson RP, M Witte, C Witte, M Andrade, TG Glover, C Sargent: Searching for lymphangiogenesis genes. In: *Progress in Lymphology-XIX*. Proc. 19th Int'l. Congress of Lymphology, September 1-6, 2003, Freiburg, Germany. Foldi E (Ed.). Lymphology 37(Suppl):499-503, 2004.
- 50. Bernas M, M Witte, B Kriederman, P Summers, C Witte: Massage therapy in the treatment of lymphedema: Rationale, results, applications. Proc. World Congress on Medical Physics and Biomedical Engineering, 8/24-29/03, Sydney, Australia. IEEE Engineering in Medicine and Biology 24:58-68, 2005.
- 51. Noon, A, RJ Hunter, MH Witte, B Kriederman, M Bernas, M Rennels, D Percy, S Enerback, RP Erickson: Comparative lymphatic ocular and metabolic phenotypes of Foxc2 haploinsufficient and aP2-FOXC2 transgenic mice. Lymphology 39:84-94, 2006.
- 52. Witte, MH, M Bernas, CL Witte: Lymphangiogenesis reviews, lymphology, and medical ignorance. Lymphology 39:59-61, 2006.
- 53. Shimoda, H, MJ Bernas, MH Witte, NW Gale, GD Yancopoulos, S Kato: Abnormal recruitment of periendothelial cells to lymphatic capillaries in digestive organs of angiopoietin-2-deficient mice. Cell and Tissue Research 238:329-337, 2007.
- 54. Witte, MH, M Bernas: Silver bullets and shotguns in lymphedema research. Lymphology 40:1-2, 2007.
- 55. Dellinger, MT, RJ Hunter, MJ Bernas, MH Witte, RP Erickson: *Chy-3* mice are *Vegfc* haploinsufficient and exhibit defective dermal superficial to deep lymphatic transition and dermal lymphatic hypoplasia. Develop. Dynamics 236:2346-2355, 2007.
- 56. Noon, A, R Hunter, B Kriederman, M Witte, M Bernas, M Rennels, S Enerback, N Miura, R Erickson, C Witte: *Foxc2* gene insufficiency and imbalance in the genesis of the distinctive lymphatic and ocular phenotype of lymphedema-distichiasis syndrome. In: *Progress in Lymphology-XX*. Proc. 20th Int'l. Congress of Lymphology, September 26-October 1, 2005, Salvador, Brazil. Andrade M (Ed.). Lymphology 39(Suppl):31-34, 2007.
- 57. Richards, G, M Bernas, R Hunter, B Kaylor, A Gmitro, MH Witte: Rhodamine-based optical imaging of the murine lymphatic system. In: *Progress in Lymphology-XX*. Proc. 20th Int'l. Congress of Lymphology, September 26-October 1, 2005, Salvador, Brazil. Andrade M (Ed.). Lymphology 39(Suppl): 164-165,2007.
- 58. Dellinger, MT, RJ Hunter, MJ Bernas, RP Erickson, MH Witte: Lymphatic phenotype of *Chy-3* mice: Comparison to VEGF-C mice. In: *Progress in Lymphology-XX*. Proc. 20th Int'l. Congress of Lymphology, September 26-October 1, 2005, Salvador, Brazil. Andrade M (Ed.). Lymphology 39(Suppl):62-65, 2007.
- 59. Jensen, V E Garrafa, M Witte, M Bernas: Lymphologists at Elephant Feet, Navajo Nation, Arizona. Lymphology 40:193, 2007.

- 60. Fiala, M, EJ Singer, D Commins, T Mirzapoiazva, A Verin, A Espinoza, K Ugen, M Bernas, M Witte, M Weinand, AS Lossinsky: HIV-1 antigens in neurons of cocaine-abusing patients. Open Virology J. 2:24-31, 2008.
- 61. Dellinger, M, R Hunter, M Bernas, N Gale, G Yancopoulos, R Erickson, M Witte: Defective remodeling and maturation of the lymphatic vasculature in Angiopoietin-2 deficient mice. Develop. Biology 319:309-320, 2008.
- 62. Witte, M, P Crown, M Bernas, F Garcia: "Ignoramics" in medical and pre-medical education. J. Inv. Med. 56: 897-901, 2008.
- 63. Dellinger, MT, K Thome, MJ Bernas, RP Erickson, MH Witte: Novel FOXC2 missense mutation identified in patient with lymphedema-distichiasis and review. Lymphology 41:98-102, 2008.
- 64. Witte, M, R Erickson, M Khalil, M Dellinger, M Bernas, T Grogan, H Nitta, J Feng, D Duggan, C Witte: Lymphedema-distichiasis syndrome without *FOXC2* mutation: Evidence for chromosome 16 duplication upstream of *FOXC2*. Lymphology 42:152-160, 2009.
- 65. Zaghi J, Goldenson B, Inayathullah M, Lossinsky AS, Masoumi A, Avagyan H, Mahanian M, Bernas M, Weinand M, Rosenthal MJ, Espinosa-Jeffrey A, de Vellis J, Teplow DB, Fiala M.. Alzheimer disease macrophages shuttle amyloid-beta from neurons to vessels, contributing to amyloid angiopathy. Acta neuropathologica. 2009; 117(2):111-24.
- 66. Daley, SK, MJ Bernas, BD Stea, E Bracamonte, M McKenna, A Stejskal, ED Hirleman, MH Witte: Radioprotection from radiation-induced lymphedema without tumor protection. Lymphology 43:48-58, 2010.
- 67. Bernas, MJ, FL Cardoso, SK Daley, ME Weinand, AR Campos, AJ Gonçalves Ferreira, JB Hoying, MH Witte, D Brites, Y Persidsky, SH Ramirez, MA Brito: Establishment and characterization of primary cultures of human brain microvascular endothelial cells: A new and simplified method to obtain an in vitro model of the blood-brain barrier. Nature Protocols 5:1265-1272, 2010.
- 68. Ganta, VC, V Cromer, GL Mills, J Traylor, M Jennings, S Daley, B Clark, JM Mathis, M Bernas, M Boktor, P Jordan, M Witte, JS Alexander: Angiopoeitin-2 in experimental colitis. Inflamm Bowel Dis. 16:1029-1039, 2010 (article published online 9 Nov 2009; DOI: 10.1002/ibd.21150).
- 69. Bernas MJ: The 2009 International Society of Lymphology –Consensus Document: Origin and Evolution. Proceedings of the 22nd International Congress of Lymphology, Sydney, Australia, 9/25-30/09. Lymphology 43(Suppl) 2010.
- 70. Bernas MJ, SK Daley, E Bracamonte, M McKenna, C Carati, MH Witte: Use of low-level laser in treatment of experimental lymphedema. Proceedings of the 22nd International Congress of Lymphology, Sydney, Australia, 9/25-30/09. Lymphology 43(Suppl): 284-287, 2010.
- 71. Bernas, MJ, SK Daley, P Summers, CL Witte, MH Witte: MLD monotherapy for treatment of lymphedema. Proceedings of the 22nd International Congress of Lymphology, Sydney, Australia, 9/25-30/09. Lymphology 43(Suppl): 161-164, 2010.
- 72. Daley, SK, E Bracamonte, A Stejskal, S Park, M McKenna, MJ Bernas, ED Hirleman, BD Stea, MH Witte: Amifostine protection from experimental radiation-induced lymphedema without MCF7 breast tumor protection. Proceedings of the 22nd International Congress of Lymphology, Sydney, Australia, 9/25-30/09. Lymphology 43(Suppl): 96-98, 2010.
- 73. Cherington, C, SK Daley, D Kurtzman, A Carrasco, MJ Bernas, MH Witte: Lymphatic dysfunction and tumor growth and spread in a murine model: A pilot study. Proceedings of the 22nd International Congress of Lymphology, Sydney, Australia, 9/25-30/09. Lymphology 43(Suppl): 99-100, 2010.

- 74. Zhang, H, J Tse, X Hu, M Witte, M Bernas, J Kang, F Tilahun, YK Hong, M Qiu, L Chen: Novel discovery of LYVE-1 expression in the hyaloid vascular system. Invest. Opthalmol. Vis. Sci. 51:6157-6161, 2010. DOI:10.1167/iovs. 10-5205.
- 75. Cormier J, Feldman J, Askew R, Beck M, Bernas M, Francis K, Fu M, Lasinski B, Rodrick J, Stewart B, Stewart P, Stout N, Thrift K, Tuppo C, Weiss B, Moffatt C, Armer J. ALFP to update the Best Practice document. J of Lymphoedema, 5:68-71, 2010.
- 76. Shimoda, H, MJ Bernas, MH Witte: Dysmorphogenesis of lymph nodes in Foxc2 haploinsufficient mice. Histochem. Cell Biol. 135:603-613, 2011.
- 77. Palmela I, Cardoso FL, Bernas M, Correia L, Vaz AR, Silva RF, Fernandes A, Kim KS, Brites D, Brito MA.Elevated levels of bilirubin and long-term exposure impair human brain microvascular endothelial cell integrity. Current Neurovascular Research. 2011; 8(2):153-69.
- 78. Fiala M, H Avagyan, J Merino, M Bernas, J Valdivia, A Espinosa-Jeffrey, M Witte, M Weinand: Chemotactic and mitogenic stimuli of neuronal apoptosis in patients with medically intractable temporal lobe epilepsy. Pathophysiology 20:59-69, 2013 [Epub ahead of print Mar 22, 2012]
- 79. Paniagua, D, L Jiménez, C Romero, I Vergara, A Calderón, M Benard, M Bernas, H Rilo, A de Roodt, G D'Suze, C Sevcik, MH Witte, L Boyer, A Alagón: Lymphatic route of transport and pharmacokinetics of *Micrurus Fulvius* (coral snake) venom in sheep. Lymphology 45:144-153, 2012.
- 80. Funk, JL, JB Frye, G Davis-Gorman, AL Spera, MJ Bernas, MH Witte, ME Weinand, BN Timmermann, PF McDonagh, L Ritter: Curcuminoids limit neutrophil-mediated reperfusion injury in experimental stroke by targeting the endothelium. Microcirculation 20:544-54, 2013. PMCID: PMC3740077
- 81. Armer, J.M., Hulett, J.M., Bernas, M., Ostby, P., Stewart, B.R., and Cormier, J.N. (2013). Best Practice Guidelines in Assessment, Risk Reduction, Management, and Surveillance for Post-Breast Cancer Lymphedema. Current breast cancer reports. 5:134-144. PMID: 26246870 PMCID: PMC4523280
- 82. Bernas M. Assessment and risk reduction in lymphedema. Seminars in oncology nursing. 2013; 29(1):12-9.
- 83. DiGiovanni, RM, RP Erickson, EC Ohlson, M Bernas, MH Witte: A novel FLT4 gene mutation identified in a patient with Milroy Disease. Lymphology 47: 44-47, 2014
- 84. Yuen, D, S Grimaldo, R Sessa, T Ecoiffier, T Truong, EH Huang, M Bernas, SK Daley, M Witte, L Chen: Role of angiopoietin-2 in corneal lymphangiogenesis. Inv. Opthalmol. Vis. Sci. 55:3320-3327, 2014. pii: iovs.13-13779v1. doi: 10.1167/iovs.13-13779. [Epub ahead of print]
- 85. Daley, SK, E Bastidas, J Washington, MJ Bernas, MH Witte: Foxc2 deficiency and melanoma spread in a mouse model. Progress in Lymphology, XXIV-Proceedings of the 24th International Congress of Lymphology, Rome, Italy, 9/16-20/13. Lymphology 47(Suppl):3-5, 2014.
- 86. Sargent, C, J Bauer, M Khalil, P Fillmore, M Bernas, M Witte, MP Pearson, RP Erickson: A five generation family with a novel mutation in FOXC2 and lymphedema worsening to hydrops in the youngest generation. Am. J. Med. Genet. Part A 164A:2802–2807, 2014. DOI 10.1002/ajmg.a.36736
- 87. Bernas MJ. Axillary web syndrome, the lost cord, and lingering questions. Lymphology. 2014; 47(4):153-5.
- 88. Becker, F, S Potepalov, R Shehzahdi, M Bernas, M Witte, J Traylor, I Tsunoda, AJ Alexander: Downregulation of FoxC2 increased susceptibility to experimental colitis: Influence of lymphatic drainage function? Inflamm. Bowel Dis. 21:1282-96, 2015. PMCID: PMC4437831
- 89. Witte, MH, MJ Bernas: Re-rediscovery of the brain's lymphatic system. Lymphology 24:161-162, 2015.
- 90. Gallek, MJ, J Skoch, T Ansay, M Behbahani, D Mount, A Manziello, M Witte, M Bernas, DM Labiner, ME Weinand: Cortical gene expression: Prognostic value for seizure outcome following temporal lobectomy

- and amygdalohippocampectomy. Neurogenomics Epub online, Jun 2, 2016, PMID: 27251580, DOI 10.1007
- 91. Liu, Z, BD Gray, C Barber, M Bernas, M Cai, LR Furenlid, A Rouse, C Patel, B Banerjee, R Liang; AF Gmitro, MH Witte, KY Pak, JM Woolfenden: Characterization of TCP-1 probes for molecular imaging of colon cancer. J Controlled Release 239:233-230, 2016, doi: 10.1016
- 92. McCallum, AP, MJ Gallek, W Ramey, A Manziello, MH Witte, MJ Bernas, DM Labiner, ME Weinand: Cortical gene expression correlates of temporal lobe epileptogenicity. Pathophysiology 23:181-190, 2016.
- 93. Witte, MH, F Garcia, J Garcia, M Bernas: Mentoring's moment. (eLetter) Science 2016 http://science.sciencemag.org/content/353/6303/980.e-letters
- 94. James, H, MH Witte, M Bernas, B Barber: Proposal for prevention or alleviation of protein/lymph-losing enteropathy (PLE/LLE) after Fontan circulation treatment of univentricular hearts: Restoration of lymph balance with "lymphatic right-to-left shunt". Lymphology 49:114-127, 2016.

CHAPTERS:

- 1. Witte MH, DL Way, CL Witte, M Bernas: Lymphangiogenesis: Mechanisms, significance and clinical implications. In: *Regulation of Angiogenesis*. Goldberg ID, EM Rosen (Eds.), Birkhäuser Verlag Basel/Switzerland 1997, pp 65-112.
- 2. Witte MH, MJ Bernas, KA Northup, CL Witte: Molecular lymphology and genetics of lymphedema-angio-dysplasia syndromes. In: *Lehrbuch der Lymphologie* ([German]. Chapter 21. Földi M, E Földi, S Kubik (Eds), Urban & Fischer Verlag, München, Germany, 2002, pp 696-717.
- Witte MH, MJ Bernas, KA Northup, CL Witte: Molecular lymphology and genetics of lymphedema-angiodysplasia syndromes. In: *Textbook of Lymphology*. Chapter 16. Földi M, E Földi, S Kubik (Eds), Urban & Fischer Verlag, München, Germany (English text revised by Biotext, LLC, San Francisco), 2003, pp 471-493.
- 4. Witte MH, MJ Bernas, KA Northup, CL Witte: Molekulare Lymphologie und Genetik von Lymphödem-Angiodysplasia-Syndromen. In: *Textbook of Lymphology*. Chapter 16, Földi M, E Földi, S Kubik (Eds), Urban & Fischer Verlag, München, Germany (English text revised by Biotext, LLC, San Francisco), 2005, pp 525-548.
- 5. Witte, MH, K Northup, M Bernas, CL Witte: Molecular lymphology and genetics of lymphedema-angio-dysplasia syndromes. In: *Földi's Textbook of Lymphology.* 2nd edition, Chapter 16. Földi M, E Földi, (Eds), Urban & Fischer Verlag, München, Germany, 2006, pp 497-523.
- Witte M, K Jones, M Bernas, CL Witte: Landmarks and advances in translational lymphology. In: Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy. Chapter 1, Leong SPL (Ed.), Springer US, 2007, pp 1-16.
- 7. Witte MH, P Crown, M Bernas, CL Witte: Lessons learned from ignorance: The curriculum on medical (and other) ignorance. In: *The Virtues of Ignorance: Complexity, Sustainability, and the Limits of Knowledge.*Vitek, W, Jackson W (Eds.), The University Press of Kentucky, Lexington, KY, pp 251-272, 2008.
- 8. Witte MH, M Dellinger, M Bernas, CL Witte: Heme/lymphvasculogenesis, heme/lymphangiogenesis, hem/lymphangiotumorigenesis, and tumor hem/lymphangiogenesis: Need for a terminology adjustment. In: *Cancer Metastasis: From Local Proliferation to Distant Sites Through the Lymphovascular System.* Chapter 8, Leong SPL (Ed.), Humana Press/Springer, New York, pp 77-92, 2009.

- 9. Witte MH, M Bernas: Lymphatic pathophysiology. In: *Rutherford's Vascular Surgery*. Seventh Edition, Chapter 12. Cronenwett, JL and Johnston, KW (Eds.), W.B. Saunders Company, Philadelphia, pp. 177-201, 2010.
- 10. Dellinger, M, M Bernas, M Witte: Lymphatic biology and pathobiology. In: *Venous and Lymphatic Diseases*. Chapter 3, RS Dieter, RA Dieter Jr, RA Dieter III (Eds.), McGraw Hill, pp. 17-35, 2011.
- 11. Campisi, C, F Boccardo, M Witte, M Bernas: Lymphatic surgery and surgery of lymphatic disorders. In: *Venous and Lymphatic Diseases*, Chapter 42, RS Dieter, RA Dieter Jr, RA Dieter III (Eds.), McGraw Hill, New York, NY, pp. 607-629, 2011.
- 12. Bernas M. Review of National and International Consensuses on Chronic Lymphedema. In: *LYMPHEDEMA: A Concise Compendium of Theory and Practice*. Chapter 15, Lee, BB, J Bergan, SG Rockson (Eds.), Springer-Verlag, 2011.
- 13. Williams, W, M O'Chart, M Bernas, CL Witte, MH Witte: Radionuclide lymphoscintigraphy. In: *LYMPHEDEMA: A Concise Compendium of Theory and Practice*. Chapter 19, Lee, BB, J Bergan, SG Rockson (Eds.), Springer-Verlag, 2011.
- 14. Witte MH, MJ Bernas, KA Jones, CL Witte: Molecular lymphology and genetics of lymphedema-angio-dysplasia syndromes. In: *Textbook of Lymphology*, 3rd edition, Chapter 16. Földi M, E Földi (Eds), Urban & Fischer Verlag, München, Germany, 444-466, 2012.
- 15. Witte MH, M Bernas: Lymphatic pathophysiology. In: *Rutherford's Vascular Surgery*. 8th Edition, Chapter 13. Cronenwett, JL and Johnston, KW (Eds.), W.B. Saunders Company, Philadelphia, 176-200, 2014.
- 16. Witte MH, M Bernas: Lymphatic pathophysiology. (extensively revised) In: *Rutherford's Vascular Surgery*. 9th Edition, Chapter 13. Cronenwett, JL and Johnston, KW (Eds.), W.B. Saunders Company, Philadelphia, 2016. (In press)
- 17. Bernas M. Lymphedema Genetics. In: *Lymphedema Management: The Comprehensive Guide for Practitioners* 3rd Edition. Thieme, New York, 2013.
- 18. Bernas M. Imaging of the Lymphatic System. In: *Lymphedema Management: The Comprehensive Guide for Practitioners 3rd Edition. Thieme, New York, 2013.*

BOOK:

"Conquering Lymphatic Disease: Setting the Research Agenda". Proceedings of the NIH Think Tank Conference, Natcher Conference Center, Bethesda, MD, 5/11-13/00 and Post-conference discussions. Witte M, Editor; M Bernas, W Chaite, R Ferrell, D Finegold, DN Granger, M Johnston, L Leak, S Rockson, C Witte, Co-Editors. ©The University of Arizona, 2001, ISBN 0-9711731-0-9, 287 pp.

ABSTRACTS:

- 1. Way D, M Witte, M Bernas, C Witte: Acute ethyl alcohol administration alters DNA cell-cycle kinetics of cultured human omental microvascular endothelium. Clin. Res. 38:105A, 532A, 1990.
- 2. Way D, M Witte, M Fiala, M Bernas, C Witte, M Stuntz, G Ramirez, M Milligan: Long-term culture of vascular endothelium derived from dermal AIDS-Kaposi's sarcoma lesions in the absence of retrovirally conditioned media. Clin. Res. 38:133A, 362A, 1990.
- 3. Bernas M, D Way, M Witte, C Witte, M Fiala, M Milligan: Value of flow cytometry for phenotypic characterization of normal and neoplastic endothelial cell populations. Clin. Res. 38:131A. 1990.
- 4. Way D, M Witte, M Bernas, C Witte: Acute ethyl alcohol administration alters DNA cell-cycle kinetics of cultured human omental microvascular endothelium. Presented at the 1990 UCLA Symposia on The Endothelial Cell, Keystone, CO, 4/6-12/90. J. Cellular Biol. 14E:226, 1990.

- 5. Bernas M, M Witte, D Way, M Fiala, C Witte, R Nagle, M Stuntz, G Ramirez, M Milligan: Long-term culture of vascular endothelium derived from dermal AIDS-Kaposi's sarcoma lesions in the absence of retrovirally conditioned medium. Presented at the 1990 UCLA Symposia on The Endothelial Cell, Keystone, CO, 4/6-12/90. J. Cellular Biol. 14E:219, 1990.
- 6. Way D, M Witte, M Bernas, M Fiala, C Witte, R Nagle, M Stuntz, G Ramirez, M Milligan: Phenotypic characterization of AIDS-Kaposi's sarcoma cells in long-term culture in the absence of retrovirally conditioned medium. Presented at the 6th Int'l. Conference on AIDS, San Francisco, CA, June 20-24, 1990. Abstract Booklet, Vol. 1, p. 200.
- 7. Case TC, D Way, P Borgs, M Bernas, M Witte, C Crandall, R Crandall, C Witte: In vivo and in vitro microscopy of *Brugia malayi* life cycle in ferret lymphatic filariasis. Clin. Res. 39:60A, 215A, 1991.
- 8. Case TC, A Darkazanli, M Bernas, E Elam, E Unger, M Witte, C Crandall, C Witte, R Crandall, M Nayar: Magnetic and paramagnetic resonance imaging in experimental lymphatic filariasis. Clin. Res. 39:75A, 438A, 1991.
- 9. Ramirez G, D Way, M Witte, M Bernas, R Nagle, M Fiala, C Witte, M Milligan: AIDS-Kaposi sarcoma cells exhibit predominant endothelial phenotype in both tissue culture and on tissue section. Clin. Res. 39:81A, 322A, 1991.
- 10. Ramirez G, DL Way, M Witte, R Nagle, M Fiala, M Bernas, C Witte, M Milligan: Endothelial phenotypic heterogeneity in both AIDS-Kaposi sarcoma lesions and cultured cells. 1991 Keystone Symposia on Endothelial Cell Growth Factors and Angiogenesis, 4/1-7/91. J. Cellular Biology 15F:253, 1991.
- 11. Tanoura TT, A Darkazanli, E Elam, EC Unger, MJ Bernas, M Witte, A Green: MR imaging in experimental lymphatic filariasis using an interstitially injected iron oxide compound. Presented to the Society of MRI, Chicago, IL, 4/15-18/91; Program of the Ninety First Annual Meeting of the Am. Roentgen Ray Society, 5/1-7/91, pp. 171-172, 1991. J. Magnetic Resonance Imaging 1:163-164, 1991.
- 12. Ramirez G, D Way, M Witte, M Fiala, R Nagle, M Bernas, C Witte, M Milligan: Endothelial phenotype and DNA cell-cycle activity of cultured AIDS-Kaposi sarcoma cells. Abstract Booklet, 13th Int'l. Congress of Lymphology, Paris, 9/29/91-10/5/91, S17-4, 1991. Symposium on AIDS, Other Immunodeficiency Disorders, and the Lymphatic System: Pathophysiology, Diagnosis, and Immunotherapy.
- 13. Case TC, D Way, M Witte, M Bernas, P Borgs, C Crandall, R Crandall, C Witte: Videomicroscopy of the mammalian *Brugia malayi* life cycle: Response to putative macrofilaricidal drugs. Abstract Booklet, 13th Int'l. Congress of Lymphology, Paris, 9/29/91-10/5/91, P3-15, 1991.
- 14. Case TC, A Darkazanli, M Bernas, E Unger, M Witte, C Crandall, C Witte, R Crandall: Magnetic resonance (MR) imaging of the lymphatic system with iron oxide (FeO) in experimental filariasis. Abstract Booklet, 13th Int'l. Congress of Lymphology, Paris, 9/29/91-10/5/91, S8-4, 1991.
- 15. Bernas M, P Borgs, G Ramirez, Jr, M Witte: *Mustela Putorius Furo* as a model of alcoholism. Abstract Booklet, 2nd Int'l. Conference on Alcohol, Drugs of Abuse, and Immunomodulation (AIDS), Tucson, AZ, September 9-12, p. 85, 1992. (Poster presentation.)
- Way D, P Borgs, M Bernas, G Ramirez, X Shao, M Witte, M Weinand, U Riedel, V Johnson, C Witte: Characterization of an established immortal endothelial cell line (RSE-1): Comparison to AIDS-Kaposi sarcoma cell cultures. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C. 9/20/93-9/26/93, p. 24.
- 17. Way D, M Witte, M Bernas, M Weinand, L Scott, X Shao, C Witte, M Fiala: *In vitro* models of angiotumorigenesis. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 24.

- 18. Bernas M, C Witte, G Pond, M Witte, J Scott, G Hanna, D Saewert: Enhanced lymphatic imaging using Imagent®LN in filaria-infected ferrets. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 30.
- 19. Bernas M, T Case, D Way, M Witte, C Witte, G Escobar, C Crandall, R Crandall, S Jamal: Videomicroscopy of intralymphatic-dwelling *Brugia malayi* in ferret filariasis. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 75.
- 20. Escobar G, M Bernas, T Case, B Witt, J Hartline, D Way, M Witte, P Borgs, C Witte: An in vitro videomicroscopic test system to assess putative filaricidal agents. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 75.
- 21. Borgs P, G Ramirez Jr, DL Way, MJ Bernas, MH Witte, CL Witte: Models of Kaposi sarcoma and endothelial cell angiotumorigenicity in rodents. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 76.
- 22. Bernas M, T Case, M Witte, C Witte, S Jamal, G McNeill, W Williams, E Unger, D Way, R Crandall, C Crandall: Non-invasive imaging of lymphatic filariasis in patients and ferrets. Abstract Booklet, 14th Int'l. Congress of Lymphology, Washington, D.C., 9/20/93-9/26/93, p. 78.
- 23. Witte MH, D Way, M Bernas, M Weinand, C Witte, M Fiala: In vitro models of angiotumorigenesis. Keystone Symposia on Molecular and Cellular Biology, Keystone, CO., 1/19/94. (Poster presentation.) J. Cell. Biochem. Supp. 18A:330, 1994.
- 24. Meade-Tollin L, D Way, M Witte, M Weinand, M Bernas, M Fiala, S Mallery, C Witte: Constitutive metalloproteinase secretion patterns in AIDS-associated Kaposi sarcoma cell lines. J. Invest. Med. 43:311A, 1995.
- 25. Witte M, M Bernas, M Kelly, R Witte, C Witte: Toward an international database-registry-collaboratory for lymphedema-angiodysplasia syndromes. Abstract Booklet, 15th Int'l. Congress of Lymphology, Recife, Brazil, 9/25/95-9/30/95, p. 26.
- 26. Williams W, M Bernas, G McNeill, C Witte, M Witte: Lymphatic transport index in peripheral lymphedema syndromes. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 41.
- 27. Way D, X Shao, P Borgs, M Bernas, C Witte, M Witte: Lymphatics of the nude mouse tail. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 42.
- 28. Borgs P, D Way, M Witte, M Bernas, M Schmelz, C Witte: *In vivo* Kaposi sarcoma-like lesions in nude mice derived from an established human thoracic duct endothelial cell line. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 49.
- 29. Schmelz M, D Way, M Bernas, M Witte, C Witte, R Moll, WW Franke: Complexus adhaerentes and Kaposi sarcoma. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 50.
- 30. Way D, M Bernas, M Witte, M Schmelz, L Meade-Tollin, M Dictor, M Fiala, C Witte: Phenotypic characterization of cultured AIDS-Kaposi sarcoma cells. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 50.
- 31. Bernas M, M Witte, C Witte, D Belch, P Summers: Limb volume measurement in lymphedema. Abstract Booklet, 15th Int'l. Congress of Lymphology, São Paulo, Brazil, 9/25/95-9/30/95, p. 61.
- 32. Dunn J, M Baker, M Bernas, M Witte, E Unger, D Way, P Borgs: Contrast enhanced ultrasound imaging of experimental model of Kaposi's sarcoma. 44th AUR Meeting, 4/17/96-4/21/96, Birmingham, AL.
- 33. Fiala M, F Chiappelli, A Fyfe, J Ramos, M Kashefi, MC Graves, MF Stins, KS Kim, D Way, M Bernas, M Witte, M Weinand, S Yei, JR Barber: Cytokines and gene transfer across a blood-brain barrier model. PsychoNeuroImmunology Research Society, Santa Monica, CA, 4/17/96-4/21/96.

- 34. Bernas M, M Witte, C Witte, D Belch, P Summers: Standardization in limb volume measurements for lymphedema. Abstract Booklet, 2nd National Lymphedema Network (NLN) Conference, S. San Francisco, CA, 9/19/96-9/22/96.
- 35. Summers P, M Bernas, M Witte, C Witte, D Belch: Approach to education and training with pediatric lymphedema patients. Abstract Booklet, 2nd National Lymphedema Network (NLN) Conference, S. San Francisco, CA, 9/19/96-9/22/96.
- 36. Williams W, G McNeill, M Bernas, M Witte, C Witte: Evaluation of peripheral lymphedema using a Transport Index (TI) in lymphangioscintigraphy. J. Nucl. Med. (Suppl) 37:183P, 1996 (Abstract).
- 37. Reiser FA, D Way, C Witte, M Witte, M Bernas: 2-Methoxyestradiol inhibits normal and angiotumor endothelial cell proliferation and cell cycle progression. Presented, Biomedicine '97, Washington, DC, 4/25-27/97. J. Inv. Med. 45:268A, 1997.
- 38. Hoyme HE, MH Witte, L Hauck, MJ Bernas, F Reiser, CL Witte: The primary familial lymphedema syndromes: Clinical classification revisited. Abstract Booklet. Presented at the David W. Smith Morphogenesis-Malformation Conference, August, 1997, Litchfield Beach, SC.
- 39. Witte MH, D Way, CL Witte, M Bernas: Control of lymphangiogenesis. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 5.
- 40. Williams WH, M Bernas, MH Witte, CL Witte, GC McNeill, JH Hall: Evaluation and significance of lymphangioscintigraphic transport index in acquired arm lymphedema. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 41.
- 41. Stazzone A, MH Witte, CL Witte, W Williams, G McNeill, G Escobar, P Summers, M Bernas: Evolution of lymphangioscintigraphic findings and value of combined physiotherapy in AIDS-associated Kaposi sarcoma lymphedema. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 42.
- 42. Witte CL, MH Witte, E Unger, M Baker, P Granstrom, M Bernas, W Williams: Percutaneous sclerosis of lymphangioma/lymphangiectasia syndromes. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 57-58.
- 43. Bernas M, MH Witte, V Staugaard, CL Witte: A lymphedema-angiodysplasia database. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 58.
- 44. Way D, MH Witte, CL Witte, Bernas M, L Fuchs: Quality control in a tissue culture laboratory in lymphology: Issues and guidelines. Abstract Booklet, 16th International Congress of Lymphology, Madrid, Spain, 9/21-27/97, p. 17.
- 45. Myloyde TL, M Bernas, MH Witte, CL Witte: Design and use of a model database registry for lymphedema angiodysplasia patients. Poster presentation. WFMR, Carmel, CA, 2/4-7/98. J. Inv. Med. 46:74A, 1998.
- 46. Erickson RP, T Glover, G Brown, N Affara, SS Drury, C Holberg, M Bernas, M Andrade, F Reiser, C Witte, M Witte: Identification and cloning of genes involved in lymphedema. Presented at the David W. Smith Morphogenesis-Malformation Conference, August 1998, Litchfield, SC.
- 47. Witte CL, MH Witte, M Bernas, GC McNeill, WH Williams: Lymphatic imaging: Accuracy in diagnosis, blueprint for prevention and therapy baseline for monitoring treatment. The Third National Lymphedema Network Conference. San Francisco, CA, September 17-20, 1998. Abstract Booklet, Advances in Lymphatic Imaging session, 9/19/98.
- 48. Lee-Donaldson L, M Bernas, M Witte, C Witte, D Way, D Stea: A rodent method of peripheral lymphedema. Presented WFMR, Carmel, CA, 1/27-30/98 and Poster Presentation at the Experimental Biology '99, Washington, DC, 4/18-21/99. J. Inv. Med. 47:82A and J. Inv. Med. 47:198A, 1999.

- 49. Lee-Donaldson L, M Bernas, L Ortiz, M Witte, C Witte, D Stea: Effects of pneumatic compression therapy on secondary lymphedema in a rodent model. WFMR, Carmel, CA, 1/27-30/98. J. Inv. Med. 47:99A, 1999; and Poster Presentation at Experimental Biology '99, Washington, DC, 4/18-21/99. and J. Inv. Med. 47:199A, 1999.
- 50. Martin C, M Witte, M Bernas, D Way, L Lee-Donaldson, C Witte: Effect of vascular endothelial growth factor (VEGF) on microcirculatory water and protein flux in the rat intestine. Presented at WFMR, Carmel, CA, 1/27-30/98 and Poster Presentation at Experimental Biology '99, Washington, DC, 4/18-21/99. J. Inv. Med. 47:87A, 1999 and J. Inv. Med. 47:201A, 1999.
- 51. Witte M, M Bernas, R Erickson, M Andrade, J Cheshier, M Alcoba, N Garrison, C Witte. Lymphedemaangiodysplasia syndromes: Genetic and developmental update. Abstract Booklet, 17th International Congress of Lymphology, Madras, India, 9/19-25/99, p. 90.
- 52. Bernas M, C Witte, G McNeill, W Williams, MH Witte. Preliminary effort to quantify lymph transport and absorption into the bloodstream using ferrets with filariasis. Abstract Booklet, 17th International Congress of Lymphology, Madras, India, 9/19-25/99, p. 93.
- 53. Martin C, M Witte, M Bernas, D Way, L Lee-Donaldson, C Witte. Effect of vascular endothelial growth factor (VEGF) on microcirculatory water and protein flux in the rat intestine. Abstract Booklet, 17th International Congress of Lymphology, Madras, India, 9/19-25/99, p. 96.
- 54. Lee-Donaldson L, M Bernas, M Witte, C Witte, D Way, A Gmitro, BD Stea. A rodent model of peripheral lymphedema. ISL Presidential Prize. 17th International Congress of Lymphology, Abstract Booklet, Madras, India, 9/19-25/99, Presidential prize, p. 97.
- 55. Bernas M, L Lee-Donaldson, P Summers, B Kriederman, L Ortiz, BD Stea, M Witte, C Witte. Simulation of physical treatment modalities in a rodent model of peripheral lymphedema. 17th International Congress of Lymphology, Abstract Booklet, Madras, India, 9/19-25/99, p. 98.
- 56. Garrison N, R Erickson, M Bernas, J Cheshier, M Andrade, M Alcoba, M Witte: Genetic studies of familial Milroy lymphedema. Presented at the Society for Advancement of Chicanos and Native Americans in Science (SACNAS), 1999.
- 57. Whitehair O, M Bernas, MH Witte: Vascular endothelium growth factor-C (lymphatic growth factor) and its Flt-4 receptor (VEGFR) in cultured cell systems and in vivo lymphangiogenesis: Preliminary observations. Poster presented at the Louis Stokes Alliance for Minority Participation and Minority Graduate Education Program 1999 Summer Research Conference, Birmingham, AL, 8/1-2/99.
- 58. Martin C, M Witte, M Bernas, D Way, F Travis, C Witte: Systemic vascular endothelial growth factor/vascular permeability factor increases transcapillary (lymphatic) water and protein flux in the rat intestine primarily by increasing filtering surface area. Presented at WFMR, Carmel, CA, 2/9-12/00. J. Inv. Med. 48:89A, 2000.
- 59. Martin C, M Witte, M Bernas, D Way, F Travis, C Witte: Systemic vascular endothelial growth factor (VEGF-1) increases rat intestinal transcapillary (lymphatic water) and protein flux by enhancing filtering surface area. Presented at Keystone Symposia on Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, UT, Mar 2-7, 2000. Abstract Booklet, p. 72.
- 60. Ammouri L, B Kriederman, M Bernas, L Lee-Donaldson, M Witte, C Witte and B Stea: A refined model of rodent lymphedema to assess pathophysiology and treatment. Presented at Keystone Symposia on Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, UT, Mar 2-7, 2000. (ommitted from Abstract Booklet)
- 61. Martin C, M Witte, M Bernas, D Way, F Travis, C Witte: Systemic vascular endothelial growth factor (VEGF-1) increases rat intestinal transcapillary (lymphatic water) and protein flux by enhancing filtering

- surface area. Oral presentation at Experimental Biology 2000, Featured Symposium Cell Physiology of VEGF session, San Diego, CA, 4/15-18/00. J. Inv. Med. 48:197A, 2000 and FASEB J. 14:A695, 2000.
- 62. Kriederman B, M Bernas, L Lee-Donaldson, M Witte, C Witte, F Travis, L Ortiz, P Summers, B Stea: Effect of physical treatment (PT) modalities in a rat lymphedema model. Presented at Experimental Biology 2000, San Diego, CA, 4/15-18/00. J. Inv. Med. 48:193A, 2000 and FASEB J. 14:A714, 2000.
- 63. Kriederman B, T Myloyde, L Ammouri, S Preciado, M Bernas, L Ortiz, O Whitehair, F Travis, S Rich, P Summers, L Lee-Donaldson, B Stea, C Witte, M Witte: Limb volume reduction after physical treatments in rodent model of peripheral lymphedema. Presented at WFMR, Carmel, CA, 2/7-10/01. J. Inv. Med. 49:68A, 2001.
- 64. Myloyde T, M Bernas, MH Witte, P Summers, C Witte: Design and use of a model database registry for lymphedema-angiodysplasia patients. Presented at WFMR, Carmel, CA, 2/7-10/01. Presented at WFMR, Carmel, CA, 2/7-10, 01 and AFMR/APOR, Crystal City, VA, 3/01. J. Inv. Med. 49:45A, 2001.
- 65. Holberg CJ, RP Erickson, MJ Bernas, MH Witte, KB Fultz, M Andrade, CL Witte: Segregation analysis and a genome-wide linkage search confirm genetic heterogeneity and suggest oligogenic inheritance in some Milroy congenital primary lymphedema families. "Conquering Lymphatic Disease: Setting the Research Agenda," Proceedings of the NIH Think Tank Conference, Natcher Conference Center, Bethesda, MD, 5/11-13/00. Witte M, Editor; M Bernas, W Chaite, R Ferrell, D Finegold, DN Granger, M Johnston, L Leak, S Rockson, C Witte, Co-Editors. ©The University of Arizona, 2001, p. 80.
- 66. Kriederman B, M Bernas, L Lee-Donaldson, L Ammouri, M Witte, C Witte, F Travis, T Myloyde, O Whitehair, L Ortiz, P Summers, B Stea: A refined model of rodent lymphedema to assess pathophysiology and treatment. "Conquering Lymphatic Disease: Setting the Research Agenda," Proceedings of the NIH Think Tank Conference, Natcher Conference Center, Bethesda, MD, 5/11-13/00. Witte M, Editor; M Bernas, W Chaite, R Ferrell, D Finegold, DN Granger, M Johnston, L Leak, S Rockson, C Witte, Co-Editors. ©The University of Arizona, 2001, p. 130.
- 67. Myloyde TL, M Bernas, MH Witte, P Summer, CL Witte: Design and use of a model database registry for lymphedema-angiodysplasia patients. ISL Presidential Prize. 18th Int'l Congress of Lymphology, Abstract booklet, Genoa, Italy, 9/3-7/01, p 92.
- 68. Myloyde T, P Schornack, B Kriederman, R Gillies, M Bernas, M Witte, A Gmitro, Z Bhujwalla, C Witte: Magnetic resonance imaging (MRI) of the lymphatic system: Experimental studies. ISL Presidential Prize winner. 18th Int'l Congress of Lymphology, Abstract booklet, Genoa, Italy, 9/3-7/01, p 70.
- 69. Kriederman B, T Myloyde, L Ammouri, S Preciado, M Bernas, L Ortiz, O Whitehair, F Travis, S Rich, P Summers, L Lee-Donaldson, B Stea, C Witte, M Witte: Limb volume reduction after physical treatments in a rodent model of peripheral lymphedema. ISL Presidential Prize. 18th Int'l Congress of Lymphology, Abstract booklet, Genoa, Italy, 9/3-7/01, p 86.
- 70. Witte M, A Scadron, M Bernas, T Myloyde: MI Collaboratory. SEPA Meeting Posters, Houston 03/02
- 71. Kriederman B, T Myloyde, M Bernas, M Lynch, S Preciado, P Summers, L Lee-Donaldson, B Stea, C Witte, M Witte: Massage therapy minimizes and reduces swelling in a rodent model of post-cancer treatment lymphedema. J. Inv. Med. 50:171A, 2002
- 72. Myloyde T, A Pedersen, S Reynolds, M Bernas, V Hau, S Preciado, G Wagner, C Witte, M Witte: Summer Institute on Medical Ignorance: Impact of the University of Arizona NIH-minority/disadvantaged high school student research program. J. Inv. Med. 50:166A, 2002.
- 73. Kriederman B, C Martin, M Witte, T Myloyde, C Witte, M Bernas, R Zeigler, M Lynch, C Suri, N Gale, G Yancopoulos: Angiopoietin-2 and lymphatic development. Abstract Booklet. Presented at 14th Annual University of Arizona Dept of Surgery Research Symposium, 11/15/02.

- 74. Witte C, M Bernas, T Myloyde, B Kriederman, G McNeill, W Williams, P Schornack, GA Kostis, M Witte: Lymphatic imaging à la Charles Witte: From quicksilver to computers. Invited lecture presented by M Bernas at 19th International Congress of Lymphology, Freiburg, Germany, 9/1-6/03, Abstract booklet, p.15.
- 75. Bernas, M, B Kriederman, M Lynch, T Myloyde, P Summers, C Witte, M Witte: Massage therapy for lymphedema treatment.19th International Congress of Lymphology, Freiburg, Germany, 9/1-6/03, Abstract booklet, p. 16.
- 76. Kriederman, B, T Myloyde, M Witte, S Dagenais, C Witte, M Rennels, M Bernas, M Lynch, R Erickson, M Caulder, N Miura, D Jackson, TW Glover: *Foxc2* haploinsufficient mice are a model for human autosomal dominant lymphedema-distichiasis syndrome. ISL Presidential Prize. Presented at 19th International Congress of Lymphology, Freiburg, Germany, 9/1-6/03, Abstract booklet, p. 86.
- 77. Lynch, M, B Kriederman, R Zeigler, T Myloyde, M Bernas, P Summers, B Stea, C Witte, M Witte: Comparative efficacy of massage (manual lymph drainage) therapy components in reducing limb swelling in a rodent model of post-cancer treatment lymphedema. Presidential Prize. 19th Int'l Congress of Lymphology, Freiburg, Germany, 9/1-6/03, Abstract booklet, p. 92.
- 78. Noon, A, B Kriederman, M Witte, R Hunter, M Bernas, M Rennels, S Enerback, N Miura, C Witte, R Erickson, S Dagenais, T Glover: FoxC2 gene insufficiency and imbalance in the genesis of the distinctive lymphatic and ocular phenotype of lymphedema-distichiasis syndrome. Poster Presentation, AFMR, Chicago, IL, 4/16-17/04. J Inv. Med. 52:S386, 2004.
- 79. Witte, M, T Myloyde, A Pedersen, H Hopkins, M Bernas, A Scadron, J Nichols, G Wagner, J Taylor, C Witte, F Garcia, W Williams, V Hau: Summer Institute on Medical Ignorance (SIMI) (1987-2004). AHSC Frontiers in Biomedical Research, Tucson, AZ, 9/15/04 (http://www.medicalresearch.arizona.edu/forum abstracts.php).
- 80. Bernas M, CL Witte, MH Witte: A fantastic voyage through the lymph circulation: A patient-oriented research perspective. AHSC Frontiers in Biomedical Research Poster Session, Tucson, Arizona, 9/15/04 (http://www.medicalresearch.arizona.edu/forum_abstracts.php).
- 81. Noon A, B Kriederman, M Witte, R Hunter, M Bernas, C Witte, M Rennels, S Enerback, N Miura, S Dagenais, T Glover, R Erickson: Foxc2 gene insufficiency and imbalance in the genesis of the distinctive lymphatic and ocular phenotype of lymphedema-distichiasis syndrome. AHSC Frontiers in Biomedical Research Poster Session, Tucson, Arizona, 9/15/04 (http://www.medicalresearch.arizona.edu/forum abstracts.php).
- 82. Witte M, M Bernas: Landmarks and advances in translational lymphology. First Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 4/28-30/05. Abstract Proceedings Booklet.
- 83. Witte M, K Jones, MJ Bernas, CL Witte: Genes, receptors, lymphangiotumorigenesis and tumor lymphangiogenesis, Parma, 6/9-10/05, Abstract Proceedings Booklet.
- 84. Witte M, K Jones, MJ Bernas, CL Witte: Genes, receptors, lymphangiotumorigenesis, tumor lymphangiogenesis, and translational lymphology, Parma, 6/9-10/05, Extended Abstract Proceedings Booklet, European Journal of Lymphology 15:43, 2005, p. 12.
- 85. Witte M, K Jones, MJ Bernas, CL Witte: Genes, receptors, lymphangiotumorigenesis and tumor lymphangiogenesis, XXXI Congress of the Group of European Lymphology, Rome, Italy, 6/11-12/05, European Journal of Lymphology 15:44, 2005, p. 14.
- 86. Noon A, B Kriederman, M Witte, R Hunter, M Bernas, M Rennels, S Enerback, N Miura, C Witte, R Erickson, S Dagenais, T Glover: FOXC2 gene insufficiency and imbalance in the genesis of the distinctive lymphatic and ocular phenotype of lymphedema-distichiasis syndrome. 20th International Congress of Lymphology, Salvador, Brazil, 9/26-30/2005, Abstract booklet p. 40.

- 87. Dellinger MT, RJ Hunter, MJ Bernas, RP Erickson, MH Witte: Lymphatic phenotype of the Chy-3 mice: comparison to VEGF-C mice. 20th International Congress of Lymphology, Salvador, Brazil, 9/26-30/2005, Abstract booklet p. 41.
- 88. Richards G, M Bernas, R Hunter, B Kaylor, A Gmitro, M Witte: Rhodamine-based optical imaging of the murine lymphatic system. 20th International Congress of Lymphology, Salvador, Brazil, 9/26-30/2005, Abstract booklet, p. 58.
- 89. Bernas M, P Summers, E Hirleman, R Hunter, A Noon, R Ziegler, M Witte: MLD monotherapy in lymphedema prevention and control. 20th International Congress of Lymphology, Salvador, Brazil, 9/26-30/2005, Abstract booklet, p. 71.
- 90. Witte, MH, M Bernas: Genetics, Genomics, and Proteomics of Lymphedema-Angiodysplasia Syndromes. 22nd International Union of Angiology, Lisbon, Portugal, 6/24-28/2006, abstract booklet.
- 91. Bernas, M, M Witte, M Dellinger, R Hunter, R Erickson, D Duggan, E Hirleman, C Witte: From Molecular Lymphology to the Clinic: The Arizona Experience, XXXII Congress of the Group of European Lymphology, Hinterzarten, Germany, May 12-14, 2006, abstract booklet, p. 9.
- 92. Bernas, M, SPL Leong, MT Dellinger, LC Liu, T Jenkins, EM Garrafa, A Caruso, MH Witte: Isolation of human lymphatic endothelial cells. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 93. Fillmore, PR, WH Williams, M Bernas, C Witte, M Witte: Lymphangioscintigraphic patterns in lower extremity lymphedema in treated gynecological cancer. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 94. Richards, G, M Bernas, R Hunter, K Buttler, J Wilting, B Kaylor, A Gmitro, M Witte: Fluorescent imaging of the murine lymphatic system and postnatal lymphangiogenesis. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 95. Witte MH, M Dellinger, M Bernas, C Witte: Heme/Lymph Vasculogenesis, Angiogenesis, Antiotumorigenesis, and Tumor Angiogenesis: The Lymphologic Perspective. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 96. Daley SK, M McKenna, MJ Bernas, RJ Hunter, ED Hirleman, SA Moses, BD Stea, MH Witte: Efficacy of amifostine in minimizing limb swelling and promoting wound healing in a rodent model of cancer treatment-related lymphedema: a preliminary study. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 97. Fillmore PR, M Bernas, WH Williams, C Witte, M Witte: Lymphangioscintigraphy patterns of peripheral lymphedema following surgical and non-surgical treatment for gynecological cancer. Second Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/2-5/07. Abstract Proceedings Booklet.
- 98. Witte M, M Bernas: Curriculum on Medical (and All Other) Ignorance: What's Next in Science Education, Research and Innovation! Thirteenth International Thinking Pre-Conference Workshop, Norrköping, Sweden, 6/15-22/07, Abstract Booklet.
- 99. Witte MH, M Bernas: Unanswered Questions and Unquestioned Answers: Teaching Biomedical (and Other) Ignorance Live and on the Internet to Promote Curiosity, Learning, and Discovery. Thirteenth International Thinking Conference, Norrköping, Sweden, 6/15-22/07, Abstract Booklet, p. 91.

- 100. Witte, MH, M Dellinger, M Bernas: Heme/lymph vasculogenesis, angiogenesis, angiotumorigenesis and tumor angiogenesis: Need for a terminology adjustment. 21st International Congress of Lymphology, Shanghai, China, 9/26-29/2007, Abstract booklet, p. 26.
- 101. Bernas, MJ, WH Williams, MH Witte, E Unger, A Gmitro, CL Witte: MR imaging of the lymphatic system: History to state-of-the-art. 21st International Congress of Lymphology, Shanghai, China, 9/26-29/2007, Abstract booklet, p. 58.
- 102. Bernas, MJ, P Summers, CL Witte, MH Witte: MLD in early breast cancer-related lymphedema. 21st International Congress of Lymphology, Shanghai, China, 9/26-29/2007, Abstract booklet, p. 96.
- 103. Dellinger, MT, RJ Hunter, MJ Bernas, RP Erickson, NW Gale, GD Yancopoulos, MH Witte: Defective remodeling of the lymphatic vasculature in angiopoietin-2 knockout mice. 21st International Congress of Lymphology, Shanghai, China, 9/26-29/2007, Abstract booklet, p. 114.
- 104. Daley, SK, M McKenna, MJ Bernas, RJ Hunter, ED Hirleman, SA Moses, BD Stea, MH Witte: Efficacy of amifostine in minimizing limb swelling and promoting wound healing in a rodent model of cancer treatment-related lymphedema: A preliminary study. 21st International Congress of Lymphology, Shanghai, China, 9/26-29/2007, Abstract booklet, p. 115.
- 105. Daley, SK, M McKenna, MJ Bernas, RJ Hunter, ED Hirleman, SA Moses, BD Stea, MH Witte: Efficacy of amifostine in minimizing limb swelling and prompting wound healing in a rodent model of cancer treatment-related lymphedema: A preliminary study. 2007 AHSC Frontiers in Biomedical Research, 10/17/2007, Abstract # 116.
- 106. Bernas, MJ, SK Daley, M McKenna, RJ Hunter, ED Hirleman, SA Moses, BD Stea, MH Witte: Preclinical rat model of lymphedema: From massage to amifostine. XXXIV Congress of the Group of European Lymphology, Naples, Italy, 6/25-27/08. Abstract booklet.
- 107. Williams, W, M O'Chart, M Bernas, C Witte, M Witte: Chylous reflux syndromes: A lymphangioscintigraphic perspective. XXXIV Congress of the Group of European Lymphology, Naples, Italy, 6/25-27/08. Abstract booklet.
- 108. Kurtzman, D, C Cherington, M Bernas, MH Witte: Functional disruption of the lymphatic vasculature inhibits metastic dissemination of a murine melanoma. American College of Surgeons 2008 Annual Scientific Meeting, Tucson, Arizona, 11/1/2008. Abstract booklet.
- 109. Dellinger, M, M Bernas, R Erickson, M Witte: Lymphatic development: Biology and pathobiology. Third Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/6-9/09. Abstract Booklet, p.84.
- 110. Cherington, C, D Kurtzman, S Daley, A Carrasco, M Bernas, M Witte: Defective lymphatic function and primary tumor growth and spread in a murine model. Third International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/6-9/09. Abstract Booklet. Young Investigator Award.
- 111. Daley, S, E Bracamonte, A Sj, S Park, M McKenna, M Bernas, M Witte: Radioprotection against radiation induced lymphedema without tumor protection. Third Annual International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy; Chairman: SPL Leong; University of California, San Francisco, 5/6-9/09. Abstract Booklet.
- 112. Bernas, MJ, SK Daley, SH Ramirez, MA Brito, FL Cardoso, M Weinand, D Brites, MH Witte, Y Persidsky: A simplified method for isolation of human brain microvascular endothelial cells. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 66.

- 113. Bernas, MJ, SK Daley, P Summers, CL Witte, MH Witte: MLD monotherapy for lymphedema treatment. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 96.
- 114. Bernas, MJ, SK Daley, E Bracamonte, M McKenna, C Carati, MH Witte: Use of low-level laser in treatment of experimental lymphedema. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 119.
- 115. Daley, SK, E Bracamonte, A Stejskal, S Park, M McKenna, MJ Bernas, ED Hirleman, BD Stea, MH Witte: Radioprotection from radiation induced lymphedema without tumor protection. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 79.
- 116. Daley, S, C Cherington, D Kurtzman, A Carrasco, M Bernas, M Witte: Angiopoietin-2 lymphatic dysfunction and melanoma growth. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 81. (Poster Prize).
- 117. Williams, W, M O'Chart, M Bernas, C Witte, M Witte: Chylous reflux syndromes and lymphangioscintigraphy. 22nd International Congress of Lymphology, Sydney, Australia, 9/21-25/09. Abstract Booklet p. 72.
- 118. Montague, MD, SK Daley, MJ Bernas, C Cherington, MH Witte: The role of lymphatics in metastasis of melanoma. J. Inv. Med. 58 (1): 218 (#402), 2010.
- 119. Witte MH, PC Crown, JR Hall, MJ Bernas, SK Daley, FA Garcia, MJ Joyner: Virtual CRC-CTSA and Medical Ignorance Exploratorium (MIEx): Translating translation. ACRT/SCTS Joint Annual Meeting, Washington DC 4/5-7/2010, Clinical and Translational Science 3(2):S54, 2010 #A286.
- 120. Witte, MH, M Bernas, K Jones: Lymphvascular genomics and lymphangiogenesis: Background, terminology, and update. 36th European Congress of Lymphology, Athens, Greece, 5/14-16/10 European J. Lymphology 21(60)26, 2010.
- 121. Paniagua, D, L Jiménez, C Romero, I Vergara, A Calderón, M Benard, L Boyer, M Witte, M Bernas, C Sevcik, A Alagón: Blood pharmacokinetics of Micrurus fulvius venom after subcutaneous administration in sheep. 10th Panamerican Meeting of the International Society of Toxinology, April 18-22, 2010, Costa Rica.
- 122. Witte, MH, M Bernas, K Jones: Lymphvascular genomics and lymphangiogenesis: Background, terminology, and update. 36th European Congress of Lymphology, Athens, Greece, 5/14-16/10 European J. Lymphology 21 (60):26, 2010.
- 123. Alexander, JS, M Witte, S Daley, M Bernas: Foxc2 in experimental colitis. 9th World Congress for Microcirculation, 9/6-9/10, Paris, Ile-de-France, France (Abstract booklet).
- 124. Witte, MH, P Crown, M Bernas, J Hall, S Daley, F Garcia: Balancing medical informatics and medical "ignoramics": Curriculum, assessment, and the Virtual Clinical Research Center/Questionnarium. CSCR/MWAFMR 2011 Annual Meeting, Chicago, II, 4/14-15/11. J. Inv. Med. 59(4): 728, 2011.
- 125. Chen, L, D Yuen, M Bernas, M Witte, S Grimaldo: Specific role of angiopoietin-2 in corneal lymphangiogenesis. Association for Research in Vision and Ophthalmology (ARVO) annual meeting, Ft. Lauderdale, FL, 5/1-5/11. Invest. Ophthalmol. Vis. Sci. 2011; 52:6385.
- 126. Erickson, RP, M Khalil, CR Quiter, J Bauer, M Bernas, M Witte, MP Pearson, C Sargent: Searching for the lethal factor in FOXC2 mutation-caused abnormal lymphangiogenesis. David W. Smith Workshop on Malformations and Morphogenesis, 9/ 9/11-9/14/11, UCLA Lake Arrowhead Conference Center, Lake Arrowhead, CA

- 127. Daley, SK, E Bastidas, J Washington, MJ Bernas, MH Witte: Foxc2 deficiency and melanoma spread in a mouse model. 23rd International Congress on Lymphology, Malmö, Sweden, 9/19-23/11. Abstract Booklet, P14, p. 184.
- 128. Witte, MH, P Crown, M Bernas, S Daley, J Hall, F Garcia: Virtual clinical research center/questionarium (VCRC/Q): An inquiry-based translational science "training grid." ACRT/SCTS Joint Annual Meeting, Washington DC 4/18-20/2012, #P176, Clinical and Translational Science 5:175, 2012.
- 129. Witte, M, F Garcia, M Bernas, P Crown, J Hall, W Jacob, J Washington, B Juan, G Wagner: Translating Translation and Scientific Questioning in the Global K-12 Community. NIH SciEd 2013: Annual Conference for NIH Science Education Projects, Omaha, NE, May 13-15, 2013.
- 130. Washington, J, A Rodriguez A, S Daley, M Bernas, J Thorn, S Alexander, M Witte: Inflammatory bowel disease, lymphatic insufficiency, and progression to colorectal cancer: Experimental model development and pilot study. Joint International Sentinel Node and Cancer Metastasis Congress, San Francisco, CA, 5/28-30/13 Abstract Booklet, Poster presenters p.
- 131. Bernas, M, M Witte: Evaluation of the cancer patient with swelling: Differential diagnosis and the role of lymphoscintigraphy. Joint International Sentinel Node and Cancer Metastasis Congress, San Francisco, CA, 5/28-30/13 Abstract booklet A
- 132. Paniagua, D, L Jiménez, C Romero, I Vergara, A Calderón, M Benard, M Bernas, C Sevcik, M Witte, L Boyer, A Alagón: Understanding PK of coral snake envenomation: Toward improved antivenom therapy. American Conference on Pharmacometrics, 5/12-15/13, Fort Lauderdale, FL. J. Pharmacokinet. Pharmacodyn. 40:S77-S78, 2013.
- 133. Washington, J, S Daley, A Rodriguez, M Bernas, J Thorn, S Alexander, M Witte: Inflammatory colitis, lymphatic insufficiency, and progression to colorectal cancer in an experimental mouse model. J. Inv. Med. 62:206, 2014. 1st Prize, Subspecialty Award, Western Section, American Federation of Clinical Research, January 2014.
- 134. Bernas, M, M Witte: Lymphedema treatment: State-of-the-art from the ISL Consensus Document. 40th Congress of the European Society of Lymphology, Genoa, Italy, 9/25-27, 2014. Eur. J. Lymphology.
- 135. Witte, M, M Bernas: Genetics, GWAS, surgical genomics, and translation: Challenges and promise for personalized lymphology. Congress of the European Society of Lymphology, Genoa, Italy, 9/25/14 Eur. J. Lymphology.
- 136. Witte, M, M Bernas, P Crown: Translating translation and scientific questioning to the global K-12 community. Poster presentation. NIH SciEd 2014, 5/4-6/14.
- 137. Liu, Z, MJ Bernas, C Barber, LR Furenlid, [MH Witte], JM Woolfenden: A novel molecular imaging probe for differentiating colorectal cancer lesions from inflammatory tissues. Society of Nuclear Medicine (SNMMI) Annual Meeting, 6/6-10/15, Baltimore, MD. J. Nucl. Med. 56(suppl 3): 1158, 2015.
- 138. Becker, F, with M Bernas, M Witte, S Alexander et al: Reduced intestinal leukocyte exit heightens the severity of DSS colitis in a murine model of lymphovascular deficiency. Digestive Disease Week Meeting, 5/16-19/15, Washington, DC. Gastroenterology 148(4):S
- 139. Witte, M, T Garrabrant, J Hall, P Crown, M Bernas, S Lau-Graunhut, D Gaxiola, F Garcia, P Ceravolo, E Damiani, C Bellini: Mobile Medical Ignorance App (MoMIA): A new tool for promoting questions, questioning, and questioners (Q3) anytime, anywhere, anyone. Translational Science 2015: Annual Meeting of ACTS, 4/16-18/15. Clinical and Translational Science 8(3):181, 2015. Doi:10.1111/cts.12290.
- 140. Bedrick, A, S Lau-Braunhut, S Behan, S Daley, B Barber, J Livingston, M Brown, P Kuo, R Avery, M Bernas, M Witte: Whole body lymphangioscintigraphy and SPECT-CT in neonates, infants and small

- children with chylous reflux syndromes. 25th International Congress on Lymphology, San Francisco, CA, 9/7-11/15, Abstract booklet, P84
- 141. Daley, S, J Washington, M Bernas, E Meister, J Thorn, P Kiela, N Tanoue, S Alexander, M Witte: Effects of lymphatic insufficiency on inflammatory bowel disease and progression to colorectal cancer in an experimental mouse model. 25th International Congress on Lymphology, San Francisco, CA, 9/7-11/15, Abstract booklet, 182-LL4. ISL Presidential Prize; J. Invest. Med. 64:243, 2016 – First Prize, Gastroenterology Specialty Section, 1/16.
- 142. Skoch J, MJ Gallek, TL Ansay, M Behbahani, D Stidd, D Mount, A Manziello, M Witte, M Bernas, DM Labiner, ME Weinand: Cortical gene expression associated with seizure outcome following temporal lobectomy with amygdalohippocampectomy. Western Neurosurgical Society. Kaua'i. Sep. 2015.
- 143. Paniagua, D, L Jiménez, C Romero, I Vergara, A Calderón, M Benard, MJ Bernas, MH Witte, L Boyer, A Alagón: Antivenom effect on lymphatic absorption and pharmacokinetics of coral snake venom in a large animal model. International Society on Toxicology Meeting, Miami, Beach, FL, 9/18-23/16, Toxicon, 2016 (in press).

CURRICULUM VITAE

Jacqueline A. Chadwick, M.D., M.A.

EDUCATION

1967 - 1971 Arizona State University

Tempe, Arizona Major: Zoology, B.S.

1971 - 1975 University of Arizona College of Medicine

Tucson, Arizona

M.D.

1975 - 1978 Family Practice Residency

Scottsdale Memorial Hospital

Scottsdale, Arizona

1999 – 2006 Trinity International University

Deerfield, Illinois M.A. (Bioethics)

ACADEMIC APPOINTMENTS

1992 - 1999 Clinical Assistant Professor

Department of Family and Community Medicine

University of Arizona College of Medicine

Phoenix, Arizona

1999 – 2003 Clinical Associate Professor

Department of Family and Community Medicine

University of Arizona College of Medicine

Phoenix, Arizona

2003 - Present Clinical Professor

Department of Family/Community and Preventive Medicine

University of Arizona College of Medicine

Phoenix, Arizona

1998 – 2000 Clinical Assistant Professor

College of Public Health University of Arizona Tucson, Arizona Jacqueline A. Chadwick, M.D. Curriculum Vitae, Page 2 Revised May 2014

2000 – 2003 Clinical Associate Professor

College of Public Health University of Arizona College of Public Health

Tucson, Arizona

2003 – present Associate Professor

College of Public Health University of Arizona Tucson, Arizona

2013 – present Professor

Department of Family, Community and Preventive Medicine

University of Arizona College of Medicine

Phoenix, Arizona

2014 – present Professor

Department of Bioethics and Medical Humanism

University of Arizona College of Medicine

Phoenix, Arizona

EMPLOYMENT

1978 - 1980 Family Practice Residency

Assistant Director

Scottsdale Memorial Hospital

Scottsdale, Arizona

1980 - 1981 Part-time Occupational Medicine

Garrett Turbine Engine Company

Mesa, Arizona

1980 - 1990 Private Practice

Jacqueline A. Chadwick, M.D., Ltd.

Scottsdale, Arizona

1981 - 1986 Lecturing Physician/Re-Retirement Classes

Garrett Turbine Engine Company

Mesa, Arizona

1986 - 1990 Partner

Scottsdale Family Health Center

	Scottsdale, Arizona
1990 - 1992	Samaritan Physicians Center Chair, Family Practice Department Phoenix, Arizona
1994 - 2006	Part-time Volunteer Physician St. Vincent de Paul Free Clinic and Neighborhood Christian Clinic Phoenix, Arizona
1992 - 2013	University Physicians, Inc. Practicing at the office of Drs. Sieckmann, Ottwell, Chadwick, Sistek and Ripley North Medical Plaza III 10210 North 92 nd Street, Suite 106 Scottsdale, Arizona 85258
1992 - 1996	Associate Dean Phoenix Programs University of Arizona College of Medicine Phoenix, Arizona
1996 - 2001	Vice Dean Phoenix Programs University of Arizona College of Medicine Phoenix, Arizona
2001 – 2004	Associate Vice President Health Sciences College of Medicine Phoenix Campus Phoenix, Arizona
2004 – 2005	Vice Dean, Academic Affairs University of Arizona College of Medicine Phoenix Campus
2005 – 2009	Associate Dean, Clinical Affairs University of Arizona College of Medicine – Phoenix In partnership with Arizona State University
2009 - Present	Vice Dean for Academic Affairs University of Arizona College of Medicine – Phoenix

CERTIFICATION

Arizona State License #12887 1975

Certified by the American Board of Family Medicine 1978

Recertified 1984, 1990, 1996,

2002, 2008

HONORS AND AWARDS

1971 Outstanding Pre-Med Graduate, Arizona State University

1978 Chief Resident,

Family Practice Residency

1978 Diplomate,

American Board of Family Practice

1985 Women of Achievement Award,

Scottsdale Business and Professional Women

1989 Fellow,

American Academy of Family Physicians

1990-1991 Who's Who in Healthcare in Arizona,

Phoenix Business Journal

1993 College of Medicine Phoenix Alumni Award,

St. Joseph's Hospital and Medical Center

1993 Fred Mitten Medal for Leadership,

Maricopa County Medical Society

1995 Arizona's Family Physician of the Year,

Arizona Academy of Family Physicians

2002 Arizona Medical Association

President's Award for Distinguished Service

2003 Commission on the Status of Women Vision Award

University of Arizona Commissioned by the Arizona Board of

Regents

Health Care Heroes 2003 – Health Care Manager Award Sponsored by *The Business Journal*, Blue Cross Blue Shield of Arizona and The Plaza Companies
 Arizona Alumni Association Professional Achievement Award, University of Arizona Foundation, Tucson, Arizona

SERVICE

Outreach - Local and State

1984 - 1992	Sports Care Team, Scottsdale Memorial Hospital
1984 - 1992	Editorial Staff, "SCOPE" [Medical Staff Publication] Scottsdale Memorial Hospital
1986-1996	Board of Directors Arizona Academy of Family Physicians
1987 - 1992	Board of Trustees, Maricopa Foundation for Medical Care
1987- 2003	Long-Range Planning Committee, Arizona Medical Association
1988 - 1992	Co-Chair, Major Review Maricopa Foundation for Medical Care
1988 - 1992 1988 - 1992	Major Review
	Major Review Maricopa Foundation for Medical Care Vice President,
1988 - 1992	Major Review Maricopa Foundation for Medical Care Vice President, Maricopa Foundation for Medical Care Executive Committee,
1988 - 1992 1988 - 1992	Major Review Maricopa Foundation for Medical Care Vice President, Maricopa Foundation for Medical Care Executive Committee, Maricopa Foundation for Medical Care Board of Directors,

1989-1996, 2002-present	Executive Committee, Arizona Medical Association
1990-1994	Treasurer, Arizona Medical Association Subsidiaries
1991-1994	Long Range Planning Committee, Arizona Academy of Family Physicians
1992-2014	Committee on Governmental Affairs, Arizona Academy of Family Physicians
1992	President, Arizona Medical Association
1993	Governor's Health Benefit Plan Committee State of Arizona
1993	Immediate Past President, Arizona Medical Association
1993 - 1995	Board of Directors, Maricopa Area Health Education Center
1993-1995	Medical Education Committee, Arizona Medical Association
1994-1995	Co-Chair, Primary Care Task Force Arizona Council for Graduate Medical Education
1994-1995	Outgoing Past President, Arizona Medical Association

SERVICE

Outreach - Local & State (continued)

1994-1998	Committee on Long Range & Strategic Planning, Arizona Medical Association
1997-2002	Chair Committee on Long Range & Strategic Planning, Arizona Medical Association
1994-2005 2012-present	Chair Committee on Legislative & Governmental Affairs, Arizona Medical Association
1995-present	Board of Directors, Institute for Health Professions Education
1995-2003	Clinical Policy & Practice Committee St. Vincent de Paul Free Clinic
1995-present	Member, Committee on Bioethics, Arizona Medical Association
1996-2005	Member, Committee on Finance, Arizona Medical Association
1996-1997	Member, Committee on Medicine in Transition, Arizona Medical Association
1996-2003	Board of Directors, Scottsdale Memorial Health Systems, Inc.
1996	Speaker of Congress of Delegates Arizona Academy of Family Physicians Congress of Delegates
1998	Advisory Committee Member, Arizona Foundation for Women
1998-1999	Board of Medical Examiners Committee Arizona Medical Association

SERVICE

Outreach - Local & State (continued

1998-2000	Board of Directors Arizona Medical Association (AMA Alternate Delegate)
2000 – 2004	Board of Directors Arizona Medical Association AMA Delegate & Delegation Chair
2001 - 2004	Committee on Accreditation and Medical Education, Arizona Medical Association
2000 – present	Member, Health Careers Education Advisory Board Arizona Department of Education
2000 – 2003	Scottsdale Healthcare Board of Directors Quality Committee
2010	Arizona Academy of Family Physicians Legislative Task Force

Outreach - National

1990 - 1995	Family Practice Advisory Panel, The United States Pharmacopoeia Convention
1991 - 1993	Committee on Women in Family Medicine, American Academy of Family Physicians
1992-1993	Alternate Delegate, American Academy of Family Physicians
1994-2000	Alternate Delegate, American Medical Association
1994, 1995	Delegate, American Academy of Family Physicians
1998-2000	Executive Committee Member American Medical Association Forum for Medical Affairs (establish curriculum for programs)

Jacqueline A. Chadwick, M.D. Curriculum Vitae, Page 9 Revised May 2014

	2002 – 2011	Delegate American Medical Association
	2003 – 2013	Delegation Chair American Medical Association
	2004 – 2009	Board of Directors Christian Medical and Dental Association
<u>Citizer</u> Intr	nship ramural	
	1980 - 1992	Admissions Interviewer, University of Arizona College of Medicine
	1994 - 1995	Inter-University Council on Health Professions Education, University of Arizona College of Medicine Arizona Board of Regents
	1994 - 2006	Phoenix Promotion and Tenure Advisory Subcommittee University of Arizona College of Medicine
	1994 - 2000	Arizona Health Information Network, Board, University of Arizona College of Medicine
	1995	Keynote Speaker University of Arizona College of Medicine White Coat Ceremony
	1997 – 2002	Board of Directors Phoenix Area Medical Education Consortium
	1998	Board of Directors Secretary Phoenix Area Medical Education Consortium
<u>Other</u>		
	1992 - present	Executive Committee Member Arizona Council for Graduate Medical Education
	1998	Vice President, Arizona Council for Graduate Medical Education

Extramural

1993-2000	Chair, Joint Board on the Regulation of Physician's Assistants
1993	Keynote Speaker St. Joseph's Hospital & Medical Center Residency Graduation
1993 – present	Medical Education Committee Good Samaritan Regional Medical Center
1992-present	Doctor for the Day at the Arizona State Legislature
1996-2004	Adjunct Faculty, Phoenix Seminary
1996-present	Board of Directors, Phoenix Seminary
1998 - 2014	Chair, Phoenix Seminary Board of Directors
2001 – 2006	Health Careers Advisory Board State of Arizona Department of Education
2001 – 2009	Women in Medicine & Dentistry Commission Christian Medical and Dental Association
2002 - 2005	Advisory Board of the Healthcare Institute Arizona Hospital & Healthcare Association
2003	Biotech High School Advisory Committee Phoenix Union High School District

SOCIETIES

American Academy of Family Physicians Arizona Academy of Family Physicians American Medical Association Arizona Medical Association Maricopa County Medical Society Christian Medical and Dental Association Society for Teachers in Family Medicine

Publications

Family Medicine Review, Editor-In-Chief, 1999

What's the Big Deal? Human Embryonic Stem Cell and Cloning Research, *Leaders in a Changing World*, a publication of Phoenix Seminary, Fall 2001, Volume 1

Phoenix Rises, with Tucson's Help: Establishing the First four-Year Allopathic Program in the Nation's Fifth Largest City, *Academic Medicine, Vol. 82, No. 12/December 2007*

Leaving a Professional Legacy, AZ Medicine, Volume 21, No. 2, Summer 2010

University of Arizona College of Medicine: Tucson and Phoenix, A*cademic Medicine*, Volume 85, No.9, September Supplement 2010

Women Changing Medicine: Nothing New Under the Sun, *AZ Medicine*, Winter 2012

<u>Media</u>

1992-present Multiple television and radio interviews regarding various healthcare topics and bioethics

Scholarly Presentations

- 1. Ethical Considerations In Medicine
- 2. Nurse/Physician Relationships
- 3. Health System Reform
- 4. Women's Health Issues
- 5. Aging
- 6. Several Bioethics Presentations around the city (1998-present)
- 7. New Trends in Family Practice Education CME Conference, Kirksville College of Osteopathic Medicine, 1998
- 8. Women in Medicine, Christian Medical and Dental Association, 2001, 2003
- 9. Arizona Physicians Resource Council, April 23, 2002, Bioethics Presentation
- Health Information Management Association of Arizona, May 3, 2002, Medical Ethics

Grants and Contracts

20% 1993 Arizona Health Information Network \$306,300 The Flinn Foundation Co-principal investigator

Jacqueline A. Chadwick, M.D. Curriculum Vitae, Page 12 Revised May 2014

2%	1993	Women's Health Initiative Investigator	\$177,483 (total direct) \$1,756,5622	The University of Arizona College of Medicine
80%	1994	Phoenix Area Medical Education Consortium Principal investigator	\$407,800	The Flinn Foundation
5%	1994	Rural Health Office/Rural Managed Care Study – Collaborator		The University of Arizona College of Medicine
100%	1998	AHSC Phoenix Campus Expansion Principal investigator	\$409,263	The Flinn Foundation
100%	1998	Learning Resource Center Study Grant	\$10,000	The Flinn Foundation
30%	1998	NAU Videoconference Link Co-principal investigator	\$368,235	The Flinn Foundation
10%	1998	Phoenix Area Medical Education Consortium – Collaborator	\$352,000	The Flinn Foundation
20%	2001	Faculty Development in Primary Care	\$350,000	Health Resources & Services Administration (HRSA)
100%	2002	Maricopa County Medical Interpreter Project	\$35,000	BHHS Legacy Foundation

This is a true and accurate statement of my activities and accomplishments. I understand that misrepresentation in securing promotion and tenure may lead to dismissal or suspension under ABOR Policy 6-201 I.1.b.

Jacqueline A. Chadwick, M.D., M.A.

Courtney Elizabeth Cross, Ph.D.

3575 East Chestnut Lane, Gilbert Arizona 85298 | ccross08@gmail.com | (281) 658-8226

Present Position and Address

Assistant Professor, Genetics and Cell Biology A.T. Still University School of Osteopathic Medicine 5850 East Still Circle

Mesa, Arizona 85206 Phone: (480) 219-6017 Email: ccross@atsu.edu

Education

Ph.D. Public Health

Division of Environmental Toxicology

Department of Preventive Medicine and Community Health University of Texas Medical Branch, Galveston Texas

December 2011

P.I. Sherif Z. Abdel-Rahman

Dissertation: Biological and Functional Consequences of Single Nucleotide Polymorphisms of the *O*⁶-*Methylguanine-DNA*-

Methyltransferase Gene

B.S. Molecular and Cell Biology

Texas A&M University, College Station Texas

May 2002

Teaching and Mentoring Experience

2011 – 2014

2015 – present	Adviser, North Country Healthcare Community Health Center A.T. Still University, Mesa Arizona
2014 - present	Assistant Professor, Genetics and Cell Biology A.T. Still University, Mesa Arizona
2012 – present	Invited Guest Instructor, Genes Environment & Disease University of Texas Medical Branch, Galveston Texas
2014	Instructor, Early Medical School Acceptance Program University of Texas Medical Branch, Galveston Texas
2006 – 2007	Teaching Assistant, PMCH 6443 Statistic Methodology I University of Texas Medical Branch, Galveston Texas
2005 – 2007 &	Instructor, MARB 489 Special Topics in Toxicology

Texas A&M University at Galveston, Galveston Texas

2006 Instructor, CHEM 101 Fundamentals of Chemistry Laboratory

Texas A&M University at Galveston, Galveston Texas

2005 Mentor, Summer Undergraduate Research Program

University of Texas Medical Branch, Galveston Texas

2005 Tutoring, School of Medicine

University of Texas Medical Branch, Galveston Texas

2004 – 2006 Tutoring, Graduate School of Biomedical Sciences,

University of Texas Medical Branch, Galveston Texas

Research Experience

2012 – 2014 Post-doctoral Toxicology Fellow

Division of Maternal-Fetal Pharmacology and Biodevelopment

Department of Obstetrics and Gynecology

University of Texas Medical Branch at Galveston

2011 – 2011 Research Assistant

Division of Maternal-Fetal Pharmacology and Biodevelopment

Department of Obstetrics and Gynecology

University of Texas Medical Branch at Galveston

2003 – 2011 Pre-doctoral Toxicology Fellow

Division of Environmental Toxicology

Department of Preventive Medicine and Community Health University of Texas Medical Branch, Galveston Texas

2000 – 2002 Laboratory Internship

Department of Biochemistry

Texas A&M University, College Station Texas

1998-1999 Research Co-op Program

Department of Hematology

University of Texas Health Science Center at San Antonio,

San Antonio Texas

Professional Service

2017 – present Co-course director, OMSII courses

2017 – present NBOME Item Writer

2016 – present Faculty Council

2016 – present	Policies and Procedures Advisory Group A.T. Still University School of Osteopathic Medicine
2016 – present	Vice-Chair, COCA Standard 7 Re-accreditation Committee A.T. Still University School of Osteopathic Medicine
2016 - present	Year 1/2 Committee
2015 – present	Research Committee A.T. Still University School of Osteopathic Medicine
2015 – present	Admissions committee A.T. Still University School of Osteopathic Medicine
2016 – 2017	Curriculum Committee A.T. Still University School of Osteopathic Medicine
2007 – 2008	Vice President, Preventive Medicine and Community Health Graduate Student Organization
2006 – 2007	Treasurer, Preventive Medicine and Community Health Graduate Student Organization
2006	Founding member, Preventive Medicine and Community Health Graduate Student Organization
Funding	
2012 – 2014	NIH Post-doctoral Toxicology Training Grant T32-07454 PI: Bill Ameredes, Ph.D. Role: Post-doctoral Toxicology Fellow
2006 – 2007	National Institute for Occupational Safety and Health Education Research Center T42 OH008421 PI: George Delclos, M.D., M.P.H., Ph.D. Role: Primary Investigator
2006 – 2008	National Institute of Environmental Health Sciences Pilot Project P30-ES06676 PI: James Halpert, Ph.D. Role: Co-Investigator
2004 – 2006	NIH Pre-doctoral Toxicology Training Grant T32-07454 PI: Mary Treinen-Moslen, Ph.D. Role: Pre-doctoral Toxicology Fellow

Additional Training

2014	National Board of Osteopathic Medical Examiners (NBOME) Item Writing Certification
2014	Teaching and Mentoring Post-doctoral Certification University of Texas Medical Branch, Galveston Texas
2013	Biosafety Level 2 re-certification University of Texas Medical Branch, Galveston Texas
2012	Good Laboratory Practices certification University of Texas Medical Branch, Galveston Texas
2004	Molecular biology and protein analysis training course University of Texas Medical Branch, Galveston Texas

Scientific Society Memberships

Current

American Society of Human Genetics (ASHG)
American Association for the Advancement of Science (AAAS)
Association of Professors of Human and Medical Genetics (APHMG)

Previous

American Association for Cancer Research (AARC) Environmental Mutagen Society (EMS) Lone Star Society of Toxicology (LSSOT) Society of Toxicology (SOT)

Volunteer work

2017 – current Board member

Joubert Syndrome and Related Disorders Foundation

Bibliography

Peer-Reviewed Publications:

Xu M, <u>Cross CE</u>, Speidel JT, Abdel-Rahman SZ. MGMT DNA repair gene promoter/enhancer haplotypes alter transcription factor binding and gene expression. Cell Oncol (Dordr). 2016 Oct;39(5):435-447.

Stephen LA, Tawamie H, Davis GM, Tebbe L, Nürnberg P, Nürnberg G, Thiele H, Thoenes M, Boltshauser E, Uebe S, Rompel O, Reis A, Ekici AB, McTeir L, Fraser AM, Hall EA, Mill P, Daudet N, Cross C, Wolfrum U, Jamra RA, Davey MG, Bolz HJ. TALPID3 controls centrosome and cell polarity and the human ortholog KIAA0586 is mutated in Joubert syndrome (JBTS23). Elife. 2015 Sep 19;4

<u>Cross CE</u>, Tolba MF, Rondelli CM, Xu M, Abdel-Rahman SZ. Oxidative Stress Alters miRNA and Gene Expression Profiles in Villous First Trimester Trophoblasts. Biomed Res Int. 2015; Epub 2015 Aug 3.

Xu M, Nekhayeva I, <u>Cross CE</u>, Rondelli CM, Wickliffe JK, Abdel-Rahman SZ. Influence of promoter/enhancer region haplotypes on MGMT transcriptional regulation: a potential biomarker for human sensitivity to alkylating agents. Carcinogenesis. 2014 Mar;35(3):564-71.

Kinslow CJ, El-Zein RA, Rondelli CM, <u>Hill CE</u>, Wickliffe JK, Abdel-Rahman SZ. Regulatory regions responsive to oxidative stress in the promoter of the human DNA glycosylase gene NEIL2. Mutagenesis. 2010; 25(2): 171-177.

Kinslow CJ, El-Zein RA, <u>Hill CE</u>, Wickliffe JK, Abdel-Rahman SZ. Single nucleotide polymorphisms 5' upstream the coding region of the NEIL2 gene influence gene transcription levels and alter levels of genetic damage. Genes Chromosomes Cancer. 2008; 47(11): 923-932.

Wolfe KJ, Wickliffe JK, <u>Hill CE</u>, Ammenheuser MM and Abdel-Rahman SZ. Single nucleotide polymorphisms of the DNA repair gene XPD/ERCC2 alter mRNA expression. Pharmacogenet Genomics. 2007; 17(11): 897-905.

<u>Hill CE</u>, Wickliffe JK, Guerin AT, Kinslow CJ, Wolfe JK, Ammenheuser MM, Abdel-Rahman SZ. The L84F polymorphism in the O6-Methylguanine-DNA-Methylransferase (MGMT) gene is associated with increased HPRT mutant frequency in lymphocytes of tobacco smokers. Pharmacogenet Genomics. 2007; 17(9): 743-753.

<u>Hill CE</u>, Wickliffe JK, Wolfe KJ, Kinslow CJ, Lopez MS, Abdel-Rahman SZ. The L84F and the I143V polymorphisms in the O6-methylguanine-DNA-methyltransferase (MGMT) gene increase human sensitivity to the genotoxic effects of the tobaccospecific nitrosamine carcinogen NNK. Pharmacogenet Genomics. 2005; 15(8): 571-578.

<u>Hill CE</u>, Affatato AA, Wolfe KJ, Lopez MS, Abdel-Rahman SZ. Gender Differences in Mutagenic Sensitivity to the Tobacco-Specific Nitrosamine NNK and the Influence of the Thr241Met Polymorphism in the XRCC3 Gene. Environ Mol Mutagen. 2005; 46(1): 22-29.

Mast N, Graham SE, Andersson U, Bjorkhem I, <u>Hill CE</u>, Peterson J, Pikuleva IA. Cholesterol Binding to Cytochrome P450 7A1, a Key Enzyme in Bile Acid Biosynthesis. Biochemistry. 2005; 44(9): 3259-3271.

Xu M, Speidel JT, <u>Cross CE</u>, Abdel-Rahman SZ. <u>MGMT</u> promoter/enhancer haplotypes alter transcription factors binding and <u>MGMT</u> promoter activity. SUBMITTED February 2015.

Oral and Poster Presentations:

2017: Poster: Joint American Association of Colleges of Osteopathic Medicine and Association of Osteopathic Directors and Medical Educators Meeting, Baltimore MD. Using Academic Risk Assessments in a Mission-Driven Environment to Predict COMLEX Level One Board Challenges. Milton Pong, Katherine Brown, Courtney Cross, and Deborah Heath.

2016: Poster: American Association of Colleges of Osteopathic Medicine Annual Conference, Washington D.C. Academic Assessment for Admissions in a Mission-Driven Environment. Milton Pong, Katherine Brown, <u>Courtney Cross</u>, and Deborah Heath.

2016: Poster: Society of Toxicology, New Orleans LA. *CYP2B6* Genetic Variability and Bupropion Metabolism in Pregnant Women. Meixiang Xu, Valentina Fokina, <u>Courtney Cross</u>, Tatiana N. Nanovskaya, and Sherif Abdel-Rahman.

2015: Poster: Society of Toxicology, San Diego California. Comparison of NAC and CAPE in Modulating H2O2-Induced Alterations in Cytotrophoblast Cell Survival, Apoptosis and miRNA Expression. <u>Courtney Cross</u>, Mai Tolba, Jordan Speidel, Meixiang Xu and Sherif Abdel-Rahman.

2015: Poster: Society of Toxicology, San Diego California. Identification of ABCB1 Promoter Haplotypes and Their Effects on Placental P-gp Levels. Jordan Speidel, Courtney Cross, Meixiang Xu and Sherif Abdel-Rahman.

2015: Poster: Society of Toxicology, San Diego California. MGMT P/E Haplotypes Alter Transcription Factors' Binding and MGMT Promoter Activity. Meixiang Xu, Ilona Nekhayeva, <u>Courtney Cross</u>, Jordan Speidel and Sherif Abdel-Rahman.

2014: Poster: Society of Toxicology, Phoenix Arizona. Protective Effect of CAPE Against ROS-Induced miRNA Expression and Apoptotic Pathway Activation. <u>Courtney</u>

<u>Cross</u>, Mai Tolba, Catherine Rondelli, Jordan Speidel, Meixiang Xu and Sherif Z. Abdel-Rahman.

2014: Poster: Society of Toxicology, Phoenix Arizona. MGMT Promoter/Enhancer Haplotypes Alter Transcription Factor Binding. Meixiang Xu, Ilona Nekhayeva, Courtney Cross, Jordan T. Speidel and Sherif Z. Abdel-Rahman.

2013: Poster: Society of Toxicology, San Antonio Texas. Effect of Increased Reactive Oxygen Species on MicroRNA Expression in First Trimester Placental Trophoblasts. Courtney Cross, Mai Tolba, Catherine Rondelli, Ilona Nekhayeva, Meixiang Xu, Sherif Abdel-Rahman.

2013: Poster: Society of Toxicology, San Antonio Texas. XPC haplotypes alter nucleotide excision repair and levels of UV-induced genetic damage. Rondelli CM, Etzel CJ, Cross C, Xu M, Abdel-Rahman SZ. Abstract ID 1691. The Toxicologist: An official journal of the Society of Toxicology, vol 132, #1, March 2013.

2013: Poster: Society of Toxicology, San Antonio Texas. *MGMT* Haplotypes Alter *MGMT* Expression and Can Thus Affect Response to Alkylating Agents. Meixiang Xu, Ilona Nekhayeva, <u>Courtney Cross</u>, Catherine Rondelli, Sherif Abdel-Rahman.

2011: Oral Presentation: Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston Texas. Biological and Functional Consequences of Single Nucleotide Polymorphisms in the DNA Repair Gene *MGMT*. Courtney E. Cross

2008: Oral Presentation: Department of Preventive Medicine and Community Health, University of Texas Medical Branch, Galveston, Texas. Biological and Functional Characterization of Polymorphisms in the *MGMT* Gene. Courtney E. Hill, Sherif Z. Abdel-Rahman

2007: Platform Presentation: Southwest Center for Occupational and Environmental Health; NIOSH ERC Pilot Projects Research Training Grant Symposium. Courtney <u>E. Hill</u>, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

2007: Oral: National Student Research Forum, University of Texas Medical Branch, Galveston, Texas. NEIL2 expression is associated with polymorphic sites in the promoter region of the gene. Carla J. Kinslow, <u>Courtney E. Hill</u>, Kevin J. Wolfe, Sherif Z. Abdel-Rahman

2007: Seminar: Department of Preventive Medicine and Community Health, University of Texas Medical Branch, Galveston, Texas. Newly discovered promoter SNPs in the DNA repair gene, NEIL2, modulate gene expression. Carla J. Kinslow, Courtney E. Hill, Kevin J. Wolfe, Sherif Z. Abdel-Rahman

2006: Oral Presentation: Gulf Coast Regional Chapter meeting, Waco, TX. Biological Consequences of Coding Polymorphisms in the MGMT Gene. <u>Courtney E. Hill</u>, Jeffrey

K. Wickliffe, Adele T. Guerin, Carla J. Kinslow, Kevin J. Wolfe, Csilla S. Hallberg and Sherif Z. Abdel-Rahman.

2006: Poster: 45th Annual meeting of the Society of Toxicology, San Diego, CA. Effect of polymorphisms in the MGMT gene on HPRT gene mutation frequency and mutation spectra. <u>Courtney E. Hill</u>, Jeffrey K. Wickliffe, Adele T. Guerin, Carla J. Kinslow, Kevin J. Wolfe, Csilla S. Hallberg and Sherif Z. Abdel-Rahman.

2006: Poster: 45th Annual meeting of the Society of Toxicology, San Diego, CA. A Rapid Approach to Estimate HPRT Mutant Frequencies and to Characterize HPRT Gene Mutations in Human Subjects. Adele T. Guerin, Jeffrey K. Wickliffe, Courtney E. Hill, J. Russ Carmical, Jonathan B. Ward, Marinel M. Ammenheuser, and Sherif Z. Abdel-Rahman.

2006: Oral: 45th Annual meeting of the Society of Toxicology, San Diego, CA. A pharmacogenetic approach for anticoagulation therapy: Effect of polymorphisms in the microsomal epoxide hydrolase (mEH) gene on Warfarin dose requirement and metabolism. Carla J. Kinslow, Megan M. Xue, H. vonMarrensdorff, Chul Lee, Csilla Hallberg, Courtney E. Hill, Kevin J. Wolfe, Sherif Z. Abdel-Rahman.

2006: Seminar: Department of Preventive Medicine and Community Health, University of Texas Medical Branch, Galveston, Texas. Functional Characterization of MGMT Polymorphisms. Courtney E. Hill, Jeffrey K. Wickliffe, Adele T. Guerin, Carla J. Kinslow, Kevin J. Wolfe, Sherif Z. Abdel-Rahman

2005: Oral Presentation: Gulf Coast Regional Chapter meeting, Austin, TX. Polymorphisms in the O6-Methylguanine-DNA-Methyltransferase gene increase mutation frequency and shift the mutation spectrum. <u>Courtney E. Hill</u>, Jeffrey K. Wickliffe, Adele T. Guerin, Carla J. Kinslow, Kevin J. Wolfe, Csilla S. Hallberg and Sherif Z. Abdel-Rahman.

2005: Oral: Gulf Coast Regional Chapter meeting, Austin, TX. A pharmacogenomic approach for anticoagulation treatment. Carla J. Kinslow, Megan M. Xue, H. vonMarrensdorff, Chul Lee, Csilla Hallberg, <u>Courtney E. Hill</u>, Kevin J. Wolfe, Sherif Z. Abdel-Rahman.

2005: Poster: 9th International Conference on Environmental Mutagens and the 36th Annual Meeting of the Environmental Mutagen Society; San Francisco, California. Effect of Polymorphisms in the MGMT gene on Protein Activity as Measured by a Novel Fluorescence-Based Assay. Courtney E. Hill; Jeffrey K. Wickliffe; Carla J. Kinslow; Kevin J. Wolfe; Sherif Z. Abdel-Rahman.

2005: Poster: 9th International Conference on Environmental Mutagens and the 36th Annual Meeting of the Environmental Mutagen Society; San Francisco, California. Functional characterization of coding polymorphisms in the nucleotide excision repair

gene XPD/ERCC2. Kevin J. Wolfe, <u>Courtney E. Hill</u>, Jeffrey K. Wickliffe and Sherif Z. Abdel-Rahman.

2005: Poster: 96th Annual Meeting of the American Association for Cancer Research; Anaheim, California. Polymorphisms in the DNA Repair Gene MGMT Influence Human Sensitivity to the Tobacco-Specific Nitrosamine NNK. <u>Courtney E. Hill</u>; Mirtha S. Lopez; Jeffrey K. Wickliffe; Alessandra A. Affatato; Kevin J. Wolfe; Carla J. Kinslow; Moreno Paolini; Sherif Z. Abdel-Rahman.

2005: Poster: 44th Annual Meeting of the Society of Toxicology; New Orleans, Louisiana. Modulation of NNK-induced Genetic Damage by a Polymorphism in the BER Gene APE1 in Smokers. Kevin J. Wolfe, Alessandra A. Affatato, <u>Courtney E. Hill</u>, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

2005: Poster: 44th Annual Meeting of the Society of Toxicology; New Orleans, Louisiana. Two Polymorphisms in the DNA Repair Gene MGMT Increase Human Sensitivity to the Tobacco-Specific Nitrosamine NNK. <u>Courtney E. Hill</u>, Alessandra A. Affatato, Kevin J. Wolfe, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

2005: Seminar: Department of Preventive Medicine and Community Health, University of Texas Medical Branch, Galveston, Texas. Modulation of the Mutagenic and NNK-Induced Genotoxic Response by Polymorphisms in MGMT. <u>Courtney E. Hill</u>, Alessandra A. Affatato, Kevin J. Wolfe, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

2004: Poster: 35th Annual Meeting of the Environmental Mutagen Society, Pittsburgh, Pennsylvania. Modulation of NNK-induced Genetic Damage by a Polymorphism in the BER Gene APE1 in Smokers. Kevin J. Wolfe, Alessandra A. Affatato, <u>Courtney E. Hill</u>, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

2004: Poster: 35th Annual Meeting of the Environmental Mutagen Society, Pittsburgh, Pennsylvania. A Polymorphism in the DNA Repair Gene MGMT Increases Human Sensitivity to the Tobacco-Specific Nitrosamine NNK. <u>Courtney E. Hill</u>, Alessandra A. Affatato, Kevin J. Wolfe, Lori A. Galbert, Jeffrey K. Wickliffe, Sherif Z. Abdel-Rahman.

Tara K Cunningham, Ed.D.

581 Magnolia Parkway | Benbrook, Texas 76126 | 623-261-1329 tara.k.cunningham@gmail.com | https://www.linkedin.com/in/tarakc

EDUCATION

- Ed.D. Higher and Post-secondary Education, Arizona State University
- M.S. Administration-Leadership, Central Michigan University
- B.A. Political Science; minor Speech Communications, Washburn University

PROFESSIONAL EXPERIENCE

Associate Dean, Admissions and Student Diversity, Texas Christian University and University of North Texas Health Science Center, Texas, June 2016 to present.

Associate Dean (promotion), Admissions and Recruitment, University of Arizona College of Medicine - Phoenix, Arizona, April 2015 to June 2016.

Co-director, Diversity and Inclusion, University of Arizona College of Medicine – Phoenix, Arizona, September 2014 to June 2016.

Assistant Dean (promotion), Admissions and Recruitment, University of Arizona College of Medicine - Phoenix, Arizona, February 2013 to April 2015.

Executive Director (promotion), Admissions and Recruitment, University of Arizona College of Medicine - Phoenix, Arizona, May 2010 to February 2013.

Director (promotion), Admissions and Student Affairs, University of Arizona College of Medicine - Phoenix, Arizona, July 2007 to May 2010.

Senior Coordinator, Admissions and Student Affairs, University of Arizona College of Medicine - Phoenix, Arizona, August 2006 to July 2007.

Transfer Coordinator, Enrollment Management, Washburn University, Kansas, January 2001 to July 2006.

TEACHING, MENTORSHIP, RESEARCH

Assistant Professor, Medicine Administration, University of Arizona College of Medicine – Phoenix, Arizona, February 2013 to June 2016.

• Courses taught: Introduction to Medicine, Students as Teachers Elective, and Introduction to Professional Studies in Health Sciences.

- Co-Curricular Director Introduction to Medicine.
- MD Student Research Mentor.
- Medical Education Research.

Ed.D. Dissertation Committee-3rd chair, Mary Lou Fulton College of Education, Arizona State University, Tempe, Arizona, November 2015 to present.

Adjunct Instructor, Nursing Department, Glendale Community College, Glendale, Arizona, June 2013 to 2014.

• Course taught: Introduction to Health Care Professions.

AWARDS AND TRAINING

Texas Christian University Faculty Bystander Trainer, 2017.

CookRoss, Inc. Everyday Bias for the Health Professions Trainer, 2016.

Association of American Medical Colleges Healthcare Executive Diversity & Inclusion Certificate, 2015.

University of Arizona College of Medicine – Phoenix Executive Leadership Certificate, 2015.

University of Southern California Keck School of Medicine Stephen Abrahamson Award for Medical Education Innovation, 2015.

Phoenix Business Journal "40 Under 40" Influential Leader Award, 2013.

University of Arizona Academic Leadership Institute Fellow, 2012.

Washburn University B.E.S.T. Management Award, 2000.

Washburn University Espirit de Corps Leadership Award, 2000.

Washburn Student Government Executive Staff of the Year Award, 2000.

PROFESSIONAL SERVICE

Texas Christian University and University of North Texas Health Science Center School of Medicine

- Author and Reviewer, Liaison Committee for Medical Education Self-study
- Author and Reviewer, Policy Workgroup

University of Arizona College of Medicine - Phoenix

- Ex-officio, Admissions Committee
- Author and Reviewer, Liaison Committee for Medical Education Self-study
- Co-chair, Diversity and Inclusion Leadership Committee

- Chair, Graduate Pathway Scholars Selection Committee
- Chair, Faculty Teaching Awards Nomination Committee
- Author and Reviewer, Academic Policy Workgroup
- Voting member, Block, Course, Theme Subcommittee
- Voting member, Student Progress Committee
- Non-voting member, Educational Policy Committee
- Non-voting member, Curriculum Committee
- Non-voting member, Clinical Curriculum Subcommittee
- Member, Commencement Committee; Platform Party Participant
- Member, White Coat Ceremony Committee; Platform Party Participant

Association of American Medical Colleges

- Voting Member, Group on Student Affairs National Steering Committee
- Chair, Western Group on Student Affairs
- Institutional Voting Representative, Group on Student Affairs
- Institutional Voting Representative, Group on Diversity and Inclusion
- Member, AspiringDocs Anatomy of an Applicant Selection Committee
- Member, Situational Judgment Test Review Advisory Committee
- Member, AMCAS Admission Processing Advisory Committee
- Reviewer, Group on Medical Education, RIME and Regional Conference Abstract
- Member, Holistic Review Project Leadership Team

University of Arizona

- Member, Health Sciences Diversity Committee
- Member, Indians Into Medicine Advisory Board
- Member, Appointed Professionals Advisory Council

Other Organizations

- Patron Member, National Association of Advisors for the Health Professions
- Member, City of Phoenix PlanPHX Leadership Committee
- Member, United Blood Services Community Leadership Council
- Member, Phoenix Youth Ballet Theatre Board of Directors
- Institutional Liaison, United States Army Medical Advisor Board Phoenix Division
- Institutional Liaison, Association of American Indian Physicians / Four Corners Alliance
- Member, Washburn University Alumni Association Board of Directors

CONFERENCE PRESENTATIONS

- Cunningham, T., Developing our GSA Community through Regional Activities. Talk presented at Association of American Medical Colleges National Meeting; June 2016; St. Louis, MO.
- 2. Cunningham, T., Creating a Situational Judgment Test to Predict Student Success. Talk presented at Association of American Medical Colleges National Meeting; June 2016; St. Louis, MO.
- 3. Johnson, T., Ballejos, M., Cunningham, T., Identifying and Promoting Best Practices in

- Native American Recruitment. Talk presented at Association of American Medical Colleges National Meeting; June 2016; St. Louis, MO.
- 4. Cunningham, T., Broadening Resources Involved in the Selection of Medical Students. Talk presented at Association of American Medical Colleges National Meeting; June 2016; St. Louis, MO.
- 5. Cunningham, T., Advancing the Holistic Review Initiative. Talk presented at Western Group on Education Affairs/Student Affairs; April 2015; San Diego, CA.
- 6. Cunningham, T., Building an Alliance: Pre-health Advisors and Medical School Admissions. Talk presented at Western Group on Education Affairs/Student Affairs; April 2015; San Diego, CA.
- 7. Cunningham, T., Pre-health Advisors: Language and Communication. Talk presented at Western Group on Education Affairs/Student Affairs; May 2013; Irvine, CA.
- 8. Cunningham, T., Pre-health Advisors: Our partners in medical school admissions. Talk presented at the Western Association of Advisors for the Health Professions; May 2013; Irvine, CA.
- 9. Cunningham, T., Effective Communication: What You Must Know. Talk presented at the Association of American Indian Physicians Pre-Admission Conference; March 2013; Aurora, CO.
- 10. Cunningham, T., Interview Etiquette and Professionalism. Talk presented at the Association of American Indian Physicians Pre-Admission Conference; March 2013; Aurora, CO.
- 11. Cunningham, T., The Admissions Dilemma: How Do We Really Know Our Process Works? Talk presented at the Association of American Medical Colleges Joint Professional Development for Admissions, Diversity Affairs and Student Record; June 2012; San Juan, PR.
- 12. Cunningham, T., Multiple Mini-Interviews: Lessons Learned. Talk presented at Western Group on Educational/Student Affairs; April 2012; Palo Alto, CA.

INVITED TALKS

- 1. Cunningham, T., Keynote Address. Talk scheduled at Texas Christian University Honor Society Induction Banquet, March 2017; Fort Worth, TX.
- 2. Cunningham, T., Henderson, M., Using AMCAS Application Elements to Enhance Holistic Review. Talk presented at Association of American Medical Colleges National Meeting; June 2016; St. Louis, MO.
- 3. Cunningham, T. Supporting the LGBT Student Community. Talk scheduled at the UA College of Medicine Phoenix Diversity and Inclusion Seminar Series; April 22, 2016; Phoenix, AZ.
- 4. Cunningham, T., Letters of Evaluation: How to Select a Letter Writer & What Admissions Committees Learn About You. Webinar presented at the Association of American Medical Colleges live-broadcast; March 21, 2016; Washington, DC.
- 5. Cunningham, T., Choosing the Right Medical School for You. Talk presented at the Association of American Medical Student Conference; October 2011-2015; Davis, CA.
- 6. Cunningham, T., Medical School Deans Panel. Panel at the Association of American Medical Student Conference; October 2011-2015; Davis, CA.
- 7. Cunningham, T., Preparing your Admissions Committee for the Multiple Mini-Interview. Talk presented to faculty; March 2012, Aurora, CO.

- 8. Cunningham, T., Medical School Insider: Admissions. Panel at the Kaplan headquarters; May 2011; New York City, NY.
- 9. Cunningham, T., Utilization of Technology in College Admissions. Talk presented at EduComm Conference; June 2010; Las Vegas, NV.

ORAL ABSTRACTS

- Cunningham, T., Creating a Situational Judgment Test to Predict Student Success. Oral presentation at Western Group on Education Affairs/Student Affairs; April 2015; San Diego, CA.
- 2. Cunningham, T., Creating a Situational Judgment Test to Predict Student Success. Oral presentation at University of Southern California Innovations in Medical Education Conference; February 2015; San Gabriel, CA.

POSTER PRESENTATIONS

- 1. Korenstein, A., Cunningham, T., Predictors of Primary Care Career Choice: A Review of AMCAS Applications of Four Graduating Classes at a New Medical School. Poster presented at Society of Teachers of Family Medicine Conference; January 2016; Phoenix, AZ.
- 2. Korenstein, A., Cunningham, T., Predictors of Primary Care Career Choice: A Review of AMCAS Applications of Four Graduating Classes at a New Medical School. Poster presented at Society of Teachers of Family Medicine Conference; January 2015; Orlando, FL.

STUART D. FLYNN, M.D.

Present Position: Dean

Texas Christian University/University of North Texas Health Sciences

Center School of Medicine

Office Address: TCU/UNTHSC School of Medicine

TCU Box 297085

Fort Worth, Texas 76129

Telephone Number: (817) 291-0579

Email Address: stuart.flynn@fwmdschool.org

Personal:

Wife Karen

Children Andrea

Shannon

Conor

Dillon

Bailey

Licenses: Texas (Pending)

Michigan (No. 42650) Retired

California (No. G51093) Retired

Maine (No. 11921) Retired

Connecticut (No. 027425) Retired

Arizona (No. 40082) Active

Certification: Diplomate, National Board of Medical Examiners, 1980

Diplomate, American Board of Pathology, 1983

Education:

High School Sault Area High School, Sault Ste. Marie, Michigan

1968-1972

College Lake Superior State University, Sault Ste. Marie, Michigan

1972-1975 No degree awarded

Medical School The University of Michigan, Ann Arbor, Michigan

1975-1979 Degree: M.D.

Honorary Yale University, New Haven, CT

2001 Masters in Arts, Honorary Degree

Professional Training:

July 1979-June 1983 The University of Michigan Medical Center, Combined Anatomic and

Clinical Pathology, Resident in Pathology

July 1983-June 1984 Stanford University School of Medicine, Fellow in Anatomic and

Molecular Pathology

Appointments:

July 1984-June 1985 Stanford University School of Medicine: Instructor in Pathology

July 1985-June 1986 Maine Medical Center: Associate Pathologist

Maine Cytometry Research Center: Associate Pathologist

July 1986-November 1990 Yale University School of Medicine: Assistant Professor of Pathology

December 1990-June 2001 Yale University School of Medicine: Associate Professor in Pathology

and Surgery

July 2001-June 2006 Yale University School of Medicine: Professor of Pathology and Surgery

July 1986-June 2006 Yale-New Haven Hospital: Attending Physician

April 1987-January 1992 Yale University School of Medicine: Director, Cytopathology Laboratory

July 1986-June 2006	Yale University School of Medicine: Director, Cell Marker Laboratory
July 1986-June 2006	Yale University School of Medicine: Director, Flow Cytometry
	Laboratory
July 1990-June 2006	Yale University School of Medicine: Section Head, Division of
	Genitourinary Pathology and Endocrine Pathology
July 1991-June1992	Yale University School of Medicine: Co-Director, Pathology Residency
	Program
July1992-June 1994	Yale University School of Medicine: Director, Pathology Residency
	Program
January 1993-June 2006	Yale University School of Medicine: Section Head, Division of
	Hematopathology
July 1996-June 2006	Yale University School of Medicine: Director, Medical Studies
March 2000-June 2001	Yale University School of Medicine: Associate Professor of
	Surgery/Oncology
July 2000-June 2006	Yale University School of Medicine: Director, Surgical Pathology
July 2001-June 2006	Yale University School of Medicine: Director, Pathology Residency
	Training Program
July 2001-June 2006	Yale University School of Medicine: Director and Coordinator, Pre-
	Clinical Modules
July 2006- April 2008	University of Arizona College of Medicine Phoenix: Associate Dean for
	Academic Affairs
July 2006-April 2016	University of Arizona College of Medicine Phoenix: Professor,
	Departments of Pathology and Basic Medical Sciences
	Arizona State University: Professor, School of Life Sciences
April 2008-April 2016	University of Arizona College of Medicine Phoenix: Dean
Professional Activities:	
1985-1986	Director, Immunohistochemistry Laboratory, Maine Medical Center
1985- 1986	Member, Foundation for Blood Research, Portland, Maine
1986-1988	Member, Cancer Committee, Yale University School of Medicine
1986-1993	Member, Gastrointestinal Cancer Study Group, Yale University School of
	Medicine

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1987-1988	Member, Tissue Committee, Yale-New Haven Hospital
1988-1994	Chairman, Tissue Committee, Yale-New Haven Hospital
1987-2006	Member, Professional Practices and Ethics, Connecticut Society of
	Pathologists
1987-1993	Coordinator, Clinicopathologic Conferences (Pathology),
	Yale University School of Medicine
1987-1989	Director, Photography Laboratory, Department of Pathology,
	Yale University School of Medicine
1987-1994	Member, Residency Selection Committee, Department of Pathology,
	Yale University School of Medicine
1987-1994	Member, Investigational Molecular Medicine Committee,
	Yale University School of Medicine
1988-2006	Member, Medical School Admissions Committee, Yale University
	School of Medicine
1990-2006	Study Group Member, Educational and Curriculum Committee,
	Yale University School of Medicine
1993-1995	Team Leader, Report Generation Improvement Committee, Department of
	Pathology, Yale University School of Medicine
1994-2006	Chairperson, Pathology Resident Education Committee,
	Department of Pathology, Yale University School of Medicine
1996-2006	Member, Basic Science Curriculum Committee, Yale University
	School of Medicine
1996-2006	Member, Educational Policy and Curriculum Committee, Yale
	University School of Medicine
1996-2006	Member, Medical School Council, Yale University School of Medicine
1996-2006	Member, Steering Committee, Medical School Council, Yale
	University School of Medicine
1997-2004	Chairman, Steering Committee, Medical School Council, Yale
	University School of Medicine
1998-Present	Member, National Board of Medical Examiners Pathology Test
	Committee
1998-Present	Member, USMLE Step I Test Material Development Committee

2001-2006	Director and Coordinator, Pre-Clinical Modules, Yale University School	
	of Medicine	
2002-2006	Member, Senior Faculty Allotment and Promotion Committee, Yale	
	University School of Medicine	
2004-2006	Member, Education Chairs Coordinating Committee, Yale University	
	School of Medicine	
2004-2006	Co-Director, Pre-Clinical Assessment Committee, Yale University School	
	of Medicine	
2005 -2006	Member, Pharmacology Task Force Committee, Yale University School of	
	Medicine	
2009-2016	Board Member, The Wellness Community of Arizona	
2010-2016	Executive Board Member, Arizona Medical Association	
2010-2016	Executive Board Member, Arizona Hospital and Healthcare Association	
2014-Present	Executive Board Member, International Society of Cardiovascular	
Translational Research		

Professional Societies:

Society of Analytical Cytology

Connecticut Society of Pathologists

Connecticut Cytology Association

New England Pathology Society

California Society of Pathologists

American Medical Association

American Association for the Advancement of Science

International Academy of Pathology

European Society for Analytical Cellular Pathology

American Society of Endocrine Surgeons

James French Society of Pathologists

Maricopa Medical Society

Arizona Hospital and Healthcare Association

Arizona Medical Association

Editorial Review Board/Journal Referee:

Advances in Anatomic Pathology

Cancer

Modern Pathology

Human Pathology

Journal of Urology

Laboratory Investigation

Oncology Research

Pediatric and Development Pathology

Professional Honors:

<u>The Averill A. Liebow Award</u> for excellence in the teaching of Pathology Residents,

Yale University School of Medicine, Department of Pathology 1989-1990.

<u>Distinguished Alumnus Award</u>, Lake Superior State University, 1993

A.J. French Society Distinguished Member, University of Michigan, 1993

Charles W. Bohmfalk Teaching Award, Yale University School of Medicine Teacher of the Year, 1998

Founding Member, Yale Society of Distinguished Teachers, 2002

America's Top Physician's Award, Consumers' Research Council of America, 2003

America's Top Physician's Award, Consumers' Research Council of America, 2004

Teacher of the Year Award, Yale University School of Medicine, 2004

<u>The Averill A. Liebow Award</u> for excellence in the training of Pathology Residents,

Yale University School of Medicine, Department of Pathology 2005-2006.

Distinguished Service Award, Arizona Medical Association, 2013

Phoenix Center City Starr Award, Phoenix Community Alliance, 2014

Grant Support:

Expired:

The Josiah Macy, Jr. Foundation

Interprofessional Primary Care Curriculum: Implementation and Evaluation

Co-P.I.: Stuart Flynn, Gerri Lamb, Phillip Schneider

Total costs: \$836,714

4/1/13-3/31/16

The Josiah Macy, Jr. Foundation

A New Integrated Interprofessional Curriculum Model

Co-P.I.: Stuart Flynn, Bernadette Melnyk, Phillip Schneider

Total costs: \$145,487

7/1/10-6/30/12

National Cancer Institute

Genetics and Epigenetic Susceptibility to Colon Cancer

P.I.: Y. Zhu

Total costs: \$2,432,141.00

1/1/06 - 12/31/10

National Institutes of Health

Circadian Disruption and Breast Cancer in Young Women

P.I.: T. Zheng

Total costs: \$4,054,087.00

12/1/05-11/30/10

National Institute of Health

RO1 CA62006-01

Hair dye use and risk of non-Hodgkin's lymphoma

P.I.: T. Zheng

Total amount per year: \$286,040 Total amount of grant: \$2,014,668

07/01/96 to 06/30/01

National Institutes of Health

CA47533-01

Molecular cytology in human pancreatic cancer

P.I.: J.D. Jamieson

Total amount of grant: 342,857 Total amount per year: 170,024

4/1/88-3/31/92

National Institutes of Health

NIH DK93-19

Nitric Oxide Transduction Mechanisms in Urinary Tract Infections and Insterstitial Cystitis

P.I.: Robert Weiss

Total amount of grant: \$860,312 Total amount per year: \$159,738

10/1/93-9/30/98

Yale University Comprehensive Cancer Center

Title: Image analysis as a clinical assay to measure intracellular topoisomerase content &

distribution

Name of P.I.: J. Murren

Total amount of grant: \$120,000 Total amount per year: \$20,000

1/1/93-12/31/93

National Institutes of Health NIH NCI RO1 CA41556

Growth Control of Normal and Malignant Keratinocytes

P.I.: M. Reiss

Total amount per year: \$192,497 (Dr. Flynn worked on this project until 12/31/99) 4/1/99-3/31/04.

Cancer Center Collaborative Research Award

Anti-phosphotyrosine screening of receptor activation in human breast and ovarian carcinoma

Total direct costs: \$10,000

11/1/90-1/31/91

Patents:

Identification of an RNA polymerase II Large subunit protein expressed in proliferative phase of the cell cycle

Patent number 6,007,985; 1998

Publications:

- 1. Flynn SD, Keren DF, Torretti B, Dieterle RC, Grauds S: Factors affecting enzyme-linked immunosorbent assay (ELISA) for insulin antibodies in serum. Clin Chem 27:1753-7, 1981.
- 2. Judd WJ, Oberman HA, Flynn SD: Fatal intravascular hemolysis associated with T-polyagglutination. <u>Transfusion</u> 22:345-6, 1982.

- 3. Berenson RJ, Flynn SD, Freiha FS, Kempson RL, Torti FM: Primary osteogenic sarcoma of the bladder. Case report and review of the literature. <u>Cancer</u> 57:350-5, 1986.
- 4. Hu E, Horning S, Flynn S, Brown S, Warnke R, Sklar J: Diagnosis of B cell lymphoma by analysis of immunoglobulin gene rearrangements in biopsy specimens obtained by fine needle aspiration. <u>J Clin Oncol</u> 4:278-83, 1986.
- 5. Nishiyama RH, Bigos ST, Goldfarb WB, Flynn SD, Taxiarchis LN: The efficacy of simultaneous fine-needle aspiration and large-needle biopsy of the thyroid gland. <u>Surgery</u> 100:1133-7, 1986.
- 6. Lynes WL, Flynn SD, Shortliffe LD, Lemmers M, Zipser R, Roberts J, Stamey TA: Mast cell involvement in interstitial cystitis. J Urol 138:746-52, 1987.
- 7. Flynn SD, Nishiyama RH, Bigos ST: Autoimmune thyroid disease: Immunologic, pathologic and clinical aspects. <u>Crit Rev Clin Lab Sci</u> 26:43-95, 1988.
- 8. Yousem SA, Flynn SD: Intrapulmonary localized fibrous tumor (Intraparenchymal so-called localized fibrous mesothelioma). Am J Clin Pathol 89:365-9, 1988.
- 9. Flynn SD: Lymphoproliferative disorders of the skin. <u>College of American Pathologists Symposium</u> 1988.
- 10. Flynn SD: Malignant lymphoma of the thyroid gland. <u>The American Society of Clinical Pathologists Check Sample Continuing Education Program</u>. Anatomic Pathology II, 12:1, 1988.
- 11. Flynn SD: An overview of cutaneous T-cell neoplasms. <u>American Society of Dermatology Symposium</u> 1988.
- 12. Lee F, Flynn SD, Salazar AM: Sudden death six weeks after a myocardial infarct. <u>Yale J Biol Med</u> 61:457-65, 1988.
- 13. Flynn SD, Forman BH, Stewart AF, Kinder BK: Poorly differentiated ("insular") carcinoma of the thyroid gland: An aggressive subset of the differentiated thyroid neoplasms. <u>Surgery</u> 104:963-70, 1988.
- 14. Chambers SK, Flynn SD, Del Prete SA, Chambers JT, Schwartz PE: Bleomycin, vincristine, mitomycin-C and cisplatinum in gynecologic squamous cell carcinomas: A high incidence of pulmonary toxicity. Gyn Oncol 32:303-9, 1989.
- 15. Bagwell SP, Flynn SD, Cox PM, Davison JA: Primary malignant melanoma of the lung. <u>Am</u> Rev Resp Dis 139:1543-7, 1989.
- 16. Leach SD, LaMorte AI, True LD, Flynn SD, Schwartz PE, Cahow CE, Kinder BK: Aberrant hormone production from ovarian neoplasms: Strategies for diagnosis and therapy. World J Surg 14:335-40, 1990.

- 17. Lynes WL, Flynn SD, Shortliffe LD, Stamey TA: The histology of interstitial cystitis. Am J Surg Pathol 14:969-76, 1990.
- 18. Flynn SD, Yousem SA: Pulmonary meningiomas: A report of two cases. <u>Hum Pathol</u> 22:469-74, 1991.
- 19. Scoutt LM, Flynn SD, Luthringer DJ, McCauley T, McCarthy S: Junctional zone of the uterus: Correlation of MR imaging and histologic examination of hysterectomy specimens. <u>Radiology</u> 179:403-7, 1991.
- 20. Poo WH, Fynan T, Davis C, Flynn SD, Durivage H, Todd M. High dose recombinant IL-2 alone in patients with metastatic renal cell carcinoma. Proceedings ASCO 10:557, 1991.
- 21. Lichter JB, Wu J, Genel M, Flynn SD, Pakstis AJ, Kidd JR, Kidd KK: Pre-symptomatic testing using DNA for individuals at risk for familial MEN 2A. <u>J Clin Endoc Metab</u> 74:368-73, 1992.
- 22. Reed JA, Brigati DJ, Flynn SD, McNutt NS, Min KW, Welch DF, Slater LN. Immunocytochemical identification of Rochalimaea henselae in bacillary (epithelioid) angiomatosis, parenchymal bacillary peliosis, and persistent fever with bacteremia. <u>Am J Surg Pathol</u> 16:650-7, 1992.
- 23. Seifer DB, Honig J, Penzias AS, Lavy G, Nadkarni PM, Jones EE, DeCherney AH, Flynn SD: Flow cytometric analysis of deoxyribonucleic acid in human granulosa cells as a function of chronological age and ovulation induction regimen. <u>J Clin Endoc Metab</u> 75:636-40, 1992.
- 24. Basson MD, Modlin IM, Flynn SD: Current clinical and pathologic perspectives on gastric stromal tumors. <u>Surg Gynecol Obstet</u> 175:477-89, 1992.
- 25. Filderman AE, Silvestri GA, Gatsonis C, Luthringer DJ, Honig J, Flynn SD: Prognostic significance of tumor proliferative fraction and DNA content in stage I non-small cell lung cancer. <u>Am Rev Respir Dis</u> 146:707-10, 1992.
- 26. Haffty BG, Toth M, Flynn SD, Fischer D, Carter D: Prognostic value of DNA flow cytometry in the locally recurrent, conservatively treated breast cancer patient. <u>J Clin Oncol</u> 10:1839-47, 1992.
- 27. Flynn SD, Murren J, Kirby W, Honig J, Kan L, Kinder B: P-glycoprotein expression and multidrug resistance in adrenocortical carcinoma. <u>Surgery</u> 112:981-6, 1992.
- 28. Ruggeri B, Zhang SY, Caamano J, DiRado M, Flynn SD, Klein-Szanto AJP: Human pancreatic carcinomas and cell lines reveal frequent and multiple alterations in the p53 and Rb-1 tumor suppressor genes. Oncogene 7, 1503-11, 1992.
- 29. Basson MD, Modlin IM, Flynn SD, Jena BP, Madri JA. Independent modulation of enterocyte migration and proliferation by growth factors, matrix proteins and pharmacologic agents in an in vitro model of mucosal healing. Surgery 112:299-307, 1992.

- 30. Haffty BG, Carter D, Flynn SD, Fisher D, Brash D, Fischer J: Local recurrence versus new primary: A clinical analysis of 82 breast relapses and potential applications for genetic fingerprinting. Int J Radiat Oncol Biol Phys 27:575-83, 1993.
- 31. Scoutt LM, McCauley T, Flynn SD, Luthringer DJ, McCarthy S: Zonal anatomy of the cervix: Correlation of MR imaging and histologic examination of hysterectomy specimens. <u>Radiology</u> 186:159-62, 1993.
- 32. Seifer DB, MacLaughlin DT, Penzias AS, Behrman HR, Asmundson L, Donahoe PK, Haning RV, Flynn SD. Gonadotropin-releasing hormone agonist induced differences in granulosa cell cycle kinetics are associated with alterations in follicular fluid Mullerian-inhibiting substance and androgen content. <u>J Clin Endocrinol Metab</u> 76:711-4, 1993.
- 33. Flynn SD, Kinder BK: Histologic, flow cytometric, and genetic criteria in endocrine surgery. Current Opinion in General Surgery 1:115-20, 1993.
- 34. Hwang E, Riese DJ, Settleman J, Nilson LA, Honig J, Flynn SD, DiMaio D: Inhibition of cervical carcinoma cell line proliferation by the introduction of a bovine papillomavirus regulatory gene. <u>J Virol</u> 67:3720-9, 1993.
- Wong TY, Reed JA, Suster S, Flynn SD, Mihm MC: Benign trichogenic tumours: a report of two cases supporting a simplified nomenclature. <u>Histopathology</u> 22:575-80, 1993.
- 36. August DA, Flynn SD, Jones MA, Bagwell CB, Kinder BK: Parathyroid carcinoma: The relationship of nuclear DNA content to clinical outcome. <u>Surgery</u> 113:290-6, 1993.
- 37. Mani S, Flynn SD, Duffy TP, Morgan W: Isolated amyloidosis of the penile urethra and corpus spongiosum. A case report. <u>J Urol</u> 150:1915-6, 1993.
- 38. Kozol RA, Geelhoed GW, Flynn SD, Kinder BK: Management of ectopic thyroid nodules. Surgery 114:1103-6, 1993.
- 39. Tan LK, Flynn SD, Carcangiu ML: Ovarian serous borderline tumors with lymph node involvement. Clinicopathologic and DNA content study of seven cases and review of the literature. Am J Surg Pathol 18:904-912, 1994.
- 40. Ennis RD, Flynn S, Fischer DB, Peschel RE: Preoperative serum prostate-specific antigen and Gleason grade as predictors of pathologic stage in clinically organ confined prostate cancer: Implications for the choice of primary treatment. Intl J Radiat Oncol Biol Phys 30:317-22, 1994.
- 41. Cooper DL, Sinard JH, Edelson RL, Flynn SD: Cardiogenic shock due to progression of cutaneous T-cell lymphoma. <u>South Med J</u> 87:89-94, 1994.
- 42. Scoutt LM, McCarthy SM, Flynn SD, et al. Clinical stage I endometrial carcinoma: pitfalls in preoperative assessment with MR imaging. Work in progress. <u>Radiology</u> 194:567-72, 1995.
- 43. Reale MA, Yen Y, Strair RK, Flynn SD, Cooper DL. Pseudoleukemia after granulocyte colony-stimulating factor therapy. South Med J 88:462-4, 1995.

- 44. Wong TY, Suster S, Bouffard D, Flynn SD, Johnson RA, Barnhill RL, Mihm MC Jr. Histologic spectrum of cutaneous involvement in patients with myelogenous leukemia including the neutrophilic dermatoses. Int J Dermatol 34:323-9, 1995.
- 45. Mani S, Haffty BG, Sinard J, Fischer D, Papac RJ, Flynn SD. DNA ploidy as a significant predictor of recurrence-free survival in male patients with breast cancer. <u>Breast J</u> 1:356-361, 1995.
- Pando JA, McLean RM, Flynn SD, Duffy TJ. Leukemic synovitis as the cause of arthritis in myelodysplastic syndrome. J Clin Rhematolology: Practical reports on rheumatic and musculoskeletal diseases 1: 125-7, 1995.
- 47. Flynn S. Polysialic acid of the neural cell adhesion molecule and other immunohistochemical markers in medullary thyroid carcinomas. Advances in Anatomic Pathology 3: 22-27, 1996.
- 48. Murren JR, Durivage HJ, Buzaid AC, Reiss M, Flynn SD, Carter D, Hait WN. Trifluoperazine as a modulator of multidrug resistance in refractory breast cancer. <u>Cancer Chemother Pharmacol</u> 38:65-70, 1996.
- 49. DiGiovanna MP, Carter D, Flynn SD, Stern DF. Functional assay for HER-2/*neu* demonstrates active signalling in a minority of HER-2/*neu*-overexpressing invasive human breast tumours. <u>Br</u> J Cancer 74:802-806, 1996.
- 50. Haffty BG, Brown F, Carter D, Flynn SD. Evaluation of HER-2/*neu* oncoprotein expression as a prognostic indicator of local recurrence in conservatively treated breast cancer: A case-control study. Int J Radiat Oncol Biol Phys 35:751-57, 1996.
- 51. Mitchell BK, Cornelius EA, Zoghbi S, Murren JR, Fedele J, Kinder BK, Flynn SD: Mechanism of technetium 99m sestamibi parathyroid imaging and the possible role of p-glycoprotein. Surgery 120:1039-45, 1996.
- 52. Citardi MJ, Abrahams JJ, Flynn SD, Sasaki CT. Efficacy of transcutaneous CT-guided fine needle aspiration biopsy in patients with laryngeal squamous cell carcinoma, probable failed radiation therapy and negative transmucosal biopsies. <u>Laryngoscope</u> 106:1244-7, 1996.
- 53. Fezza JP, Wolfley DE, Flynn SD. Malignant peripheral nerve sheath tumor of the orbit in a newborn: A case report and review. <u>J Pediatr Ophthalmol Strabismus</u> 34:128-31, 1997.
- 54. Troiano RN, Lazzarini KM, Scoutt LM, Lange RC, Flynn SD, McCarthy S: Fibroma and fibrothecoma of the ovary: MR imaging findings. <u>Radiology</u> 204:795-98, 1997.
- 55. Murren JR, Anderson S, Fedele J, Pizzorno G, Belliveau D, Zelterman D, Burtness BA, Tocino I, Flynn SD, Beidler D, Cheng Y. Dose escalation and pharmacodynamic study of topotecan in combination with cyclophosphamide in patients with refractory cancer. <u>J Clin Oncol</u> 15:148-57, 1997.

- 56. Troiano RN, Flynn SD, McCarthy S: Cystic adenomyosis of the uterus: MRI. <u>J Magn Reson Imaging</u> 8:1198-202, 1998.
- 57. Heptulla RA, Schwartz RP, Bale AE, Flynn SD, Genel M: Familial medullary thyroid carcinoma: Presymptomatic diagnosis and management in children. <u>J Pediatr</u> 135:327-31, 1999.
- 58. Hui P, Howe G, Crouch J, Qumsiyeh M, Rimm D, Flynn S, Tallini G, Smith B: Real-time quantitative RT-PCR of cyclin D1 mRNA in mantle cell lymphoma: Comparison with FISH and immunohistochemistry. <u>Leukemia and Lymphoma</u> 44:1385-94. 2003.
- 59. Morton LM, Holford TR, Leaderer B, Boyle P, Zahm SH, Zhang Y, Flynn SD, Tallini G, Zhang B, Owens PH, Zheng T. Cigarette smoking and risk of non-Hodgkin lymphoma subtypes among women. <u>Br J Cancer</u> 89:2087-2092, 2003.
- 60. Morton LM, Holford TR, Leaderer B, Boyle P, Zhang Y, Zahm SH, Boyle P, Flynn SD, Tallini G, Owens PH, Zhang B, Zheng T. Alcohol use and risk of non-Hodgkin's lymphoma among Connecticut women (United States). <u>Cancer Causes Control</u> 14:687-694, 2003.
- 61. Morton LM, Engels EA, Holford TR, Leaderer B, Zhang Y, Zahm SH, Boyle P, Boyle P, Flynn SD, Tallini G, Owens PH, Zhang B, Zheng T. Hepatitis C virus and risk of non-Hodgkin's lymphoma: A population-based case-control study among Connecticut women. <u>Cancer Epidemiol Biomarkers Prev</u> 13:425-430, 2004.
- 62. Zheng T, Holford TR, Leaderer B, Zhang Y, Zahm SH, Flynn SD, Tallini GT, Owens PH, Lan Q, Rothman N, Boyle P: Hair Coloring Product use and risk of Non-Hodgkin's lymphoma: A population-based case-control study in Connecticut. <u>Am J Epidemiol</u> 159:148-154, 2004.
- 63. Zheng T, Holford TR, Leaderer B, Zhang Y, Zahm SH, Flynn SD, Tallini GT, Zhang B, Zhou K, Owens PH, Lan Q, Rothman N, Boyle P: Diet and nutrient intakes and risk of non-Hodgkin's lymphoma in Connecticut women. <u>Am J Epidemiol</u> 159:454-466, 2004.
- 64. Zheng Y, Holford T, Leaderer B, Boyle P, Zahm S, Owens P, Zhang B, Zou K, Morton L, Owens P, Flynn S, Tallini G, Zheng T: Menstrual and reproductive factors and risk of non-Hodgkin's lymphoma among Connecticut women. Am J Epidemiol 160:766-773, 2004.
- 65. Zheng Y, Holford T, Leaderer B, Boyle P, Zahm SH, Owens P, Morton L, Zhang B, Zou K, Flynn S, Tallini G, Zheng T. Blood Transfusion and Risk of Non-Hodgkin's Lymphoma in Connecticut Women. <u>Am J Epidemiol</u> 160:325-330, 2004.
- 66. Zheng Y, Holford T, Leaderer B, Zahm SH, B, Boyle P, Morton L, Zhang B, Zou K, Flynn S, Tallini G, Owens P, Zheng T.. Prior medical conditions and medication use and risk of non-Hodgkin's lymphoma in Connecticut United States women. <u>Cancer Causes Control</u> 15:419-428, 2004.
- 67. Ariyan S, Ariyan C, Farber LR, Fischer DS, Flynn SD, Truini C. Reliability of identification of 655 sentinel lymph nodes in 263 consecutive patients with malignant melanoma. <u>J Am Col Surg</u> 198:924-932, 2004.

- 68. Dotto JE, Ahrens W, Lesnik D, Kowalsi D, Sasaki C, Flynn S. Solitary Fibrous Tumor of the Larynx: Case Report and Review of the Literature. <u>Arch Pathol Lab Med</u> 130:213-216, 2006.
- 69. Joiner KA, Malan TP, Schloss EP, Flynn SD, Chadwick JA: Phoenix Rises, with Tucson's Help: Establishing the First Four-Year Allopathic Program in the Nation's Fifth Largest City. Academic Medicine 82: 1126-1138, 2007.
- 70. Flynn SD: New Science Brings Opportunities for Museums. Museums and Social Issues 11: 4-8, 2016
- 71. Orloff JJ, Galbraith SC, Kinder BK, Cooper B, Flynn SD. A corticotropin-unresponsive, exclusively testosterone-secreting adrenal adenoma. JCEM (Submitted).
- 72. Cooper D, Flynn SD: Pseudoleukemia following granulocyte colony stimulating factor. <u>Blood</u> (Submitted).
- 73. Flynn SD, Jekel JF, Kinder BK: Size as a diagnostic criterion in follicular neoplasms of the thyroid. Surgery (Submitted).
- 74. Ribeiro CA, Katz LD, Flynn SD, Lawson JP: Synovial sarcoma. Skeletal Radiol (Submitted).
- 75. Chu P, Flynn SD, Claus E, Carter D: Angiogenesis and DNA ploidy by subtype of ductal carcinoma-in-situ (DCIS) of the breast. A study of 214 cases. <u>Cancer</u> (Submitted).

Chapters in Books:

- 1. Flynn SD: Leukocyte common antigen, immunoglobulins, and other hematolymphoid antigens. In True LD, <u>Atlas of Diagnostic Immunohistopathology</u>, Gower Medical Publishing, The C.V. Mosby Co., New York/London, 1989.
- 2. Flynn SD, Seifer D: The clinical application of human chorionic gonadotropin. In Henry JB, Clinical Diagnosis and Management, W.B. Saunders Co., Philadelphia/London, 1990.
- 3. Flynn SD, Kacinski B, Peschel R: The molecular pathology of the uroepithelium. In Ernstoff MS, <u>Urologic Cancer</u>, W.W. Norton Co., New York, 1995.
- 4. Flynn SD, Seifer D: Human chorionic gonadotropin. In Henry JB, <u>Clinical Diagnosis and Management</u>, W.B. Saunders Co., Philadelphia/London, 1995.

5. Friedlaender GE, Katz LD, Flynn SF: Paget's Disease and Paget's Sarcoma. In <u>Orthopaedic Knowledge Update: Musculoskeletal Tumors</u>, American Academy of Orthopaedic Surgeons, Rosemont, IL, 2002.

Danika N. Franks, M.D.

4213 Ranier Ct Fort Worth, TX 76109 • 469.865.9798 • danika.franksmd@gmail.com

Seeking the Assistant/Associate Dean of Students position at TCU and UNTHSC SOM.

EDUCATION

The University of Texas Southwestern Medical School Dallas, TX Doctor of Medicine 2002-2006

Served as the Health Professions Recruitment and Exposure Program Coordinator via the Student National Medical Association for 2 years at the local level, then one year at the national level. This program is designed to facilitate exposure to the health professions to high school students and involved over 200 students in the Dallas area.

Midwestern State University

Bachelor of Science in Biology, Summa Cum Laude

Honors: Clark Scholar 1999, Hardin Scholar 2000

Wichita Falls, TX
1997-2001

INTERNSHIP AND RESIDENCY

The University of Texas Southwestern Medical School
Parkland Hospital & Children's Medical Center
Emergency Medicine Chief Resident

Dallas, TX
2006-2009

Parkland Hospital and Children's Medical Center collectively triage over 240,000 adults and children yearly. They are both Level 1 Trauma Centers. Parkland also serves as a Burn Center, Chest Pain Center, and Stroke Center. As chief resident, I oversaw the scheduling and development of the EM residents as well as the residents rotating in our department. I also oversaw the clinical development of medical students at UTSW in their introduction to clinical medicine in their second year.

EXPERIENCE

Texas Health Resources Alliance Alliance, TX
Attending Emergency Medicine Physician 2015-present
Serve as an attending physician at a 70 bed hospital.

Texas Health Resources Harris Methodist Hospital of
Fort Worth/Willow Park/Burleson
Attending Emergency Medicine Physician
Serve as an attending physician at a stand alone ED.
Supervising attending for medical students from UNT-TCOM.

Texas Health Resources Outpatient Center
Attending Emergency Medicine Physician
Provide emergency care coverage for cardiac rehabilitation patients on site.

McKinney, TX
2014-2015

Texas Health Resources Presbyterian Hospital of Allen
Allen, TX
Attending Emergency Medicine Physician
Serve as an attending physician at a 73 bed Level IV
Trauma Center with over 29,000 ED visits per year.

Texas Health Resources Harris Southwest
Attending Emergency Medicine Physician
Served as an attending physician in a busy 151 bed hospital
with over 55,000 ED visits per year.

Fort Worth, TX
2009-2010

Texas Health Resources Winnsboro Winnsboro, TX
Attending Emergency Medicine Physician 2009
Provided single coverage emergency services for a 6-bed ED located in a small town in east Texas working 12 to 24 hour shifts.

Townview Magnet Center Dallas, TX Biology Instructor 2001-2002 Taught freshman biology and advanced placement biology at an area high school for students interested in professional career tracks.

LICENSURE

Texas Medical Board since 2009 American Board of Emergency Medicine since 2012

CURRICULUM VITAE

Name: RAJESH GANDHI,MD,PhD,FACS,FCCP,FCCM,CHCQM,FAIHQ

Mailing Address: John Peter Smith Trauma Center

Department of Surgery, OPC-303

1500 South Main Street Fort Worth, Texas 76104

Office Phone: (817) 927-1172

E-mail: rgandhi@jpshealth.org

Nationality: Citizen of the United States of America

Background Summary:

Born and lived in Tanzania for five years. Immigrated to Washington, DC in 1969. Elementary and high school education in Ardsley, New York. Attained a rank of Eagle Scout in the Boys Scouts of America. Completed Bachelor of Science degree at Massachusetts Institute of Technology, Cambridge, Massachusetts, in three years (1985). Attended Albany Medical College, Albany, New York. Completed M.D. and PhD degrees (with MS) in six years (1992). Married in 1994. Completed surgical residency with over 1,230 major cases, in 1997 at New York Medical College, Westchester County Medical Center, in Valhalla, New York. Completed fellowship in Pediatric and Adult Trauma and Surgical Critical Care at the Children's Hospital of Philadelphia and University of Pennsylvania Hospital, Philadelphia, Pennsylvania in 1999. Diplomat of the American Board of Surgery 1999. Son born in 1999. Special certificate in Surgical Critical Care 2000. Daughter born in 2001. FACS and FCCP in 2001. FCCM in 2005. Recertified in General Surgery in 2006. Recertified in Surgical Critical Care in 2007. Certified in Health Care Quality Management in 2007. Trauma Medical Director in Waco, TX 2003 – 2007. Trauma Medical Director at JPS Health Network in Fort Worth, TX 2007 – Current. Fellow of the American Institute for Healthcare Quality, 2008. 2009 JPS became Level I Trauma Center. Hobbies include cooking, travel, photography and reading.

EDUCATIONAL BACKGROUND

PREMEDICAL STUDIES: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Cambridge, Massachusetts September 1982 to June 1985

Bachelor of Science in Applied Biology

Course work: Applied Biology; Biophysics; Biochemistry; Cancer Biology; Genetic Toxicology.

Thesis: Synergistic Effects of Heat and Mutagens

Activities: Light Weight Crew (1982, 1983)

Student Council Representative (1983) Alpha Delta Phi Fraternity (1983-1985)

MEDICAL AND GRADUATE STUDIES: ALBANY MEDICAL COLLEGE

Albany, New York

August 1986 to May 1992

Masters of Science, May 1990

Doctor of Philosophy in Physiology, May 1991

Thesis: Effects of Charge on the Transvascular Transport of Albumin in Rabbit Skin and

Muscle.

Doctor of Medicine, May 1992

Honors: AMC Trustee Scholarship (1988-1992)

Dean's Senior Research Award (1992) Honorable Mention in Research (1988)

Activities: Crew (1986-1987)

Class Representative (1986)

American Medical Student Assoc., Chapter Pres. (1991)

POST GRADUATE TRAINING

Internship: New York Medical College, Westchester County Medical Center

Valhalla, New York July 1992 to June 1993

Residency: New York Medical College, Westchester County Medical Center

Valhalla, New York July 1993 to June 1997 Chief Resident 1996-97

- Graduated with over 1,230 major cases as surgeon.
- Adult and Pediatric Laparoscopic and Thoracoscopic Surgery
- Adult and Pediatric Surgical Critical Care, Burn and Trauma
- Information Systems Committee: (1996-97)
- Committee of Interns and Residents (Delegate): (1996-97)
- Research:
 - Video-assisted thoracoscopy in pediatric patients with empyema
 - Use of laparoscopy in pediatric trauma
 - The use of open abdomen technique in severe peritonitis
 - The use of open abdomen technique in pancreatitis
 - Laparoscopic cholecystectomy morbidity and mortality data

Fellowship: The University of Pennsylvania Hospital and Children's Hospital of Philadelphia

Philadelphia, Pennsylvania July 1997 to June 1999

- Extensive Adult, Pediatric, and Neonatal Surgical Critical Care and Trauma.
- Full clinical, academic and administrative responsibilities.
- Teach Traumatology to students, residents, and fellows (from other services).
- Mass Casualty Training for Swedish Trauma Teams.
- Training to establish Trauma Systems.
- Trauma Committee: The Children's Hospital of Philadelphia (1997-1999)
- Research:
 - Non-operative management of pediatric splenic injuries
 - Pediatric dog bite injuries
 - Guidelines for DOA in pediatric trauma
 - EAST Alexander Award Finalist (1999)

PRESENT POSITION

Medical Director, Trauma John Peter Smith Trauma Center

Fort Worth, Texas

August 2007 to Present

Associate Examiner The American Board of Surgery

September 24, 2015 - Present

Adjunct Clinical Associate

Professor

University of North Texas Health

Science Center at Fort Worth

Fort Worth, Texas 9/1/2014 - present

Chair North Central Texas Trauma Regional Advisory

Committee - NCTTRAC

Arlington, Texas

January 2011 – October 2015

Chair Item Development Editorial Board Committee

Society of Critical Care Medicine

January 17, 2015 - February 19, 2016

Chair – February 2016 – July 2016 Disbanded

PAST POSITIONS

Clinical Assistant Professor

Medical Director, Trauma Hillcrest Baptist Medical Center

And Surgical Critical Care Waco, Texas (June 2003-May 2007)

Director, Pediatric Trauma Morristown Memorial Hospital

Morristown, New Jersey (July 2000 to May 2003) University of Medicine and Dentistry of New Jersey

of Surgery Newark, New Jersey (July 2000 to June 30, 2006)

Clinical Assistant Professor University of Pennsylvania,

of Surgery Philadelphia, Pennsylvania (July 1999 to June 2000)

Fellow in Pediatric and Adult Surgical Critical Care and

Trauma

The University of Pennsylvania Hospital and Children's

Hospital of Philadelphia,

Philadelphia, Pennsylvania (1997-1999)

Instructor in Trauma

and Surgery

University of Pennsylvania,

Philadelphia, Pennsylvania (1997-1999)

Chief Resident in Surgery Westchester County Medical Center,

Valhalla, New York (1996-1997)

Instructor/Teaching Assistant Albany Medical College

Albany, New York (1987-1992)

Critical Care Technician Albany Medical College

Albany, New York (1987-1988)

Research Assistant Rockefeller University

Department of Immunology & Cellular Physiology

New York, New York (1985-1986)

ACADEMIC RESPONSIBILITIES

Clinical Assistant Professor

Surgery

Education of nurses, students, residents and fellows on the

General Surgery, Trauma, and Critical Care Services

Fellow in Pediatric/Adult Surgical education of students and residents on the Care/Surgical

Trauma, General Surgery, Trauma, and Critical Care Services.

Resident in Surgery Primarily in charge of the surgical education of students and junior

residents on the surgical services.

Advanced Trauma Life

Support Instructor

Responsible for trauma lectures and animal skills portion.

Taught a minimum of four courses per year since 1994.

Instructor Neonatal Advanced

Life Support

Responsible for teaching all aspects of the program

Instructor Nurse Anesthetist Medical Physiology Course

Teaching Assistant/Instructor Advanced Systems Physiology Course; Medical Physiology

Course; and Cardiovascular Dog Lab.

OTHER HONORS

Strathmore's Who's Who

Marquis Who's Who in America

Lexington's Who's Who

Physician of the Season Spring 2001, Morristown Memorial Hospital

Lone Star Circle of Life Honoree 2004

- 2008 Presidential Candidate Outstanding Contributions to Society of Critical Care Medicine
- Family Medicine Resident Teaching Award 2010
- Top Surgeons in America 2002, 2010 2016

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- 2015 Top Doc, Fort Worth, TX
- 2016 Presidential Citation Outstanding Contributions to the Society of Critical Care Medicine
- Top Doc 2017 Fort Worth, Texas Magazine

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MEDICAL QUALIFICATIONS

Diplomat: American Board of Surgery (February 10, 1999)

Certificate #43977

Valid through July 1, 2019

Certification: Surgical Critical Care (October 22, 1999)

Certificate #1732

Valid through July 1, 2020

Certification: Health Care Quality Management

Certificate #79454

Valid through December 31, 2017

Diplomat: National Board of Medical Examiners (July 1, 1993)

Certificate #389080

LICENSES

New Jersey State Medical License #MA 70784

Expires: June 30, 2017 Issued: June 6, 2000

New York State Medical License #199487

Expires: December 31, 2018

Issued: May 13, 1995

Pennsylvania State Unrestricted License #MD-063463-L

Expires: December 31, 2016 Issued: August 27, 1997

Texas State Unrestricted License #L6902

Expires: February 28, 2018 Issued: June 3, 2003

DEA Controlled Substance Registration Certificate #BG5636545

Expires: September 30, 2018 Issued: November 18, 1997

CONSULTING

Consultant/Speaker for LifeCell Corp. [June 2010 to December 2014]]

Consultant/Speaker for KCI [October 2010 to December 2014]]

Trauma Center Consulting [September 2013 to December 2014]]

OTHER QUALIFICATIONS

- Advanced Cardiac Life Support (February 1998 to Present)
- Advanced Trauma Life Support (1992 to Present)
- Advanced Trauma Life Support Instructor (1994 to Present) (Refresher Course August 8, 1997, 2006, 2008, 2010, 2014)
- Advanced Trauma Life Support State Faculty (2008 to Present)
- ASSET Course Provider 2015, Instructor 2016
- Trauma Ultrasound (FAST)
- Extra-corporeal Membrane Oxygenation (Course July 13, 1998)
- Fundamental Critical Care Support Course Instructor
- Fundamental Disaster Medicine Course Instructor
- ACS Disaster Management and Emergency Preparedness Instructor
- TETAF Level 3 Trauma Center Surgeon (2011 to February 2016)
- National Association of EMS Physicians [NAEMSP] Guide for Preparing Medical Directors Course – completed 5/20/2015
- Neonatal Resuscitation Instructor (July 1998-2003)
- Pediatric Advanced Life Support (February 1998 to 2008)
- Pediatric Advanced Life Support Instructor (January 2000 to 2008)
- Pediatric Advanced Life Support Provider (Eff Dec 2015; Exp Dec 2017)
- Neonatal Resuscitation (July 1998 to 2004)

MEMBERSHIPS/AFFILIATIONS (Present)

- American Association for the Surgery of Trauma AAST (#18777) Oct 2015
- American Board of Quality Assurance and Utilization Review Physicians (#79454)
- American College of Chest Physicians (Fellow #207061)
- American College of Surgeons (Fellow #3024225)
 - Member: Congressional Action Program
 - Member: Committee On Trauma, New Jersey (2003)
 - Member: Committee On Trauma, North Texas (2007)
- American Medical Association (Member #03503921544)
- American Trauma Society (Member #833896)
- Eastern Association for the Surgery of Trauma (Member)
 - EAST Bylaws Committee
- European Society of Intensive Care Medicine (Member)
- Society American Gastrointestinal Endoscopic Surgeons (Member)
- Society of Critical Care Medicine (Fellow #020563)
- Adult Multidisciplinary Critical Care Knowledge Assessment Program (MCCKAP) Member
 - Member: FCCS (2011 to Present)
- Society of Laparoendoscopic Surgeons (Member)
- Surgical Society of the New York Medical College (Member)
- Tarrant County Medical Society (#4391) (Board Member)
- Texas Medical Association (1118607)

Texas Medical Board, Expert Panel (Member 2011)

MEMBERSHIPS/AFFILIATIONS (Past)

- American Association for the Advancement of Science (Member #046870439)
- American Diabetes Association (Member #34788)
- American Institute for Ultrasound in Medicine (Member #78508)
- American Society for Parenteral and Enteral Nutrition (Member #2192272)
- American Society of General Surgeons (Member)
- McLennan County Medical Society
- Disaster Committee (2006-2007)
- Microcirculatory Society (Member)
- Regency Hospital of Fort Worth (Member 2012, resigned 2015)
- Society of Critical Care Medicine (Fellow #020563)
 - Adult Multidisciplinary Critical Care Knowledge Assessment Program (MCCKAP) Member
 - Pediatric Fundamentals of Critical Care Support (FCCS) Member:, (2009-2012)
 - Member: MCCKAP, Chair (2013-2014)
 - Vice Chair (2012-2013)
 - Member: Electronic Communications Committee (Disbanded 9/2002)
 - Member: Undergraduate Medical Education Committee (2002-2/2004)
 - Member: Multiprofessional Critical Care Exam Committee (2006-2008)
 - Member Advocacy Committee (2008-2011)
 - Member: ABIM Board Review Committee (2009-2013)
 - Member: Fundamental Critical Care Support Committee (2003-2/2012
 - Member: MCCKAP, Past Chair (2014-2015)
- Southeast Surgical Congress (Fellow #15963)
- Tarrant County Medical Society Board Member 2011 to present
- Texas Society of Critical Care Medicine, Board of Directors, Chair of Research Committee, 2011 to 2015

PUBLIC SERVICE ACTIVITIES (Present)

- Emergency Physicians Advisory Board EPAB (2007-Present)
- North Central Texas Trauma Regional Advisory Committee (2007 to Present)
 - Performance Improvement Committee
 - JPS Health Network Representative
 - Physician Advisory Group
 - Board of Directors, Chair 2011 2015
- Area Metropolitan Ambulance Authority Secretary (2010-September 30, 2019)
- · Fort Worth Academy Board (2010-2014)
- TCU DNP Committee Member
 - Texas Christian University Doctor of Nursing Practice Community Advisory Council (2009-Present)
- TETAF Board (2016) Vice Chair

PUBLIC SERVICE ACTIVITIES (Past)

- Texas TQIP Medical Trust (February 2016)
- Temple Activities
- Waco Founders Lions Club
- Board of Directors (2004-2007)

- · Texas Organ Sharing Alliance
 - Member Advisory Council (2005-2007)
- Heart of Texas Regional Advisory Council

Chairman (2004-2007)

Physician Advisory Committee (Chairman 2004-2007)

Executive Committee (2003-2007)

- MCMERF Board Member (2006-2007)
- Gujrati Samaj Good Samaritan Program, Pennsylvania
- Kiwanis Club, New York
- Indo-American Cultural Association of Westchester
- Ardsley Secor Volunteer Ambulance Corps

Emergency Medical Technician:

New York: #64493

Massachusetts: #806665

RESEARCH (Present)

Principal Investigator

 Amiodarone (PM101), Lidocaine or Neither for Out of Hospital Cardiac Arrest Due to Ventricular Fibrillation or Tachycardia (ALPS: Amiodarone, Lidocaine or Placebo Study) (September 2012 to 2015)

Principal Investigator

 Comparison of Selected Outcomes for JPS Traumatic Brain Injury Patients with Intracranial Hemorrhage (Equal to or less than 1 cm) Managed by JPS Trauma Surgeon or Neurosurgeon. (2010 to 2015)

Principal Investigator

 A Cross-Sectional Study Identifying Complications and Consequences of Upper Extremity Deep Vein Thrombosis (UE-DVT) in Trauma Patients at JPS (2010 to 2015)

Principal Investigator

- Resuscitation Outcomes Consortium Epidemiological Registry, EPISTRY (2009 to present) Principal Investigator
- Prospective Observational Prehospital and Hospital Registry for Trauma (PROPHET) (2009 to 2016)

Principal Investigator

 Modeling a Data Derived Algorithm Congruent with the Time-Sensitive Removal of Temporary Inferior Vena Cava Filters. (2010 to present)

Principal Investigator

 Assessing the Rates of Over Triage and Under Triage of Patients with a Trauma Activation Arriving at JPS. (2010 to present)

Principal-Investigator

 Colon Injury in Damage Control Surgery: Is it safe to a Delayed Anastomosis? (July 2014 to 2016)

Principal Investigator

Prehospital Tranexamic Acid Use for Traumatic Brain Injury (August 2014 to present)

Principal Investigator

 Field Trial of Hypotensive Resuscitation Versus Standard Resuscitation in Patients with Hemorrhagic Shock after Trauma – Completed 2015

Principal Investigator

 North Texas Traumatic Brain Injury Model System: Clinical Data with Demographic Information of Patients with Traumatic Brain Injury

Principal Investigator

 The Angel Catheter Clinical Trial: Prevention of Pumlonary Embolism in High Risk Subjects – Completed 2016

Co-Investigator

Prehospital Air Medical Plasma (PAMPer): Phase III Multicenter, Prospective Randomized
 Open Label Intervention Trial (June 2015 to present)

Co-Investigator

Improving Trauma Outcomes using the National Trauma Data Bank National Sample Program (January 2015 to present)

Co-Investigator

Improving Trauma Outcomes at JPS (January 2015 to present)

Co-Investigator

Validation of Text SBIRT Survey (April 2014 to 2016)

Co-Investigator

 Survival Rates and Resource Usage of Patients Receiving Pre-Hospital Cardiopulmonary Resuscitation (CPR) as a result of Blunt Force Trauma or Penetrating Trauma Who had No Vital Signs Upon Arrival at a Level One Trauma Center. (2010 to present)

Co-Investigator

Distracted Driver Program at a Level One Trauma Center (2010 to 2015)

Co-Investigator

Reported K-2 or Spice Use Case Study with a Trauma Activation (2010 to present)

Co-Investigator

 Routine HIV Screening of Trauma Victims in the Emergency Department: Is it warranted? (2009 to 2010)

Co-Investigator

Resuscitation Outcomes Consortium-HS-TBI-Hypotn, (2007 to present)

RESEARCH (Past)

Co-Investigator

Chiron-Severe Sepsis

Co-Investigator

Ortho-Biotech-Critical Care Anemia Study

Co-Investigator

Wyatt-Ayerst Zosyn Continuous IV Study

COMMITTEES (Present)

John Peter Smith Hospital (August 2007 to Present)

- Medical Executive Committee (2007 to present)
- Performance Improvement Patient Safety (2007 to present)
- Emergency Management Preparedness/Disaster Committee (2007 to present)
- Information Technology Committee (2008 to 2009-disbanded)
- Faculty Representative Review Panel Transitional Residency (2008 to present)
- Ethics Committee (2008 to present)
- OR Operations (2007 to Present)
- Critical Care Committee (2009 to Present)
- Emergency Management (2007 to Present)
- Scope of Services Committee (2009–2015, Disbanded)
- Bylaws Committee 2016
- Technology Committee 2016
- CME Committee 2016

COMMITTEES (Past)

- Office of Research and Scholarly Activity Committee (2008 to 2009)
- Hillcrest Baptist Medical Center (January 2004 to 2007)
 - Ethics Committee
 - Trauma Multi-Disciplinary Quality Improvement Committee (Chairman)
 - Trauma Protocol Committee
 - Medical Staff Quality Improvement Committee (Chairman)
 - End of life Task Force (2005 to 2007)
 - Medical Executive Committee (2004 to 2007)
 - Critical Care Committee (2005 to 2007)
 - Pharmacy and Therapeutics Committee (2006 to 2007)
 - Hillcrest Physician Services Board (2003 to 2007)
 - Operational Excellence Steering Committee (2006 to 2007)

Morristown Memorial Hospital: (July 2000 to 2003)

- Trauma QI Committee
- Infection Control Committee
- Trauma Committee
- ICU Committee
- Surgical Advisory Committee
- Chairman Search Committee
- Patient Safety Committee

University of Pennsylvania Hospital: (July 1997 to June 2000)

Trauma QI Committee

Children's Hospital of Philadelphia: (July 1997 to June 1999)

Trauma Committee

Westchester County Medical Center: (July 1996 to June 1997)

Information Systems Committee

PUBLICATIONS IN REFERRED JOURNALS

- 1. EFFECT OF RECOMBINANT INTERFERON-GAMMA ON HYDROGEN PEROXIDE-RELEASING CAPACITY OF MONOCYTE-DERIVED MACROPHAGES FROM PATIENTS WITH LEPROMATOUS LEPROSY. Nathan, C.F., Kaplan, G., **Gandhi, R.R.**, Horwitz, M.A., Levis, W.R., Cohn, Z.A.. J. Immunol. 137(3):983-7, 1986.
- 2. <u>MYCOBACTERIUM LEPRAE</u> ANTIGEN-INDUCED SUPPRESSION OF T-CELL PROLIFERATION <u>IN VITRO</u>. Kaplan, G., **Gandhi, R.R.**, Weinstein, D.E., Levis, W.R., Patarroyo, M.E., Brennan, P.J., Cohn, Z.A.. J.Immunol. 138(9):3028-3034, 1987.
- 3. MYCOBACTERIUM LEPRAE ANTIGEN-INDUCED SUPPRESSION OF T CELL PROLIFERATION IN VITRO. Journal of Immunology, 1987. *G Kaplan, RR Gandhi, DE Weinstein, WR Levis.*
- 4. SYNERGISTIC EFFECTS OF HEAT AND MUTAGENS ON THE TK-6 CELL LINE. **Gandhi, R.R.** and Thilly, W.G.(In Revision for Mutagenesis).
- 5. INFLUENCE OF SALINE INFUSIONS ON TRANSVASCULAR PROTEIN TRANSPORT. **Gandhi, R.R.** and Bell, D.R. Am.J.Physiol.262 (Feb, 2P+2):H443-H450, 1992.
- 6. IMPORTANCE OF CHARGE ON TRANSVASCULAR ALBUMIN TRANSPORT IN SKIN AND SKELETAL MUSCLE. **Gandhi, R.R.** and Bell, D.R. Am. J. Physiol.262(April, P+4 P+2):H999-H1008, 1992.
- IMPORTANCE OF CHARGE ON TRANSVASCULAR ALBUMIN TRANSPORT IN SKIN AND SKELETAL MUSCLE. Am J Physiol, 1992. RR Gandhi, DR Bell.
- 8. INFLUENCE OF SALINE INFUSIONS ON TRANSVASCULAR PROTEIN TRANSPORT. Am J Physiol, 1992. *RR Gandhi*, *DR Bell*.
- VIDEO-ASSISTED THORACOSCOPIC SURGERY IN THE MANAGEMENT OF PEDIATRIC EMPYEMA. Gandhi, R.R. and Stringel, G. J. Soc.Lap.Surg. 1:3:251, 1997.
- 10. LAPAROSCOPY IN PEDIATRIC ABDOMINAL TRAUMA. **Gandhi, R.R.** and Stringel, G. J. Soc.Lap.Surg. 1(4):349-51, Oct-Dec,1997.
- 11. VIDEO-ASSISTED THORACOSCOPIC SURGERY IN THE MANAGEMENT OF PEDIATRIC EMPYEMA. JSLS, 1997. *RR. Gandhi*, *G Stringel*.
- 12. LAPAROSCOPY IN PEDIATRIC ABDOMINAL TRAUMA. JSLS, 1997. RR Gandhi, G Stringel.
- 13. IDENTIFYING THE UNSALVAGEABLE PEDIATRIC TRAUMA PATIENT ON ARRIVAL: A PRELIMINARY GUIDE. Journal of Trauma-Injury Infection & Critical Care. 45(6):1116, December

- 1998. **Gandhi, Rajesh R. MD, PhD**; Hamme, Elizabeth; Schwab, C. William MD; Stafford, Perry W. MD.
- 14. PEDIATRIC SPLENIC INJURY: WHEN CAN THEY PLAY? **Gandhi, R.R.**, Keller, M.S., Stafford, P.W., Schwab, C.W. J.Ped.Surg.34:1:55-59, 1999.
- 15. A PATHWAY FOR PEDIATRIC LIVER INJURIES. Critical Care Medicine 27(7), January 1999; **Gandhi, R.R.,** Kamerling, S., Stafford, P.W., (In Revision).
- 16. DOG BITE INJURIES IN CHILDREN. **Gandhi, R.R.,** Liebman, M., Stafford, P.W., The American Surgeon. 65:9:863-4, 1999.
- 17. KIDS DO THE CRAZIEST THINGS. **Gandhi, R.R.**, Traumalink, 4:1, 7, 1999.
- 18. PEDIATRIC SPLENIC INJURY: PATHWAY TO PLAY? Journal of Pediatric Surgery, 1999. *RR Gandhi*, *MS Keller*, *CW Schwab*, *PW Stafford*. J.Ped.Surg.34:1:55-59, 1999
- 19. DOG BITE INJURIES IN CHILDREN: A PRELIMINARY SURVEY. American Surgeon, 1999. RR Gandhi, MA Liebman, BL Stafford, PW Stafford.
- 20. ASSESSING THE NEED FOR REINTUBATION: A PROSPECTIVE EVALUATION OF UNPLANNED ENDOTRACHEAL EXTUBATION. Razek, T, Gracias, V, Sullivan, D, Braxton, C, **Gandhi, R**, etal:J Trauma 48:3:466-469 2000.
- 21. PRACTICE MANAGEMENT GUIDELINES FOR TRAUMA PATIENTS: WHERE'S THE EVIDENCE? J Trauma, February 2000, Hospital of the University of PA. *JT Matcynski, WS Hoff, PM Reilly, VH Gracias, RR Gandhi*.
- 22. DEFINING THE LEARNING CURVE FOR FOCUSED ABDOMINAL SONOGRAM FOR TRAUMA (FAST) EXAMINATION: IMPLICATIONS FOR CREDENTIALING. Gracias, VH, Frankel HL, Gupta, R, Malcynski, J, **Gandhi, R**., etal: American Surgeon, 67 (4):364-8, Apr. 2001.
- 23. ABDOMINAL COMPARTMENT SYNDROME IN THE PEDIATRIC BLUNT TRAUMA PATIENT TREATED WITH PARACENTESIS: REPORT OF TWO CASES. Journal of Trauma-Injury Infection & Critical Care. 53(2):380-382, August 2002. Sharpe, Richard P. MD; Pryor, John P. MD; Gandhi, Rajesh R. MD, PhD; Stafford, Perry W. MD, FACS; Nance, Michael L. MD, FACS.
- 24. WHAT IS TAUGHT, WHAT IS TESTED: FINDINGS AND COMPETENCY-BASED RECOMMENDATIONS OF THE UNDERGRADUATE MEDICAL EDUCATION COMMITTEE OF THE SOCIETY OF CRITICAL CARE MEDICINE. Frankel, Heidi L. MD, FACS, FCCM; Rogers, Paul L. MD, FCCM; Gandhi, Rajesh R. MD, PhD; Freid, Eugene B. MD, FCCM; Kirton, Orlando C. MD, FCCM; Murray, Michael J. MD, PhD, FCCM Critical Care Medicine. 32(9):1949-1956, September 2004.
- 25. WHY NOT IMPLEMENT THE FUNDAMENTAL CRITICAL CARE SUPPORT (FCCS) COURSE? Critical Care Medicine. 33(6):1465-1466, June 2005. Frankel, Heidi L. MD, FCCM; Rogers, Paul L. MD, FCCM; Gandhi, Rajesh R. MD, PhD; Freid, Eugene MD, FCCM; Kirton, Orlando C. MD, FCCM; Murray, Michael J. MD, PhD, FCCM.
- 26. IMPACT OF A SEDATION PROTOCOL ON TRAUMA PATIENT'S CRITICAL CARE LENGTH OF STAY. Chest, 2005. *Diane K. Schuetze, PharmD, Rajesh R. Gandhi, MD.*

- 27. CLINICAL PRACTICE GUIDELINES FOR SUPPORT OF THE FAMILY IN THE PATIENT-CENTERED INTENSIVE CARE UNIT: AMERICAN COLLEGE OF CRITICAL CARE MEDICINE TASK FORCE 2004-2005. Davidson, JE, Powers, K, et al. Critical Care Medicine, 2007, Vol. 35, No. 2.
- 28. USE OF TRANSCRANIAL DOPPLER IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY Article in Critical Care 14 (Suppl 1) February 2010, Impact factor:4.48, DOI: 10.1186/cc8524 Source: PubMed Central; *R Gandhi*
- 29. TRAUMATIC INTERNAL CAROTID ARTERY INJURY TREATED WITH OVERLAPPING BARE METAL STENTS UNDER INTRAVASCULAR ULTRASOUND GUIDANCE, Dr. Victoria Stager, MD; *Rajesh Gandhi, MD*; David Stroman, MD; Carlos Timaran, MD; Harshal Broker, MD, Journal of Vascular Surgery February 2011, Vol. 53, No. 2.
- 30. COMPARISON OF SELECTED OUTCOMES FOR TRAUMATIC BRAIN INJURY WITH INTRACRANIAL HEMORRHAGE RESULTING FROM FALLS; Tiffany Littleton, Terry Rives, *Rajesh Gandhi, MD*. The Journal of Head Trauma Rehabilitation, Sept-Oct 2011, Vol 26. Number 5, pg. 423-424.
- 31. CAN TRAUMA SURGEONS MANAGE MILD TRAUMATIC BRAIN INJURIES?; Tiffany Overton, Shahid Shafi, George Cravens, *Rajesh Gandhi, MD.* American Journal of Surgery, Vol 208, Issue 5 (806-810) November 2014
- 32. LOCAL ACCESS TO CARE PROGRAMS INCREASE TRAUMA PATIENT FOLLOW-UP COMPLIANCE; Tiffany Overton, Shahid Shafi, *Rajesh Gandhi, MD.* American Journal of Surgery, Volume 208, Issue 3,(476-479) September 2014.
- 33. UTILIZATION OF PASTORAL CARE SERVICES FOR SCREENING, BRIEF INTERVENTION, AND REFERRAL TO TREATMENT PROGRAMS AT AN URBAN, LEVEL I TRAUMA CENTER. Tiffany Overton, Gary Williams, Shahid Shafi, *Rajesh Gandhi, MD.* Journal of Emergency Nursing, March 2014.
- 34. DISTRACTED DRIVING: PREVALENCE, PROBLEMS, AND PREVENTION. Tiffany Overton, Terry Rives, Carrie Hecht, Shahid Shafi, *Rajesh Gandhi, MD.* International Journal of Injury Control and Safety Promotion, February 2014.
- 35. OPTIMAL TIMING OF FEMUR FRACTURE STABILIZATION IN POLYTRAUMA PATIENTS: A PRACTICE MANAGEMENT GUIDELINE FROM THE EASTERN ASSOCIATION Rajesh R Gandhi, MD, PhD, Tiffany Overton, MA, MPH, Elliott R Haut, PhD, Brandyn Lau, MPH, Heather A Vallier, MD The Journal of Trauma and Acute Care Surgery, July 2014
- 36. THE HISPANIC PARADOX: DOES IT EXIST IN THE INJURED? Tiffany L Overton, J Laureano Phillips, Billy J Moore, Mackenzie B Campbell-Furtick, Rajesh R Gandhi, MD, Shahid Shafi July 2015, American Journal of Surgery
- 37. Post-trauma mortality increase at age 60: a cutoff for defining elderly? Mackenzie Campbell-Furtick, Billy J Moore, Tiffany L Overton, Laureano Phillips, K Simon, TM Duane, Rajesh Gandhi, American Journal of Surgery, December 2015 Epub PMID 27038794, February 2016
- 38. HELMET USE TRENDS AMONG PEDIATRIC TRAUMA: AN ANALYSIS OF THE NATIONAL TRAUMA DATA BANK Journal: International Journal of Injury Control and Safety Promotion,

September 2016, Mackenzie Campbell-Furtick, J Laureano Phillips, MS, MPH; Tiffany L Overton, MA, MPH; Rajesh R Gandhi, MD, PhD; Therese M Duane, MD; Shahid Shafi, MD, MPH, Kaley Simon

- 39. Trends In helmet use by motorcycle riders in decades following the repeal of mandatory helmet laws International Journal of Injury Control and Safety Promotion, Published online 08 Sep 2016 Tiffany Overton, Mackenzie Campbell-Furtick, Kaley Simon, Therese Duane, Rajesh Gandhi, Shahid Shafi
- 40. Can Firefighters be taught Ultrasound? Journal of Trauma 2016, Gandhi R, etal
- 41. Colon Injury in Damage Control Surgery: Is it safe to a delayed anastomosis? Journal of Trauma 2016, L Tatebe, et al
- 42. "Trends in helmet use by motorcycle riders in the decades following the repeal of mandatory helmet laws"- Rajesh Gandhi Taylor & Francis Online; http://www.tanfgonline.com/doi/full/1001080/17457300.2016.122903
- 43. Can Firefighters be Taught Ultrasound? Gandhi, R, etal, submitted Journal of Trauma 2016
- 44. Traumatic Colon Injury in Damage Control Laparotomy A multicenter trial: Is it safe to do a delayed anastomosis? Tatebe, L, Jennings, Andrew; Tatebe, Ken; et al, Journal of Trauma and Acute Care Surgery, December 23, 2016

CHAPTERS & CONTRIBUTIONS

SCIENTIFIC FOUNDATION OF TRAUMA Haf and Dudley Section II: The Heart Heinmann Medical Books, Oxford Goldfarb, R.D., Flor, J. and **Gandhi, R.R.**1996

CRITICAL CARE PEARLS OF WISDOM Boston Medical Publishing **Gandhi, R.R.** 1998

PULMONARY PEARLS OF WISDOM Boston Medical Publishing **Gandhi, R.R.** 1998

INTERNAL MEDICINE PEARLS OF WISDOM Boston Medical Publishing **Gandhi, R.R.** 1998

INTERNAL MEDICINE MEDICAL STUDENT PEARLS OF WISDOM Boston Medical Publishing **Gandhi, R.R.** 1998

GENERAL SURGERY PEARLS OF WISDOM Boston Medical Publishing Gandhi, R.R. 1998 GENERAL SURGERY MEDICAL STUDENT PEARLS OF WISDOM Boston Medical Publishing Gandhi, R.R. 1998

ULTRASOUND FOR THE SURGEON
Use in the Operating Room-Laparoscopic Applications **Gandhi, R.R.** Landes Bioscience, TX pp128-132, (2005).

ABSTRACTS

- 1. **Gandhi, R.R.**, Wallace, J.R., Bell, D.R. Tissue Clearance of Native and Charge Modified Albumin in Rabbit Skin and Skeletal Muscle. FASEB J., 2(6):A1866, 1988.
- 2. **Gandhi, R.R.**, Bell, D.R. Tissue Clearance of Native and Charge Modified Albumin with Increased Venous Pressure in Rabbit Skin. FASEB J. 3(4):A1386, 1989.
- 3. **Gandhi, R.R.**, Bell, D.R. Tissue Clearance of Native and Charge Modified Albumin with Saline Loading in Rabbit Skin. FASEB J. 4(3):A591, 1990.
- 4. **Gandhi, R.R.**, Bell, D.R. Role of Charge in Transvascular Albumin Transport in Rabbit Skin and Skeletal Muscle. Aspen M.D.-Ph.D. Conference Book, 7/91.
- 5. **Gandhi, R.R.**, Bell, D.R. Transvascular Protein Transport During Saline Infusion in Anesthetized Rabbits. Proceedings: Fifth World Congress for Microcirculation 8/91.
- 6. Savino, J., Cerabona, T.P., Artuso, D., Policastro, A., **Gandhi, R.**, LaPunzina, C.S., Management of the Septic Abdomen via an Open Abdomen Technique. Scientific Exhibit. Oct. 1995.
- 7. Feldman, M.G., **Gandhi, R.R.**, Part Two: Mortality Rates Following Laparoscopic Cholecystectomy. Endo Expo, 4:138, 1995.
- 8. **Gandhi, R.**, Stringel, G., Management of Empyema in Children. Endo Expo, 5, 1996.
- 9. Stringel, G., **Gandhi, R.R.**, Diagnosis and Repair of Jejunal Perforation by Laparoscopy in a Child. Endo Expo 5, 1996.
- 10. **Gandhi, R.R.**, Kamerling, S., Stafford, P.W.: A Pathway for Pediatric Liver Injuries. Crit Care Med. 27:1Suppl:A179, 1999.
- 11. **Gandhi, R.R.**, Liebman, M.A., Stafford, P.W.: Dog Bite Injuries in Children. SESC 67th Annual Scientific Meeting Program, 71:1999
- 12. **Gandhi, R.R.**, Kamerling, S.,Carroll, E.A., and Stafford, P.W.:Pediatric Traumatic Hepatic Injury: When Can They Leave? (Accepted Fifth International Conference on Pediatric Trauma.2000)
- 13. **Gandhi, R. R.**, Vanore, M., Schwab, C.W., and Stafford, P.W.:Abdominal Compartment Syndrome Decompression in a Pediatric Trauma Patient. (Accepted Fifth International Conference on Pediatric Trauma.2000)
- 14. Gandhi, R.R., Gestring, M., and Stafford, P.W.: Ultrasound for Pediatric Blunt Abdominal

- Trauma: What's the Word? (Accepted Fifth International Conference on Pediatric Trauma.2000)
- 15. Tsai, F., Pawar, J, Feury, K.J., Valenziano, C, **Gandhi, R.** Should Snow Boarding be Banned? SESC, Program 90, 2002
- 16. by <u>Diane K. Schuetze</u>, <u>Rajesh R. Gandhi</u>, David Brickey, **Impact of a sedation protocol on trauma patient's critical care length of stay. <u>CHEST</u>, <u>Oct</u>, <u>2005</u>**
- 17. T. Rives, C. Hecht, A. Wallace, **R. Gandhi**, Emergency Preparedness Model for a Level-One Trauma Center. *Prehosp Disaster Med* 2011;26 (Suppl. 1):s50-51 doi:10.1017/S1049023X11001622
- 18. T. Rives, C. Hecht, A. Wallace, **R. Gandhi**, Developing and Implementing an Emergency Preparedness and Trauma Research Program in a New Level One Trauma Center. *Prehosp Disaster Med* 2011;26 (Suppl. 1):s171 doi:10.1017/S1049023X11005279
- 20. Littleton, T. J., Rives, T. E., & **Gandhi, R**. Comparison of Selected Outcomes for JPS Traumatic Brain Injury Resulting from Fall Patients with Intracranial Hemorrhage (≤ 1 centimeter) Managed by JPS Trauma Surgeon or Neurosurgeon. Poster presented at North American Brain Injury Society's 9th Annual Conference on Brain Injury, New Orleans, LA. September 2011
- 19. Littleton, T. J., Rives, T. E., Cravens, G., & **Gandhi, R.** Can Trauma Surgeons Manage Small Intracranial Hemorrhage? Poster presented at the 25th Annual Scientific Assembly of the Eastern Association for the Surgery of Trauma (EAST), Orlando, FL. January, 2012
- 20. Campbell-Furtick M, Moore B, Overton T, Phillips JL, Simon K, **Gandhi R**, Duane TM, Shafi S "Defining the "Elderly" in Trauma" A data driven definition to Journal of the American College of Surgeons
- 21. Tessier J, Moore B, Putty B, **Gandhi R**, Duane TM "Prophylactic Gentamicin is Not Associated with Acute Kidney Injury in Patients with Open Fracture" (SUR-2015-086) to Surgical Infections
- 22. Phillips JL, Moore B, Overton T, Campbell-Furtick M, Simon K, **Gandhi R**, Duane TM, Shafi S "The Epidemiology of Injury, Morbidity, and Mortality in the Hispanic Population Using the National Trauma Data Bank, 2003 to 2010" to American Journal of Public Health
- 23. Phillips JL, Overton T, Campbell-Furtick M, Nolen H, **Gandhi R**, Duane TM, Shafi S "Helmet Use Trends Among Pediatric Trauma: An Analysis of the National Trauma Date Bank" Submitted to Journal of the American College of Surgeons 2014-2015
- 24. Mackenzie Campbell-Furtick, Billy J Moore, Tiffany L Overton, Laureano Phillips, K Simon, TM Duane, Rajesh Gandhi, Post-trauma mortality increase at age 60: a cutoff for defining elderly? American Journal of Surgery, December 2015 Epub PMID 27038794, February 2016
- 25. Gandhi, Rajesh et al, Developing a Rural Trauma Outreach Program: Benefits and Obstacles Encountered, abstract submitted to ACS TQIP July 2016

26. Mark, Joshua, Gandhi, Rajesh, Price, Elizabeth, Phillips, Jessica, Collyer, Michael, Duane, Therese – Radiographic assessment of gound-level falls in elderly patients: Is the PAN-SCAN overdoing it? Journal of the American College of Surgeons 223(4):S155, October 2016

PRESENTATIONS

MICROCIRCULATORY SOCIETY

- Tissue Clearance of Native and Charge Modified Albumin in Rabbit Skin and Skeletal Muscle. Las Vegas, NV [04/29/88 to 05/01/88]
- Tissue Clearance of Native and Charge Modified Albumin with Increased Venous Pressure in Rabbit Skin. New Orleans, LA [03/17/89 to 03/19/89]
- Tissue Clearance of Native and Charge Modified Albumin with Saline Loading in Rabbit Skin. Washington, DC [03/30/90 to 04/01/90]
- Transvascular Protein Transport During Saline Infusion in Anesthetized Rabbits. Louisville, KY [08/31/91 to 09/05/91]

ASPEN M.D./Ph.D CONFERENCE

Role of Charge in Transvascular Albumin Transport in Rabbit Skin and Skeletal Muscle.
 Aspen, CO [07/19/91 to 07/22/91]

AMERICAN COLLEGE OF SURGEONS

• Management of the Septic Abdomen via an Open Abdomen Technique. New Orleans, LA [10/22/95 to 10/27/95]

SOCIETY OF LAPAROENDOSCOPIC SURGEONS

- Mortality Rates Following Laparoscopic Cholecystectomy. Orlando, FL [12/06/95 to 12/09/95]
- Management of Empyema in Children Diagnosis and Repair of Jejunal Perforation by Laparoscopy in a Child. Orlando, FL [12/4/96 to 12/07/96]

AMERICAN COLLEGE OF SURGEONS, PENNSYLVANIA COMMITTEE ON TRAUMA

- Management of Splenic Injury in the Pediatric Population. Harrisburg, PA [11/13/97 to 11/14/97]
- Dogbite Injuries in Children. Harrisburg, PA [11/04/98 to11/05/98]

AMERICAN PEDIATRIC SURGICAL ASSOCIATION

The Injured Spleen: When Can They Play? Hilton Head, SC [05/10/98-05/13/98]

EASTERN ASSOCIATION FOR THE SURGERY OF TRAUMA

Identifying the Unsalvageable Pediatric Trauma Patient on Arrival: A Preliminary Guide. Orlando, FL [01/13/99-01/17/99]

SOCIETY OF CRITICAL CARE MEDICINE

A Pathway for Pediatric Liver Injuries. San Francisco, CA [01/22/99-01/27/99]

SOUTHEAST SURGICAL CONGRESS

- Dog Bite Injuries in Children. Tampa, FL [02/13/99-02/17/99]
- Should Snow Boarding be Banned? Nashville, TN [02/01/02-02/05/02]

INTERNATIONAL CONFERENCE ON PEDIATRIC TRAUMA

- Ultrasound for Pediatric Blunt Abdominal Trauma: What's the Word? Vail, CO [06/17/00-06/20/00]
- Abdominal Compartment Syndrome Decompression in a Pediatric Trauma Patient, Vail, CO [06/17/00-06/20/00]
- Pediatric Traumatic Hepatic Injury: When Can They Leave? Vail, CO [06/17/00-06/20/00]
- 17th World Congress on Disaster and Emergency Medicine "Emergency Preparedness Model for a Level One Trauma Center" Beijing, China.;", [May 31 - June 3, 2011]

NORTH CENTRAL TEXAS TRAUMA REGIONAL ADVISORY COUNCIL

 Community Integrated Mobile Health Symposium – Improving Patient Outcomes and Reducing Costs, Moderator for Symposium, Grand Prairie, TX [April 24, 2015]

ASSET COURSE INSTRUCTOR

- April 15, 2016, UNTHSC, Fort Worth, Texas
- April 22, 2016, United Regional, Wichita Falls, Texas

CHEST RADIOGRAPH INTERPRETATION for LIFEGIFT GROUP – JPS Health Network, Skills Lab, OPC Building, Fort Worth, Texas, April 18, 2017

INVITED LECTURES

NEW YORK STATE SOCIETY OF RESPIRATORY THERAPIST

Use of the Swan-Ganz Catheter. West Point, NY [11/15/96]

UNIVERSITY OF PENNSYLVANIA DEPARTMENT OF EMERGENCY MEDICINE

Pediatric Abdominal Trauma. Philadelphia, PA [03/24/98]

THE CHILDREN'S HOSPITAL OF PHILADELPHIA, TRAUMA PROGRAM "TRAUMA TAILS"

- Pediatric Cervical Spine Injuries. Philadelphia, PA [05/7/98]
- Pediatric Abdominal Trauma: Trouble in the Belly. Philadelphia, PA [10/22/98]

CHESTNUT HILL HOSPITAL, DEPARTMENT OF SURGERY

- Pediatric Cervical Spine Injuries. Chestnut Hill, PA [06/02/98]
- Pediatric Abdominal Trauma. Chestnut Hill, PA [11/03/98]

THE CHILDREN'S HOSPITAL OF PHILADELPHIA, TRAUMA PROGRAM

Pediatric Trauma Resuscitation. Philadelphia, PA [07/16/98]

- Pediatric Burn Injury. Philadelphia, PA [02/18/99]
- · Pediatric Pelvic Trauma. Philadelphia, PA [03/18/99]

Pediatric Burn Injury. Philadelphia, PA [03/16/99]

BRANDYWINE HOSPITAL

- Pediatric DOA: When Do You Call it Quits? Coatesville, PA [01/21/99]
- Pediatric Dog Bites. Coatesville, PA [09/08/99]
- Pediatric Traumatic Brain Injury. Coatesville, PA [01/27/00]

HACKENSACK UNIVERSITY MEDICAL CENTER

Pediatric Burn Resuscitation. Teaneck, NJ [04/13/99]

MCP HAHNEMANN SCHOOL OF MEDICINE

• The 10 Commandments of Pediatric Trauma Resuscitation, Philadelphia, PA [12/11/99]

MORRISTOWN MEMORIAL HOSPITAL

- Management of Pediatric Traumatic Brain and Cervical Spine Injury, Department of Surgery Grand Rounds, Morristown, NJ [01/19/00]
 - Management of Burn Injury. Department of Surgery Grand Rounds, Morristown, NJ [10/06/00]
 - Current Concepts in Critical Care Medicine. Department of Surgery Grand Rounds, Morristown, NJ [02/21/01]
 - Leapfrogging Patient Safety into the 21st Century. Department of Surgery Grand Rounds, Morristown, NJ [03/27/02]
 - Antibiotic Resistance in the Surgical Setting. Department of Surgery Grand Rounds, Morristown, NJ [09/18/02]
 - Abdominal Compartment Syndrome. Critical Care Update and Fair, Morristown, NJ [05/07/01]
 - Management of Pediatric Trauma. Trauma Nurse Course, Morristown, NJ [10/09/00, 10/19/00, 11/17/00, 04/17/01, 11/16/01]
 - Orthopedic Trauma for the Community Orthopedic Surgeon.
 - Surgical Critical Care & Trauma and Department of Orthopedics, .Morristown, NJ [03/13/01]
 - Pediatric Trauma. Morristown, NJ [05/20/02]
 - Pediatric Trauma Resuscitation. Trauma Day Conference, Morristown, NJ [07/01/00, 07/07/01]

Pediatric Trauma. Emergency Department Teaching Day. Morristown, NJ, [08/21/02]

SAINT MARY'S HOSPITAL, Langhorne, PA

Pediatric Traumatic Brain Injury: Head Bonks and What to Do. [05/17/00]

AMERICAN COLLEGE OF SURGEONS

Defining Pediatric DOA. Chicago, IL [10/24/00]

NEW JERSEY STATE ASSOCIATION OF PARAMEDICS

 Hypertonic Saline in Initial Resuscitation. Robert Wood Johnson Medical Center, New Brunswick, NJ [11/07/00]

SOCIETY OF SURGEONS OF NEW JERSEY

Leap-frogging Patient Safety into the Twenty-first Century [11/14/01]

SOCIETY OF CRITICAL CARE MEDICINE NEW JERSEY CHAPTER

Abdominal Compartment Syndrome: Myth or Reality? [10/04/02]

CHILDREN'S HOSPITAL AT WESTCHESTER MEDICAL CENTER

The Unsalvageable Pediatric Trauma Victim on Arrival: The Role of the Adult Trauma Surgeon in Pediatric Trauma Care [11/01/02]

SCOTT AND WHITE TRAUMA SYMPOSIUM, Temple, TX

- DVT and the Use of Prophylactic Vena Cava Filters [04/29/05]
- Kinematics of Trauma [01/18/2007]

TEXAS EMERGENCY MEDICINE CONFERENCE, San Antonio, TX

The 10 Commandments of Pediatric Trauma Resuscitation

HILLCREST HEALTH SYSTEM: RESPIRATORY CARE SEMINAR, Waco, TX

High Frequency Oscillatory Ventilators [06/17/05]

HILLCREST HEALTH SYSTEM: TRAUMA SYMPOSIUM, Waco, TX

True Orthopedic Emergencies [05/10/06]

CENTRAL TEXAS DIETICIAN ASSOCIATION, Waco, TX

Bariatric Surgery Primer for Dieticians [02/23/06]

NATIONAL ASSOCIATION FOR FEMALE EXECUTIVES, Waco, TX

"The Golden Hour" [02/15/07]

NCTTRAC TRAUMAfest Conference 2008, Dallas, TX

"Traumatic Brain Injury" [04/26/08]

JPS Health Network Research Roundtable, Fort Worth, TX

"Critical Assessment of the Literature, Research Projects, and Grants", [06/13/08]

JPS Trauma Talk, Fort Worth, TX:

"High Frequency Oscillatory Ventilation in Trauma Patients", [10/20/08]

CareFlite: Fort Worth, TX

"Traumatic Brain Injury", [09/15/08]

John Peter Smith Hospital - Emergency Medicine Grand Rounds

"The Kinematics of Trauma", [04/29/09]

CareFlite:Emergency Care Update

"The Kinematics of Trauma", [06/22/09]

JPS Health Network Research Roundtable, Fort Worth, TX

"Critical Assessment of the Literature, Research Projects, and Grants", [09/18/09]

JPS Trauma Talk, Fort Worth, TX

• "The 10 Commandments of Pediatric Trauma Resuscitation", [10/20/09]

Texas Health Resources - Harris Methodist Hospital Fort Worth, Fort Worth, TX

12th Annual Trauma Conference - Geriatric Trauma Care: Pitfalls, Practices, and Improvements – "Elderly Trauma: Stats, Facts and Other", [03/19/10]

JPS Trauma Talk, Fort Worth, TX

"Traumatic Brain Injury (TBI)", [05/18/10]

CareFlite: Arlington, TX

"Kinematics of Trauma", [06/07/10]

Kinematics of Trauma [06/24/10]

Tarrant County ENA Emergency Care Lecture Series, Fort Worth, TX

Texas Health Resources - Harris Methodist Hospital Fort Worth, Fort Worth, TX

Tarrant County - American Association of Neuroscience Nurses (TC-AANN)

"Management of Traumatic Brain Injury" [07/08/10]

John Peter Smith Hospital - Department of Emergency Management Grand Rounds:

"Traumatic Brain Injury (TBI)", [11/10/10]

JPS Trauma Talk, Fort Worth, TX

"Traumatic Brain Injury (TBI)", [11/16/10]

CareFlite: Arlington, TX;

"Kinematics: The Physics of Trauma" [05/13 &14/11]

17th World Congress on Disaster and Emergency Medicine, Beijing, China

• "Developing and Implementing an Emergency Preparedness and Trauma Research Program in a New Level One Trauma Center", [May 31 - June 3, 2011]

WESTERN TRAUMA ASSOCIATION - 41st ANNUAL MEETING

"Distracted Driver Program at a Level One Trauma Center, Big Sky Resort, Montana

[March 3, 2011]

Emergency Medicine Grand Rounds: Fort Worth, TX

"Management of Traumatic Brain Injury", [10/12/11]

Apollo Hospital in Ahmedabad, India

"Traumatic Brain Injury (TBI)", [01/03/12]

Sheth Vadilal Sarabhai Municipal General Hospital in Ahmedabad, India

Kinematics of Trauma, [01/04/12]

CareFlite: Emergency Care Update:

"The Kinematics of Trauma", [05/22/12]

Annual CareFlite Emergency Care Update Conference

Kinematics of Trauma - Arlington Convention Center, Arlington, Texas, May 21, 2013

Annual CareFlite Emergency Care Update Conference

Trauma Resuscitation - Arlington Convention Center, Arlington, Texas, May 21, 2013

Annual Hobert Trauma Symposium

Kinematics of Trauma – Methodist Hospital, Dallas, TX, November 6, 2013

2014 CareFlite Emergency Care Update Conference, Arlington, Texas May 19-20, 2014

Kinematics of Trauma

Trauma Resuscitation / TBI – Traumatic Brain Injury

John Peter Smith Hospital - Emergency Medicine Grand Rounds, August 9, 2012

Abdominal and Thoracic Trauma

Texas Podiatric Medical Assn 2014 Southwest Foot & Ankle Conference, October 10-12, 2014

Evaluation and Stabilization of the Polytrauma Patient

Maximizing Outcomes in the Polytrauma Patient

STRAC 2015 Regional Emergency Healthcare Systems Conference – STRAC Education Committee

Geriatric Trauma: Is It Really Trauma? -, Alamodome, San Antonio, TX, May 4, 2015

2015 CAREFLITE Emergency Care Update, Arlington, TX Convention Center, May 18, 2015

What's new in Trauma Resuscitation

What's new in TBI

ED Integration Conference, Grapevine Convention Center, November 4, 2015

Geriatric Trauma

2015 TQIP Annual Scientific Meeting and Training

Chest Trauma and VAP, Nashville, TN, November 15-17, 2015

EAST 29th Annual Scientific Assembly

Venous Thromboembolism Prophylaxis in Traumatic Brain Injury, San Antonio, TX,
 January 12-16, 2016

B Con Course [Bleeding Control] – Train the Trainer – Lead Instructor

Austin, Texas, February 10, 2016

Society of Critical Care Medicine – Critical Care Congress

 Invited Research Snapshot Theater Moderator for Research Snapshot Presentation: Surgery/Trauma/Burns 6, Poster Session – February 22
 Invited Research Moderator for Snapshot Presentations: Case Reports 2, Poster Session, February 22, Orange County Convention Center, Orlando, FL, February 20-24, 2016

2016 STRAC [Southwest Texas Regional Advisory Council] Regional Healthcare Conference

- April 28, 2016, San Antonio, Texas

VISITING PROFESORSHIP

ST. LUKES HOSPITAL

Pediatric Burn Trauma. Bethlehem, PA [05/31/01]

YALE UNIVERSITY HOSPITAL

Can Adult Trauma Patients Take care of Pediatric Trauma Patients?
 New Haven, CT [03/11-03/12/02]

MEDIA APPEARANCES

WMTR RADIO

"Your New Jersey Connection". Pediatric Trauma [10/13/00]

KWTX Hillcrest Healthcast

15+ appearances on specific Trauma, Critical Care and General Surgery Topics Started 10/31/03 to 03/01/07.

Ask the Expert

04/16/09, CBS 11 News at the 4PM and 5PM hours.

DATELINE

August 2005

Ask the Expert: John Peter Smith and Channel 11

04/16/09: Trauma

WFAA GOOD MORNING TEXAS

LIVE 3-D Program "Don't Drive Distracted" - JPS Trauma Services [06/14/10]

WFAA ABC NEWS, Channel 8, Fort Worth, Texas

- Shattered Dreams Fossil Ridge High School, Keller, Texas, March 1, 2017
- Aired 6pm March 1, 2017
- + http://www.wfaa.com/mb/news/shattered-dreams-simulation-for-high-school-students/417103210
- YouTube, Fossil Ridge HS shattered dreams 2017

KTVT TV, Channel 11, Fort Worth, Texas

- Up-Close Look At Real Life In JPS Trauma Unit filmed January 11, 2017
- Aired March 1, 2017, 6pm
- http://cbsloc.al/2mvVahN

MEDIA

TETAF Media Training – Austin, TX – November 13, 2014

Eric B. Gonzales, Ph.D. Curriculum Vitae

Address:

Center for Neuroscience Discovery UNT Health Science Center 3500 Camp Bowie Blvd. Fort Worth, TX 76107

Phone: 817-269-5789

E-mail: eric.b.gonzales@unthsc.edu

APPOINTMENTS

07/2016-present Assistant Professor

Department of Medical Education Texas College of Osteopathic Medicine

University of North Texas Health Science Center at Fort Worth

09/2015-present Assistant Professor

Center for Neuroscience Discovery

University of North Texas Health Science Center at Fort Worth

09/2009-08/2015 **Assistant Professor**

Department of Pharmacology & Neuroscience

University of North Texas Health Science Center at Fort Worth

03/2007-08/2009 Postdoctoral Fellow

Vollum Institute

Oregon Health and Science University

Title: Structure Determination of Ion Channels Using Protein

Crystallography

Principal Investigator, Eric Gouaux, Ph.D.

10/2005-02/2007 Postdoctoral Fellow

Vollum Institute

Oregon Health and Science University

Title: Elucidation of Acid Sensing Ion Channel Gating
Kinetics Using Rapid Solution Exchange and Patch Clamp-

Electrophysiology

Principal Investigator, Edwin W. McCleskey, Ph.D.

2004 Grass Fellow

Marine Biological Laboratory

Woods Hole, MA

EDUCATION

2005 Ph.D., Biomedical Sciences

University of North Texas Health Science Center Concentration: Pharmacology & Neuroscience

Title: The 6' and 7' Residue of the Second Transmembrane Domain of Cys-Loop Ion Channels Influence Gating and

Picrotoxin Sensitivity

Advisor: Glenn H. Dillon, Ph.D.

1

2000 B.Sc. Biochemistry

University of Texas at Austin

TEACHING EXPERIENCE Lectures or courses

University of North Texas Health Science Center Texas College of Osteopathic Medicine

2013-present Nervous System 1/MEDE 7812, Texas College of Osteopathic Medicine

Autonomic Nervous System

2013-present Nervous System 1/MEDE 7812, Texas College of Osteopathic Medicine

Electrical Properties of Neurons and Synaptic Transmission

University of North Texas Health Science Center Graduate School of Biomedical Sciences

2016-present Scientific Communications BMSC 5310 Graduate School of Biomedical

Sciences
Social Media

2012-present Neuropharmacology/PHRM 5470

Lectures on GABA/glycine:Neurotransmitter and Receptor

2011-present Functional Neuroscience/PHRM 6400

Lectures on Postsynaptic Potentials and synaptic integration and

Complex information processing in complex dendrites

2011-present Functional Neuroscience/PHRM 6400

Lecture on GABA/glycine:Neurotransmitter and Receptor

2011-present Receptors and Drug Action/PHRM 6480

Lecture on Ligand-gated Ion Channels

University of North Texas Health Science Center, Fort Worth

2010-present Integrated Biomedical Science 4:Pharmacology/BMSC6304

Lecture on Voltage-Gated Ion Channels

2010-present Integrated Biomedical Science 4:Pharmacology/BMSC6304

Lecture on Ligand-Gated Ion Channels

2010 Integrative Biomedical Science 3:Physiology/5304

Lecture on Generation and Conduction of Action Potentials

Marine Biological Laboratory

2006 Neurobiology, Marine Biological Laboratory, Woods Hole, MA

Teaching Assistant

Electrophysiology section on the dissociated cell patch-clamp station

ACHIEVEMENTS AND HONORS

2016 Outstanding Advisor, University of North Texas Health Science Center

2014 Golden Apple Award for Teaching, University of North Texas Health Science Center

- **Graduate Student Association**
- 2012 Summer Leadership Institute, Society for the Advancement of Chicanos and Native Americans in Science
- 2006 Outstanding Graduate, Graduate School of Biomedical Sciences, University of North Texas Health Science Center
- 2005 Edward E. Elko Award for Distinguished Service, Graduate Student Association, University of North Texas Health Science Center
- 2005 Harbans Lal Award for Outstanding Graduate Student, Dept. of Pharmacology and Neuroscience, University of North Texas Health Sci. Center
- 2005 First Place Poster Presentation, Neurobiology of Aging Trainee Symposium, University of North Texas Health Science Center
- 2005 First Place Poster Presentation, Research Appreciation Day, University of North Texas Health Science Center
- 2004 Grass Fellow, Grass Foundation, Marine Biological Laboratory, Woods Hole, MA
- 2004 Second Place, Poster Presentation, Neurobiology of Aging Trainee Symposium, University of North Texas Health Science Center
- 2004 First Place Oral Presentation, Research Appreciation Day, University of North Texas Health Science Center
- 2003 Second Place Poster Presentation, Research Appreciation Day, University of North Texas Health Science Center
- 2003 Defense with Distinction, Grant Writing Qualifying Exam, University of North Texas Health Sci. Center
- 2002 Second Place Poster Presentation, Preventable Brain Aging Symposium, University of North Texas Health Science Center

PUBLICATIONS

McBroom MM and **Gonzales EB** (2017) Psalmotoxin (PcTx1) blocks acid-sensing ion channel 1a (ASIC1a) in animal models: implications for neurological and autoimmune disease therapy. *EC Pharmacology and Toxicology*. April; 3(4): 90-92.

Agharkar AS and **Gonzales EB** (2017) 4-Chlorophenylguanidine is an ASIC3 agonist and positive allosteric modulator, *Journal of Pharmacological Sciences*. March; 133 (3): 184-186. PMID: 28259560.

Gonzales EB and Sumien N (2017) Acidity and acid-sensing ion channels in the normal and Alzheimer's brain. *Journal of Alzheimer's Disease*. (Epub ahead of print). PMID: 28211811.

Snell HD and **Gonzales EB** (2016) 5-(N, N-Hexamethylene) amiloride is a GABA-A p1 positive allosteric modulator. *Channels*. Nov; 10(6): 498-506. PMID: 27367557.

Snell HD and **Gonzales EB** (2015) Amiloride and GMQ allosteric modulation of the GABA-A r1 receptor: influences of the intersubunit site. *J Pharmacol Exp Ther.* June; 353(3): 551-559. PMID: 25829529

Smith RN, Agharkar AS and **Gonzales EB** (2014). A review of creatine supplementation in agerelated diseases: more than a supplement for athletes [v1; ref status: awaiting peer review, http://f1000r.es/4ak] *F1000Research* 2014, **3**:222 (doi: 10.12688/f1000research.5218.1)

Agharkar A, Rzadkowolski J, McBroom M, **Gonzales EB**. (2014) Detergent screening of the human voltage-gated proton channel using fluorescence-detection size-exclusion chromatography. *Protein Science*: a publication of the Protein Society. 2014 May 23. PMID: 24863684

Smith RN, **Gonzales EB** (2014) Protons and Psalmotoxin-1 reveal nonproton ligand stimulatory sites in chicken acid-sensing ion channel: Implication for simultaneous modulation in ASICs. *Channels (Austin, Tex.).* 2014 January 01; 8(1): 49-61. PMID: 24262969

Gonzales EB, Kawate T and Gouaux E (2009) Pore architecture and ion sites of acid sensing ion channels and P2X receptors. *Nature* 460:599-604. PMID: 19641589

Gonzales EB, Bell-Horner CL, Dibas MI, Huang RQ and Dillon GH (2008) Stoichiometric analysis of the TM2 6' phenylalanine mutation on desensitization in $\alpha1\beta2$ and $\alpha1\beta2\gamma2$ GABAA receptors. *Neuroscience Letters* 431:184-189. PMID: 18162311

Jasti J, Furokawa H, **Gonzales EB** and Gouaux E (2007) Structure of acid-sensing ion channel 1 at 1.9 angstrom resolution and low pH. *Nature* 449:316-323. PMID: 17882215

Huang RQ, **Gonzales EB** and Dillon GH (2006) GABAA Receptors: Structure, Function, and Modulation, in *Biological and Biophysical Aspects of Ligand-Gated Ion Channel Receptor Superfamilies* (Arias HR, ed), pp. 171-198. Kerala, India. Research Signpost.

Das P, Bell-Horner CL, Huang RQ, Raut A, **Gonzales EB**, Chen ZL, Covey DF, and Dillon GH (2004) Inhibition of type A GABA Receptors by L-Type Calcium Channel Blockers. *Neuroscience* 124: 195–206. PMID: 14960351

Gonzales EB, Bell-Horner CL, de la Cruz MAM, Ferrendelli JA, Covey DF and Dillon GH (2004) Enantioselectivity of α -benzyl- α -methyl- γ -butyrolactone-mediated modulation of anticonvulsant activity and GABAA receptor function. *JPET* 309(2): 677-683. PMID: 14742738

Dibas MI, **Gonzales EB**, Das P, Bell-Horner CL and Dillon GH (2002) Identification of a Novel Residue within the Second Transmembrane Domain That Confers Use-Facilitated Block by Picrotoxin in Glycine α 1 Receptors. *J. Biol. Chem.* 277(11): 9112-9117. PMID: 11744711

FUNDING

Pending Research Support

NIH/NEI Submitted 02/2016

"Novel drug-like ASIC antagonist lead compounds for diabetic retinopathy" Role: Co-PI

Completed Research Support

IAADR Pilot Grant (No cost extension through 12/31/2015) 10/01/13 to 09/30/15 "Structure determination of a muscarinic acetylcholine receptor" Role: PI

American Heart Association (No cost extension through 12/31/2014) 01/01/12 to 12/31/14 Beginning Grant-In-Aid

"Structure determination of peripheral acid sensing ion channels" Role: PI

Welch Foundation BK-1736

06/01/10 to 05/31/13

"Structure Determination of a Chloride Ion Channel to Atomic Resolution" Role: PI

University of N. Texas HSC Junior Faculty Seed Grant

07/01/11 to 06/30/12

"Structure determination of a male contraceptive target"

Role: PI

UNTHSC Intramural Seed Grant

01/15/10 to 01/14/11

"Design and screening of chimeric acid sensing ion channels for x-ray crystallography" Role: PI

American Heart Association, Pacific Mountain Affiliate

09POST2260447 Gonzales (PI)

07/01/09 to 08/14/09

Postdoctoral Fellowship

Structure of the antagonist-bound complex of acid-sensing ion channels

Resigned early to take faculty position

Role: PI

NIH/NIGMS

1F32GM083615-01 Gonzales (PI)

02/05/08 to 02/04/09

Ruth R. Kirstein National Research Service Award

Structure determination of acid-sensing ion channels

The goal of this study was to determine the structure of a functional acid-sensing ion channel.

Role: PI

MENTORING

Major professor for the following graduate students

Ph.D. Students

Rachel N. Smith (Dissertation: Psalmotoxin-1 and nonproton ligand interactions with acid-sensing ion channels, completed Ph.D. April 2015) **Currently:** Clinical Education Liaison, Bristol-Myers-Squibb

Heather D. Snell (Dissertation: Characterization of Guanidine compound interaction with the GABA-A p1 receptor, completed Ph.D. October 2015) Currently: Postdoctoral Researcher at Albert Einstein College of Medicine

Amruta S. Agharkar (Dissertation: Dietary supplements and acid-sensing ion channels, completed Ph.D. October 2015)

Currently: Product Development Scientist II, Nostrum Laboratories

M.S. Students

Rachel N. Smith (Thesis: Ionotropic purinoceptors and acid-sensing ion channels in epithelial cancers, completed 2011)

Research Awards received by mentored students:

Rachel N. Smith

- Defense with Distinction, Dissertation, 2015, UNT Health Science Center
- Neurobiology of Aging Training Grant Recipient, 2013-2015, NIA: 2T32AG020494-11A1
- Honorable Mention for Excellent Scientific Poster, 2014, INS Neuroscience Symposium, University of Texas at Austin
- Sigma Xi Associate Member, 2014
- Defense with Distinction, Grant Writing Qualifying Exam, 2013, UNT Health Science Center
- Dallas Women's Club Scholarship

Heather D. Snell

- Minority Opportunities in Research and Education (MORE) fellowship, 2010-2012
- Institute for Aging and Alzheimer's Disease Research (IAADR) Associate Fellowship, 2011-2012
- Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Travel Scholarship Award to National Conference, Fall 2011
- Summer Program in Neuroscience, Ethics, & Survival (SPINES) Fellow at the Marine Biology Laboratory (MBL) in Woods Hole Massachusetts, Summer 2012
- Post Course Research Fellow at Marine Biological Laboratory (MBL) in Woods Hole Massachusetts, Summer 2012
- Online Coursera course: Drugs and the Brain (taught by Henry Lester), 2012-2013
- UNTHSC Graduate Student Association Scholarship, 2013-2014
- Student Leadership Professional Development Fund (SL/PDF) Travel Award, Spring 2014
- Institute of Aging and Alzheimer's Disease Research (IAADR) Associate Fellowship, 2013-2014
- FASEB MARC Program Poster/Oral Presentation Travel Award-Experimental Biology National Conference, Spring 2014
- Neurobiology of Aging Training Grant Fellowship, 2014-2015
- UNTHSC Moorman Family Scholarship, 2014-2015
- Neuroscience Scholar Program Associate Fellow (Society for Neuroscience), 2014-2015
- Society for the Advancement of Chicanos and Native American in Science (SACNAS) Travel Scholarship Award to National Conference, Fall 2014
- Student Leadership Professional Development Fund (SL/PDF) Travel Award, Fall 2014
- UNTHSC Student Bridge Grant, Spring 2015
- Neurobiology Course scholarship at Marine Biological Laboratory (MBL) in Woods Hole Massachusetts, Summer 2015

Amruta S. Agharkar

- Sigma Xi Associate Member (2015)
- Doctoral Student Bridge Funding Grant, UNTHSC
- SACNAS National Conference Travel Award (2014), Los Angeles, California
- SACNAS National Conference Travel Award (2013), San Antonio, Texas
- SACNAS National Conference Travel Award (2011), San Jose, California

Summer Student Mentoring

2014	Eric Witherspoon, SMART Program, Morehouse College
2013	Wen Mai Wong, SMART Program, Saint Mary's University
2012	Ryan Hobbs, McNair Scholar, Morehouse College
2011	Jose Ontiveros, McNair Scholar, Texas Wesleyan University
2010	Rodney O. Ballard, McNair Scholar, University of Arkansas Pine Bluff

THESIS COMMITTEE MEMBER

2010-2015 Brandon Coder, Ph.D., Molecular Biology and Immunology, University of North Texas Health Science Center (University Member)

2014-2015	Hayde Izurieta-Munoz, MS, Biotechnology, University of North Texas Health Science Center
2011-2015	Robbyn Kindle, MS, Pharmacology & Neuroscience, University of North Texas Health Science Center
2011-2015	Marjana Sarker, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center
2011-2015	Shreyas Bhave, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center
2011-2015	Winfred Stacey, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center
2010-2014	Maninder Malik, PhD., Pharmacology & Neuroscience, University of North Texas Health Science Center
2010-2014	Victor Taylor, Ph.D., Graduate School of Biomedical Sciences, University of North Texas Health Science Center (University Member)
2010-2014	Kiran Chaudhari, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center
2010-2014	Jacques Nguyen, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center
2012-2013	Cheryl Hinze, MS, Molecular Biology & Immunology, University of North Texas Health Science Center
2010-2012	Yogesh Mishra, Ph.D., Graduates School of Biomedical Sciences, University of North Texas Health Science Center
2010-2011	Manoj Kumar, Ph.D., Pharmacology & Neuroscience, University of North Texas Health Science Center

UNIVERSITY COMMITTEES

2016-present	Member, UNTHSC Core Facility Working Group
2015-present	Member-at-Large, UNTHSC GSBS Graduate Council
2014-present	UNTHSC Institutional Biosafety Committee
2014-present	Texas College of Osteopathic Medicine Medical Admissions Committee
2012-present	Member, Department of Pharmacology & Neuroscience Faculty Search
	Committee, University of North Texas Health Science Center
2012-2013	GSBS Representative, Scholarship Committee, University of North Texas
	Health Science Center
2010-2011	Member, Department of Pharmacology & Neuroscience Faculty Search
	Committee, University of North Texas Health Science Center
2010-2011	Departmental Representative, University of North Texas Health Science
	Center Faculty Senate
2010	Member, University of North Texas Health Science Center Search
	Committee for Associate Dean of the Graduate School of Biomedical
	Sciences

OUTREACH

2014	International Newcomer Academy Career Day, Fort Worth, TX
2013	Kirkpatrick Middle School Career Day, Fort Worth, TX
2013	Worth Heights Elementary School Career Day, Fort Worth, TX
2012	North Side High School Career Day, Fort Worth, TX
2010-present	All Saints Catholic Church Middle School Science Fair
2010	5 th Annual Texas Conference on Health Disparities Poster Judge

SERVICE

2016-present	University of North Texas Health Science Center for Neuroscience Discovery
	Oral Qualifying Exam Committee
2013-present	University of North Texas Health Science Center Society for the Advancement of
	Chicanos and Native Americans in Science (SACNAS) Student Chapter Advisor
2010-2015	University of North Texas Health Science Center Department of Pharmacology &
	Neuroscience Oral Qualifying Exam Committee
2010-2013	University of North Texas Health Science Center Graduate Student Association
	Faculty Advisor

PEER REVIEW

Alcoholism: Clinical and Experimental Research Amino Acids International Journal of Molecular Sciences Molecular Pain PLOSOne Physiology & Behavior Nutritional Neuroscience

Editorial Board

Matters

GRANT REVIEW

American Heart Association, Innovative Research Grant, Vascular Regulation and Diseases 1 American Heart Association, Basic Cell Protein & Crystallography 4 Study Section Alzheimer's Association

INVITED SEMINARS

INVITED SEN	MNANG
2016	Department of Biology, Chemistry, and Environmental Science, Northern New Mexico College
2012	Department of Cell Physiology & Molecular Biophysics Texas Tech University Health Sciences Center
2012	Role Model Seminar, Office of Outreach, UNT Health Science Center
2010	Department of Physiology and Biophysics, Virginia Commonwealth University
2010	Department of Chemistry and Biochemistry, University of Arizona
2008	Gordon Research Conference: <i>Ion Channels 2008, Tilton, NH</i> "Structure and Mechanism of Acid Sensing Ion Channels", Gordon Research Conference: <i>Ion Channels 2008</i> .

RESEARCH ABSTRACTS

Snell HD and **Gonzales EB** (2014) Novel GABAA-ρ1 interactions with acid sensing ion channel ligands. *Experimental Biology*. 2014 San Diego, California.

Agharkar A and **Gonzales EB** (2014) Dietary supplements influence activity of acid-sensing ion channels. *Experimental Biology*, San Diego, California.

Agharkar A and **Gonzales EB** (2013) Detergent stability screening of voltage-gated proton channel. *SACNAS National Conference*. Henry B. Gonzalez Convention Center, San Antonio, Texas.

Snell HD and **Gonzales EB** (2013) Crystallization of a homomeric GABAA receptor. *Society for Neuroscience*. San Diego, CA; Society for Neuroscience, 2013.

Agharkar A and **Gonzales EB** (2013) Precrystallization and functional analysis of human voltage-gated proton channel. *Research Appreciation Day*. University of North Texas Health Science Center, Fort Worth, Texas.

Snell HD and **Gonzales EB** (2012) Pre Crystallization Screening of a GABAA-p receptor. 2012 Marine Biology Summer Program in Neuroscience and Survival Symposium. 2012 SPINES Symposium. Woods Hole, Mass.

Agharkar A and **Gonzales EB** (2012) Precrystallization screening of FMRF-amide gated sodium channel in *Helix Aspersa*. *Research Appreciation Day*. University of North Texas Health Science Center, Fort Worth, Texas.

Johnson RN and **Gonzales EB** (2011) Comparing male and female derived epithelial cancers' dependence on P2X receptors. Sixth Annual Texas Conference on Health Disparities.

Snell H and **Gonzales EB** (2011) Pre-crystallization Screening of a γ-Aminobutyric Acid A Receptor. *UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER Health Science Center Research Appreciation Day.*

Agharkar A and **Gonzales EB** (2011) Pre-crystallization Screening of Muscarinic Acetylcholine Receptors. *UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER Health Science Center Research Appreciation Day.*

Gonzales EB, Johnson RN, Bilal K, and Pearce V (2011) Deregulated Progenitors Express Altered Acid Sensing Ion Channels. *Experimental Biology Meeting*.

Note: Selected for special poster session sponsored by ASIP Breast Cancer Scientific Interest Group.

Pearce VP, Cunningham RL, Singh M and **Gonzales EB** (2010) Identification of acid sensing ion channels in a dopaminergic cell line. *Society for Neuroscience*. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2010. Online.

Gonzales EB, Bell-Horner CL, Nguyen Q and Dillon GH (2005) Analysis of the involvement of TM2 1' to 8' residues in modulating convulsant-mediated inhibition in homomeric α 1 glycine receptors: differential effects for picrotoxin versus pentylenetetrazole. *Society for Neuroscience*. Program No. 724.6.

Gonzales EB and Dillon GH (2004) The Second Transmembrane Domain 7' Position Influences Channel Kinetics in the Glycine α1 Receptor. *Biological Bulletin* 207: 156.

Gonzales EB and Dillon GH (2004) Analysis of the TM2 7' position in homomeric glycine α 1 receptor gating. *Society for Neuroscience*. Program No. 161.15.

Gonzales EB, Das P, and Dillon GH (2004) The 7' Residue in the Second Transmembrane Domain of Ligand-Gated Ion Channels Influences Receptor Gating Kinetics. *Biophysical Society Meeting* Poster 1509.

Gonzales EB and Dillon GH (2003) Alteration of Desensitization Kinetics by Mutations at the TM2 6' Position in the β 2 subunit of α 1 β 2 GABA-A Receptors. *Society for Neuroscience*. Abst. **29**:20, 50.2.

Gonzales EB and Dillon GH (2003) A Threonine to Leucine Mutation Within the Glycine Alpha 1 TM2 Domain Increases the Activation Time of the Receptor. *SACNAS National Conference Abstract.* p133:80

Gonzales EB, Bell-Horner CL and Dillon GH (2003) Analysis of Stoichiometric Effects of the TM2 6' Phenylalanine Mutation on Channel Kinetics and Picrotoxin Resistance of the GABAA Receptor. *Biophysical Society Meeting* Abst. L62.

Gonzales EB, Bell-Horner CL, and Dillon GH (2002) Stoichiometric Effects of the TM2 6' Phenylalanine Mutation on Picrotoxin Resistance and Desensitization of the GABA_A Receptor. *GABA_A Receptors in Cellular and Network Excitability Conference*. Orlando, Florida.

Gonzales EB, Bell-Horner CL, Arias HR, Blanton M and Dillon GH (2001) Characterization of the Interaction of Amo-, Amyl-, and Isobarbital with the $\alpha1\beta2\gamma2$ GABA-A Receptor. *Society for Neuroscience*. Abst. **27**:252, 491.13.

Gonzales EB, Bell-Horner C, Covey D and Dillon GH (2000) Effect of a Novel Butyrolactone, α-Methyl-α-Benzyl-γ-Butyrolactone, on Rat α 1β2γ2 GABA-A receptors. *McNair Research Conference* Abstract p12.

AFFILIATIONS

American Heart Association Biophysical Society Society for Neuroscience Society for the Advancement of Chicanos and Native Americans in Science Sigma Xi

References

External references

James W. Simpkins, Ph.D.
Professor, Director of the Center for Basic & Translational Stroke Research
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Gregory Dussor, Ph.D.
Associate Professor, School of Behavioral and Brain Sciences University of Texas at Dallas
E-mail: gregory.dussor1@utdallas.edu

Edwin McCleskey, Ph.D. Senior Scientific Officer Howard Hughes Medical Institute E-mail: mccleskeye@hhmi.org

Eric Gouaux, Ph.D.
Senior Scientist, Vollum Institute
Investigator, Howard Hughes Medical Institute
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Ulises Ricoy, Ph.D. Interim Dean of Arts and Sciences Northern New Mexico College E-mail: uricoy@nnmc.edu

Internal references

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Associate Dean and Professor
Pharmaceutical Sciences
UNT System College of Pharmacy
E-mail: tina.machu@unthsc.edu

Ren-qi Huang, Ph.D. Assistant Professor Center for Neuroscience Discovery Institute for Healthy Aging E-mail: ren-qi.huang@unthsc.edu

Glenn H. Dillon, Ph.D. Vice Provost, Institutes and Centers Professor, Center for Neuroscience Discovery Institute for Healthy Aging E-mail: glenn.dillon@unthsc.edu

Robert Luedtke, Ph.D.

Professor Center for Neuroscience Discovery Institute for Healthy Aging E-mail: robert.luedtke@unthsc.edu

Student references

Rachel N. Smith, M.S., Ph.D. Clinical Science Liaison, Immunoscience Bristol-Myers Squibb rachel.smith@bms.com

Heather D. Snell, Ph.D. Postdoctoral Researcher Albert Einstein College of Medicine heather.snell@einstein.yu.edu

Amruta S. Agharkar, Ph.D. Product Development Scientist II Nostrum Laboratories amrutaagharkar@gmail.com

Vitae

KEN C. HOPPER, M.D., M.B.A.

The Hopper Group, P.A. 1200 Summit Avenue, Suite 509 Fort Worth, Texas 76102 (817) 932-2542

EDUCATION AND CERTIFICATIONS

Master of Business Administration in a combined program from The University of Texas at Dallas and The University of Texas Southwestern Medical School, May 2009

Certified Professional in Healthcare Quality from National Association for Healthcare Quality, January 2001

Board Certified in General Psychiatry: American Board of Psychiatry and Neurology

Residency in Psychiatry: The University of Texas Southwestern Medical School, completed July, 1989

Doctor of Medicine: The University of Texas Medical Branch at Galveston, graduated May, 1985

Bachelor of Science, Premedical/Biology: Baylor University, graduated May, 1981, Summa Cum Laude

RESEARCH ACTIVITIES

October 2001 to October 2002 **Investigator:** Arlington, Texas

Multicenter, double-blind, randomized comparison of the efficacy

and safety of Quetiapine Fumarate (SEROQUELTM) and

Risperidone (RISPERDALTM) in the treatment of patients with

schizophrenia. Protocol 5077US/0043

December 2002 to December 2003 Investigator: Arlington, Texas

An International, Multicenter Large Simple Trial (LST) to Compare

The Cardiovascular Safety of Ziprasidone (GeodonTM) and

Olanzapine (ZyprexaTM) Protocol A1281062

February 2003 to June 2003 **Investigator:** Arlington, Texas

An 8-week, open label, uncontrolled trial using Escitalopram (LexaproTM) to treat depressed patients. Protocol SCT-MD-25

October 2003 to June 2004 Investigator: Arlington, Texas

An open-label study of tolerability, clinical response, and satisfaction in adult bipolar I subjects optimizing initiation of therapy using administration of dermatological precautions and

LAMICTAL[†] titration packs. Protocol SCA40917

November 2004 to 2006 **Investigator:** Arlington, TX

An International, Multicenter Large Simple Trial (LST) to Compare

The Cardiovascular Safety of Ziprasidone (GeodonTM) and

Olanzapine (ZyprexaTM) Protocol A1281062

January 2005 to 2006

Investigator (Phase II): Arlington, TX

Regimen of Eszopiclone Sleep Satisfaction Trial (RESST). To assess patient satisfaction with eszopiclone therapy for treatment of insomnia. Protocol 190-901

PROFESSIONAL EXPERIENCE

January 2017 to Present

National Medical Director for Medical/Behavioral Integrated Care in the Government Business Division of Anthem Corporation

- Collating and promoting national best practices across Anthem and in the marketplace on outcomes-producing total person health
- Leads and operates 7 national clinical operations using collaborative care (IMPACT). Promoting and studying new key drivers for recovery in select populations is key outcome
- Has developed and is promoting an alternative to case/care management that is more targeted, intense. 5 separate national state/markets are achieving significant ROI
- Leads design and expression of both insurance company internal models of integration as well as practice level models of integration.
- Assesses and tests the growing number of targeted tools for both patients and providers, including electronic and device-based tools

May 2012 to December 2016

Regional Vice President/Behavioral Medical Director in Government Business Division for Anthem Corporation:

- Interim leadership role evolved to full time leadership role in Spring 2014
- Leads both operations and the clinical team in improving the utilization of services, care management, cost savings, and other interventions for states west of Kansas. All behavioral staff report either through direct or other supervisory relationships through this position.
- Is national government business division physician leader for medical-behavioral integration efforts. Physical health medical directors and behavioral health medical directors and vice presidents participate in this national workgroup. The goal is to create outcomes-producing care without illogical barriers built up over many years of medical-behavioral separateness. Leads two national projects organizing high intensity integrated case management and practice transformative integration activities. Twelve sites across the US are involved.
- Participates in quality committees and key strategic venues promoting innovations in Medicaid sector business.

February 2002 to Present

Owner and Supervisor: The Hopper Group PA, Arlington, Texas

• Evaluates and treats patients in an advanced structured outpatient behavioral health clinic and in medical clinics (using telemedicine).

- Supervises Advance Practice Nurses in delivery of Psychiatric services.
- Uses holistic, programmatic approaches to outpatient treatment.
- Uses telemedicine and other innovations to bring care directly to established patients
- Delivers integrated behavioral health/psychiatric services via telemedicine to a large PCP group. Is architect in improving delivery models and recognition of undiscovered behavioral issues.

February 2016 to Present

Founding Member of the Medical Director's Council at The National Council on Behavioral Health: Works directly with Joe Parks, MD, and others who advance the alignment of resources and services in public mental health.

November 2011 to Present

American Psychiatric Association Workgroup Member on Medical/Behavioral Integration: Selected as one of a small group of nationally recognized psychiatric leaders to work on functional clinical and financial models for the integration of behavioral health into mainstream medical settings.

May 2013 to April 2015

Consultant for Cartesian Solutions: Cartesian Solutions approaches behavioral integration from a health complexity perspective. Those cases regardless of diagnosis that appear most in need of behavioral intervention are prioritized. This comprehensive approach can be combined with several well-known tactical approaches to behavioral intervention. Has worked with Dr. Kathol (owner/principal) since 2005 on various projects including Humana's integrated care management program design.

March 2011 to October 2014

Board Member of MCCI Healthcare Company, Texas Division: Selected to serve on the board of MCCI, a fully capitated, successful Florida clinical group that has expanded operations into San Antonio, Texas. Duties include oversight of provider activities, peer review functions, and consultation on medical/behavioral and behavior change initiatives.

July 2011 to April 2014

Advisory Board Member for Hewlitt Packard Medical Innovations: Plano, Texas

Advise and give input into medical management software and products developed to efficiently and cost-effectively facilitate both provider and insurance managers decision-making on medical necessity.

April 2000 to December 2010

Chief Medical Officer/Vice President of Clinical Innovation: LifeSynch, Inc. (A Humana subsidiary and formerly CORPHEALTH, Inc.) Fort Worth, Texas

• Led advanced health plan coordinated initiatives around behavior change models for chronic medical conditions and health status improvement.

- Led and was accountable for the clinical outcomes process for LifeSynch and Humana on integrated behavioral/medical projects.
- Supervised or leads primary care / mental health integration initiatives across Humana.
- Supervised two full time medical leaders and six contracted physicians who collaborate in expression of the medical/clinical vision and who perform utilization review and committee services.
- Supervised Case Management, Utilization Review, Risk Management and Quality Improvement initiatives.
- Applied Medical Necessity criteria for certification of care.
- Led initiatives regarding legislative and regulatory standards such as NCQA, URAC, and Texas Department of Insurance.
- Was the executive leader who supervised the formation of the three Pharmacy programs at LifeSynch.
- Guided the initiative that eventually led to a Humana change in policy allowing for proactive reach out to patients. This key policy allowed for development of Humana's integrated care management and LifeSynch's pharmacy programs.

January 2000 to October 2002

Medical Director: Millwood Hospital, Arlington, Texas Provided medical leadership and comprehensive medical management for all care venues of Millwood Hospital. Responsibilities include executive level representation on the Governing Board, Management, Clinical Programming, as well as regulatory compliance.

February 1996 to April 2000

Medical Director/Physician Reviewer: CORPHEALTH, Inc. Fort Worth, Texas: The duties of Medical Director were similar to Chief Medical Officer at CORPHEALTH with less emphasis on operational management and director-level decision making.

October 1995 to March 2003

President: ABS Healthcare Company, Inc., Fort Worth, Texas

- Preside over and one the founders of this not for profit Texas Corporation. Nearly one hundred providers participated in this entity.
- Directed Utilization Management, Business Development and Quality Improvement for contracts encompassing approximately 300,000 covered lives.

December 1995 to March 2000

President: ABS Management Company, Inc., Fort Worth, Texas

- Presided over the formation and coordination of management and support services for ABS Healthcare Company.
- Directed initiatives for creative linkages between payers, health care systems and ABS Healthcare Provider Organization.
- Forged partnership, and eventual merger with Psyquel, a Management Services Company specializing in Behavioral Health.

November 1995 to January 2000

Medical Director of Integrated Services: BHC Millwood

Hospital, Arlington, Texas

Charged with creating innovative care and linkages outside traditional inpatient care.

November 1996 to 2000

Chief of Staff: BHC Millwood Hospital, Arlington, Texas

- Elected annually to represent providers practicing at this facility
- Led the Medical Staff through surveys by Joint Commission and Texas Department of Health

August 1993 to October 1995

Medical Director: Charter Behavioral Systems of Fort Worth Fort Worth, Texas

- Guided the hospital's correction of thirteen Type I deficiencies cited prior to selection as Medical Director, correction occurred within a two month period.
- Developed and implemented a streamlined model regarding Medical Staff CQI monitoring and reporting.
- Pursued, developed and maintained managed care relationships.

May 1991 to August 1993

Medical Director: CPC Oak Bend Hospital, Fort Worth, Texas

- Pursued, developed, and maintained managed care and Employee Assistance Program relationships.
- Provided ongoing staff development.
- Guided and supervised the Medical Staff CQI process.
- Led successful efforts for Joint Commission accreditation.
- Developed positive relations with Texas Department of Health surveyors.

July 1989 to May 2000

Private Practice Psychiatry: Fort Worth, Texas Selected to clinical professorship at local medical school, TCOM.

ACADEMIC APPOINTMENTS

Associate Clinical Professor of Psychiatry, Texas College of Osteopathic Medicine, University of North Texas Health Science Center, Fort Worth, Texas 1989-1997

Adjunct Clinical Instructor, School of Nursing, The University of Texas at Arlington, Arlington, Texas 2003-2004

PROFESSIONAL ORGANIZATIONS

Tarrant County Medical Society

Texas Medical Association

American Medical Association

American Psychiatric Association

American Telemedicine Association

American Society of Clinical Psychopharmacology

HONORS AND DISTINCTIONS

2012, 2013, 2014, and 2016 "Top Doc's" Award Recipient for Tarrant County in Fort Worth Magazine. (Has been recipient in previous years.)

National Alliance on Mental Illness (NAMI) Leadership Alliance: Contribution to this grass roots organization led to recognition in November 2011

Presenter/panelist World Health Care Congress 2016: Integration of Medical and Behavioral Health

Presenter at 2016 TMA annual meeting on ACO development topic: "Behavior Driving Outcomes: What Can Be Done?"

Major presenter on behavioral integration into physical health settings at 2014 AHIP (America's Health Insurance Plans) conference

Beta Gamma Sigma International Business Honor Society 2010

Key speaker at international conference entitled "Mental Health Commissioning" in June 2008, London, UK. The management of health care with emphasis on outcomes was discussed for those in the government-sponsored environment.

Major presenter at The National Business Coalition on Health in 2007 The role of best pharmaceutical practices in the promotion of cost-effective care was discussed.

Participant in September 2007 at The Center for Health Transformation and Booz Allen Hamilton national conference entitled, "Alzheimer's Disease: A Megacommunity Approach to Prevention, Detection, and Treatment"

May 2005: Invited to be a panelist at the Consumer Directed Health Care Conference and The Health, Wellness, and Prevention Congress, Chicago

Awarded Certificate of Medical Management from The University of Texas at Dallas, Southwestern Medical School, December 2003

Exemplary Psychiatrist National Award 1997

Award nominated and voted by patients and their families through NAMI (National Alliance for the Mentally III)

Phi Beta Kappa 1981

Alpha Chi Honor Society

As a member, was awarded the Baylor Junior Class Scholarship for highest premedical academic performance

Alpha Epsilon Delta Premedical Society

Summa Cum Laude graduate of Baylor University 1981

Curriculum Vitae

Name: Evonne Kaplan-Liss, M.D., M.P.H.

Date & Place of Birth: September 21, 1966 – New York, N.Y.

Mailing Address: 5 Pioneer Court

Dix Hills, N.Y. 11746

 Home Telephone:
 631-421-9225

 Office Telephone:
 631-444-2288

 Cell Phone:
 631-807-8254

Higher Education

<u>From</u> 2010	<u>To</u> 2012	Degree & Date PDP Scholar	Institution & Location Professional Development Program Stony Brook Medicine Stony Brook, N.Y.	Field Professional Development
2003	2005	M.P.H.	Mailman School of Public Health Columbia University New York, N.Y.	Public Health
2003	2005	PGY IV & V Resident	Stony Brook Medicine Stony Brook, N.Y.	Preventive Medicine
1997	2000	PGY I-III Resident	North Shore University Hospital Manhasset, N.Y.	Pediatrics
1993	1997	M.D.	Mount Sinai School of Medicine New York, N.Y.	Medicine
1992	1993	Pre-Med	Hunter Linkage Program Hunter College New York, N.Y.	Pre-med
1984	1988	B.S.J.	Medill School of Journalism Northwestern University Evanston, Ill	Journalism
1980	1984	Regents Diploma	Bronx High School of Science Bronx, N.Y.	

Certification & Licensure

<u>Date</u>	Agency
1/1/08	American Board of Preventive Medicine Board Certification in General Preventive Medicine & Public Health Certificate No. 52487
12/17/07	American Board of Pediatrics Board Certification in Pediatrics Certificate No. 070233
6/15/98 to Present	University of the State of N.Y. Education Department Office of the Professions License No. 210637-1

Appointments

Dates From	<u>To</u>	<u>Title</u>	Status*	Institution & Location
1/13	Present	Clinical Associate Professor Program in Public Health Preventive Medicine	S	Stony Brook Medicine Stony Brook, N.Y.
1/12	Present	Associate Professor Journalism	S	School of Journalism Stony Brook University Stony Brook, N.Y.
1/12	1/14	Clinical Associate Professor Pediatrics	V	School of Medicine Stony Brook University Medical Center
6/11	7/14	Director, Advanced Graduate Certificate in Health Communications		
1/07	1/12	Research Assistant Professor Graduate Program in Public Health Preventive Medicine	S	Stony Brook, N.Y Stony Brook Medicine Stony Brook, N.Y.
7/09	1/12	Research Assistant Professor Pediatrics	V	School of Medicine Stony Brook University Medical Center Stony Brook, N.Y.
1/07	7/09	Research Assistant Professor Pediatrics	S	School of Medicine Stony Brook University Medical Center Stony Brook, N.Y.

Evonne Kaplan-Liss, M.D., M.P.H.

1/07	1/12	Assistant Professor Journalism	S	School of Journalism Stony Brook University Stony Brook, N.Y.
7/06	12/06	Instructor Preventive Medicine	V	School of Medicine Stony Brook University Medical Center Stony Brook, N.Y.
1/06	6/06	Instructor Preventive Medicine	S	Stony Brook Medicine Stony Brook, N.Y.
7/05	12/05	Instructor Preventive Medicine	V	Stony Brook Medicine Stony Brook, N.Y.
7/0	306/05	Resident Preventive Medicine	S	Stony Brook Medicine Stony Brook, N.Y.
7/00	6/03	Attending Physician	V	North Shore University Hospital Manhasset, N.Y.
7/97	6/00	Resident Pediatrics	S	North Shore University Hospital Manhasset, N.Y.

Professional Practice & Services

<u>Date</u>	<u>Activity</u>	Location	Institutional Affiliation
4/16-present	Director	Pediatric Environmental Center of Excellence at Stony Brook	Stony Brook Medicine
5/14-5/15	Director	Pediatric Environmental Center of Excellence at Stony Brook	Stony Brook Medicine
1/09- present	Medical Program Director	Alan Alda Center for Communicating Science	Stony Brook School of Journalism
1/09-present	Steering Committee member	Alan Alda Center for Communicating Science	Stony Brook School of Journalism
1/07-present	Attending Physician	Stony Brook, N.Y.	Stony Brook Medicine
3/7-6/10	Director	Pediatric Environmental Center of Excellence at Stony Brook	Stony Brook Medicine
10/05- present	Physician Reviewer	NYS	Empire State Medical, Scientific and Educational Foundation, Inc.
1/01-6/03	Pediatrician	Bethpage, N.Y. Page 3 of 20	Massapequa Family Care

7/00-12/00	Pediatrician	Bethpage, N.Y.	Glenn Ringel, M.D.
1991-1993	Segment Producer	New York, N.Y.	First Look/Television Program Enterprises
1990-1991	Associate Producer	New York, N.Y.	Instant Recall/King World Productions
1988-1990	Researcher	New York, N.Y.	Nightline/ABC News
1988	Reporter	Melbourne, Fla.	Florida Today/Gannett
1985	Intern	New York, N.Y.	NBC News

Professional and Scientific Societies

<u>Organization</u>	Dates of Initial Membership	Leadership Position (s) and Dates
American Association of Medical Colleges	2013	CFAS Advisory Task Force, junior faculty rep
American Medical Writers Association	2004	
American College of Preventive Medicine	2003	Adolescent Health Committee member
American Academy of Pediatrics	1997	Fellow, Committee on Environmental Health
American Medical Association	199	

Academic & Professional Honors

<u>Date</u>	<u>Honor</u>
2016	AAMC Innovations in Research Education Award; Effective Communication for
	Physician Scientists M. Seeliger, V. Lantz-Gefroh, E. Kaplan-Liss, E. Bass, M. Frohman
2015	Aspen Institute Scholar - AAMC/CFAS selected scholar to attend 2015 Aspen Ideas
	Spotlight Health in Aspen, Colo.
1996	Crohn's & Colitis Foundation of America, Women of Distinction Rising Star Award
1996	Evonne Kaplan-Liss Pediatric Research Award for IBD research – awarded to IBD
	researchers in my name in recognition of my contribution to the CCFA
1994	American Academy of Family Physicians Summer Fellowship Award

Sponsored Programs: Grants, Contracts

<u>From</u>	<u>To</u>	Project & Sponsor	Amount
4/16	Present	NYS Network of Pediatric Environmental Centers of Excellence NYS Environmental Protection Fund Contract Role: PI/Director - Communication hub for the network Director of one of 8 New York State Centers providing pediatric environmental health clinical, educational and research services to the community and medical professionals in Suffolk County.	\$350,000/yr.
4/14	3/15	NYS Network of Pediatric Environmental Centers of Excellence NYS Department of Health Contract Role: PI/Director Director of one of 8 New York State Centers providing pediatric environmental health clinical, educational and research services to the community and medical professionals in Suffolk County.	\$200,000
7/11	6/13	Communication Interprofessional Teamwork Initiative (CITI): New Health Professional Cultural Competency Interdisciplinary Curriculum Model Stony Brook Presidential Mini-Grant for Departmental Diversity Initiatives Establishment of Communicating Science elective for Stony Brook Medicine medical and nursing students. Role: PI	\$1,500
9/09	8/11	Psychogenic Illness in Response to Pandemic or Mass Biological Exposure: Development of Experimental Model NIH – National Library of Medicine – R21 PI: Joan Broderick PhD Role: Co-investigator Media expert on development and testing of media effects on psychogenic illness. Worked closely with PI on grant submission and study design. Independent development of databases, data entry and analysis of data. Resulted in two manuscript publications in peer reviewed journals.	\$275,000
3/07	6/10	NYS Network of Pediatric Environmental Centers of Excellence NYS Department of Health Contract Role: PI/Director Director of one of 8 NewYork State Centers providing pediatric environmental health clinical, educational and research services to the community and medical professionals in Suffolk County.	\$196,666

3/07	8/09	Psychogenic Illness in Response to Pandemic or Mass Biological Exposure: Development of Experimental Model Stony Brook University Medical Center Pandemic Influenza Seed funding - TRO PI: Joan Broderick PhD Role: Co-investigator Media expert on development and testing of media effects on psychogenic illness. Worked closely with PI on grant submission, study design, execution of pilot study and data	\$60,000
		submission, study design, execution of pilot study and data analysis.	

Courses Directed and Taught

Initial Date	<u>Institution</u>	<u>Title</u>	Enrollment
Fall 2014	Stony Brook Medicine	Communicating Science Curriculum – 10 hrs in SOM	160
Spring 2014	Stony Brook University	Human Development Freshman Seminar: Communicating Science	20
Spring 2014	Stony Brook University	Science & Society Freshman Seminar: Communicating Science	20
Fall & Spring 2012 – present	Stony Brook Medicine	Communicating Science Elective for nursing, dental and medical students	20
Spring 2012	Stony Brook Medicine Graduate Program in Public Health	HPH 519 Independent Study – Online Connecting with the Community	1
Spring 2012	Stony Brook Medicine Graduate Program in Public Health	HPH 519 Independent Study – Online Introduction to Health Communications	2
Spring 2012 – present	Stony Brook Medicine School of Journalism	JRN 505 Communicating Science: Connecting with the Community	10
Fall 2011 – 2014	Stony Brook Medicine School of Journalism Masters in Health and Science Journalism	JRN 530 The Big Story: Science Issues Course Director Developed curriculum MSJ	4-8
2011-2014	Stony Brook Medicine Program in Public Health and School of Journalism	Advanced Graduate Certificate in Health Communications Director Created 18-credit certificate Developed curriculum	15

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2010-present	Stony Brook University School of Journalism	MS in Health and Science reporting Core faculty Co-creator of program Developed curriculum	4-9		
2009-present	Stony Brook Medicine Graduate Program in Public Health	HPH 551 Introduction to Health Communications Course Director Developed curriculum	Core MPH course for community health track MPH and Advanced Certificate in Health Communications students and elective for all MPH students. 8-15 per academic yr.		
2007-2014	Stony Brook Medicine Graduate Program in Public Health	HPH 581 - Capstone Culminating Experience Course Director Developed curriculum	Core course for all MPH students. 8-15 per academic yr.		
2007-2010	Stony Brook University School of Journalism undergraduate	Health and Science Reporting Co-Director Developed curriculum	Elective for undergraduates 8-14 per academic yr.		
Doto		Mentoring			
<u>Date</u> <u>From</u> <u>To</u>	<u>Activity</u>				
2014	David Ali – Stony Brook MP	H – Practicum Advisor			

From	<u>To</u>	<u>Activity</u>
2014		David Ali – Stony Brook MPH – Practicum Advisor
2013		Anne Koke – Stony Brook MPH- Practicum Advisor
2012		MC Davis - Stony Brook MPH - Practicum Advisor
2012		Marie Podany – Stony Brook MPH – Practicum Advisor
2012		Sanhita Reddy – Stony Brook MS 1 – Stony Brook MD with Recognition – application under review Faculty advisor.
2012		Sanhita Reddy – Stony Brook MS 1 – Barry Coller Scholarship for research on health communications in Peru – Faculty advisor.
2011		Stony Brook MPH Practicum Advisor for Genevieve Allong, MPH candidate.
2011		Stony Brook School of Medicine – Rising Leadership Project – How to best incorporate Culturally Competent Communication Curriculum into Stony Brook's SOM Curriculum – Anni Yu, Connie Kim, Mitchell Fourman, Peju Olasokan – 1^{st} and 2^{nd} year medical students.

2011		Stony Brook Medicine – Rising Leadership Project – Improving Translation services at Stony Brook University Hospital – Ben Clippinger, Dharmesh Tank, Deirdre Connolly, Rajiv Bhuta, Crista Cerrone, Cameron Sweeney – 1 st year medical students.
2010		Stony Brook MPH Practicum Advisor for Dina Fahmy MD, MPH candidate.
2010		Stony Brook MPH Practicum Advisor for Cheryl Hecht, MPH candidate.
2010		Stony Brook MPH Practicum Advisor for Jacqueline Bolta, MPH candidate.
2010		Stony Brook MPH independent Study faculty advisor for Dennis Dorf, research and public health outreach.
2009		Faculty Advisor for Sanhita Reddy (Stony Brook journalism & pre-med student) - awarded 2010/11 Fulbright Scholarship for health communications research in Brazil.
2009		Scientific mentor for Jaclyn Vingan (High School student) – awarded 4 th place prize in NY Science and Engineering Fair for her research "Comparing Seasonal and Pandemic Influenza Prevention Knowledge, Attitudes and Behaviors in Children and their Parents in a Suburban Population During a Pandemic."
2008		Faculty mentor for Dimitris Haldeos (Stony Brook MD/MPH student) Stony Brook MD in Recognition Award.
2009 2008		Stony Brook MPH Practicum Advisor for Elizabeth Bass, MPH candidate Stony Brook MPH Practicum Advisor for Jojinder Ahuja, MPH candidate
2008		Stony Brook MPH Practicum Advisor for Chintan Pandya MPH candidate
2007	present	Stony Brook MPH Faculty advisor for 9 students annually.
2007	2008	Liaison and consultant with Department of Pediatrics faculty on 5 research projects.

University Service

Date		
From	<u>To</u>	<u>Activity</u>
2013	present	AAMC Counsel of Faculty and Academic Societies – SOM junior faculty representative Member of Advocacy Task Force
2013	present	University Faculty Senate Governance Committee
2013	2014	School of Medicine Curriculum Reform Committee – Subgroup 2 – Active Learning and Skill Development
2013	present	Co-Chair, Jewish University for the Day planning committee - Hillel
2012	present	Stony Brook University Corporate Education and Training Center Advisory Council – board member
2012	present	Stony Brook School of Journalism Masters in Health and Science Journalism – admissions committee
2011	present	Stony Brook School of Journalism Masters in Health and Science Journalism – curriculum committee
2010		Stony Brook Medicine Strategic Plan 2011-2015 – Community Planning Committee
		Page 8 of 20

2010	2011	Stony Brook Medicine LCME review committee representing junior faculty SOM
2010	2011	Cultural competency curriculum development for medical students, residents, fellows, faculty and staff at Stony Brook SOM and SBUH – in collaboration with Dr. Aldustus Jordan, Associate Dean of Student Affairs – SOM
2010	2010	American Academy of Pediatrics Media Visiting Professor Award – Dr. Dimitri Christakis, George Adkins Professor of Pediatrics at the University of Washington, and Director of the Center for Child Health, Behavior and Development at Seattle Children's Hospital Research Institute
2010	Present	Stony Brook Hillel – Board member
2010	2011	Stony Brook Medicine Strategic Planning For Excellence-Community Planning Committee
2009	Present	Steering committee member for Alan Alda Center for Communicating Science- Stony Brook School of Journalism.
2007	Present	Stony Brook Graduate Program in Public Health Curriculum Committee member.
2007	Present	Stony Brook Graduate Program in Public Health Executive Committee member.
2004	2005	Preventive Medicine Residency Advisory Committee, resident representative.

Community Service/Board membership

Date		
From	<u>To</u>	<u>Activity</u>
2016	Present	HealthEgames –VP of Health Communications
2014	Present	HealthEgames – Advisory Board Member
2013	Present	KidsRX (Pediatric healthcare OTC products) - Board of Advisor member
2008	Present	North Shore Medical Group Huntington Children Environmental Health Center of Excellence advisory board member.
2008	2009	Huntington Breast Cancer Action Coalition fundraiser committee member
2008	Present	Medical Advisor to the L.I. Chapter of the Learning Disabilities Association of America.
2000	Present	Northwestern University alumni interviewer
1988	Present	Crohn's & Colitis Foundation of America – counselor, fundraiser, medical advisory committee member.

Publications in Refereed Journals

Articles

Kaplan-Liss E, Lantz-Gefroh V, O'Connell C, Killebrew D, Bass E Helping Medical Students Learn to Communicate with Empathy and Clarity, Academic Medicine 2016 Pending Review

Reddy S, Pimenta DN, **Kaplan-Liss E**, Guimaraes MCS. Sources of Health Information in Brazil: A Perspective From Students of the Federal University of Rio De Janeiro. PontodeAcesso, Salvador, v.7, n.3, p. 61-77, dez 2013.

Bass E., **Kaplan-Liss E.**, Dorf D., Broderick J. A challenging empirical question: What are the effects of media on psychogenic illness during a community crisis? J Community Med Health Edu 2012, 2:1; http://dx.doi.org/10.4172/jcmhe.1000118.

Broderick J., **Kaplan-Liss E.,** Bass E. Experimental Induction of Psychogenic Illness in the Context of a Medical Event and Media Exposure. AJDM June 2011.

Trasande L., Boscarino J., Graber N., Falk Raphael F., Schechter C., Dunkel G., Geslani J., Moline J., **Kaplan-Liss E.**, Miller R., Korfmacher K., Carpenter D., Balk s., Laraque D., Frumkin H., Landrigan P. The environment in pediatric practice: a study of New York Pediatricians' attitudes, beliefs, and practices towards children's environmental health. J Urban Health. 2006 May; http://dx.doi.org/10.1007/s11524-006-9071-4.

Alexander R.J., Panja A., **Kaplan-Liss E.**, Mayer L., Raich R.F. Expression of photooncogene-encoded mRNA by colonic epithelial cells in inflammatory bowel disease. Dig Dis Sci 1996;41(4):660-669

Alexander R.J., Panja A., **Kaplan-Liss E.**, Mayer L., Raich R.F. Expression of growth factor receptor-encoded mRNA by colonic epithelial cells is altered in inflammatory bowel disease. Dig Dis Sci 1995;40(3):485-494

Abstracts

Trasande L., Schechter C., Falk R., Graber N., Boscarino J., Dunkel G., Geslani J., **Kaplan-Liss E.**, Moline J., Miller R., Korfmacher K., Carpenter D., Balk S., Laraque D., Landrigan P. Could Children's Environmental Health Clinics be Cost-effective? – Abstract accepted for presentation at the 134th Annual APHA Meeting & Exposition, 11/06.

Kaplan-Liss E., Messina C. Risk Factor Model To Predict Childhood Obesity – Abstract accepted for presentation at the Society for Teachers of Family Medicine 27th Annual Conference on Patient Education, 11/05.

Publications in Non-Refereed Journals and Papers and newspapers

Overcoming the Curse of Knowledge, Elizabeth Bass MPH, Evonne Kaplan-Liss MD MPH, GWIMS Watch Newsletter AAMC, Fall 2014 Issue

Opinion: Residency programs can help ease doctor shortage, Norman Edelman and Evonne Kaplan-Liss, Newsday Op-ed 8/24/12

ISIC 2012: Thee information Behavior Conference, Sources of health information in Brazil: a perspective from students of the Federal University of Rio de Janeiro Sanhita Reddy, Denise Pimenta, **Evonne Kaplan-Liss** and Maria Cristina Guimaraes, Tokyo Japan, September 2012.

Kaplan-Liss E., Renna M. "Exercise is Medicine: A Clinician's guide to the Exercise Perscription," Chapter 14 Exercise is a Family Affair, March 2009.

Woolf S., Jonas S., **Kaplan-Liss E.** "Health Promotion and Disease Prevention in Clinical Practice," 2nd edition textbook, managing editor, publication 2007.

Media Interviews

- 10/15 The Art of Medicine Podcast "Say What? Communicating Science with Alan Alda," www.theartofmedicinepodcast.com.
- 10/14 Prism Podcast http://www.prismpodcast.com
- 11/14 **Scope radio** http://healthcare.utah.edu/the-scope/shows.php?shows=0_zjkkfvy1 http://healthcare.utah.edu/the-scope/shows.php?shows=0_lpkqortq
- 3/14 Newsday http://www.newsday.com/opinion/letters/letters-a-wish-list-for-albany-1.7465242. 'Readers budget Wishes,' letter-to-the-editor on behalf of the Centers of Excellence in Children's Environmental Health
- 3/14 **The Academic** http://medicine.stonybrookmedicine.edu/faculty-affairs/Academic/vol2-1#cfas 'Perspectives From Your Elected Representatives to AAMC's Council of Faculty and Academic Societies (CFAS)'
- 10/13 **AAMC** https://www.aamc.org/newsroom/reporter/oct2013/358490/communication.html 'Talking the Talk: Training Scientists in the Art of Communication'
- 7/13 Radio Health Journal http://www.mediatracks.com/radiohealthjournal/podcasts/ Medicine in Plain Language podcast
- 4/13 **CBS Sunday Morning** 8 minute package focusing on Alan Alda Center for Communicating Science with footage of the Communicating Science Elective taught to medical, dental and nursing students at Stony Brook Medicine

Invited Lectures

<u>Date</u>	<u>Institution</u>	<u>Title</u>
11/16	Worcester, MA U Mass Medical School	"Distilling your Message for Greater Rewards," Plenary for 150 research faculty,
11/16	Boston, MA Mass. General Hospital	"How to Explain Science: Distilling your Message for Greater Rewards," Plenary for 150 research faculty, Mass General Research Institute
9/16	Fort Worth, TX TCU/UNTHSC	"Empathy and Clarity": plenary and two-track one day workshop for 25 research scientists and 25 clinicians in improvisation and distilling your message"
9/16	Boston, MA HHMI	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary and one day workshop for 75 Howard Hughes Medical Institute Fellows – Medical students pursuing research
9/16	Austin, TX Dell Medical School	One day medical improvisation training for Dell Medical faculty
8/16	Albuquerque, NM University of New Mexico Medical School & CTSA	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary one day workshop for 50 physician scientists and Multidisciplinary clinical translational medical researchers
7/16	San Antonio, TX AHA	"Communicating Science to the Public – What We Say and What They Want to Hear," 300 Principal investigators, post-docs and fellows funded by the American Heart Association

6/16	Lexington, KY U of KY SOM	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary and two day workshop for 50 MD PHD students and Multidisciplinary clinical translational medical researchers
6/16	Stony Brook, NY Cancer Center	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary and all day workshop for 25 multidisciplinary cancer researchers
5/16	New York, NY NY College of Optometry	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Clinical Faculty
5/16	Cleveland Ohio Cleveland Clinic Lerner Research Institute	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Basic scientist faculty and post-docs
5/16	Stony Brook, NY Stony Brook Medicine	Coached 3 pediatric residents/fellows for their Ted-like Talk presentations for 2016 pediatric research day.
4/16	Boston, MA NECO	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Optometry faculty
4/16	Boston, MA Harvard Medical School	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Basic scientist faculty and post-docs
4/16	Dallas, TX UTSW	"Distilling Your Message: Empathy & Clarity," UTSW SWAT symposium, plenary speaker - research & clinical faculty and graduate students
4/16	Fort Worth, TX TCU/UNTHSC	How to incorporate Empathy and Clarity in medical education – TCU Provost Council, TCU/UNTHSC curriculum committee for the new medical school, TCU Interdisciplinary faculty, UNTHSC Provost
3/16	lake Oconee, Georgia	"Distilling Your Message," workshop, Pew Charitable Trusts – Scholars 2016 meeting
2/16	Oahu, Hawaii	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary, Quantitative Biology Meeting 2016
1/16	NY, NY Icahn School of Medicine	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Plenary and 5 week 15 hour course for biomedical PhD and MD PhD Students
12/15	Durham, NC Duke Medicine	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary and all day workshop for 25 basic science medical faculty
11/15	Austin, TX UT-Austin	"Engaging Your Audience: Empathy & Clarity," Plenary for the Moody College of Communication
11/15	Austin, TX UT-Austin	"Engaging Your Audience: Empathy & Clarity," Plenary for new Dell Medical faculty
10/15	Philadelphia, PA Jefferson Medical	"Engaging Your Audience: Empathy & Clarity," plenary and all day workshop for interprofessional faculty and medical students

10/15	Morgantown, WV WV Medicine	"Engaging Your Audience: Empathy & Clarity," plenary and all day workshop for 50 interprofessional faculty from multiple disciplines – improvisation and distilling
10/15	Palo Alto, CA Stanford Medicine	"Engaging Your Audience: Empathy & Clarity," plenary and all day workshop for 50 residents and faculty from multiple disciplines – improvisation and medical distilling
10/15	Stony Brook, NY Stony Brook Medicine	"Engaging Your Audience: Empathy & Clarity," plenary and all day workshop for 50 OBGYN faculty, residents, midwives and nurse practitioners – improvisation and medical distilling.
9/15	Chicago, Ill University of Chicago Medical School	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for medical school faculty and students, two 3-hour Distilling Your Message and improvisation break-out sessions
9/15	Austin Texas UT-Austin	"Engaging Your Audience: Empathy & Clarity," plenary for UT-Austin TIME initiative - 6 medical schools partnered with undergraduate programs for 6 year medical program.
9/15	Boston University	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior scientists, Led 3-hour Distilling Your Message break-out sessions
7/15	Washington DC NAS/NSF	Facilitator for Distilling your Message workshop for senior Scientists
6/15	Stony Brook University	Alan Alda Center for Communicating Science Boot Camp – Distilling Your Message and storytelling Workshops
6/15	Stony Brook University	Alan Alda Center for Communicating Science Summer Institute – Media Training Workshop, Distilling Your Message Workshop
5/15	Stony Brook, NY Stony Brook Medicine	2015 Stony Brook Medicine Pediatric Research Day – judge for platform presentations and poster session.
5/15	Stony Brook, NY Stony Brook Medicine	Coached 3 pediatric residents for their Ted-like Talk presentations for 2015 pediatric research day.
5/15	New York, NY Columbia University	Facilitator for Distilling your Message workshop for senior Scientists at Kavli Institute.
5/15	Ann Arbor, MI U Michigan Medicine	Trained 180 medical students in communicating science in a two day workshop during their transition to clinical year's orientation.
4/15	San Diego, CA Pediatric Academic Society	"What do you do all day? - advocating and communicating about pediatric scientific research," – panel presentation for the advocacy committee of the Pediatric Academic Society – 2015 annual meeting.
4/15	Stony Brook Medicine	"Distilling Your Message for Greater Rewards," Second year medical students annual retreat.
4/15	Stony Brook Medicine	Pediatric residency training – Ted-like talks for Pediatric Research Day

3/15	Boston, MA	"Distilling Your Message for the Media," Experimental Biology Conference sponsored by the American Physiological Society
3/15	Stony Brook, NY	The Empowerment Project Film and Panel Discussion, Panelist
2/15	Maui, Hawaii	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary, Quantitative Biology Meeting 2015
1/15	Bethesda, MD NHLBI -NIH	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior NIH scientists, Led 2, 3-hour Distilling Your Message break-out sessions
1/15	San Diego, CA UCSD - Kavli	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary for PhD and post-docs from UCSD. Led 2, 3-hour Distilling Your Message break-out sessions for senior faculty in the sciences and medicine From UCSD, Kavli Institute. Scripps Institute and Salk Insitute.,
1/15	Irvine, CA UC Irvine Medicine	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," plenary for PhD and MD PhD students. Led 3-hour improvisation session for MD PhD students
12/14	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Preventive Medicine residents, Stony Brook Medicine
12/14	Argonne National Lab School of Medicine	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Led 2, 3-hour Distilling Your Message break-out sessions.
11/14	Northwestern University Chicago, IL	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards, "American College of Physicians, Illinois Chapter – all-day workshop for 20 physicians
11/14	AAMC Chicago, IL	Alda Center Communicating Science Dean's Meeting
10/14	Boston University School of Medicine Boston, MA	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior faculty in the sciences, Medicine, dental medicine & communications. Led 2, 3-hour Distilling Your Message break-out sessions.
10/14	University of Kentucky Lexington, Ky	"Distilling Your Message for Greater Rewards," Plenary – Gill Heart Institute 17 th Annual Research Day
10/14	University of Wisconsin Madison WI	"Communicating Science: Why Bother?" panelist discussion - Wisconsin Science Festival
10/14	University of Wisconsin Madison, WI	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior faculty in the sciences, Medicine, veterinary medicine & the arts. Led 2, 3-hour Distilling Your Message break-out sessions.
9/14	Stony Brook University Stony Brook, NY	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Biomedical Engineering undergraduates Page 14 of 20

6/14	Career Center Stony Brook, NY	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," undergraduates participating in NSF REU & Explorations in STEM Sponsored summer research projects
6/14	KICP/U. of Chicago Chicago, Ill	Alda Center for Communicating Science one day workshop for PhD students in Astronomy – KICP EO Summer School
6/14	Stony Brook University	Alan Alda Center for Communicating Science Summer Institute – Distilling Plenary Lecture, Media Training Workshop, Distilling Your Message Workshop
6/14	Stony Brook Medicine Stony Brook, NY	"Communicating Science of Iraq Afghanistan War Lung Injury (IAW-LI)," panelist
6/14	FASEB Crystal City, VA	"Enhancing the Communication Skills of Scientists," Federation of American Societies for Experimental Biology, plenary
5/14	U Penn Vet School Philadelphia, PA	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior faculty in veterinary Medicine & led Distilling Your Message Workshops
5/14	Forensics Society Ontario, Canada	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for forensic scientists, coroners, lawyers and Police officers.
5/14	Indiana University Indianapolis, IN	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior faculty in the sciences and medicine & led Distilling Your Message Workshop
3/14	Stony Brook University Hillel	Moderator for of lecture given by Dr. Gil Atzmon, Albert Einstein College of Medicine "Jewish Genes: What Secrets do they Tell Us," Jewish University for a Day 2014
3/14	U Penn Philadelphia, PA	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior faculty in the sciences and medicine
3/14	Villanova Radnor, PA	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," interdisciplinary plenary for junior and senior faculty in the sciences & led Distilling Your Message Workshop
1/14	ACPM New Orleans, LA	"Around the Preventive Medicine World in 80 minutes: Speed-Networking," mentor - American College of Preventive Medicine 2014 annual meeting
1/14	Stony Brook Medicine School of Dentistry	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," first year dental students
1/14	Stanford University KIPAC	Communicating Science three day workshop – led Distilling Your Message, Media Training and Communicating with Legislators workshops for 60 Senior and Junior faculty in Physics, Math and biological sciences

1/14	Stony Brook Medicine	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Psychiatry Grand Rounds
12/13	MS Society of Canada Montreal, Canada	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," 140 Post-docs at the annual MS Society meeting.
12/13	The Field Museum Chicago, Ill	Distilling Your Message and Media Skills Workshop – Two day workshop for 20 evolutionary biologists, geologists and anthropologists.
11/13	AAMC Annual meeting Philadelphia, PA	"Selling Your Dream to Donors and Funders: A Cocktail Party"
10/13	SEAK Chicago, Ill	"Superior Communication Skills to Facilitate Your Career Transition," Non-Clinical Careers for Physicians – 400 physicians representing all specialties
9/13	Kavli Institute for Cosmological Physics University of Chicago Chicago, Ill	Communicating Science four day workshop – led media training and distilling your message workshops for Senior and Junior faculty in Physics, Math and biological sciences.
9/13	Stony Brook University Stony Brook, NY	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Biomedical Engineering Course
7/13	Career Center Stony Brook, NY	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," undergraduates participating in NSF REU & Explorations in STEM sponsored summer research projects
7/13	L'Oreal USA Clarke, NJ	Distilling Your Message Workshop
7/13	L'Oreal USA Clarke, NJ	"Distilling Your Message: The Importance of Translating Your Work for Greater Rewards," Plenary
6/13	Stony Brook, NY	Alan Alda Center for Communicating Science Summer Institute – Distilling Plenary Lecture, Media Training Workshop, Distilling Your Message Workshop
5/13	Brookhaven , NY Brookhaven National Labs	Distilling Your Message Workshop, NSLS/CFN Conference
5/13	Brookhaven NY Brookhaven National Labs	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," NSLS/CFN Conference
5/13	Brookhaven NY Brookhaven National Labs	"Alan Alda Center for Communicating Science," plenary speaker, NSLS/CFN Conference
4/13	Stony Brook, NY Hillel	"My Daughter the Jewish Doctor," panel moderator, Jewish University for the Day
4/13	Boston, MA	"Distilling Your Message for the Public," Experimental Biology Conference sponsored by the American Physiological Society

4/13	Stony Brook, NY Stony Brook University	"Crosstalk: Talking across Disciplines" Converging Science Summit plenary
4/13	Stony Brook, NY	Distilling Your Message Workshop, Ecohealth Alliance
4/13	Stony Brook, NY	"Future Leaders are Effective Communicators," Living Book Program
4/13	Stony Brook, NY School of Dentistry	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Dental School annual symposium
3/13	Fort Lauderdale, FL AAMC	"Communicating the Value of Fundamental Research to the Public and Policy Makers," Council of Academic Societies Spring Meeting
1/13	New York, NY Mount Sinai School of Medicine	"Distilling Your Message: The Importance of Translating your work for Greater Rewards," Professional Development Education for PhD candidates and Post-Docs
12/12	Syracuse, NY SUNY Syracuse	"Distilling Your Message Workshops," two workshops for PhD students - Career Development Day, School of Graduate Studies
12/12	Syracuse, NY SUNY Syracuse	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Career Development Plenary, School of Graduate Studies
12/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Family Medicine grand rounds
12/12	New York, NY Mount Sinai School of Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Preventive Medicine grand rounds
11/12	New York, NY Rockefeller Institute	"Distilling Your Message Workshop," 8 PhD students, and post-docs
11/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Nursing Grand Rounds, Stony Brook Medicine
11/12	San Francisco, CA BCERP NIH	Distilling Your Message Workshop – two sessions Breast Cancer and the Environment Research Program annual meeting, NIH
11/12	San Francisco, CA BCERP NIH	"Distilling Your Message Plenary: An Interactive Session on Communicating Science," Breast Cancer and the Environment Research Program annual meeting, NIH
9/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Surgery Grand Rounds, Stony Brook Medicine.
8/12	Stony Brook, NY Stony Brook Medicine	"Distilling your Message: Emergency Medicine Physicians on the Frontline of Communication," two emergency medicine faculty meetings.

8/12	American Phyto- Pathological Society Providence, R.I.	"Distilling Your Message Plenary: The Importance of Translating your Work for Greater Rewards," Main plenary for 1,600 APS members at annual meeting.
8/12	CDC Atlanta, Georgia	"Connecting with the Community: How to Engage the Community in Your Research and Outreach" – Accepted poster presentation, 2012 National Conference on Health Communication, Marketing and Media.
6/12	New York, NY New York-Presbyterian Hospital & Weill Cornell Medical College	"Distilling Your Message Grand Rounds: The Importance of Translating your Work for Greater Rewards," Annual Anthony Paul Williams Memorial Lecture in Wilderness Medicine, Department of Emergency Medicine hospital-wide grand rounds.
6/12	Stony Brook, NY Stony Brook Medicine	"Leaders in Medicine are Effective Communicators," Scholarly Concentrations Program Summer Welcome and Program "Kick-Off."
6/12	Uniondale, NY Nassau County Health Department	"Connecting with the Community Workshop: Public Health Perspective," NYC, LI, Tri-County Public Health Training Center
3/12	Bethesda MD National Cancer Institute	"Distilling Your Message Colloquium: The Importance of Translating your Work for Greater Rewards," CR-FYI Colloquium – 60 NIH fellows
3/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," OBGYN Grand Rounds, Stony Brook Medicine
2/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Preventive Medicine residents, Stony Brook Medicine
2/12	Stony Brook, NY Stony Brook Medicine	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," Pediatric Grand Rounds, Stony Brook University Medicine
10/11	Cincinnati, Ohio University of Cincinnati	"Distilling Your Message: The Importance of Translating your Work for Greater Rewards," University of Cincinnati School of Medicine
10/11	Cincinnati, Ohio University of Cincinnati	"Distilling Your Message Workshop," University of Cincinnati School of Medicine
10/11	Cincinnati, Ohio University of Cincinnati	"Cool Science: Communicating Hot Topics in a Science Phobic world," Provost Lecture Series
7/11	Bethesda, MD NIH	"Communicating Science," keynote speaker – NIEHS Partnerships for Environmental Public Health – Environmental Health Communication: Methods, Research and Training
6/11	Stony Brook University School of Journalism	"Bringing Communicating Science Curriculum Back to your Institution," guest panel – Center for Communicating Science Summer Institute
3/11	Stony Brook Medicine	"Leaders in Medicine are Effective Communicators," – Rising Leaders in Medicine Medical School Elective, 1 st and 2 nd year medical students

11/10	Stony Brook Medicine	"Communicating Science and Medicine to the Public," – Center for Communicating Science all day workshop – Coordinator	
11/10	Stony Brook Medicine	"Connecting with the Community Workshop," – Center for Communicating Science workshop	
10/10	Stony Brook Medicine	"How to Connect with the Community," – Second year medical students MCS course	
5/10	Pediatric Academic Society Annual Meeting Vancouver BC	"What Gets Said: Deconstructing Media Messages About Environmental Health Concerns," – AAP COEH workshop	
4/10	New York Academy of Medicine	"What Gets Said: Deconstructing Media Messages About Environmental Health Concerns," – AAP COEH workshop	
6/09	Stony Brook Medicine	"Hot Topics in Pediatric Environmental Health," - Pediatric Grand Rounds	
6/09	Stony Brook Medicine	"Psychogenic Illness in Response to Pandemic or Mass Biological Exposure: Development of Experimental Model," – Preventive Medicine CME	
3/09	Stony Brook Career Center	"Combining a Career in Medicine and Communications"	
2006-2009	Stony Brook Medicine	"Pediatrics & Prevention," annual lecture in Foundations of Medical Practice course to first year medical students	
5/06	Stony Brook Pediatric Asthma Project	Asthma Education lecture to NYC public school teachers	
3/06	Stony Brook School of Medicine	"Overweight Children: an Epidemic," first year pediatric clinical rotation	
1/05	Stony Brook Medicine	"Environmental Causes of Childhood Obesity," Preventive Medicine Residents	
5/05	Wyandanch Martin Luther King, Jr. Community Health Center	"Environmental Causes of Childhood Obesity"	
5/05	Shirley Marilyn Shellabarger South Brookhaven Family Health Center East	"Environmental Causes of Childhood Obesity"	
3/05	Coram Elsie Owens North Brookhaven County Health Center	"Environmental Causes of Childhood Obesity"	

Page **19** of **20**

Evonne Kaplan-Liss, M.D., M.P.H.

11/04	Stony Brook Medicine Preventive Medicine Residency	"Isn't Hepatitis B Preventable?"
11/03	Columbia University Mailman School of Public Health	"Get up, Get Active, Play – Move Your Body Everyday"
10/03	Stony Brook Medicine Preventive Medicine Residency	"Green Communities"

The information presented above is an accurate compilation of professional biographical information.

Evonne Kaplan-Liss MD MPH

Signature of Candidate Date





Curriculum Vitae

Kevin J. Kunkler, MD, MS

CURRENT TITLE: Chair Joint Program Committee – 1 (JPC-1)

Portfolio Manager: Medical Simulation and Information Sciences Research Program

Instructor – Univ. of Maryland, School of Medicine, Dept. of Surgery

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1984-1988	B.A. Mathematics & Chemistry	Indiana University College of Arts &
	(Phi Beta Kappa)	Science, Bloomington, IN

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1988-1992	Doctor of Medicine	Indiana University School of
		Medicine, Indianapolis, IN
2009-2013	Masters - Bioscience Regulatory Affairs	Johns Hopkins University, Zanvyl Krieger School of Arts and Science, Baltimore, MD

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
1992-1994	Residency, General Surgery	Vanderbilt University Medical
		Center, Nashville, TN





Chronology of Employment

PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
1995-1999	Director of Operations, Owner (Minority)	Utilitote, Inc., Stallings, NC
1997-1999	Partner / Project Manager	Business Management Network, Matthews, NC
2000-2002 2002-2002 2002-2004 2004-2009	Clinical Education Specialist Assistant Medical Director Medical Director Vice President & Medical Director	Immersion Medical, Gaithersburg, MD
2009-2013	Visiting Instructor (Non-Tenure)	Univ. of Maryland School of Medicine, Baltimore, MD
2009-2012	Sr. Subject Matter Expert & Contracting / Grants Officer Representative	US. Army Medical Research & Materiel Command (MRMC), Telemedicine and Advanced Technology Research Center (TATRC), Fort Detrick, MD
2012-Present	Chair: Medical Simulation & Training Steering Committee / Medical Modeling, Simulation, and Training Portfolio Manager	Defense Health Program, Joint Program Committee 1 (JPC-1) / Medical Simulation & Information Sciences (MSIS) Research Program, Fort Detrick, MD
2013-Present	Instructor (Non-Tenure)	Univ. of Maryland School of Medicine, Baltimore, MD

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2009-Present	Univ. of Maryland, School of Medicine, Dept. of Surgery	Instructor

Honors and Awards

Years	Honor/Award Type	Institution
1988	Phi Beta Kappa recipient	Phi Beta Kappa





ADMINISTRATIVE EXPERIENCE

Professional & Scientific Committees

Years	Title/Role,	Institution, City, State, Country
2012-Present	Medical Simulation & Training Steering Committee (Programmatic) / Chair	Defense Health Program, Joint Program Committee 1 (JPC-1), Fort Detrick, MD, United States
2015-Present	Human Factors & Medicine (HFM) 242, "Technology Alternatives for Medica Training" / Panel Memeber	North Atlantic Treaty Organization (NATO)

Grant Review Committee/Study Sections

Stant Review dominities, stady sections					
Years	Title/Role,	Institution, City, State, Country			
2009-2012	Programmatic Review Board: Congressional Special Interest (CSIs), Broad Agency Announcement (BAA), & Advanced Medical Technology Initiative (AAMTI) / Scientific Reviewer & Panel	US Army Medical Research and Mateiel Command (MRMC), Telemedicine and Advanced Technology Research Center (TATRC), Fort Detrick, MD, USA			
2012- Present	Joint Program Committee 1 (JPC-1) Steering Committee (Programtic Review) / Chiar	Defense Health Program, Joint Program Committee 1 (JPC-1), Fort Detrick, MD, USA			
2016 – Present	Novice Research Grants / Vice Chair & Reviewer	Society for Simulation in Healthcare, Washington DC, USA			

Symposium/Meeting Chair/Coordinator

		T
Years	Title/Role,	Institution, City, State, Country
2011	Continuing Clinical Competency Symposium / Co-Chair	Medicine Meets Virtual Reality, Newport Beach, CA, USA
2012	Clinical Skills Sustainment and Medical Simulation Training / Co-Chair	Military Health System Research Symposium, Fort Lauderdale, FL, USA
2015	Military Medical Skills Acquisition & Sustainment	Military Health System Research Symposium, Fort Lauderdale, FL, USA
2016	Team Performance Training / Chair	Military Health System Research Symposium, Kissimmee, FL, USA
2017	Interagency Modeling and Analysis, 10 th Anniversary, Multi-Scale Modeling / Panel Co-Chair	National Institue of Health, Bethesda, MD, USA





PROFESSIONAL COMMUNITY ACTIVITIES

Years	Title/Role,	Institution/Organization, City, State,
2012-Present	Research Committee / Vice Chair (2015-2017)	Society for Simulation in Healthcare, Washington DC, USA





Active Grants

Not applicable

Pending Grants

Not applicable

Past Grants

None

Active Contracts

Not applicable

Pending Contracts

Not applicable

Past Contracts

09/22/2003 - 09/22/2005

DAMD1703-C-0052: Advanced Ureteroscopy Simulation Workstation for Medical

\$829.9K: Dept. of Defense / Office of the Secretary of Defense – Small Business Innovative Research (SBIR) – Phase II

Role: Principal Investigator

07/01/2003 - 06/30/2005

2 R44DK055447-02A1: Simulation of Therapeutic Endoscopic Retrograde Cholangio-Pancreatography (ERCP)

\$493K: Dept. of Health & Human Services - National Institute for Health (NIH) - Small Business Innovative Research

(SBIR) - Phase II

Role: Principal Investigator

12/14/2001 - 06/14/2005

DAMD1702-C-00338: Needle Thoracentesis Simulation Workstation for Medical Training

\$849.8K: Dept. of Defense / Office of the Secretary of Defense - SBIR Phase I & II

Role: Principal Investigator

12/03/2001 - 03/31/2005

DAM1702-C-0003: Medical/Surgical, Mission Modeling and Simulation

\$599.8K: Dept. of Defense / Office of the Secretary of Defense – Small Business Technology Transfer (STTR) Phase II

Role: Principal Investigator

07/01/2003 - 06/30/2005

R44HD038223-03: Diagnostic and Operative Hysteroscopy Simulator

\$380.4K: Dept. of Health & Human Services - NIH - SBIR - Phase II

Role: Principal Investigator

06/14/2004 - 12/12/2004

W81XWH-04-C-0120: Fractured Femur Simulator

\$100K: Dept. of Defense / Office of the Secretary of Defense - SBIR - Phase I

Role: Principal Investigator





ANNOUNCEMENT (Assistance Agreements) and SOLICITATION (Research Contracts) TOPIC AUTHOR

W81XWH-10-JPC-MEDSIM-CCTC JPC1-MedSim Combat Casualty Training Consortium Defense Health / Dept. of Army / RDT&E \$15,200,000 (19 Nov 2010)

W81XWH-12-JPC1-MPI-PSD Medical Practice Initiative – Procedural Skill Decay and Maintenance (MPI-PSD) Defense Health / Dept. of Army / RDT&E \$4,000,000 (19 April 2012)

W81XWH-12-JPC1-DTME-PRP
Developer Tools for Medical Education Public Physiology Research Platform (DTME-PRP)
Defense Health / Dept. of the Army / RDT&E
\$7,000,000 (26 Apr 2012)

W81XWH-13-R0032- AMM Advanced Modular Manikin (AMM) Defense Health / Dept. of the Army / RDT&E \$7,200,000 for Phase I (28 Aug 2013) \$8,000,000 for Phase II

W81XWH-13-JPC1-MPI-ARM
Medical Practice Initiative Augmented Reality for Medical Applications (MPI-ARM)
Defense Health / Dept. of the Army / RDT&E
\$3,250,000 (21 Mar 2013)

W81XWH-14-JPC1-VTA Virtual Tissue Advancement (VTA) Defense Health / Dept. of the Army / RDT&E \$7,200,000 (14 Feb 2014)

W81XWH-14-DMRDP-JPC1-TPT
Team Performance Training (TPT) Research Initiative
Defense Health Agency / Defense Medical Research and Development Program
\$3,450,000 (15 Dec 2014)

W81XWH-15-DMRDP-JPC1-JRoute
Joint En Route Care Training System of Systems Initiative: Hand-Offs, Patient Transfers, and Systems Interoperability
Defense Health Agency / Defense Medical Research and Development Program
\$3,000,000 (13 March 2015)

W81XWH-15-DMRDP-MSIS-REALMETRX
Metrics: Transitioning Training to Reality
Defense Health Agency / Defense Medical Research and Development Program
\$3,200,000 (11 June 2015)





W81XWH-15-DMRDP-MSIS-SimMarkers Medical Decision Aids – Predictive Markers Defense Health Agency / Defense Medical Research and Development Program \$2,400,000 (11 June 2015)

W81XWH-15-DMRDP-MSIS-ATUMN

Adaptive Tutor Using Methodologies for Neuroplasticity
Defense Health Agency / Defense Medical Research and Development Program
\$3,000,000 (29-July-2015)

W81XWH-16-R-MSI1

Predictive Personality & Emotional State Performance Determinants for Training (PREEMPT) Defense Health Agency / Defense Medical Research and Development Program \$2,500,000 (28-Mar-2016)

W81XWH-16-DMRDP-MSIS-TRA

Translational Simulation Research (TRANSfeR) Award
Defense Health Agency / Defense Medical Research and Development Program
\$1,800,000.00 (10-Aug-2016)

W81XWH-16-DMRDP-MSIS-MAT

Developing Models for Military and/or Civilian Medical Training from Field Data Collected from Sensors (MATADOR)
Defense Health Agency / Defense Medical Research and Development Program
\$2,200,000.00 (16-Sept-2016)

W81XWH-17-R-MSI1

Utilizing Machine Learning and Artificial Intelligence for Medical Training Needs (MACH Learning)
Defense Health Agency / Defense Medical Research and Development Program
\$1,600,000.00 (9-Dec-2016)

SBIR / STTR TOPIC AUTHOR

OSD10-H06

Development and Integration of Next Generation Haptics into Medical Simulators Office of Secretary of Defense / Small Business Innovative Research \$2,000,000 (17 Aug 2009)

DHP12-002

Integrated Sensor Technology into Synthetic Anatomical Training Models for Objective User's Performance Measurement

Defense Health Program / Small Business Innovative Research \$1,450,000 (3 May 2012)

DHP12-001

Junctional and Non-Compressible Hemorrhage Control Training System Defense Health Program / Small Business Innovative Research \$1,750,000 (3 May 2012)

DoD 2016.A: DHP16A-001

Bio-mathematical Models of Aggregated Tissues & Organ Properties Defense Health Program / Small Business Technology Transfer (*STTR*) \$450,000 (11 Dec 2015)





TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

Inclusive years (2013-2013)	Skills Lab Curricula - Principles of asepsis - Intracorporal & Extracoporal Knot Tying - Needle Driving & Anastomosis	Course is taught each 3 rd year rotation	Medical Students (rotating through general surgery)	Six (6) to ten (10) per course
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Laboratory Teaching

Inclusive	years	Physilogy	Lab	Summer	Nursing	Approx.
(1990)		(Nursing)			Students	24

PEER-REVIEWED JOURNAL ARTICLES

- 1. Teyhen, D.S, Aldag, M., Edinborough, E., Ghannadian, J.D., Haught, A, Kinn, J., Kunkler, K.J., Levine, B., McClain, J., V.E, Neal, D., Stewart, T., M.A., Thorndike, F., Trabosh, V., Westensten, N., Parramore, D.; Leveraging Technology: Creating and Sustaining Changes for Health, *Telemedicine* and e-Health. Vol. 20, No. 9, Sept. 2014
- Teyhen, D.S, Aldag, M., Centola, D., Edinborough, E., Ghannadian, J.D., Haught, A. Jackson, T., Kinn, J., Kunkler, K.J., Levine, B., Martindale, V.E, Neal, D., Snyder, L.B., Styn, M.A., Thorndike, F., Trabosh, V. Parramore, D.J; Key Enablers to Facilitate Healthy Behavior Change: Workshop Summary, *Journal of Orthopaedic and Sports Physical Therapy* 2014 May;44(5):378-87
- 3. O'Neil, H.F.; Kunkler, K.; Friedl, K.E.; Perez, R.S.; Designing and Using Computer Simulations in Medical Education and Training. (Guest Editor), *Military Medicine* (Special Issue). 2013 Oct., Vol. 178, No 10.
- 4. Bass, T. A., Kunkler, K.J., *Using a Virtual Reality Trainer to Prepare for Difficult Cases. Endovascular Today*, 2007 April; 95-97
- 5. Kunkler, K., *The role of medical simulation: an overview. The International Journal of Medical Robotics and Computer Assisted Surgery*, 2006 Sept. 8, Vol. 2, Issue 3, (P) 203 -210
- 6. Kunkler KJ, Everett LM, Breedlove DK, Kempson SA., *Insulin stimulates sodium-dependent phosphate transport by osteoblast-like cells. American Journal Physiology.* 1991 May; 260(5 Pt 1):E751-5.

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NON PEER-REVIEWED JOURNAL ARTICLES

- 1. Linde, A., Kunkler, K, *The Evolution of Medical Training Simulation in the U.S. Military.* Student Health Technology Information *2016*; *220*: *209-14*
- 2. Heiser C, Gregorio P, Olien N, Bailey D, Kunkler K, *Advances in Hysteroscopy Simulation.* (Poster) *Medicine Meets Virtual Reality.* Newport Beach, CA, Jan. 16-17, 2004

JOURNAL EDITOR

 O'Neil, H.F., Kunkler, K.J., Friedl, K.F., Perez, R. Military Medicine International Jorunal of AMSUS, SPECIAL ISSUE, Designing and Using Computer Simulations in Medical Education and Training, Oct. 2013, Supplement to Military Medicine, Vol 178, #10

PENDING BOOKS / PUBLICATIONS

Book(s)

1. Nestel, D., Hui, J., Kunkler, K., Calhoun, A.W., Scerbo, M., Healthcare Simulation Research – A Practical Guide, Springer Publishing

Abstract(s)

1. Linde, A., Caridha, J., Kunkler, K.J., Medical Simulation Training: Trageting Medicical Skills to Emulate Real-time Field Injuries, Applied Human Factors and Ergonomics Conference, Los Angeles, CA. Abstract accepted

ORAL PRESENTATIONS

Keynote/Plenary Lectures/Meeting Presentaions

The gaps of open architecture digital interactive virtual human models. 7th International Conference on Applied Human Factors and Ergononmics. 31-July-2016. Orlando, FL.

Simulation Development in Military Medicine, National Institute of Diabetes and Digestive and Kidney Diseases: Simulation Research in Gastrointestinal and Urologic Care. 10-June-2016. Bethesda, MD

The Evolution of Medical Training Simulation in the U.S. Military, Medicine Meets Virtual Reality (17-Apr-2016), Los Angeles, CA

Government Agencies Advancing Medical Modeling, Simulation, Education, and Training 15th International Meeting on Simulation in Healthcare (IMSH) (12-Jan-2015), New Orleans, LA

Defense Department R & D in Medical Modeling, Simulation, and Training 15th International Meeting on Simulation in Healthcare (IMSH) (12-Jan-2015), New Orleans, LA

Defense Health - Medical Modeling, Simulation, and Training: Developer Tools and Shared Resources Interagency Modeling and Analysis Group – 2014 Multi-scale Modeling Consortium Meeting (3-Sept-





2014), Bethesda, MD

Overview of the Medical Practice Initiative Strategic Plan Military Health System Research Symposium (MHSRS) (19-Aug-2014), Ft. Lauderdale, FL

Metrics; Endpoints; Methods of Validation for Medical Training
Navy Central Simulation Committee Workshop (June 15-18, 2014), Portsmouth, VA

Summary of DHP / JPC-1 Medical Simulation Validation Programs
Alliance for Surgical Simulation in Education and Training (Feb. 22, 2014), Manhattan Beach, CA

Future Medical Simulation Research Plans of the Defense Department 21st Medical Meets Virtual Reality Conference (Feb. 19, 2014), Manhattan Beach, CA

Tackling Pressing Defense Medical Simulation & Training Knowledge Gaps: A Roadmap for the Future 14th International Meeting on Simulation in Healthcare (Jan. 27, 2014), San Francisco, CA

Defense Health Program Strategic Review and Analysis
Presentation to members of the Defense Health Agency (Sept. 2013), Fort Detrick, MD

Joint Program Committee 1: Overview and Updates 13th International Meeting on Simulation in Healthcare (Jan. 29, 2013), Orlando, FL

Clinical Competency Degradation

Designing and Using Computer Simulations in Medical Education and Training Workshop (May 17, 2011),
Los Angeles, CA

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JO ANNA LEUCK, MD, FACEP

2909 Park Hill Drive • Fort Worth, TX 76109 • 704-307-6017 • jleuck@jpshealth.org

TRA	INING	AND	EDUC	ATION

Texas Christian University Bachelor of Arts: Biology, Minor: Spanish, Summa Cum Laude	1996-2000
Honors And Achievements: Phi Beta Kappa, Texas Christian University Dean's Sch	holarship
University of Texas-Southwestern Medical School	2001-2005
Doctorate of Medicine	
Honors and Achievements: AOA member, Class President 2002-2005	
Carolinas Medical Center	
Resident Physician: Emergency Medicine	2005-2008
Chief Resident: Emergency Medicine	2007-2008
Comprehensive Instructor Course for Medical Simulation Harvard Medical School, Boston, MA	2008
Emergency Medicine Basic Research Skills Course (EMBRS) American College of Emergency Physicians	2011
Graduate Course in Healthcare Simulation Harvard Medical School, Boston, MA	2011
Medical Education Research Certification (MERC) Council of Residency Directors-Emergency Medicine (CORD)	2011
	2012
Masters of Health Professions Education (MHPE) Program-In Process University of Illinois-Chicago Medical School	2012-present

PROFESSIONAL EXPERIENCE

John Peter Smith Health System

Vice Chair of Academics

Program Director, Emergency Medicine

2014-present

Carolinas Medical Center-

Director of Medical Simulation-Emergency Medicine Associate Director of the Carolinas Simulation Center Charlotte Longitudinal Integrated Curriculum Thread Director Assistant Professor, Core Faculty

2008-2014

Carolinas Medical Center Cardiac Rehabilitation, Charlotte, NC – Supervising Physician 2006-2007

Texas Christian University, Fort Worth, TX- Anatomy and Physiology Teaching Assistant 1997-2001

AWARDS and GRANTS

TWINDS WIN SIMILES	
Society for Academic Emergency Medicine Education Fellowship Grant	2012-2014
-150,000\$ Career Development Research Grant JPS Research Day Best Oral Presentation	2014
Carolinas Medical Center for Faculty Excellence Simulation Educator of the Year	2012
Resident Teacher of the Year- Carolinas Medical Center	2008
SAEM Medical Student Excellence Award	2005
University of Texas- Southwestern Dean's Competitive Scholarship	2001
Student Employee of the Year, NASA Johnson Space Center	1996
LEADERSHIP EXPERIENCE	
Practitioner Satisfaction Committee Chair- JPS	2016-present
Chair of JPS Institutional Review Board (IRB)	2015-present
Difficult Airway Course National Faculty	2015-present
Program Committee- Society of Academic Emergency Medicine	2009-present
Innovations in Emergency Medicine Education (IEME) Committee Co-Chair	2009-2015
Introduction to Acute Care- UNC Medical School Charlotte Campus Course Director	2011-2014
Charlotte Longitudinal Integrated Curriculum Simulation Thread Director	2012-2014
Charlotte Curriculum Committee-University of North Carolina Medical School	2011-2014
CMC Intern Common Critical Care Curriculum-Co-Director	2011-2014
Director of Journal Club- Department of Emergency Medicine	2009-2014
Peer Reviewer- Simulation in Healthcare	2009-2014
House Staff Liaison Committee Member	2005-2008
CURRICULUM DEVELOPMENT	

Department of Emergency Medicine Simulation Curriculum

2008-2014

Over the last 3 years, my partner and I have collectively developed approximately 120 unique cases, based upon the Emergency Medicine Model of Clinical Practice, to be used in a unified three-year high-fidelity medical simulation curriculum for residents and students. These simulation topics include critical actions and address the ACGME core competencies in addition to procedural competencies. Also, we have implemented a novel design of hybrid simulation, using actors to portray family members of the simulated patient allowing the learner to have the most realistic opportunity to develop both clinical and deliberate communication skills. The hybrid simulation modality has been used to teach such IPR skills as death notification, medical error disclosure, and intimate partner violence screening and intervention. Each resident spends approximately 30 hours per year at the simulation center. Over the three years of development, these cases have been used to teach all learner levels, including medical students, residents, fellows and faculty.

Department of Emergency Medicine Intern "Resuscitation Boot Camp"

2010-2015

This yearly curriculum was developed to teach advanced resuscitation and team management skills to prepare graduating interns for the increased responsibilities associated with becoming upper level residents. Each intern has one-on-one deliberate practice at managing a code team and caring for critically-ill patients with small group debriefing from faculty.

Carolinas Medical Center Intern Critical Care Curriculum

2011-2014

This unique curriculum was developed for all interns caring for adult patients in the ICU at Carolinas Medical Center. It is comprised of 12 unique high-fidelity simulation cases with emphasis on patient management, procedural ability and teamwork and communication skills. Interns are required to demonstrate competence in the broad range of skills evaluated through this curriculum before being eligible to serve as an upper-level ICU resident. Over 50 interns from 6 different medical and surgical disciplines participate in this curriculum.

Charlotte Curriculum Committee/Longitudinal Integrated Curriculum Sub-committee 2011-2014
Carolinas Medical Center has been deemed an official satellite campus for the University of North Carolina (UNC) Medical School and has UNC medical students completing their third and fourth year rotations at CMC. I was chosen to be a part of the core curriculum planning committee, and was instrumental in developing the novel Charlotte Longitudinal Integrated Curriculum (CLIC) for Carolinas Medical Center.

INVITED INTERNATIONAL LECTURE

Social Media and Critical Care (SMACC) Conference- Dublin, Ireland 2016 "Remembering Rory: Sepsis and Learning From Error" based upon http://www.nytimes.com/2012/10/26/nyregion/tale-of-rory-stauntons-death-prompts-new-medical-efforts-nationwide.html

BIBLIOGRAPHY and RESEARCH ENDEAVORS

LaMantia J, Hamstra, S, Martin D, Searle N, Love J, Castaneda J, Aziz-Bose R, Smith M, Griswold-Therodorson S, **Leuck J**. Faculty Development in Medical Education Research: *Academic Emergency Medicine 2012; 19: 1462–1467*

Wang, H., Johnson, C., Robinson, R. D., Nejtek, V. A., Schrader, C. D., **Leuck, J**, et. al. Roles of disease severity and post-discharge outpatient visits as predictors of hospital readmissions. *BMC Health Services Research*. 2016;16:564. doi:10.1186/s12913-016-1814-7.

Wang, H Umejiego, J, Robinson, R, Schrader C, **Leuck, J**, et al. "A Derivation and Validation Study of an Early Blood Transfusion Needs Score for Severe Trauma Patients." J Clin Med Res. 2016;8(8):591-97.

Stroder, R, Leuck, J, et. al. "Learner feedback after teaching 'The Difficult Airway Course-Resident Version' at Muhimbili National Hospital, Dar es Salaam, Tanzania" International Conference of Emergency Medicine, Cape Town, South Africa: April 2014.

Leuck, J "Effect of Shift Work Fatigue on Clinical Performance of PGY-3 Emergency Medicine Residents as Measured During High Fidelity Simulation Cases". International Meeting for Socieity of Simulation in Healthcare, 2015.

Bullard, M; Bencken, C; Chiu, M; **Leuck, J**; et al. "Implementation of a Pediatric Mock Code Blue Program at a Tertiary Care Facility: Does it Improve Code Performance, Confidence, or Teamwork?" International Meeting for Society of Simulation in Healthcare, 2015.

Leuck J "Self-Reported Fatigue Scores by PGY-3 Emergency Medicine Residents on the Occupational Fatigue and Exhaustion/Recovery Scale: Does Gender Play a Role in Shift Related Fatigue": American College of Emergency Physicians, 2014

Leuck, J "Effect of Shift Work Fatigue on Clinical Performance of PGY-3 Emergency Medicine Residents as Measured During High Fidelity Simulation Cases:, Oral Presentation" JPS Research Day, 2014.- **Awarded Best Oral Presentation**

Leuck J, et al. "A Comparison of Performance for High-fidelity ACLS- based Simulation Cases for PGY-1 and PGY-3 Level Learners at Two Institutions:" JPS Research Day, 2014.

Leuck, J "Self-Reported Fatigue Scores by PGY-3 Emergency Medicine Residents on the Occupational Fatigue and Exhaustion/Recovery Scale: Does Gender Play a Role in Shift Related Fatigue?" JPS Research Day, 2014.

Bullard M, Leuck J, Howley L. "Transition in Critical Care from PGY1-2: Carolinas Healthcare System: Intern Simulation-Based Common Critical Care Curriculum". Innovations in Medical Education Didactic Session: Scientific Assembly of Emergency Medicine. May 2012.

Leuck J & Bullard M. "Curricular Advances in Resident and Medical Student Education- The Use of Dual-Modality Simulation to Practice Informing Patients and Families about Medical Error." Innovations in Medical Education Didactic Session: Scientific Assembly of Emergency Medicine. June 2011

Leuck J "Development of a New Teaching Tool for Intern Level Providers Based upon a Survey of the Usage of Reference Materials Among Clinician" Council of Residency Directors Meeting, 2008

"Advances in Simulation Symposium" Carolinas Medical Center, September 2009: Invited Panel Discussant

"Care of the Dying and Newly-dead-The Ethics of Perimortem Procedures in Medical Training and Continuing Education" Carolinas Medical Center June 2010: Invited Panel Discussant

"Implementation of a Pediatric Mock Code Blue Program at a Tertiary Care Facility: Does It Improve Code Performance?"

This study's goal is to measure the effectiveness of implementing a pediatric mock code program in a tertiary care center. Along with the other members of the research team, I facilitate and record approximately two mock codes per month in the Carolinas Medical Center Levine Children's Hospital. Educational feedback is provided as part of a hospital-wide educational curriculum. In addition, we are reviewing each mock code to calculate various metrics to answer the proposed research question. This is an IRB approved project and is currently ongoing.

"Impact of fatigue and sleep disruption on error frequency in simulated management of unstable dysrhythmias"

The purpose of this project is to identify differences in error rates among emergency medicine residents while performing critical actions for simulated cases of unstable dysrhythmias, observed at three separate fatigue states: 1) prior to starting a day shift after at least one rest day, 2) after a single 9-hour night shift, and 3) after three or more 9-hour night shifts—representing the primary comparator state. This project was funded through the Society of Academic Emergency Medicine and is currently ongoing.

BOARD CERTIFICATION AND LICENSURE

ABEM Board Certification- 2009 National Medical Board Step 1, Step 2, and Step 3 Advanced Cardiac Life Support Advanced Trauma Life Support Pediatric Advanced Life Support

REFERENCES

LETTERS FURNISHED UPON REQUEST

Jeffrey Kline, M.D.

Vice Chair of Research, Department of Emergency Medicine Indiana University 317-880-3900

Michael Gibbs, M.D.

Chair, Department of Emergency Medicine Carolinas Medical Center 704-355-3658

Sandy Craig, M.D.

Residency Program Director, Department of Emergency Medicine Carolinas Medical Center 704-355-3658

SAMIR NANGIA MD, FASN CURRICULUM VITAE

Home Address & Telephone

610 Fountainview Drive Irving, TX 75039

Cell Phone # (651) 503 – 0227 Email: samir.nangia@gmail.com

EDUCATION

2014 - Current	Physician Leadership Development Program (ACPE), Dallas, TX Certified Physician Executive
2009 - 2012	University of California, San Diego, CA Nephrology Fellowship
2006 - 2009	Medical College of Wisconsin (MCW), Milwaukee,WI Internal Medicine Residency
2002 - 2006	St. Georges Medical School, Grenada, West Indies M.D. in May, 2006
1999 - 2001	University of Minnesota, Twin Cities, MN B.S. in Chemical Engineering with emphasis in biology in May, 2001

EMPLOYMENT AND EXTRACURRICULAR ACTIVITIES

July 2016 – Current	Assistant Professor University of California San Diego -Working with senior Nephrology Fellows from UCSD teaching importance of physician leadership & introduction to Private Practice.
Feb 2015 – Current	Nephrology Business Leadership University (NBLU) -Co-Creator and Co-Course Director of NBLU Program for Senior Nephrology Fellows to gain better understanding of importance of both Leadership and Business in Medicine (NBLuniv.com).
Jan 2015 - Current	Doc Talk Live Radio Show – Dallas, TX -Co-Creator of Radio Show Doc Talk Live on 104.9 FM -Radio Show Host (doctalklive.com) -Medical Radio Show to help create health awareness in Dallas –Ft Worth -More than 200 guest physicians of various specialties have appeared on show
Aug 2012 - Current	Dallas Renal Group – Dallas, TX -Practicing Private Nephrologist – Partner 30 physician group -Joint Venture Partner - Eight Dialysis Clinics - Medical Director – Inpatient Acute Dialysis FMC
Jan 2012 – June 2012	 UCSD Medical School PBL Instructor – San Diego, CA Instructor for Problem Based Learning for 1st and 2nd year Medical Students Courses taught include Nephrology, Neurology, Microbiology and ENT
July 2011 – June 2012	 UCSD ER/Internal Medicine Hospitalist – San Diego, CA ER/Internal Medicine Hospitalist Managing medicine floor patients & supervising UCSD Housestaff

Nov 2010 – June 2012 UCSD Custody Medicine – San Diego, CA

- Assistant Physician
- Provide medical care for inmates in custody of San Diego Sheriff

Aug. 2001-Jan. 2002

ExxonMobil - Houston, TX

- Chemical Engineer in Strategic Sourcing
- Applying strategies to reduce cost, improve quality, & increase productivity

2000 – Present

American Board of Internal Medicine - Nephrology Board Member

- Selected to ABIM Nephrology Specialty Board – Philadelphia, PA

Medical Director Acute Inpatient Dialysis - Fresenius Medical Care

- Inpatient Dialysis Medical Director for five hospitals – Dallas, TX

Joint Venture Partner – US Renal Care & FMC

- Joint Venture Partner in ten dialysis clinics – Dallas, TX

Invited Speaker Pharmaceuticals

- Invited Speaker for Otsuka America Pharmaceutical Inc.
- Invited Speaker for Affymax, Inc. and Takeda Pharmaceuticals Inc.

Certified Physician Trainer for EPIC Electronic Health Record

Hospital Committees & Leadership

- Selected Chair Department Medicine Mansfield, TX
- Methodist Mansfield Quality Council Mansfield, TX
- Methodist Mansfield Antibiotic Committee Mansfield, TX
- Methodist Mansfield Leadership Committee Member Mansfield, TX
- Methodist Mansfield PCAR Committee Member Mansfield, TX
- University of California Ethics Committee Member San Diego, CA
- MCW Housestaff Welfare Committee Member Milwaukee, WI
- House Staff Representative Council Internal Milwaukee, WI

American Society of Nephrology

- Participated in ASN Residents Program Kidney Week 2008
- Serving on Practicing Nephrology Advisory Group (since 2012)
- Awarded Faculty American Society of Nephrology (FASN)
- Question Writer for ASN Kidney Self-Assessment Program (KSAP)
- Participated in Summit for Community Nephrologist ASN Headquarters
- Mentor for ASN Kidney Stars Program at Kidney Week 2014-16
- Served on Expert Panel for Residents at Kidney Week 2014
- Participated Strategic Listening Session at Kidney Week 2014
- Selected to Judge ASN "Innovations in Kidney Education Contest"

Teaching and Mentoring Activities:

- National Speaker on Leadership for Nephrology Fellows
- Instructor UTA Nurse Practitioner Program
- Working with RPA leaders to design a course for Junior Nephrologist in Nephrology "Fundamentals of Nephrology Practice"
- Question writer for Kidney Self-Assessment Program with ASN
- Instructor UCSD Clinical Transition for 2nd year Medical Students

- Involved in St. George's Alumni Mentorship Program
- Taught "Clinical Examination and Reasoning Course" to 1st and 2nd year Medical Students at MCW Milwaukee, WI
- Taught "American College of Physicians Workshop" to 3rd and 4th year Medical Students at MCW Milwaukee, WI
- Participated in "Medical Society of Milwaukee Pre-Med Mentoring Program" for undergraduate students at Marquette & Univ. of Wisconsin.
- Participated in the 1st Peritoneal Dialysis of Dolphin Sea World San Diego, CA

Community Involvement

- Awarded Health Care Hero Award 2017 Ft Worth Business Press
- Methodist Mansfield Run with Heart & Time Out for Health
- National Kidney Foundation "KEEP" Program
- Lakeview Hospital ER Stillwater, MN
- American Red Cross St. Paul, MN Chapter

Certification/Licensing

- Board Certified Internal Medicine: 2009-2019
- Board Certified Nephrology: 2011 2021
- Medical Board of California Certified #A106618 Active
- Medical Board of Texas Certified #P2042 Active

RESEARCH EXPERIENCE

- Guest Reviewer for Journal of Biomedicine and Biotechnology
- 1st Place West Regional NKF Young Investigator Forum, Basic Science

Presentations

 Presented at American Society of Nephrology: Kidney Week Philadelphia, PA; Nov 2011

Nephron Expression and Distribution of the Plasminogen Receptor, PLG-RKT, and Colocalization with ENaC and uPAR, in Murine Kidney. Samir Nangia, Hongdong Bal, William B. Kiosses, Volker Vallon, Lindsey A. Miles, and Robert J. Parmer. University of California, San Diego, CA USA.

 Presented at National Kidney Foundation National Meeting Las Vegas, NV; April 2011.

<u>Acute Oxalate Nephropathy From Intravenous Vitamin C Therapy.</u>
Samir Nangia, Meenakshi Verma. University of California, San Diego, CA USA.

Severe Hypocalcemia in A Hemodialysis Patient with Tertiary Hyperparathyroidism Samir Nangia, Scott Mullaney. University of California, San Diego, CA USA.

Rare Case Presentation of Renal Transplant Torsion: When Imaging is Non-Diagnostic Kim Tran, Samir Nangia. University of California, San Diego, CA USA.

Expression, Distribution, and Cellular Localization of the Novel Plasminogen Receptor in Murine Kidney. Samir Nangia, Hongdong Bal, William B. Kiosses, Volker Vallon, Lindsey A. Miles, and Robert J. Parmer. University of California, San Diego, CA USA.

 Presented at XXII International Congress of The Transplantation Society Sydney, Australia; Aug 2008. An Unusual Cause of Anuria Ten Years After Simultaneous Kidney-Pancreas Transplantation. Samir Nangia, Ehab R Saad. Medical College of Wisconsin, Milwaukee, Wisconsin, USA.

 Presented at National Kidney Foundation National Meeting Nashville, TN; March 2009.

Amphotericin B for Treatment of Concurrent Pulmonary Zygomycosis and Aspergillus in Kidney Tranplant Recepient. Sarah Rebecca Peglow, Samir Nangia, Ehab R Saad Medical College of Wisconsin, Milwaukee, Wisconsin, USA

 Presented at American College of Physicians National Meeting Philidelphia, PA; April 2009

<u>Two Infections and One Treatment</u>. Samir Nangia, Sarah Rebecca Peglow, Ehab R. Saad. Medical College of Wisconsin, Milwaukee, Wisconsin. USA.

Publications (*accepted for publication)

S Nangia, E Saad. Torsion of Renal Transplant Ten Years after Simultaneous Kidney-Pancreas Transplantation: Imaging as a Diagnostic Tool: Transplantation 2009; Volume 87 Issue 10 pg 1590.

L. Miles, N. Andronicos, E. Chen, N. Baik, H. Bai, C. Parmer, S. Lighvani, <u>S. Nangia</u>, W. Kiosses, M. Kamps, J. Yates, R. Parmer. Chapter 10: Identification of the Novel Plasminogen Receptor. In-Tech ed., Proteomics; Feb 2012.

S Nangia, S Mullaney. Severe Hypocalcemia in a Hemodialysis Patient: American Journal of Kidney Diseases; May 2012.

*H. Bai, **S. Nangia**, R. Parmer. The Plasminogen Activation System and the Regulation of Catecholaminergic Function: Journal of Biomedicine and Biotechnology.

Other Research Experiences

May 07 – June 09	Investigator – Department of Internal Medicine Retrospective cohort study to determine if physicians are reaching target LDL goals in an adequate time frame. Under Dr. Jeff Whittle, MD,MPH – Dept. of Internal Medicine VA Zablocki Medical Center, Milwaukee, WI
Mar. 04 – May 04 and May 03 – Aug. 03	Medical School Research Internship – Cardiology Clinical Trials involving drug eluting stents in treatment of coronary disease. Under Dr. Tom Henry, MD – Dept of Interventional Cardiology Minneapolis Heart Inst., Abbott Northwestern Hospital –Twin Cites, MN
June 02-Aug 02	Summer Research Assistant – Neuro-Oncology Bench Research requiring protein sequencing and drug testing of various Chemothearpy agents on Cancer Cell Lines Under Dr. Puduvali, MD - Dept. of Neuro-Oncology, MD Anderson Cancer Research Center - Houston, Texas
May 01-Aug 01	Summer Research Assistant – Anesthesia Investigations on Proper Dosage of Regional Anesthetics in Infants Under Dr. Belani, MD – Dept. of Anesthesia University of Minnesota – Twin Cities, MN

Professional Membership

2009 - Current – National Kidney Foundation

2009 - Current - American Society of Nephrology - Advisory Group Member

2015- Current – Renal Physicians Association (RPA)
2006 – 2009 – American College of Physicians
2002 – 2006 – American Medical Student Association

Outside Activities

- Hobbies include Baseball, Basketball, Swimming

- Interests include Traveling, Sports

Radio Show Host: Doc Talk Live

Swapan K. Nath, PhD, FCCM, FNAOME

3916 Willowbend Dr., The Colony, TX 75056 Cell: (972) 533-9082 swapannath@sbcglobal.net



KEY ACCOMPLISHMENTS & INTERESTS

- Fellow, National Academy of Osteopathic Medical Educators (FNAOME, since 2015)
 American Association of Colleges of Osteopathic Medicine, Chevy Chase, MD 20815
- National Faculty, National Board of Osteopathic Medical Examiners (NBOME; since 2009), Clinical Department of Foundational Biomedical Sciences – Division of Microbiology and Immunology
- *Author*, *Problem-based Microbiology*, Elsevier, 2005. A Case Studies book skillfully presented to promote active learning and review of medical microbiology in a conceptual framework with clinical relevance (ISBN-10: 0-7216-0630-X).
- Fellow, Canadian College of Microbiologists (FCCM), Ottawa, Canada. 2001-present
- AMSA Golden Apple Awards & Outstanding Medical Teacher awards (Medical Students' Classes of 2000-2004; 2006, & 2007)
- Self-published author of Problem-based Medical Microbiology: A Handbook for Medical Students, 2000 (ISBN-13: 978-0-7216-0630-9)
- Specialist in Clinical Microbiology (Laboratory Medicine), Certified by Canadian College of Microbiologists (SCM(CCM)), Ottawa, Canada (reciprocally certified by the American Board of Medical Microbiology, ABMM)
- *Scholarly Interests* Writing Case Studies in TBL and PBL Modules; Innovation in Medical Education; Data Mining to Advance Antibiotic Stewardship; Infection Control and Molecular Epidemiology.

LinkedIn Profile: https://www.linkedin.com/in/swapannath

EDUCATION/DEGREES

- **Doctor of Philosophy** (**Ph.D**.) @ University of Toronto (Microbiology/Molecular Biology), Toronto, Canada; Thesis: Regulation of Expression of Biotin Genes in *E. coli* K12 (1985)
- Post-MSc. Diploma (Biophysics) @ Saha Institute of Nuclear Physics, University of Calcutta, Calcutta, India (1979)
- Master of Science (M.Sc. Biochemistry) @ Science College, University of Calcutta, India (1976)
- Bachelor of Science (**B.Sc.** Hons. in Chemistry) @ Bangabasi College, University of Calcutta, India (1973)

ACADEMIC APPOINTMENTS

Feb. 1st 2016 – Present: Professor & Chair, Microbiology & Immunology

Arkansas Colleges of Osteopathic Medicine

7000 Chad Colley Blvd., Fort Smith, AR 72917

SUMMARY:

- Serve with strong combination of academic, scholarly research, and innovation in medical education.
- Developed/retooled a modified, active learning, integrated TBL program; developed a TBL curriculum driven by Seven Core Competencies/Outcome and innovation of medical education.
- Serving as a course director (Biomedical Essentials of Comprehensive Osteopathic Medicine, Semester III) and a co-course director (Integrated Biomedical Concepts, a TBL based course)
- Collaborate with other curriculum leaders regarding this content in the organ-system based pre-clerkship curriculum.
- Serving as a facilitator and facilitate active learning in the integrated, biomedical content (with clinical contexts) in the discipline of Medical Microbiology.
- Provide oversight and direction for the Department of Microbiology and Immunology's faculty and staff in planning, developing and implementing ARCOM's curriculum to ensure integration of biomedical science across disciplines and that all students have the potential to acquire competency in the AOA's established core competencies.
- Provide oversight and direction for the education and instruction of medical students and other health care profession students while providing mentorship and motivation for learning, research and scholarly activity in classroom environments, active learning groups, laboratory experience and research opportunities.
- Supervise and evaluate the performance of the Department's faculty and staff annually or as indicated by policy, report evaluations to the Associate Dean for Biomedical Sciences, make recommendations for discipline, promotion and recognition of the faculty and

- associated staff and develop a culture of excellence, continuous improvement and advancement for each of the faculty and staff members.
- Assign, direct, coordinate and integrate Department's faculty teaching schedule and load consistent with college policy.
- Provide administrative leadership, faculty mentorship and development for junior members of the faculty, staff and students.
- Provide service to the college community and students through serving on ARCOM and department committees, providing leadership, mentorship and expertise to students, participating in community outreach events, and with professional organizations or groups as assigned by the Dean.
- Assist the college in fulfilling its mission and vision through teaching, academic administrative duties as Department Chair, participate in community service and/or perform special duties as assigned.

2006 – 2015: Professor of Microbiology

College of Medicine (COM) & School of Pharmacy (SOP)

Lake Erie College of Osteopathic Medicine (LECOM) – Bradenton

Bradenton, FL 34211

SUMMARY:

- Served with strong combination of academic, scholarly research, and innovation in medical education.
- Reinvented/retooled a modified, active learning, integrated PBL program; developed a non-lecture-based PBL curriculum driven by Seven Core Competencies/Outcome and innovation of medical education.
- Collaborated with other curriculum leaders regarding this content in the organ-system based pre-clerkship curriculum
- Served as a facilitator of problem-based learning (in the COM), and team learning (in SOP)
- Mentored other Faculty in issues of PBL (predominantly) and TBL (minor role)
- Multitasking work included new PBL case constructions and review
- Excelled in small groups facilitation; mentored other faculty in small-group facilitation.
- Item writing (Microbiology/Immunology; institutional exams and NBOME); COMLEX/USMLE Board-Review Program.
- Served as Course Director, Medical Microbiology for P1 Pharmacy Students in PharmD program (4 credits) and the one-and-only Lecturer in this course.
- Skilled in coordination of stakeholders, curriculum and training module development, and overall facilitation of education research and education programs.
- Skilled in writing and publishing scholarly work on the areas of content expertise.
- Proficient in a wide range of computer operations and applications including Microsoft Windows, Microsoft Office (Word, Excel, PowerPoint), and Adobe Photoshop.

2001-2005 Senior Lecture & Course Director (& Clinical Microbiology Consultation)
University of Texas Southwestern Medical Center
Dallas, TX

SUMMARY:

- Served with strong combination of academic, scholarly research, and innovation in medical education.
- Developed/retooled a modular, system-based Microbiology/Immunology course.
- Collaborated with other curriculum leaders regarding this content in the organ-system based pre-clerkship curriculum in MS2 year.
- Excelled in small groups facilitation in CBL (Case studies); mentored other faculty in small-group facilitation.
- Developed and delivered a 23-hour laboratory component of the Microbiology course with Cases and Clinical-specimen Simulations.
- Item writing and Review of (Microbiology/Immunology; institutional exams and USMLE S1 of the NBME);
- Administered 20-30-hour Board-Review (Readiness) Program.
- Wrote and authored "Problem-based Microbiology as the "bridge text" to fill in the gaps between course syllabus and information-overload in the "Textbooks" of Medical Microbiology.

2000-2001 Professor of Microbiology

American University of the Caribbean (AUC) School of Medicine St. Maarten, D.W.I

1996-1999 Associate Professor of Microbiology

American University of the Caribbean (AUC) School of Medicine St. Maarten, D.W.I

SUMARY:

- Course Director, Medical Microbiology Course (6 credits), singly taught engaging sessions; with his creative skills.
- Initiated a case-based, discipline-specific, team-learning program involving small groups in large classrooms. A similar program was innovated and perfected by Dr. Larry Michaelson using RATS (individual and teams) and 4S Application Exercises, known now as TBL.
- Developed a ground-up hands-on, engaging microbiology laboratory, applying didactic learning in the classroom to benches, using cases and simulated body fluids as culture specimens.

1988-1995 Assistant Professor, Pathology McMaster University Hamilton, Ontario, Canada

SUMMARY:

• Clinical Microbiologist, Hamilton Civic Hospitals (Henderson Division); In addition to clinical laboratory services, work involved clinical research and professional education in undergraduate, graduate, postgraduate (infectious diseases/microbiology and pathology residency) programs.

- Tutored (facilitated) small groups of medical students in various units in Problem-based learning (PBL) curriculum of the McMaster U. School of Medicine.
- Gained an insight into the active learning pathway and innovative medical education program, established first time in 1969 here in McMaster, via training and co-tutorship (1987-1988).
- Gained experience and mastery in this innovative model based on a cyclical approach (involving: Problem and/or Patient, Definition of Questions, Information Seeking, Validation and Integration, Decision, Action, Preparation and Application, Reflection, and Evaluation) to learning medicine and becoming a life-long learner.
- Instructor, Continuing Education at Allied Health Sciences (Clinical Laboratory; 1990-1993) at Mohawk College, Hamilton, Ontario, Canada

1987-1988 Research Associate

Division of Infectious Diseases Hospital for Sick Children, Toronto, Canada

OTHER ACADEMIC & ADMINISTRATIVE TITLES

- 1. Board-Review Program Coordinator, COMLEX Board Review Program @ LECOM-Bradenton (2007-present)
- 2. Visiting Professor, St. Eustatius School of Medicine in DWI (2003)
- 3. Consultant, Pathology Laboratories, St. Maarten Medical Center, DWI (1996-2000)
- 4. Editorial Reviewer of Hospital Epidemiology & Infection Control (1993)
- 5. Coordinator, General Pathology Didactic Microbiology Program. McMaster University, Hamilton, Ontario, Canada (1992-1994)
- 6. Laboratory Medicine Specialist (Clinical Microbiology), Hamilton Health Sciences Laboratory Program; Hamilton, Ontario, Canada (1988-1995)

RECOGNITIONS & AWARDS

- Fellow, National Academy of Osteopathic Medical Educators (FNAOME) American Association of Colleges of Osteopathic Medicine, Chevy Chase, MD 20815
- National (Faculty) Member, National Board of Osteopathic Medical Examiners (NBOME), Clinical Department of Foundational Biomedical Sciences Division of Microbiology and Immunology
- Certificates of Service Recognition from National Board of Osteopathic Medical Examiners (NBOME) for construction of COMLEX L1 Items in the outstanding standing mentioned (2009-present).
- Outstanding Teacher, University of Texas Southwestern Medical School in Dallas, TX (Classes of 2006,2007)
- Certificate, Team Learning (TBL) in Medical Education; Faculty Development Workshop Baylor College of Medicine, Houston, TX (2002)
- AMSA Golden Apple Awards, American University of the Caribbean School of

- Medicine (Classes of 2000-2004)
- Certificate in Problem based Learning (PBL) in Medical Education; Faculty Development Program, McMaster University, Ontario, Canada (1988)
- Ontario Ministry of Health Fellowship in Clinical & Public Health Microbiology (fully funded for 2-year CPEP/University of Toronto –based training toward a Specialist Certification in Clinical Microbiology; 1995-1997)
- Outstanding Graduate Student Presentation. Annual Meeting of the American Society for Microbiology (ASM 1980-1982)
- Connaught (Graduate) Scholar, University of Toronto, Canada (1979-1980)
- **Atomic Energy Junior Research Scholar**, Saha Institute of Nuclear Physics, Calcutta, India (1976-1979)

Participation in National Medical Education Activities

- AACOM:
 - 2015: inducted to Fellowship, National Academy of Osteopathic Medical Educators (NAOME)
 - o 2016: one poster
 - o 2017: one concurrent seminar speaker
- IAMSE
 - o 2017: delivery of case construction workshop

National Board of Osteopathic Medical Examiners (NBOME)

- National Faculty, NBOME (2013-present)
- COMAT Foundational Biomedical Sciences Task Force (Exam Developer: Blueprints and Items; 2014 present)
- COMSAE Foundational Biomedical Sciences (Item reviewer; 2015 present)
- COLLEX L1 Microbiology and Immunology (Item writer; 2009 present)

Participation in Formal Activities and Proceedings of the NAOME

- Faculty Development:
 - o Mentoring (2015 present): two faculty in LECOM Bradenton
- Peer Evaluation
- Grant Review
- Academy Application Review
 - o 2017: five new applications and portfolios
- Award Application Review
 - o 2017: Poster and finalists judging

SCHOLARLY "GRADUATE/MEDICAL EDUCATION" ACTIVITIES:

- 2001-Present: **Ph.D. Thesis Examiner**: University of Calcutta (topics are related to and not exclusive of Molecular Microbiology)
- 2001-present: **Exam Items Writers** for National Board of Osteopathic Medical Examiners (NBOME) and National Board of Medical Examiners (NBME)
- 1997-present: **USMLE step I/COMLEX L1 Reviews (10-30 hours)** in Medical Microbiology at various National and International Academic Institutions:
 - o 2012-2014: Board Reviews in Basic Medical Sciences (3-week long) @ LECOM-Bradenton. Various modalities (online "oneliner exams"; iRAT/gRAT [TBL]) are used to facilitate students' comprehensive preparedness for the Board.
 - 2006-2012: Coordinated and presented Discipline-specific Board Reviews @
 LECOM-Bradenton. Offered crash course on Review of Medical Microbiology (8-32 hours)
 - o 2001-2005: **USMLE step I Reviews** in Medical Microbiology (10 hours each year in May) @ the U.T. Southwestern Medical School, Dallas, TX
 - o 2003: USMLE Step I Reviews (15 hours) in St. Eustatius School of Medicine in DWI
 - o 2002: Board Review **in Medical Microbiology** (30 hours) in St. Eustatius School of Medicine in DWI (also administered an exam similar to USMLE step I)
- 2004: 10th **Microbiology & Immunology Educational Strategies** Workshop; Myrtle Beach; organization committee; Chair of the session on "Integrated curriculum vs discipline based curriculum" in the Medical Schools
- 2003: Innovation in Medical Education Workshop. Presentation of "CBL of Microbiology using Web Curriculum" @ UT Southwestern Medical School, Dallas, TX
- 2002: 9th **Microbiology & Immunology Educational Strategies** Workshop in Myrtle Beach; organization committee; Chair of the session on "To do or not to do Microbiology Laboratory in the Medical Schools"
- 2002: **Team-based Learning (TBL): an Alternative Teaching Modality** (a FIPSE funded Faculty Development Program at the Baylor College of Medicine, Houston, TX)

MEMBERSHIP

PROFESSIONAL SOCIETIES:

- American Society for Microbiologists (ASM; 1981-present)
- Canadian College of Microbiologists (CCM; 1995-present)
- Team Based Learning Collaborative (TBLC; 2013-present)
- National Academy of Osteopathic Medical Educators (NAOME), c/o AACOM (2014-present)
- American Medical Schools Microbiology and Immunology Chairs (AMSMIC; 2016 present)

• International Association of Medical Sciences Educators (IAMSE; 2016 – present)

Arkansas College of Osteopathic Medicine (ARCOM)

- Member, Curriculum Committee (2016-present)
- Faculty Search Committee (2016-present)
- Institutional Review Board (2016-present)
- Research Committee (2016-present)
- Student Progress Committee (2016-present)

LECOM-Bradenton

- Member, PBL Director Search Committee (2014)
- PBL Case Review Committee (2007-2014)
- Member, Curriculum Committee (2010-2013)
- Member, Curriculum Committee (2006-2007)
- Secretary, Curriculum Committee (2007-2008)
- PBL Executive Committee (2007-2008)
- Research Committee (2006-2007)

Advisor, Christian Medical & Dental Students' Association (CMDA), LECOM Chapter (2007-pesent)

UT Southwestern Medical Center

- LCME Accreditation Committee (2004)
- Basic Medical Sciences Integration Committee (2003-2005)
- 2nd year Course Directors' (MPPCE Courses) Group (2001-2005)
- Curriculum Committee (2001-2004)
- Ethics and Promotions Committee (2001-2005)

AUC School of Medicine

- Curriculum Committee (1996-2000)
- Ethics & Promotion Committee (1998-2000)

McMaster University

- Infection Control Committee, Henderson General Hospital (1989-1994)
- Member, Hamilton Health Sciences Laboratory Medicine Working Group (1988-1994)

CLINICAL BOARD CERTIFICATION

- **Specialist in Clinical Microbiology**, Canadian College of Microbiologists (SCM (CCM)), reciprocated in the USA by the ABMM as a Diplomate (1994-2001)
- Fellow, Canadian College of Microbiologists (FCCM), Ottawa, Canada. 2001-present

HEALTH-CARE PROFESSIONAL TRAINING/ CERTIFICATION

- Visiting Scientist, Molecular Methods for the Clinical Microbiology Laboratory, University of Ottawa, Ontario, Canada (1992)
- Visiting Scientist, Molecular Epidemiology Technologies, Central Public Health Laboratory, Colindale, London, UK (1991, 1992)
- ACCME Certificate, Biotechnology in Public Health, Harvard School of Public Health, Boston, Massachusetts (1989)
- Clinical Laboratory Scientist Training, American Academy of Microbiology; Committee of Post-Doctoral Education Program (CPEP), Toronto-area Hospitals, University of Toronto (1985-1987)
- Research Associate, Pediatric Infectious Diseases. Hospital for Sick Children, Toronto, Canada. Study area: Cell culture and Animal model of Group B streptococcal infection (1983-1985)

GRANT SUPPORT

- McMaster University Pathology Research Student Support Grant: "Antibiogram and Epidemiology of Bloodstream Isolates from Cancer Patients", \$27,000 (PI; 1993)).
- Merck Sharp Dome Industry Grant: "Antimicrobial activity of ceftriaxone vs. cefotaxime against Gram-negative Bacterial Isolates from ICU and Cancer Patients", \$21,000; 2000)
- Hamilton Health Sciences Laboratroy Program. Innovation in Lab Medicine Initiative grant: "Molecular Epidemiology of Health-care related Infections and Infectious Agents", Dec 1988; \$39,000. (PI; 1988))

PUBLICATIONS Books:

Clinical Microbiology: A Short Course (an integrated text for medical students' review of system-based, high-yield contents in Microbiology and Pharmacology of Anti-Infective Agents, for the USMLE and COMLEX Exams) – Work in Progress for eBook.

Problem-based Microbiology (a Problem-based Study Series opener) Swapan K. Nath, Ph.D., FCCM & Sanjay Revankar, MD (1st edition; 2006) 524 pages; illustrated; multi-color images; Saunders (Elsevier); ISBN: 072160630X **Problem-based Medical Microbiology: A Handbook for Medical Students** Swapan K. Nath (September 2000) 465 pp.; illustrated; Self Publication; ISBN: 0968711200

Original Clinical Research

Nath, S.K., B. Shea, S. Jackson, and C. Rotstein. 1995. Ribotyping of nosocomial methicillin-resistant *Staphylococcus aureus* isolates from a Canadian hospital. *Infection Control Hospital Epidemiology* 16:717-724.

Nath, S.K., G.A. Foster, L.A. Mandell and C. Rotstein. 1995. Antimicrobial activity of ceftriaxone compared with cefotaxime in presence of serum albumin. *Canadian Journal of Infectious Diseases* **6**:21-27.

Nath, S.K., S. Salama, D. Persaud, J.H. Thornley, I. Smith, G.A. Foster, and C. Rotstein. 1994. Drug risk factors associated with a sustained outbreak of *Clostridium difficile* diarrhea in a teaching hospital. *Canadian Journal of Infectious Diseases* **5**:270-275.

Nath, S.K., J.H. Thornley, M. Kelly, B. Kucera, S.L.W. On, B. Holmes, and M. Costas. 1994. A sustained outbreak of *Clostridium difficile* in a general hospital: persistance of a toxigenic clone in four units. *Infection Control Hospital Epidemiology* **15**: 382-389.

Nath, S.K., G.A. Foster, L.A. Mandell and C. Rotstein. 1994. Antimicrobial activity of ceftriaxone vs. cefotaxime: negative effect of serum albumin binding of ceftriaxone. *Journal of Antimicrobial Chemotherapy* **33**:1239-1243.

Costas, M., B. Holmes, S.L.W. On, M. Ganner, M.C. Kelly, and **S.K. Nath**. 1994. Investigation of an outbreak of *Clostridium difficile* infection in a general hospital by numerical analysis of SDS-PAGE protein patterns. *Journal of Clinical Microbiology* **32**:759-765.

Original Basic Research

Nath, S.K. 1988. Invasion of HeLa cells by β-hemolytic group G streptococci. *Can. J. Microbiol.* **33**:515-517.

Nath, **S.K.** 1988. Attenuation of transcription of biotin genes in *Escherichia coli*. *Can J. Microbiol*. **34**: 1288-1296.

Nath, S.K., and A. Guha. 1982. Termination of *bioBFCD* RNA synthesized in vitro from the bioA:BFCD operon of Escherichia coli K-12. *Proc. Natl. Acad. Sci.* USA. **79**: 1786-1790.

Oral Presentations (incomplete)

Nath, S.K.. A sustained outbreak of *CDAD* in a general hospital. 2nd International Meeting of Biotechnology & Infection Control. December, 1991, Rhodes, Greece.

Nath, S.K.. Delineation of an epidemic clone associated with an outbreak of *CDAD* by SDS-PAGE and dendrogram analysis. 2nd International Meeting of Biotechnology & Infection Control. December, 1991, Rhodes, Greece.

Nath, S.K.. An outbreak of *Clostridium difficile*-associated diarrhea in a general hospital. 1st Western Pacific Congress on Infectious Diseases & Chemotherapy. February 21-24, 1989, Kuala Lumpur, Malaysia.

Nath, S.K., and A. Guha. Termination of *bioBFCD* RNA synthesized in vitro from the *bioA:BFCD* operon of *Escherichia coli* K-12. 81st Annual General Meeting of the American Society of Microbiology. May 1981, New Orleans, LA.

Posters

N. Zaveri, T.A. Nolan, M. Coty, and **S.K. Nath**: Problem Based Learning (PBL) in Medical Education: What is PBL, how and why does it work? 2016 AACOM Annual Conference in Washington DC, April 6-9, 2016.

Nath, S, Longley, R. Innovation in Application Exercise with incentives and timeliness in a microbiology course for Pharmacy Students. 14th Annual TBLC Conference (March 2015), in St. Petersburg, Florida

Nath, S.K., B. Shea, S. Jackson, Thornley, J. and C. Rotstein. Ribotyping of nosocomial methicillin-resistant *Staphylococcus aureus* isolates from a Canadian hospital. 94th Annual General Meeting of the American Society of Microbiology. May 1994, Las Vegas, NV

(**incomplete**: not included info on Abstracts (posters/slides presentations) from several National and international meetings in Canada, USA and Europe and South East Asia, during 1987-2001).

Workshop Leader & Presentations:

"Preparing students to integrate biomedical sciences into the clinical clerkship years." Presented, in a Concurrent Session with LECOM and NYIT-COM, at the Annual meeting of the AACOM, April 26-29, 2017 @ Baltimore, MD.

"Evidence-Based Active Learning: How to Create Engaging, Interactive Cases in Basic Sciences." Accepted for a Group (Workshop) Presentation and Workshop, 90 minutes) (LECOM and NYIT-COM) at the Annual Meeting of the IAMSE, June 10-13, 2017 @ Burlington, VT.

Microbes and Drugs: Must-Know Knowledge for Student Physicians and Others. A STEM Series Seminar; November 8, 2016 @ University of Arkansas Fort Smith (UAFS).

Integration vs Discipline-specific Learning in Microbiology Courses. AMSMIC 12th Educational Strategies Workshop. May 2004, Myrtle Beach, S. Carolina.

Utilization of Hands-on Laboratory (Microscopy & Cultures) in Microbiology Courses. AMSMIC 11th Educational Strategies Workshop. May 2002, Myrtle Beach, S. Carolina.

Biotechnology & Infection Control. At the Annual Meeting of the Canadian Association for Clinical Microbiology and Infectious Diseases. December 1992, Toronto, Canada.

Chair, Slides Session on "SDS-PAGE & Dendrograms to delineate Outbreaks". 2nd International Meeting of Biotechnology & Infection Control. December, 1991, Rhodes, Greece.

Molecular Microbiology in Infection Control. At the Annual Meeting of the Canadian Association for Clinical Microbiology and Infectious Diseases. December 1991, Quebec City, Canada.

ERIN M. NELSON, PSY.D.

(Updated: January 2017)

Mailing 2415 East Camelback Road, Suite 700

Address: Phoenix, Arizona 85016

P: 480.250.4601

E: drerinmn@gmail.com

Licensure: Arizona – License #3697

California – License #PSY25135 New Mexico – License #1367

Professional & Clinical

Positions:

Forensic and Clinical Psychologist

Scottsdale, Arizona

Century City, California January 2005 - Present

Steven Pitt & Associates

Director, Behavioral Sciences Curriculum

University of Arizona College of Medicine – Phoenix

November 2010 – Present

Director, School Training

Threat Assessment Group, Inc. (TAG)

Newport Beach, California

June 2011 - Present

Teaching
Appointments:

Associate Professor, Psychiatry

Appointments: The University of Arizona College of Medicine – Phoenix

July 2016 – Present

Associate Professor, Bioethics and Medical Humanism The University of Arizona College of Medicine – Phoenix

July 2016 - Present

Clinical Assistant Professor, Psychiatry

Louisiana State University School of Medicine - New Orleans

July 2003 - Present

Consulting Positions:

Phoenix Police Department

Family Investigations Bureau, Missing Persons Unit

Phoenix, Arizona

November 2008 - Present

Park Dietz & Associates (PD&A), and Threat Assessment Group, Inc. (TAG)

Newport Beach, California

April 2002 - Present

Committee Appointments Executive Team - Curricular Evaluation

Appointments: University of Arizona College of Medicine - Phoenix

May 2015 - Present

First Responder Traumatic Incident Support and Response Task Force

City of Phoenix

November 2014 - Present

Theme and Topic Management Team (Chair)
University of Arizona College of Medicine - Phoenix
June 2013 – Present

Curriculum Committee University of Arizona College of Medicine - Phoenix December 2012 – Present

Admissions Committee - Selection Subcommittee University of Arizona College of Medicine - Phoenix June 2011 - Present

Education:

Doctor of Psychology, Clinical Psychology Argosy University, Phoenix, Arizona July, 2003

Master of Arts, Clinical Psychology Argosy University, Phoenix, Arizona June, 2000

Master of Arts, Clinical Psychology Sam Houston State University, Huntsville, Texas December, 1996

Bachelor of Arts, Psychology Arizona State University, Tempe, Arizona May, 1992

Honors:

Honoree: Arizona Foothills Magazine; Women who Move the Valley; January 2009

Certificate of Merit: American Psychological Association Division 18, Psychologists in Public Service; May 2002

Outstanding Advocacy Award: Argosy University;

May 2002

Magna Cum Laude Graduate, Arizona State University; May 1992 **Professional** American Psychological Association

Affiliations: Division 18: Psychologists in Public Service

Division 41: American Psychology-Law Society

Arizona Psychological Association California Psychological Association American Correctional Association

Association for Behavioral Sciences & Medical Education

Past Director, Special Projects
Professional Steven Pitt & Associates

and Clinical Forensic and General Psychiatry **Positions:** December 1993 – August 2003

Associate Clinical Psychologist, III

Texas Department of Criminal Justice, Institutional Division

University of Texas Medical Branch

Huntsville, Texas

April 1997 - June 1998

Clinical Case Manager

Community Partnership for Behavioral Health Care

Phoenix, Arizona 85029 October 1992 - August 1994

Past Assistant Professor, Psychiatry

Teaching The University of Arizona College of Medicine – Phoenix

Appointments: October 2011 – July 2016

Assistant Professor, Bioethics and Medical Humanism The University of Arizona College of Medicine – Phoenix

April 2014 – July 2016

Clinical Assistant Professor

Clinical Psychology Program, College of Health Sciences

Midwestern University School of Medicine

August 2008 - February 2011

Associate Adjunct Faculty

Arizona School of Professional Psychology

Phoenix, Arizona

August 1999 - August 2000

Graduate Teaching Assistant

Arizona School of Professional Psychology

Phoenix, Arizona

April 2000 - July 2000

Past Consulting Positions: Baseline Serial Killer Task Force Phoenix Police Department

Phoenix, Arizona

July 2006 – December 2006

Phoenix Police Department - Homicide Division

Phoenix, Arizona

July 2003 – November 2008

Arizona Response Crisis Team Arizona Department of Public Safety Phoenix, Arizona June 2002 – January 2005

Threat Assessment Group, Inc. Newport Beach, California Research Director, Columbine Psychiatric Autopsy Project April 2001 – 2002

Joel A. Dvoskin, Ph.D., A.B.P.P. (Forensic) Forensic and General Psychology Tucson, Arizona August 1998 – October 2003

Centers for Disease Control and Prevention Macro International Calverton, Maryland Youth Risk Behavior Survey Time-limited research: February - April 1997

Training:

Professional Program in Neuropsychological Assessment University of California Berkeley Behavioral Health Sciences Extension Berkeley, California April 2013 - May 2015

Postdoctoral Fellow Steven Pitt & Associates Forensic and General Psychiatry Clinical Supervisor – Deborah Lewis, Ph.D. Scottsdale, Arizona August 2003 – January 2005 Psychology Intern Louisiana State University Health Sciences Center School of Medicine – New Orleans Department of Psychiatry, Division of Psychology New Orleans, Louisiana July 2002 – June 2003

Psychology Intern
United States Department of Justice
Federal Bureau of Prisons
Federal Correctional Institution and Federal Prison Camp
Phoenix, Arizona
September 2000 - July 2001

Psychology Intern Maricopa Integrated Health System Maricopa Medical Center Inpatient Psychiatric Annex Phoenix, Arizona September 1999 - July 2000

Counselor Intern
Texas Department of Criminal Justice
Institutional Division
University of Texas Medical Branch
Wynne Unit, Huntsville, Texas
August 1996 - December 1996

Research Positions:

Graduate Research Assistant Sam Houston State University

Department of Psychology, Huntsville, Texas

Forensic Research Grant

Master's Thesis: <u>Bale, E.M.</u> (1996) Reliability of Criteria Based Content Analysis as Applied to Alleged Cases of Child Sexual Abuse.

<u>ibuse</u>.

July 1995 - December 1996

Graduate Assistant
Sam Houston State University
Division of Health and Kinesiology, Huntsville, Texas
Grant funded by the Texas Commission on Alcohol and Drug
Abuse (TCADA)
July 1995 - December 1996

Past: Eastern Region Designated Representative

Internal Audit/Review Board Committee

Appointments: Texas Department of Criminal Justice, Institutional Division

University of Texas Medical Branch - Correctional Managed Care

June 1997 – June 1998

Unit Post-Trauma Support Team, Crisis Response Division Texas Department of Criminal Justice, Institutional Division University of Texas Medical Branch - Correctional Managed Care

June 1997 – June 1998

Presentations: Nelson, E.M. & Pitt, S.E.: Forensic Files – Behavioral Sciences and the Law. University of Arizona College of Medicine - Phoenix Mini-Medical School Community Lecture Series, Phoenix, Arizona, May 2016

> Nelson, E.M.: The Art & Science of Human Behavior. Arizona Association of Certified Fraud Examiners, AZ ACFE Spring Conference, Phoenix, Arizona, April 2016

Manriquez, M., Mendez, M.D., Nelson, E.M., Venegas, V., Page, A.S.: Screening for Sex Trafficking: Using Standardized Patients to Teach Residents and Students During Ob-Gyn Objective Standardized Clinical Examination (OSCE) Sessions. The Big and Not So Easy, Today's Challenges in Medical Education – 2016 Council on Resident Education in Obstetrics and Gynecology, Association of Professors of Gynecology and Obstetrics; New Orleans, Louisiana, March 2016

Nelson, L.R., Nelson, E.M. & Barcellona, D.S.: Integration of Basic Science with Behavioral Science and Ethics Material in the Preclinical Curriculum covering Sexuality, Gender Identity and Reproduction. Sex and Gender Medical Education Summit -Mayo Clinic School of Continuous Professional Development; Rochester, Minnesota, October 2015

Hartmark-Hill, J., Nelson, E.M. & Gardner, A.: Interprofessional Integration and the Program for Narrative Medicine and Medical Humanities at the University of Arizona College of Medicine – Phoenix. Association for Behavioral Science in Medical Education - IPECP: Linking the Arts and Sciences to Promote Patient-Centered Care; Minneapolis, Minnesota, October 2015

Nelson, E.M. & Standley, E.S.: Art in Medicine: Structured Observation and Patience Care. <u>Association for Behavioral Science in Medical Education – IPECP: Linking the Arts and Sciences to Promote Patient-Centered Care</u>; Minneapolis, Minnesota, October 2015

Pitt, S.E. & Nelson, E.M.: Mass Shooters and Mental Illness: Fact vs. Fiction. Arizona Osteopathic Medical Association, 34th Annual Fall Seminar - Back to Basics; Tucson, Arizona, November 2014 Nelson, E.M., Hartmark-Hill, J., Lundy, M., Sell, M., Shepherd, T, Bonifas, R., Coplan, B., Babock, E. & Sayles, J. Cultural Sensitivity, Communication and the Interprofessional Healthcare Team: An Inter-Institutional Collaboration. Association for Behavioral Science in Medical Education - The Behavioral Science of Interprofessional Education: Confronting Issues of Hierarchy and Power; Newport Beach, California, October, 2014

Nelson, E.M. & Dvoskin, J.A.: Campus Violence Prevention. College and University Professional Association for Human Resources 2014 Conference; Prescott, Arizona, June 2014

Nelson, E.M.: A Transportation Safety Culture – Why Aren't We There Yet? Arizona Department of Public Safety, Arizona Department of Transportation Strategic Highway Safety Summit. Phoenix, Arizona, November 2013

Restifo, K., Nelson, E.M., Dietz, P., & Nicholson, C.: Threat Assessment in the Medical School Environment – What is Being Done, What Should be Done, What Can be Done. <u>AAMC Western Regional Conference</u>, <u>University of California School of Medicine</u>; Irvine, California, May 2013

Nelson, E.M.: Promising Practices in Threat Management. <u>Tennessee Department of Education, School Safety Summit;</u> Nashville, Tennessee, January 2013

Nelson, E.M.: Violence Prevention at School. <u>Tennessee School Personnel Officer's Association</u>; Nashville, Tennessee, October 2012

Nelson, E.M.: Keeping Schools Safe. <u>Tennessee School Plant</u> Managers Association; Murfreesboro, Tennessee, June 2012

Nelson, E.M.: Postvention Lessons from the Columbine Tragedy. <u>State of Tennessee, Safe Schools Conference</u>; Nashville, Tennessee, April 2012

- Nelson, E.M.: Supporting a Safe and Respectful School A Program to Train Supervisors, Managers, and Administrators. <u>Threat Assessment Group, Inc. & The Tennessee Department of Education, Office of School Safety</u>; Nashville, Tennessee, February 2012
- Pitt, S.E., Nelson, E.M.: Child Abduction and Murder: What Happens After the Arrest? <u>Arizona Missing Persons Association</u>; Glendale, Arizona, November 2011
- Dvoskin, J.A. & Nelson, E.M: Assessing Risk for Violence. <u>Arizona Psychological Association 2011 Annual Conference: Together Through Challenge and Change</u>; Scottsdale/Fountain Hills, Arizona, October 2011
- Nelson, E.M.: Supporting a Safe and Respectful School A Program to Train Supervisors, Managers, and Administrators. Threat Assessment Group, Inc. & The Tennessee Department of Education, Office of School Safety; Knoxville, Tennessee, August 2011; Jackson, Tennessee, August 2011; Nashville, Tennessee, September 2011
- Nelson, E.M. & Culbertson, K.: Clinicians and the Court. <u>Arizona Psychological Association 2010 Annual Conference: Advancing the Profession of Psychology Diversity, Relevancy and Collaboration</u>; Tucson, Arizona, October 2010
- Nelson, E.M: Psychology and the Law: Expert Consultation in Criminal Cases. <u>Pima County Bar Association</u>; Tucson, Arizona, May 2010
- Pitt, S.E. & Nelson, E.M.: Information Gathering: The Forensic Psychiatric Evaluation and Beyond...Strategies to Maximize Success. Forensic Trends: Psychiatric and Behavioral Issues; Las Vegas, Nevada, May 2010
- Pitt, S.E. & Nelson, E.M.: Media and Forensic Psychiatry: Practical Considerations. <u>Forensic Trends: Psychiatric and Behavioral Issues</u>; Las Vegas, Nevada, May 2010
- Pitt, S.E. & Nelson, E.M.: The Forensic Psychiatric Evaluation: Civil and Criminal Case Applications. <u>Arizona Paralegal</u> <u>Association</u>; Phoenix, Arizona, May 2010

- Nelson, E.M & Pitt, S.E.: Forensic Psychiatric and Psychological Expert Consultation in Criminal Cases. <u>Maricopa County Bar Association</u>. Phoenix, Arizona, March 2010
- Pitt, S.E. & Nelson, E.M.: Behind Closed Doors: Understanding the Human Side of Hoarding. <u>Petsmart[®] Charities Feline Forum</u>; Chicago, Illinois, September 2009
- Stefan, S., Joyce, M., Dvoskin, J.A., Nelson, E.M. & Pitt, S.E.: Right to Refuse Medication Hearings. <u>National Association for Rights Protection and Advocacy Conference</u>; Phoenix, Arizona, September 2009
- Pitt, S.E. & Spiers, E.M.: Difficult Physician Behavior: The Role of the Forensic Psychiatric Evaluation. <u>Arizona Health Care Lawyers</u> Association; Phoenix, Arizona, May 2009
- Pitt, S.E., Spiers, E.M. & Hayes, J.: Back to Basics: The Independent Forensic Evaluation. <u>Office of the Arizona Attorney</u> General; Phoenix, Arizona, March 2009
- Pitt, S.E., Spiers, E.M. & Hayes, J.: Back to Basics: The Art of Interviewing. <u>Arizona Psychiatric Society 2007 Spring Scientific Conference</u>; Scottsdale, Arizona, April 2007 Pitt, S.E., Hayes, J. & Spiers, E.M.: Links Between Animal Cruelty and Violence Toward People. <u>Arizona Humane Society, Law Enforcement Animal Protection Program</u>; Phoenix, Arizona, March 2007
- Pitt, S.E., Dietz, P.E., Dvoskin, J.A. & Spiers, E.M.: The Importance of Video Recording Forensic Evaluations. <u>American Academy of Psychiatry and the Law, 35th Annual Meeting</u>; Scottsdale, Arizona, October 2004
- Spiers, E.M.: Understanding Psychological Evaluations. <u>Arizona</u> <u>Bar Association Annual Conference</u>; Scottsdale, Arizona, June 2004
- Spiers, E.M., Dvoskin, J.A., Pitt, S.E., Dietz, P.E. & Walker, R.P.: Columbine: Understanding Why Implications for Psychologists. American Psychology-Law Society Annual Conference; Scottsdale, Arizona, March, 2004
- Spiers, E.M.: Introduction to Forensic Mental Health. <u>Louisiana</u> <u>State University School of Medicine – New Orleans</u>; New Orleans, Louisiana, January, 2004

- Pitt, S.E., Dietz, P.E., Dvoskin, J.A., Spiers, E.M., Walker, R.P., & Kurtis, B.: Columbine: Understanding Why. <u>American Academy of Psychiatry and the Law, 34th Annual Meeting</u>; San Antonio, Texas, October, 2003
- Spiers, E.M.: Psychological Autopsy: Methods, Procedures, and Indications. <u>Louisiana State University Health Sciences Center, Grand Rounds</u>; New Orleans, Louisiana, October, 2003
- Spiers, E.M.: The Columbine Psychiatric Autopsy A Videotape Presentation. <u>The New Orleans Adolescent Hospital</u>; New Orleans, Louisiana, June 2003
- Pitt, S.E., Spiers, E.M. & Dvoskin, J.A.: What has been learned from Columbine: The signs that were missed and how this can be avoided in our own backyards. Mental Health Association of Arizona, Arizona Department of Health Services Division of Behavioral Health. 15th Annual Seeds of Success Symposium; Phoenix, Arizona, October 2002
- Pitt, S.E. & Spiers, E.M.: Trauma and Crisis Response: Expectations and Interventions. <u>Arizona Coalition for Victim Services, Arizona Response Crisis Team (ARCT)</u>; Phoenix, Arizona, June 2002
- Pitt, S.E. & Spiers, E.M.: Trauma and Crisis Response: Expectations and Interventions. <u>Arizona Coalition for Victim Services, Arizona Response Crisis Team (ARCT)</u>; Phoenix, Arizona, April 2002
- Spiers, E.M.: Mass Media and Interpersonal Violence: Influence and Implications. <u>Midwestern University College of Medicine</u>; Glendale, Arizona, March 2002
- Pitt, S.E. & Spiers, E.M.: Dangerousness and Firearms: Assessing the Risk for Violence in Teens and Adults. <u>Midwestern University College of Medicine</u>; Glendale, Arizona, November, 2000
- Pitt, S.E. & Spiers, E.M.: Assessing the Risk for Domestic Violence. Arizona School of Professional Psychology Survey of Forensic Psychology; Phoenix, Arizona, November, 2000
- Dvoskin, J.A. & Spiers, E.M.: Violence and Mental Illness. <u>Vernon State Hospital</u>; Denton, Texas, November, 2000

- Dvoskin, J.A. & Spiers, E.M.: Preventing Suicide in Adult Prisons. Georgia Department of Corrections; Atlanta, Georgia, October, 2000
- Pitt, S.E. & Spiers, E.M.: Necrophilia and Necrosadism: Identifying and Assessing the Offender. <u>Mesa Community College, Department of Mortuary Science</u>; Mesa, Arizona, October, 2000
- Spiers, E.M.: Youth and Violence: Juvenile Firesetting. <u>Arizona State University Department of Criminal Justice</u>; Tempe, Arizona, April, 2000
- Spiers, E.M.: The Psychologist's Role in Corrections. <u>Peoria Unified School District, Cactus High School, Elective Law;</u> Glendale, Arizona, February, 1999
- Pitt, S.E. & Spiers, E.M.: Searching for Mental Illness in Firesetters. Maricopa County Attorney's Office Arson Investigation Seminar; Mesa, Arizona, February, 1999
- Pitt, S.E. & Spiers, E.M.: Toward an Understanding of Infant Murder. Northern New Jersey Maternal Child Health Consortium Hot Topics in Obstetrics and Pediatrics V; West Orange, New Jersey, November, 1998
- Spiers, E.M.: Toward an Understanding of Serial Murder. <u>Mesa Community College, Department of Criminal Justice</u>; Mesa, Arizona, October, 1998
- Spiers, E.M.: Career Directions in the field of Psychology. Paradise Valley Unified School District, North Canyon High School, Advanced Psychology; Paradise Valley, Arizona, September, 1998
- Bale, E.M.: The Clinical Assessment of Feigned versus Actual Mental Illness. <u>Texas Department of Criminal Justice/University of Texas Medical Branch, Eastern Regional Continuing Education Seminar</u>; Huntsville, Texas, October, 1997
- Bale, E.M.: Suicide Risk Assessment and Prevention: <u>Texas</u>
 <u>Department of Criminal Justice/University of Texas Medical</u>
 <u>Branch. Bi-monthly training of new employees and correctional officers</u>; October 1997 June 1998

Pitt, S.E. & Bale, E.M.: Neonaticide, Infanticide, and Filicide: Two Case Reports and Review of the Literature. <u>Good Samaritan</u> Regional Medical Center, Department of Psychiatry, Grand Rounds Presentation; Phoenix, Arizona, May, 1995

Pitt S.E. & Bale, E.M.: Women who Murder Their Children. American College of Neuropsychiatrists' Mid-year Meeting and Scientific Seminar; Phoenix, Arizona, April, 1995

Pitt, S.E. & Bale, E.M.: Post-Traumatic Stress Disorder and DSM-IV: For Better or For Worse? <u>Arizona Trial Lawyers Association;</u> <u>Medical Experts Speak: A Melange of Riveting Medical Topics;</u> Phoenix, Arizona, December, 1993

Pitt, S.E. & Bale, E.M.: The Diagnosis and Treatment of Depression for the Family Practitioner. <u>Phoenix General Hospital and Medical Center</u>; Phoenix, Arizona, September, 1993

Pitt, S.E. & Bale, E.M.: Confidentiality and Privilege: Are you Protecting Your Patient's Rights? 71st Annual Arizona State Osteopathic Medical Association Convention; Phoenix, Arizona, April, 1993

Pitt, S.E. & Bale, E.M.: Preparing for Courtroom Testimony. 71st Annual Arizona State Osteopathic Medical Association Convention; Phoenix, Arizona, April, 1993

Publications:

Kane, A.W., Nelson, E.M., Dvoskin, J.A., & Pitt, S.E. (2012) Evaluation for Personal Injury Claims. In R. Roesch & P.A. Zapf (Eds.). Forensic assessments in criminal and civil law: A handbook for lawyers. NY: Oxford University Press.

Dvoskin, J.A., Pitt. S.E., Dietz, P.E., Spiers, E.M. & Walker, R.P. (2008) Making America's Schools Safer www.teachSafeSchools.org

Dvoskin, J.A., Spiers, E.M. & Brodsky, S.L. (2007) Correctional Psychology: Law, Ethics, & Practice. In A.M. Goldstein (Ed): Forensic Psychology: Emerging Topics and Expanding Roles. New York: Wiley

Spiers, E.M., Pitt, S.E., & Dvoskin, J.A. (2006) Psychiatric Intake Screening. In Puisis, Michael (Ed): Clinical Practice in Correctional Medicine, Second Edition. Philadelphia: Elsevier Health Sciences

- Dvoskin, J.A. & Spiers, E.M. (2004) On the Role of Correctional Officers in Prison Mental Health Care. <u>Psychiatric Quarterly</u>.
- Dvoskin, J.A. & Spiers, E.M. (2003) Commentary on Munetz, M.R., Galon, P.A., & Frese III, F.J. The Ethics of Mandatory Community Treatment. <u>Journal of the American Academy of Psychiatry and Law, 31(2)</u>, 184-188.
- Glancy, G.D., Spiers, E.M., Pitt, S.E., & Dvoskin, J.A. Commentary on Chen Y-H, Arria A.M., & Anthony J.C. Firesetting in adolescence and being aggressive, shy, and rejected by peers: New epidemiologic evidence from a national sample survey. Models and correlates of firesetting behavior. <u>Journal of the American Academy of Psychiatry and Law</u> (2003).
- Dvoskin, J.A., Spiers, E.M., Metzner, J.L., & Pitt, S.E. (2003) The Structure of Correctional Mental Health Services. In Rosner, R. (ed.), <u>Principles and Practice of Forensic Psychiatry, Second Edition</u>. London: Arnold Publishing.
- Spiers, E.M., Dvoskin, J.A., & Pitt, S.E. (2002) Mental health professionals as institutional consultants and problem-solvers. In Fagan, T, and Ax, B (Eds) <u>Correctional Mental Health Handbook</u> Lanham, MD: American Correctional Association.
- Pitt, S.E., Spiers, E.M., Dietz, P.E., & Dvoskin, J.A. (1999) Preserving the integrity of the interview: The value of videotape. <u>Journal of Forensic Sciences</u>, 44 (6), 1287-1291.
- Pitt, S.E. & Bale, E.M. (1995) Neonaticide, Infanticide, and Filicide: A Review of the Literature. The Bulletin of the American Academy of Psychiatry and the Law, 23(3), 375-386.
- Pitt, S.E. & Bale, E.M. (1993) Neonaticide: Mothers Who Kill their Newborn A Case Report and Preliminary Review of the Literature. <u>AOMA Digest</u>, 8, 6-7, 16.

THUTHUY THI NGUYEN, MD 1209 ST MARIA CT ARLINGTON, TX 76013 (817) 874-4186

EDI	JCA	TIC	$M \cdot$
יענ	$\cup \subset \cap$	111	JIN.

1999 - Current Northeast Tarrant Internal Medicine Associates (NETIMA).

American Board of Internal Medicine: Recertified 2013.

Practice and Diagnosis of Internal Medicine

2013-2015 UT Arlington, Arlington, TX

Masters in Education (M. Ed).

Educational Leadership & Policy Studies.

Mentor: Earnest Johnson, Ph. D.

July 1995-Dec 1998 Methodist Hospitals of Dallas

Internal Medicine Residency Program,

Physician in Training, 1998.

July 1991-May 1995 Texas Tech University Health Sciences Center, Lubbock, TX.

Doctor of Medicine, M.D. 1995.

Aug 1987- May 1991 Texas Christian University

Fort Worth, TX

B.A. Biology, music minor

HONORS/ACTIVITIES:

2010 - current Non-public mentor for mock interviews, preceptorship for:

High school, college, graduate and professional students.

2015 - current Volunteer teaching at Our Lady of Fatima Catholic Church Religious

education and Vietnamese language.

2015 - current City of Southlake Boy's Basketball league team manager.

Assistant Scoutmaster SMG Troop 615.

2014 - current Co-director Orchestral choir at Our Lady of Fatima Catholic Church

2011 - current Guess speaker for boys/girls science classes at St. Maria Goretti School

1999 - current North East Tarrant Internal Medicine partner

1999 - current Organizing annual health fairs/education and flu vaccinations for local

underserved churches.

THUTHUY THI NGUYEN, MD

HONORS/ACTIVITIES:

2007-2012 Science/Math teacher and student advisor - St. Ignatius College Prep. HS

1997-2013 Texas Medical Association membership

1991-2013 American College of Physicians membership

Medical School Class representatives (1992-1993)

Editor, "Murmurs" (medical newsletter)

City league softball

Local church choir (1992-1993) Local church retreat staff (1992-1994)

Christian Medical and Dental Society member

Undergraduate TCU scholarship

Dean's list

Alpha Epsilon Delta Honor Society

Comparative Anatomy TA

Catholic Youth Group – Active Leader

Youth Group Choir Director

Bible School Teacher – St. George Catholic Church

Teach Vietnamese Language – St. George Catholic Church

Interests/Skills Trilingual: English, Vietnamese, Spanish

Music: piano (classical and folk), flute, singing

Spending time with family: camping/nature activities.

A wife and a mother of 11 children: 4 sons and 7 daughters.

References:

1. Laurie Porter, Ph. D., English Emeritus Professor at UTA, Arlington, TX: 817-891-7075.

2. Earnest Johnson, Ph. D., Emeritus Professor of Education at UTA, Arlington, TX: 979-574-0724.

3. Gary Jones, MD, Clinical Professor at UT Southwestern Medical School, Dallas, TX: 214-645-2100.

4. Stephen Buksh, MD, Managing Partner at NETIMA, Euless, TX: 817-283-9134.

5. Fr. Michael Ciski, T.O. R., Parochial Vicar at SMG, Arlington, TX: 817-274-0643.

Saji Pillai, M.D., FHM

2400 RIDGECREST DR. • SOUTHLAKE, TX 76092 PHONE (214) 457-2108 • E-MAIL SAJIPILLAIMD@GMAIL.COM

Experience

Program Director Internal Medicine Plaza Medical Center 2012- 11/2015

Associate PD Internal Medicine Plaza Medical Center 2010-2012

U.S.Doctors Alliance Founder and CEO 2016- current

Urgentcare2go CMO 2016- current

Vice President Questcare Hospitalists 2014-2015

Questcare Hospitalists- Medical Director 2008-2015

Plaza Medical Center Fort Worth, Texas

MEC Kindred Forth Worth 2015-current

Las Colinas Medical Specialists, PA 2005-2008

Traditional Private practice

TDI-DWC Designated Doctor for local DFW area 2008-2012

Education

2015, 2005 – Internal Medicine Board Certified

2003 – 2005 St. Paul University Hospital, Dallas, TX [SEP] (pgy 2,3, Chief Resident)

[17] 2002 - 2003 New Hanover Regional Medical Center, Wilmington, NC internship

1992 – 1997 Dr. B.R. Ambedkar Medical College in Bangalore, India (MBBS)

Achievements and Publications

Adjunct Faculty at UNT 2009-onwards

GMEC - 2010-2015

Speaker at ACOI Trainers conference 2014, 2015 for Technology in Board Review

Quizthon Inter-residency board review competition – 2/2016

Internal Medicine Program Director at Plaza Medical Center, Fort Worth Texas 2012-2015

All duties associated PD role.

Fellow of Hospital Medicine 2015

Vice President of Questcare Hospitalists 2014 –2015

Chair of Quality Committee for Plaza Medical Center 2014-2/2016

Sepsis Committee chair 2014 – 11/2015

PAG committee-2013-2014

Code Blue Committee- 2013- 2015

Pharmacy and Therapeutics committee 2010-2014

Utilization Review Committee member at Las Colinas Medical Center. 2007-2008

Vice- Chair of Medicine at Las Colinas Medical Center – 2007-2008

Mentored multiple required internal medicine resident research projects as Program Director

Undergoing research with Medstudy in Board Review

Guest Speaker for UNT medical students 2015.

Teaching inpatient wards to UNT Medical Students 2009- current

Lead the organizing committee for first South Asian community hospital health fair at Las Colinas Medical Center.

Chief Resident, Internal medicine, St Paul University Hospital UTSW, Dallas (2004-2005)

PROFESSIONAL MEMBERSHIP

American College of Physicians

Society of Hospital Medicine

Texas Medical Association



Christine M. SAVI, PhD

 4200 Bridgeview Dr., Apt. 1736
 cell: 408.507.1839

 Fort Worth, TX 76109
 csavi35@gmail.com

EDUCATION

2002 **Doctorate of Philosophy**, Curriculum and Instruction: Special Education/Educational Technology

Arizona State University

1995 **Master of Education**, Secondary Education

Northern Arizona University

1991 **Bachelor of Science**, Major: Education, Minor: Math

EMPLOYMENT

Faculty and Instructional Appointments

2016 Associate Professor of Bioethics and Medical Humanism, University of Arizona, College

of Medicine

2011-2015 Assistant Professor of Bioethics and Medical Humanism, University of Arizona, College of

Medicine

2005- Adjunct Faculty and Instructional Designer - Special Education, Northern Arizona

University SELECT Program

2000-2005 Adjunct Faculty and Instructional Designer - Secondary Education, Arizona State

University

1997-2000 Adjunct Faculty – English, Mesa Community College

1992-1997 K-12 Faculty - Special Education: Learning Disabilities Emotional Disabilities, Regular

Education: English, Math, Glendale Union High School District

Courses Taught

MEDP 850B	Preparation for Teaching and Leadership in Residency - University of Arizona, College of

Medicine

ESE 509 Foundations of Special Education: Specific Learning Disabilities – Northern Arizona

University

ESE 505A Defining Inclusion: Practical Methods and Resources Used to Promote a Positive

Learning Environment – Northern Arizona University

ESE 505B Consultation Techniques in Special Education: Collaboration on Inclusion – Northern

Arizona University

ESE 505 Methods and Materials in Special Education: Alternate Assessment – Northern Arizona

University

ESE 504 Methods and Materials in Special Education: Assistive Technology – Northern Arizona

University

ESE 503 Evaluation of Exceptional Children: Significant Cognitive Disabilities – Northern Arizona

University

SPED 393 Teacher Preparation: Teaching Students with Learning Disabilities – Arizona State

University

EDU 498 Teacher Preparation: Educational Technology and Teaching – Arizona State University

EDU 598 Teacher Preparation: Educational Pedagogy in Assessment – Arizona State University

Administrative Appointments

2016- Assessment and Quality Improvement, Assistant Dean

Texas Christian University and University of North Texas Health Science Center School of Medicine

- Responsibilities: Leads assessment and evaluation aspects of strategic planning and quality improvement, assuring that procedures, personnel, and processes for innovative teaching and appropriate assessment and evaluation are in place for all areas of the curriculum. Manages and develops a structure to map and tag curricular teaching assessment elements to measurable objectives. Oversees the collection and analysis of data to assist in leading the comprehensive integrated and continuous quality improvement of the curriculum and related elements. Oversees the compilation, analysis, and reporting of all internal and external student examination results and other assessments. Leads efforts to evaluate, select and implement learning and curricular management systems, including negotiating with vendors and managing educational technology staff.
- <u>Achievements:</u> Authored assessment, evaluation, and continual quality improvement standards for accreditation documentation for with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and the Liaison Committee on Medical Education (LCME). Was invited to lead a session on Sustainable Assessment with the Higher Learning Commission (HLC) at their annual meeting.

2011-2016 Assessment & Evaluation, Director

University of Arizona, College of Medicine - Phoenix

- Responsibilities: Administered the Assessment and Evaluation division targeting compliance with accreditation standards, program evaluation, institutional review, and assessment of student performance. Directed department efforts in establishing campus objectives, longitudinal benchmarks, and plans of action for data-driven workflows and instituted faculty evaluation processes. Performed hiring, scheduling and evaluation of unit personnel and faculty. Negotiated technology contracts with multiple vendors. Directed and maintained online curriculum and evaluation systems and other educational technologies for the medical school.
- Achievements: Authored assessment, evaluation, and teaching standards for accreditation
 visits with the HLC and the LCME. Developed and revised policies to ensure compliance
 with national and federal standards in curriculum delivery. Served as Assessment Mentor for
 the HLC and peer editor for the Health Informatics Journal (HIJ).

2009-2011 Assessment and Technology Accreditation Consultant

University of North Texas Health Science Center

Responsibilities: Directed assessment, evaluation, and educational technology projects the Center for Learning and Development. Consulted with college administration to support assessment requirements for Commission on Osteopathic College Accreditation (COCA), Accreditation Review Commission on Education for the Physician Assistant (ARC-PA), and Commission on Accreditation in Physical Therapy Education (CAPTE) site visit reviews. Collaborated with colleges in developing and implementing the institutional benchmarks. Provided faculty development sessions on instructional design of online courses, rubric design, Bloom's Taxonomy, and test item development.

Achievements: Co-authored the Quality Enhancement Plan for SACSCOC
accreditation review. Vetted assessment instruments and published results and tools
within the UNTHSC Digital Repository. Was invited to present at the annual
SACSCOC conference on implementing and marketing the Quality Enhancement
Plan of program evaluation.

2008-2009 Network Services, Project Manager & Trainer Cisco Systems

- Responsibilities: Directed the automation of static data collection systems and published accountability reports. Collaborated with internal and external customers, vendors, and contractors to meet time-constrained deliverables. Analyzed results of various assessments to better identify training needs. Analyzed management problems using performance metrics for program efficacy and partner self-sufficiency. Conducted management studies of programs in order to measure effectiveness, efficiency, and productivity of Training & Operations programs.
- Achievements: Consulted for Cisco's top 30 partners on network services projects generating up to 50M in revenue and named Outperforming Team in 2008. Created learning modules using Captivate and PowerPoint, as well as Video-on-Demand (VODs) sessions and hard copy documents for global training.

2002-2008 Assessment and Assistive Technology Compliance Monitor

Arizona Department of Education

- Responsibilities: Managed budgets of up to 300K for technology, training, and consulting needs for 20,000 end users statewide. Conducted presentation of findings and recommendations to management officials. Consulted statewide on implementing instructional and assistive technologies for K-12 schools. Served as statewide auditor for Section 504 compliance standards. Conducted quantitative, qualitative, and mixed method analysis for large amounts of confidential data for federal reporting and grant requirements.
- <u>Achievements</u>: Accounted for 98% of assigned schools meeting or exceeding expectations with regard to state and federal requirements pertaining to special education. Launched the inaugural Assistive Technology Initiative for Arizona Department of Education (ADE).

2000-2002 Web Administrator & Technical Writer.

US Department of Energy, Western Area Power Administration (WAPA)

- Responsibilities: Served as agency's web administrator and technical writer for 3000+ end users and internal personnel. Established, coordinated, and developed an agency-wide training strategy for implementing Section 508 guidelines. Documented network architecture for federal NIST audits, as well as agency lifecycle management efforts. Consulted and trained nationwide on issues regarding open industry standards for UDL, W3C Guidelines, SCORM, and Section 508 provisions. Assisted system administrators in managing IIS web servers and maintained security measures for multi-user authoring environment. Assisted with firewall installation for DMZ establishment.
- Achievements: Overhauled agency internet/intranet to meet Section 508 requirements prior to national deadline.

HONORS AND AWARDS			
2016	Diversity and Inclusion Awareness Embedded in the Training of Faculty Assessment and		
	Student Evaluation Grant		
2015	Stephen Abrahamson Award for Innovation		
2011	Vernon and Virginia Furrow Award for Online Learning		
2002	Critical Contribution Award, ATA		
2000	Distinguished Leadership Scholarship		
1995	Graduated Magna Cum Laude		
1991	Educational Teaching Scholarship		

BOARD CERTIFICATION

2009	Supervisory – Arizona Department of Education
2007	Structured English Immersion (SEI) – Arizona Department of Education
2001	Accessible Design, University of Utah
1997	Secondary Teaching – Maricopa Community Colleges
1991	K-12 Teaching: Secondary, English, Mathematics, Learning Disabilities – Arizona
	Department of Education

SERVICE

National outreach

2015-	Higher Learning Commission (HLC)	Mentor
2014-	Health Informatics Journal (HIJ)	Reviewer
2012	Association for American Medical Colleges (AAMC) MedEd Portal	Reviewer
2004	Council for Exceptional Children (CEC)	Reviewer
2004	International Society for Technology in Education (ISTE)	Reviewer
2000-2002	American Educational Research Association (AERA)	Reviewer
2000-2002	Teacher Educators for Children with Behavior Disorder Journal	Asst. Editor
2000-2002	U.S. Department of Energy	Consultant

Local outreach

2006-2008	Arizona Technology in Education Alliance (AzTEA)	Reviewer
2003-2004	Make-A-Wish Foundation	Consultant
2001-2002	Arizona State Professional Graduate College Conference	Judge
2000-2002	Arizona Teachers' Association (ATA)	Consultant

College Committees

Assessment and Evaluation Subcommittee, UA College of Medicine – Phoenix	Chair
Instructional Technology Committee, UA College of Medicine – Phoenix	Member
Accreditation Self-Study Team	Member
Executive Team: Program Evaluation, UA College of Medicine – Phoenix	Member
Web Advisory Group, UA College of Medicine – Phoenix	Member
Simulation Committee, UA College of Medicine – Phoenix	Member
Faculty Development Committee, UA College of Medicine – Phoenix	Member
Continuing Interprofessional Education Committee, UA College of Medicine – Phoenix	Member
Curriculum Committee, UA College of Medicine – Phoenix	Ex-Officio
Clinical Curriculum Subcommittee, UA College of Medicine – Phoenix	Ex-Officio
Block, Course, Theme Subcommittee, UA College of Medicine – Phoenix	Ex-Officio
Educational Policy Committee, UA College of Medicine – Phoenix	Ex-Officio

PUBLICATIONS

Refereed

Savi CO, Savenye W, Rowland C. The effects of implementing web accessibility standards on the success of secondary adolescents. Journal of Educational Multimedia and Hypermedia. 2008 Jul 1;17(3):387. *Journal of Educational Multimedia and Hypermedia*, 17, (3).

Opitz C, Savenye W, Rowland C. Accessibility of State Department of Education home pages and special education pages. *Journal of Special Education Technology*. 2003;18(1):17-28.

Opitz C. Online course accessibility: A call for responsibility and necessity. *Educational Technology Review*. 2002;10(1):81-105.

In Progress

Savi C, Kang P, & Restifo, K. Measuring Inter-rater Reliability of a Milestone-based Rubric to Assess Competency Performance in Third Year Medical Students. *Academic Medicine*. In press 2016.

TECHNICAL SKILLS

CMS/LMS: BbLearn, Prometheus, Moodle, Sakai, D2L, WebEx, NetMeeting, Evalue, one45 Design: Dreamweaver, Photoshop, Flash, Framemaker, Captivate, PowerPoint, Camtasia,

RoboHelp, Visio, Project, Erwin, Confluence

Evaluation: Evalue, one45, New Innovations, SurveyMonkey, Blackboard/WebCT Development: Cold Fusion, HTML/XML, .ASP, Javascript using TOAD and CVS

Database: SQL/SQL Server, Oracle 8-10g, Access, SharePoint

Analysis: SPSS, Atlas.ti

GRANTS AND CONTRACTS

State and Institutional

2016 Diversity, Equity and Inclusive Excellence & Innovation Grant, 3/2016-3/2017, \$1,500

2011 Vernon and Virginia Furrow Grant, 8/2011-8/2012, \$1,200

2007 CAAVES Grant, 8/2008-8/2010, \$120,000

MEDIA

Presentations and Posters for last 5 years

"Preclinical Assessment and Evaluation." Introduction to Medicine. University of Arizona, College of Medicine- Phoenix. July, 2016.

"Updates to Preclinical Assessment and Evaluations." Gastrointestinal System, Metabolism, Diabetes and Obesity. University of Arizona, College of Medicine- Phoenix. July, 2016.

"Assessment and Evaluation for Pathways." Pathways. University of Arizona, College of Medicine-Phoenix. July, 2016.

"Assessment Overview and Building Inter-rater Consistency". University of Arizona, College of Medicine-Phoenix. Clinical Curriculum Subcommittee Retreat. May. 2016.

"Bench. Mark. Go! Assessment Benchmarking and Action Plans for Program Evaluation." Higher Learning Commission Annual Meeting/Conference. April, 2016.

- "Assessment of COM-P Medical Students in the Clerkship Setting." University of Arizona, College of Medicine- Phoenix. Internal Medicine Clerkship Site Directors Meeting. March, 2016.
- "Writing Learning Objectives that Lead to Measurable Learning Outcomes." Family Medicine Program, Banner Health. Presented with K. Brite. March, 2016.
- "Assessment of COM-P Medical Students in the Clerkship Setting." University of Arizona, College of Medicine- Phoenix. Obstetrics and Gynecology Clerkship Site Directors Meeting. March, 2016.
- "Assessments and Evaluations in the Clinical Setting." University of Arizona, College of Medicine-Phoenix. Transitions. March, 2016.
- "Assessment of COM-P Medical Students in the Clerkship Setting." Phoenix Children's Hospital. Pediatrics Grand Rounds. Presented with K. Restifo. February, 2016.
- "Updates: Assessment and Evaluation." University of Arizona, College of Medicine- Phoenix. Clinical Curriculum Coordinators Retreat. February, 2016.
- "Walk a Milestone in My Shoes for UME: Developing a Milestone Based Assessment Tool to Enhance the Grading Process in Undergraduate Medical Education." Society of Teachers of Family Medicine Conference. January, 2016.
- "Updates in Assessment of COM-P Medical Students in the Clerkship Setting." University of Arizona, College of Medicine- Phoenix. Psychiatry Clerkship Site Directors Meeting. December, 2015.
- "A Collaborative Approach to Implementing Competency Milestones in UME." Association of American Medical Colleges Annual Meeting. Poster presented with K. Restifo. November, 2015.
- "Assessments and Evaluations in Electives." University of Arizona, College of Medicine- Phoenix. Electives. October, 2015.
- "Pre-clerkship Benchmarks and Action Plans for Program Evaluation". University of Arizona, College of Medicine- Phoenix. Pre-clerkship Curriculum Retreat. September, 2015.
- "CBI Facilitator Training: Behavior Assessment, Academic Year 2015-16, MS2" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses. July, 2015-January, 2016.
- "CBI Facilitator Training: Behavior Assessment, Academic Year 2015-16, MS1" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses.. July, 2015-April, 2016.
- "Assessment of COM-P Medical Students in the Clerkship Setting." University of Arizona, College of Medicine- Phoenix. Neurology Faculty Meeting. April, 2015.
- "Assessments and Evaluations in the Clinical Setting." University of Arizona, College of Medicine-Phoenix. Transitions. April, 2015.
- "Faculty as Educators & Assessors Series: Assessment of Medical Students." University of Arizona, College of Medicine- Phoenix. Psychiatry Clerkship Site Directors Meeting. March, 2015.
- "Assessments and Evaluations in Electives." University of Arizona, College of Medicine- Phoenix. Electives. December, 2014.
- "CBI Facilitator Training: Behavior Assessment, Academic Year 2014-15, MS2" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses. July, 2014-January, 2015.
- "CBI Facilitator Training: Behavior Assessment, Academic Year 2014-15, MS1" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses. July, 2014-April, 2015.

"Resident Teaching and Assessment Resources." Banner Good Samaritan Hospital and Maricopa Medical Center, Surgery Unit. February, 2014.

"Milestone Assessment." University of Arizona College of Medicine - Phoenix. July-Dec, 2013

"The Program Evaluator's Toolkit: An Integrated Resource for Evaluating the Assessment of Student Learning Outcomes." Association for Institutional Research (AIR). June, 2013.

"CBI Training and Assessment." University of Arizona, College of Medicine - Phoenix. Presented with P. Standley. September, 2012.

"Benchmarking Guidelines for Student Assessment." Phoenix Children's Hospital, Pediatric Unit. September, 2012.

"Benchmarking Guidelines for Student Assessment." Banner Good Samaritan Hospital, Psychiatry Unit. August, 2012.

"Benchmarking Guidelines for Student Assessment." Maricopa Medical Center, Internal Medicine Unit. July, 2012.

"Giving/Receiving Effective Feedback and Other Assessment Modalities." University of Arizona, College of Medicine - Phoenix. July, 2012.

Savi, C. (2012, July). Assessment of Student Performance – Pt. III. University of Arizona, College of Medicine - Phoenix

"CBI Facilitator Training: Assessment Academic Year 2013-2014, MS2" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses. July, 2013-April, 2014.

"CBI Facilitator Training: Assessment Academic Year 2013-2014, MS1" University of Arizona, College of Medicine- Phoenix. Preclinical Blocks and Courses. July, 2013-April, 2014.

"Remediation Strategies: A literature review." University of Arizona, College of Medicine - Phoenix Journal Club. June, 2012.

"Writing Measurable Learning Objectives." University of Arizona, College of Medicine – Phoenix. June, 2012.

"USMLE Question Writing. University of Arizona, College of Medicine – Phoenix Faculty Development Series. Presented with P. Standley, C. Standley. June, 2012.

"Assessment of Student Performance – Pt. II.", University of Arizona, College of Medicine – Phoenix. July, 2011.

"Assessment of Student Performance – Pt. I." University of Arizona, College of Medicine - Phoenix. July, 2011.

"Lessons Learned: Implementing, Promoting, and Marketing Your QEP." Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) Summer Institute. Presented with V. Collins. July, 2011.

"Using Rubrics for Evaluation." University of North Texas Health Science Center, Center for Learning & Development, March, 2011.

"Designing Tests that Measure Higher Order Thinking (HOT)." University of North Texas Health Science Center, Center for Learning & Development, February, 2011.

"Higher Order Thinking (HOT) Overview." University of North Texas Health Science Center, Center for Learning & Development, January, 2011.





Curriculum Vitae

Imran Akhtar Siddiqui, PhD, MBBS, MPhil, MHPE

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1989-1995	Bachelor of Medicine and Bachelor of	Dow Medical College, University of Karachi,
	Surgery (MBBS)	Karachi

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1996-2001	Master of Philosophy (MPhil),	Ziauddin University, Karachi
	Biochemistry	
2004-2010	Doctor of Philosophy (PhD), Biochemistry	Ziauddin University, Karachi
2012-2013	Joint Master in Health Professions	Joint Program, Maastricht University
	Education (JMHPE),	and Suez Canal University,

EQUIVALENCY OF ACADEMIC DEGREES:

Year	Degree(s)	Institution, City, State
2014	MBBS, MPhil, PhD	Comparative Education Service (CES),
		University of Toronto

PROFESSIONAL EXPERIENCE:

1996-2001	Lecturer of Biochemistry	College of Medicine, Ziauddin University, Karachi
2001-2004	Assistant Professor of Biochemistry	College of Medicine, Ziauddin University, Karachi
2004-2010	Lecturer of Biochemistry	College of Medicine, King Saud Bin Abdulaziz University for Health Sciences, Riyadh
2010-2013	Assistant Professor of Biochemistry	College of Medicine, Al-Imam University, Riyadh
2013-2016	Senior Specialist, Test Development	Saudi Commission for Health Specialties, Riyadh
2016-2016	Director, Department of Postgraduate Medical Education	Saudi Commission for Health Specialties, Riyadh





Revised [6/5/2017]

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2014-Present	College of Medicine, Ziauddin University,	Adjunct Professor of Biochemistry
	Karachi	

Honors and Awards

Years	Honor/Award Type	Institution
2012	International Publication Award	Al-Imam University
2013	International Publication Award	Al-Imam University

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2011-2013	Head of the Assessment Unit	College of Medicine, Al-Imam University,
		Riyadh
2011-2013	Member, Curriculum Development	College of Medicine, Al-Imam University,
	Committee	Riyadh
2011-2013	Member, Faculty Development	College of Medicine, Al-Imam University,
	Committee	Riyadh
2004-2010	Member, Department of Basic Medical	College of Medicine, King Saud Bin
	Science	Abdulaziz University for Health Sciences,
		Riyadh

Symposium/Meeting Chair/Coordinator

2014	Chaired a Poster session on Written	AMEE Conference, Milan, Italy
	Assessment	
2015	Chaired a Town Hall Forum	Second International Health Specialties Conference, Riyadh, Saudi Arabia

PROFESSIONAL COMMUNITY ACTIVITIES

2012-2014	Member	Association for Medical Education in
		Europe





Revised [6/5/2017]

Past Grants

10/18/2008 - 05/31/2010

RC08/020, Evaluation of Biochemical Markers of Preeclampsia

Direct Costs: \$23000. Total costs: \$45000 Funding Source: King Abdullah International

Medical Research Center Role: <u>Principal Investigator</u>

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

2001-2002	General Biochemistry 103	Once a year	Medical Students	50
2011-2012	Endocrinology and Metabolism, ENDO310	Once a Year	Medical Students	60
2011-2012	Hemopoietic System, HAEM320	Once a Year	Medical Students	60
2012-2013	Learning Skills, Learn112	Once a Year	Medical Students	90

Courses Directed

1999-2002	Haemopoetic System 211	Once a year	Medical Students	50
2000-2004	GIT, Nutrition and Metabolism 117	Once a year	Medical Students	50
2001-2004	Endocrinology 216	Once a year	Medical Students	50
2007-2008	Cardiovascular Sciences CVS-313	Once a Year	Medical Students	35
2008-2010	Foundation Studies FDS-301	Once a Year	Medical Students	35

Course Lectures

1996-2004	Cell Biology 202	Once a year	Medical Students	50
1996-2004	Genetics 203	Once a year	Medical	50

Siddiqui, MBBS, MPhil, MHPE, PhD





Revised [6/5/2017]

			Students	_
2001-2004	General Biochemistry 103	Once a year	Pre-Med Students	80
2004-2010	Foundation Studies FDS-301	Once a Year	Medical Students	35
2004-2010	Musculoskeletal Sciences & Substance Abuse MSK-302	Once a Year	Medical Students	35
2004-2010	Endocrine, Nutrition and Gastroenterology GNE-411	Once a Year	Medical Students	35
2004-2010	Hematology HEM-312	Once a Year	Medical Students	35

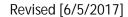
Laboratory Teaching

1997-2004	GIT, Nutrition and Metabolism 117	Once a year	Medical Students	50
1997-2004	Endocrinology and Metabolism, ENDO310	Once a Year	Medical Students	60

Small Group Teaching

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2004-2010	Endocrine, Nutrition and Gastroenterology GNE-411	Once a Year	Medical Students	35
2011-2013	Hemopoietic System, HAEM320	Once a Year	Medical Students	60
2004-2010	Musculoskeletal Sciences & Substance Abuse MSK-302	Once a Year	Medical Students	35
2011-2013	Endocrinology and Metabolism, ENDO310	Once a Year	Medical Students	60

Siddiqui, MBBS, MPhil, MHPE, PhD







Other Educational Activities

WORKSHOPS

Lead facilitator

- Problem Based Learning course for Tutors
- Item Writing
- Assessment Blueprint
- Objective Structured Clinical Examination (OSCE)
- Students' Assessment
- Writing Educational Objectives

Participated

- Fundamentals of Assessment in Medical Education (FAME), 15th Ottawa Conference, 2012
- Student Assessment Workshop with University of Sydney
- Manuscript Writing (Jointly organized by Aga Khan University and British Medical Journal (BMJ)
 Publishing group)
- 5th GCC certificate course in medical education

UNT HEALTH



Revised [6/5/2017]

PEER-REVIEWED JOURNAL ARTICLES

- 1. Tamimi, W., <u>Siddiqui, I. A.</u>, Tamim, H., Al Eisa, N & Adham, M. (2009). Effect of Body Mass Index on Clinical Manifestations in Patients with Polycystic Ovary Syndrome. Int J Gynaecol Obstet, 107 (1): 54-7.
- 2. <u>Siddiqui, I. A.</u> (2014). Maternal serum lipids in women with pre-eclampsia. Ann Med Health Sci Res, 4 (4): 638-641.
- 3. <u>Siddiqui, I. A.</u>, Tamimi, W., Tamim, H., Al Eisa, N. & Adham, M. (2010). A Study on Clinical and Sonographic Features in Obese and Nonobese Patients with Polycystic Ovary Syndrome. Arch Gynecol Obstet, 281(3): 467-71.
- 4. <u>Siddiqui, I. A.</u>, Rahman, M.A. & Jaleel, A. (2004). Efficacy of daily vs. weekly supplementation of iron in school children with low iron status. J Trop Pediatr, 50(5): 276-8.
- 5. <u>Siddiqui, I. A.,</u> Jaleel. A., Kadri, H. & Tamimi, W. (2013). Biomarkers of Oxidative Stress in Women with Preeclampsia. Biomarkers in Medicine, 7(2):229-34.
- 6. <u>Siddiqui, I. A.</u>, Jaleel. A., Kadri, H., Saeed, W. & Tamimi, W. (2010). Iron Status Parameters in Preeclamptic Women. Arch Gynecol Obstet, 282(5): 469-74.
- 7. Majeed, R., Jaleel, A., <u>Siddiqui, I. A.</u>, Sandila, P & Baseer, A. (2002). Comparison of Troponin T and enzyme levels in acute myocardial infarction and skeletal muscle injury. J Ayub Med Coll Abbottabad, 14(4): 5-7.
- 8. Jaleel, A., Shams, I., <u>Siddiqui, I. A.</u> & Baseer, A. (1999). Serum Uric Acid. the predictor of HELLP syndrome J.C.P.S.P, 9(7): 302-303
- 9. <u>Siddiqui, I. A.</u>, Siddiqui, N. A., Aziz, J. & Omair, A. (2007). Erythrocyte Sedimentation Rate in healthy first year medical students. Saudi Medical Journal, 28(12): 1819-21.
- 10. Fakhoury, H., Tamim, H., Farwana, M. <u>Siddiqui, I. A.</u>, Adham, M. & Tamimi, W. (2012). Elevated levels of LH/FSH and total testosterone independent of age and BMI in PCOS. Journal of Family Medicine and Primary Care, 1(2): 132-136.
- 11. Abdulrahman, K. A. B., <u>Siddiqui, I. A.</u>, Aldaham, S. A. & Akram, S. (2012). Faculty development program: a guide for medical schools in Arabian Gulf (GCC) countries. Med Teach, 34(S1): S61-66.
- 12. Aziz, J., Siddiqui, N. A. & <u>Siddiqui, I. A.</u> (2003). Relation of body mass index with lipid profile and blood pressure in young healthy students at Ziauddin Medical University. J Ayub Med Coll Abbottabad, 15(4): 57-9.
- 13. <u>Siddiqui, I. A.</u>, Abdulrahman, K. A. B. & AlSultan, M. A. (2015). Learning Skills Course for the First Year Medical Students: An Experience at a Saudi Medical School. Adv Med Educ Pract, 6: 205-210

NON PEER-REVIEWED JOURNAL ARTICLES

1. Aziz, J., <u>Siddiqui, I. A.</u> & Jaleel, A. (2004). Anemia in Pregnancy: Relationship with Parity and Low Birth Weight of the Newborn. Medical Channel. 10(4): 23-5.

REVIEW ARTICLES

- 1. <u>Siddiqui, I. A.</u>, Jaleel, A., Tamimi, W. & Kadri, H. (2010). Role of Oxidative Stress in the Pathogenesis of Preeclampsia. Arch Gynecol Obstet, 282(5): 469-74.
- 2. <u>Siddiqui, I. A.</u>, Jaleel, A. & Rahman, M.A. (2003). Preventive strategy to control iron deficiency in children and adults. J. Pak. Med. Assoc, 53(4): 131-3.
- 3. Jaleel, A., <u>Siddiqui, I. A.</u> & Rahman, M.A. (2003). Do we really need daily iron supplementation? Comments and controversies. J Pak Med Assoc, 53(4): 162-5.

Siddiqui, MBBS, MPhil, MHPE, PhD

Revised [6/5/2017]





BOOK CHAPTERS

1. <u>Siddiqui, I. A.</u> (2014). 4: Examination logistics. In Objective Structured Clinical Examination (pp. 25-31). The Saudi Commission for Health Specialties, Riyadh, Saudi Arabia.

CONFERENCE PROCEEDINGS

1. Jaleel, A., <u>Siddiqui, I. A.</u> & Rahman, M.A. (2001). Effective iron supplementation strategy in children and adults. In; Annals of Nutrition and Metabolism. Official Journal of the Federation of European Nutrition Societies. 17th International Congress of Nutrition, Vienna, Austria, August 27-31: 1.03.012.

OTHER (Commentary/Letters/Editorials/Case Reports/Video/Film) Other

- 1. <u>Siddiqui, I. A.</u> & Ware, J. (2014). Test blueprint for multiple choice questions exams. Journal of Health Specialties, 2 (3): 123-125.
- 2. Ware, J, <u>Siddiqui, I. A.</u> (2014). A long case in perfect health. Journal of Health Specialties, 2 (3): 126-127.
- 3. Ware, J., Kattan, E. T., <u>Siddiqui, I. A.</u>, Mohammed, A. M. (2014). The perfect MCQ exam. Journal of Health Specialties.; 2 (3): 94-99.
- 4. <u>Siddiqui, I. A.</u> & AlSultan, M. A. (2016). Item Writing Software: Another step towards excellence. Journal of Health Specialties, 4 (2): 90-91.
- 5. <u>Siddiqui, I. A.</u> (2013). Tuberculosis: An ancient disease with a modern perspective. Journal of Health Specialties, 1 (3): 103-104.

Meeting Presentations

<u>International</u>

 2012 <u>Siddiqui, I.A.</u> & Obiedat, A. Subjectivity: A Concern in the Continuous Assessment of Students in a Hybrid PBL Based Curriculum. 15th Ottawa Conference, 9-13 March 2012, Kuala Lumpur, Malaysia

National

1998	<u>Siddiqui, I.A.</u> Quinolone Resistance among Common Urinary Tract Pathogens 14 th
	Annual Symposium Pakistan society of Physicians In collaboration with Research Society
	of Karachi, Pakistan.

- 2003 <u>Siddiqui, I.A.</u> & Jaleel, A. Efficacy of daily vs. weekly supplementation of iron in school children with low iron status. 7th BIENNIAL CONFERENCE Pakistan society for Biochemistry and Molecular Biology, April 2-5, Lahore, Pakistan.
- 2012 <u>Siddiqui, I.A.</u> Prevalence of Depression, Anxiety and Stress among Medical Students: A Cross-Sectional Study at a Saudi Medical School. 3rd Saudi International Medical Education Conference (SIMEC) 22 26 April, Riyadh, Saudi Arabia.
- 2012 <u>Siddiqui, I.A.</u> Simulated Patients. 1st workshop on Principles of Students' Assessment, 16-17th March, Al-Imam University

Siddiqui, MBBS, MPhil, MHPE, PhD





Revised [6/5/2017]

Invited/Visiting Professor Presentations

2011 Students' Assessment at Al Imam Medical School. Riyadh Medical Education Club Meeting. 27th November, Riyadh, Saudi Arabia.

Veronica Velasco (Tatum), M.D.
Assistant Professor
Paul L. Foster School of Medicine
Department of Medical Education
5001 El Paso Drive
El Paso, Texas 79905

Phone: 915-215-4351

Fax: 915-783-1715 E-mail: veronica.velasco@ttuhsc.edu

EDUCATION

8/96 – 5/00 Bachelor of Science, Microbiology

University of Texas at El Paso

El Paso, Texas Summa Cum Laude

GRADUATE MEDICAL EDUCATION

8/00 – 6/04 Doctor of Medicine

University of Texas Southwestern Medical Center at Dallas

Dallas, Texas

POSTDOCTORAL TRAINING

7/04 – 6/08 Combined Anatomic and Clinical Pathology Residency

Baylor College of Medicine

Houston, Texas

7/08 – 6/09 Cytopathology Fellowship

University of California San Francisco

San Francisco, California

CERTIFICATIONS AND MEDICAL LICENSURE

7/08 Anatomic and Clinical Pathology Board Certification

American Board of Pathology

10/08 Thin Prep and Surepath Certification 9/09 Cytopathology Board Certification

American Board of Pathology

11/09 Texas Medical License

FACULTY APPOINTMENTS

8/13 – Present Assistant Professor

Department of Medical Education

Texas Tech University Health Sciences Center

Paul L. Foster School of Medicine

El Paso, Texas

1/12 – 3/13 Clinical Assistant Professor

Department of Pathology

University of Oklahoma Health Sciences Center

Oklahoma City, Oklahoma

HOSPITAL STAFF APPOINTMENTS

1/13 – Present University Medical Center

Anatomic Pathologist

El Paso, Texas

1/12 – 3/13 University of Oklahoma Medical Center

Anatomic Pathologist Oklahoma City, Oklahoma

7/09 – 6/11 Kaiser Permanente Hospital

Anatomic and Clinical Pathologist

El Paso, Texas

TEACHING EXPERIENCE

8/13 – Present Scientific Principles of Medicine, Pathology Didactics

First and Second Year Medical Students

Topics: General principles, skin, cardiovascular, renal, endocrine, and

reproductive systems

Paul L. Foster School of Medicine

El Paso, Texas

Sample feedback from anonymous evaluations: Dr. Velasco is, without a doubt, one of the best instructors at PLFSOM. She finds a way to explain difficult material in such a way that students can get a comprehensive grasp of the subject, without feeling like it is "dumbed down". The logical and methodical way she describes each disease, histology slide, and clinical presentation leaves many students finally understanding things which we have been struggling with for days. I have heard several students say, multiple times, that they wish Dr. Velasco could teach all of our lectures. She shows an outstanding interest in student learning and

her ability to communicate effectively enriches the curriculum enormously. Keep up the incredible work!

By far my favorite instructor so far! Dr. Velasco is extremely approachable and I feel like I could ask her any question and she would take the time to explain it to me. She is very knowledgeable in her subject and she makes her expectations clear. I appreciate the bolded sections in powerpoints to let me know what is key information and what is supplemental. I wish Dr. Velasco could teach every subject!

When asked to do a single, voluntary evaluation of any faculty member, I had to pick Dr. Velasco. Throughout the last 2 years, she has always gone above and beyond to help students understand the material. Her lectures are always well-written and presented in a way that really helps students know what is important, why it is important, and how to differentiate various diseases. I admire her and her passion for learning/teaching. Thank you for all the valuable knowledge you have taught us over the years- you have no idea how much you're appreciated!

Dr. Velasco is the best educator on staff at PLFSOM, in my opinion. Her powerpoints are clear, concise, WELL ORGANIZED (which is a surprisingly rare feature of faculty presentations), and never have any typos or mistakes. She is one of two educators who consistently give presentations of such high quality. I know exactly what Dr. Velasco wants us to know and what is important, and I truly feel like she's preparing us well for USMLE Step 1. It's rare to have a professor as brilliant as Dr. Velasco who can also teach to a lower knowledge base (i.e., med students). And bonus points: she always gives us candy and includes pictures of her adorable children. I get the majority of pathology questions right on our formatives and summatives when Dr. Velasco teaches the material because she emphasizes the important features both in lecture and through bolding, color coding, etc. If Dr. Velasco taught 95% of our material, medical school would be way easier. I selfishly want her to stop having adorable babies so she can teach us all the time. Thank you, Dr. Velasco!!!!!

9/13-16

Scientific Principles of Medicine, Microbiology Laboratory Sessions Co-Instructor First Year Medical Students Topics: Gram staining, Staph vs. Strep, osteomyelitis Paul L. Foster School of Medicine El Paso, Texas 10/13-16 1/14-17 Scientific Principles of Medicine, Worked Case Examples
First and Second Year Medical Student Small Group Sessions
Topics: Musculoskeletal lumps and masses, red and white blood
cell disorders, coagulation disorders, and lymphadenopathy
Paul L. Foster School of Medicine
El Paso. Texas

Sample feedback from anonymous evaluations: Dr. Velasco is as great a WCE facilitator as she is a lecturer, and she's my favorite lecturer. Dr. Velasco allows every student to answer questions, and the questions she gives are tough but reasonable. She always answers questions in the most clear and understandable way. She doesn't let the most dominant personalities overshadow the more passive ones and she leads the group so effectively. She's just a really awesome teacher in every way.

Dr. Velasco is understanding, incredibly knowledgeable, treats students with respect, and really gives us ways to understand and remember the material beyond what we were taught in lecture. She is never judgmental, and her WCEs are always so informative and engaging. She's easily my favorite professor.

This was the second time I had Dr. Velasco as a facilitator for work case and again she is an amazing teacher. She allows us students to lead the cases, but will stop and question our thought process and clinical knowledge. She is also great at answering any questions we have. I hope to have her again in the future as a facilitator.

3-4/14

Pathology Review Sessions
First and Second Year Medical Students
Topics: Student-requested combined review sessions for
general principles, gastrointestinal, skin and musculoskeletal,
hematology, cardiovascular and pulmonary units
Paul L. Foster School of Medicine
El Paso, Texas

Sample feedback from anonymous evaluations: I appreciate the path reviews you do, and hope we can do that more. I think if we could do a mini review on past path units we covered (ex: renal and endocrine hey highlight), that would be super helpful for longterm retention of path. You are an excellent teacher, and I appreciate all the helpful comments you make about what you see/experience as a pathologist in real life and your interactions with clinicians. Thanks for everything you do!

4/14-17

Tank Side Grand Rounds Preparation

Second Year Medical Students Small group slide review sessions of cadaver biopsies Paul L. Foster School of Medicine El Paso, Texas

Sample feedback from anonymous evaluations: I appreciate that Dr. Velasco met with each of our TSGR groups and helped them learn pathology. I felt that I learned a lot from her during our meeting, and it was a good review. She did a good job of teaching the pathology, asking the students questions, and clarifying any confusion. I felt that this meeting was very beneficial.

1/15-17

Medical Skills, Slide Review Sessions First Year Medical Students Topics: Red and white blood cell disorders Paul L. Foster School of Medicine El Paso, Texas

Sample feedback from anonymous evaluations: Dr. Velasco is really great about actually explaining things and going in depth on how we can understand them, rather than just reading off of slides. For example, the medical skills session we had where she actually taught us how to read the CD markers and read peripheral smears instead of just throwing them on a powerpoint and expecting us to understand what we're looking at.

Dr. Velasco presented the blood smears to us during medical skills. She did a wonderful job at pointing out characteristics of the smears that helped us remember. I liked how we took turns to answer questions during the session. It allows us to learn from our and other classmates' mistakes.

During one of the medical skills lectures, she included a lot of important information on leukemias that were in First Aid, but not mentioned in Dr. Padilla's lecture so I really appreciated that. She is also very organized in her pathology lectures and teaches those very well.

8/15-16

Scientific Principles of Medicine, Microbiology Didactics
First and Second Year Medical Students
Topics: Virology, urinary tract infections, sexually transmitted
infections, cystic fibrosis
Paul L. Foster School of Medicine
El Paso, Texas

Sample feedback from anonymous evaluations: Your microbiology lectures are amazing. You have done a fantastic job condensing that material and I feel like you are asking the essential concepts for medical students. Thank you! I like your enthusiasm about teaching pathology and microbiology. Please continue engaging students with gusto. Your slides have a good amount of information and read quite well. In fact, I can study your power points to supplement the reading and I get a lot out of them. Keep up the good work!

1. Dr. Velasco is wonderfully organized in the microbiology she covers. 2. While her lecture slides are always very detailed, she does a very good job of navigating what is most pertinent to know in the very voluminous field of pathology 3. she brings candy

1/12 - 1/13

Surgical Pathology and Cytopathology Didactic and Unknown Slide Sessions

Pathology Residents

Topics: Pleura and peritoneum, large bowel neoplasms, EUS pancreas FNAs, exfoliative biliary tract cytology, non-neoplastic lymph node FNAs
University of Oklahoma Health Sciences Center

Oklahoma City, Oklahoma

Sample feedback from chief resident: I was hoping that you might be available to do an extra teaching session. Your teaching style has been highly appreciated by the residents. No pressure to say "yes" – you were just the first choice by the residents.

8/04 - 5/06

Small Group Case Discussion Resident Leader
First and second year medical student small groups
Topics: Gynecologic cytology, parasitology, liver GI and biliary
tract, interstitial lung disease, neoplasia
Baylor College of Medicine
Houston, Texas

1/04 - 2/04

Histology Teaching Assistant First year medical student laboratory course University of Texas Southwestern Medical Center Dallas, Texas

1/00 - 5/00

Writing Tutor Undergraduate students El Paso Community College El Paso, Texas

8/96 - 5/99

Biology Peer Facilitator

Undergraduate biology course and laboratory

University of Texas at El Paso

El Paso, Texas

COMMITTEE AND DEPARTMENTAL SERVICE

10/15 – Present Scholarship Committee, Member

Attend biannual meetings

Paul L. Foster School of Medicine

El Paso, Texas

10/15 - Present Student Activities Committee, Member

Attend quarterly meetings

Paul L. Foster School of Medicine

El Paso, Texas

8/13 – Present Unit Director, Endocrine and Reproductive Units

Scientific Principles of Medicine

Prepare and review calendar, prepare and review exams, evaluate unit curriculum for integration, review student unit evaluations and

assist in end of unit debriefings Paul L. Foster School of Medicine

El Paso, Texas

8/13 – 4/14 Search Committee for Pathology Clinical Medical Educator,

Member

Paul L. Foster School of Medicine

El Paso, Texas

8/12 – 3/13 Search Committees for Surgical Pathologist, Neuropathologist, and

Pathologist Educator Positions

University of Oklahoma Health Sciences Center

Oklahoma City, Oklahoma

MEDICAL STUDENT SERVICE

10/13 – 5/14 Faculty Advisor for Jonathan Lavezo, MS3-MS4

Paul L. Foster School of Medicine

El Paso, Texas

Current position: Pathology resident at Stanford University

Medical Center

12/13 – Present Pathology Interest Group, Faculty Co-sponsor

Paul L. Foster School of Medicine

El Paso, Texas

12/13 – 5/15	Catholic Medical Association, Faculty Sponsor Paul L. Foster School of Medicine El Paso, Texas
4/14-5/16	Faculty Advisor for Mark Girton, MS3-MS4 Paul L. Foster School of Medicine El Paso, Texas Current position: Pathology resident at University of Virginia
1/15 - 5/16	Faculty Advisor for Cynthia Reyes-Barron, MS3-MS4 Paul L. Foster School of Medicine El Paso, Texas Current position: Pathology resident at University of Rochester
1/15 - 5/16	Faculty Advisor for Jacob Smith, MS3-MS4 Paul L. Foster School of Medicine El Paso, Texas Current position: Pathology resident at University of Pittsburgh Medical Center
1/15 - 5/16	Faculty Advisor for James Gaulding, MS3-MS4 Paul L. Foster School of Medicine El Paso, Texas Current position: Pathology resident at Vanderbilt University

PROFESSIONAL ACTIVITY

7/09 – 6/11 Anatomic and Clinical Pathologist

Kaiser Permanente Hospital San Francisco, California

PROFESSIONAL MEMBERSHIPS

United States and Canadian Academy of Pathology, Member College of American Pathologists, Member American Society for Clinical Pathology, Member Group for Research in Pathology Education, Member

SCHOLARLY ACTIVITY

1. Jonathan L. Lavezo, Elmus G. Beale, Naomi L. Lacy, Tanis Hogg, Osvaldo Padilla, and Veronica Y. Velasco. Cadaver Biopsies Positively Impact the Medical Student Educational Experience. Manuscript submitted March 2017. Medical Science Educator, submission ID: MDSE-D-17-00024.

- 2. Vincent Battafarano, Ellen Dudrey, Niti Manglik, Cynthia Perry, Veronica Velasco, and Dolgor Baatar. Impact of self-tests on medical student performance on pathology examinations. Paul L. Foster School of Medicine Research Symposium, El Paso, Texas. November 2016. Poster.
- 3. Cynthia Reyes Barron, Jaime Pacheco, Veronica Velasco, Jacob Smith, Mark Girton, Christopher Dodoo, Alok Dwivedi, and Osvaldo Padilla. Cholelithiasis associations with respect to gallstone size and number. College of American Pathologists, Las Vegas, Nevada. September 2016. Poster.
- 4. Jonathan Lavezo, Elmus Beale, Naomi Lacy, Tanis Hogg, Osvaldo Padilla, and Veronica Velasco. Cadaver Biopsies in an Integrated Curriculum Improves Medical Student Educational Experience and Increases Interest in Pathology. Stanford Pathology Research Retreat, Stanford, California. April 2016. Poster
- 5. Harrison, Pam. Cadaver Biopsies Pique Student Interest in Pathology. Medscape Medical News. http://www.medscape.com/viewarticle/853652. November 2015. Interview for Medscape Online Article.
- 6. Jonathan L. Lavezo, Elmus G. Beale, Naomi L. Lacy, Tanis Hogg, Osvaldo Padilla, and Veronica Y. Velasco. Cadaver Biopsies in an Integrated Curriculum Improves Medical Student Educational Experience and Increases Interest in Pathology. American Society for Clinical Pathology, Long Beach, California. October 2015. Oral poster presentation.
- 7. Osvaldo Padilla, Komola Azimova, Veronica Velasco, Staci Bryson, and Naomi Lacy. Acceptance of student generated/faculty reviewed lecture synopses as a study tool. International Association of Medical Student Educators, Nashville, Tennessee. June 2014. Poster.
- 8. Jonathan Lavezo, Osvaldo Padilla, Elmus Beale, and Veronica Velasco. Use of Cadaver Biopsies in an Integrated Curriculum. Paul L. Foster School of Medicine Research Symposium, El Paso, Texas. May 2014. Poster.
- 9. Osvaldo Padilla, Naomi L. Lacy, Veronica Velasco, and David Steele. Teaching Pathology in a Clinical Scheme-Based Curriculum: Three Year Experience at Paul L. Foster School of Medicine. Group for Research in Pathology Education, Galveston, Texas. January 2014. Poster.
- 10. Velasco, VY, Galan K, Gattuso P, Green LK. A review of 68 metastatic malignancies of inguinal lymph nodes diagnosed by superficial FNA: Where, oh, where may the primary tumor be? American Society of Cytopathology, Toronto, Canada. November 2006. Poster.
- 11. Robertson HA, Velasco V, Gutierrez C, Anderson ML. Ascites, elevated CA125 and a large adnexal mass: Report of an enteroovarian fistula. Obstetrics and Gynecology 2006; 108; 764-766.

STACEY VANVLIET, M.D.

801 7TH AVENUE, FORT WORTH, TX 76014-2796 <u>STACEY.VANVLIET@COOKCHILDRENS.ORG</u>, (314)630-8732

EDUCATION

Bachelor of Science-Biology

Magna cum Laude

University of Missouri-Columbia 2008

Doctor of Medicine

University of Missouri-Columbia School of Medicine 2012

Pediatric Residency

Vanderbilt University 2015

BOARD CERTIFICATION AND LICENSURE

American Board of Pediatrics

Board Certified October 2015

PALS/BLS

Certified through 2018

EMPLOYMENT HISTORY

Vanderbilt University, July 2012-June 2015 Cook Children's Medical Center, September 2015-Present

HONORS AND AWARDS

Phi Beta Kappa, Inducted 2008 Alpha Omega Alpha, Inducted 2012

MEDICAL EDUCATION EXPERIENCE

Residency Recruitment Team, 2012-2015 Resident Advisory Council, 2013-2015 Residents as Teachers Longitudinal Curriculum, 2014-2015 Vanderbilt School of Medicine Simulation Educator, 2014-2015 Cook Children's Hospitalist Group Education Chair, 2017

COMMITTEE WORK

Children's Hospitals of Texas (CHAT) Bronchiolitis Collaborative Chairperson Antimicrobial Stewardship Committee 4P Physician Champion

PUBLICATIONS

Towards High-Value Care: A Quality Improvement Initiative to Reduce Unnecessary Repeat Complete Blood Counts and Basic Metabolic Panels on a Pediatric Hospitalist Service. Hospital Pediatrics. October 2015.

Virginia E. Watson, M.D.

5116 Cliffrose Lane Fort Worth, Texas 76109 (817) 805-2027 gingerwatsonmd@yahoo.com

CURRENT EMPLOYMENT IPS Physicians Group/Acclaim – Hospitalist & In

JPS Physicians Group/Acclaim – Hospitalist & Inpatient Teaching Attending John Peter Smith Hospital	11/2012- Present Fort Worth, TX
EDUCATION & POSTGRADUATE TRAINING Family Medicine Resident John Peter Smith Hospital	7/2009-9/2012 Fort Worth, TX
Kawasaki Disease Postdoctoral Research Fellow University of California San Diego	9/2007-3/2009 San Diego, CA
Clinical Surgery Research Fellow Shriners Hospital for Burned Children	7/2005-7/2006 Galveston, TX
General Surgery Resident Baylor College of Medicine	7/2003-6/2005 Houston, TX
M.D. with Honors University of Texas Medical Branch	8/1999-5/2003 Galveston, TX
M.S. in Molecular Pathology University of Texas Graduate School of Biomedical Sciences	8/1997-5/1999 Houston, TX
B.S. in Neuroscience with Honors Trinity College	8/1993-5/1997 Hartford, CT

BOARD CERTIFICATION AND MEDICAL LICENSE

American Board of Family Medicine (2012)

TX Medical License M5573

MEDICAL SCHOOL AWARDS

AOA Medical Honor Society (August 2002)

James W. McLaughlin Award for Excellence in Infectious Diseases/Immunology Research; 42nd Annual National Student Research Forum (April 2001)

Best Overall Clinical Sciences Research; UTMB Medical Student Summer Research (July 2000)

NIH T32 Emerging Infectious Disease Medical Student Travel Fellowship (May 2000)

PUBLICATIONS & ABSTRACTS PRESENTED

Son MB, Gauvreau K, Burns JC, Corinaldesi E, Tremoulet AH, **Watson VE**, Baker A, Fulton DR, Sundel RP, Newburger JW. *Infliximab for intravenous immunoglobulin resistance in Kawasaki disease: a retrospective study*. J Pediatr. 2011;158(4):644-649.

Fury W, Tremoulet AH, **Watson VE**, Best BM, Shimizu C, Hamilton J, Kanegaye JT, Wei Y, Kao C, Mellis S, Lin C, Burns JC. *Transcript abundance patterns in Kawasaki disease patients with intravenous immunoglobulin resistance*. Hum Immunol. 2010;71(9):865-73.

- Popper SJ, **Watson VE**, Shimizu C, Kanegaye JT, Burns JC, Relman DA. Gene transcript abundance profiles distinguish Kawasaki disease from adenovirus infection. *J Infect Dis*. 2009;200(4):657-66.
- Kanegaye JT, Wilder MS, Molkara D, Frazer JR, Pancheri J, Tremoulet AH, **Watson VE**, Best BM, Burns JC. Recognition of a Kawasaki disease shock syndrome. *Pediatrics*. 2009;123(5):e783-9.
- Shike H, Quan P, Shimizu C, Burns JC, Kanegaye JT, Pancheri J, **Watson VE**, Briese T, Palacios G, Kapoor V, Hui J, Villari J, Conlan S, Lipkin WI. *Detection of RNA Viruses in Kawasaki Disease by Mass Tag PCR, Microarray and metagenomics*. 9th International Kawasaki Disease Symposium: Taipei, Taiwan. April 10-12, 2008.
- Watson VE, Sherwood ER, Villarreal C, Hawkins HK, Herndon DN. Factors Influencing an Increase in Acute Mortality at the Shriners Hospital for Burned Children, Galveston, TX: A Retrospective Analysis (1999 to 2004). 1st Annual Academic Surgical Congress: San Diego, CA. February 10, 2006.
- **Watson VE**, Hill L, Owen-Schaub LB, Davis DW, McConkey DJ, Jagannath C, Hunter RL, Actor JK. *Apoptosis in Mycobacterium tuberculosis infection in mice exhibiting varied immunopathology*. J Pathology 2000; 190: 211-220.
- Actor JK, Leonard CD, **Watson VE**, Wells A, Jagannath C, Hunter RL, Dasgupta A. *Cytokine mRNA and expression and serum cortisol elevation during murine lung inflammation induced by Mycobacterium tuberculosis*. Combinatorial Chemistry & High Throughout Screening 2000; 3: 343-351.
- **Watson VE**, Fraga LA, Correa-Oliveira R, Vaidya S, Harn DH, Doughty BL. *SMP40 T Cell epitope mapping in Brazilian children with intestinal schistosomiasis*. 42nd Annual National Student Research Forum: Galveston, TX. April 4, 2001.
- Okhuysen P, Robbinson P, **Watson VE**, Actor JK, Lewis D, Lahoti S, Cron S, Shahab I, Chappell C, White AC. *Intestinal IL-15 and IFN-γ in Cryptosporidiosis*. 6th Conference on Retroviruses and Opportunistic Infections: Chicago, IL. February 4, 1999.
- Watson VE, Leonard CD, Owen-Schaub L, Hill L, Jagannath C, Hunter RL, Actor JK. Differential FAS and FAS Ligand Expression Following Acute Mycobacterium tuberculosis Infection in Susceptible and Resistant Mice. 38th Interscience Conference on Antimicrobials and Chemotherapy: San Diego, CA. September 24, 1998; UT-Houston Research Day: Houston, TX. October 2, 1998.
- Watson VE, Leonard CD, Owen-Schaub L, Hill L, Jagannath C, Hunter RL, Actor JK. *Immunopathology During Mycobacterial Infection in Susceptible and Resistant Mice*. Gulf Coast Tropical Medicine Meeting: Galveston, TX. June 7, 1998.
- Armitage L, Watson VE, Hunter RL, Actor JK, Wanger A. Effect of Antigen 85A and 85B Mutations on the Interaction of Mycobacterium tuberculosis with Macrophages. 98th General Meeting of the American Society for Microbiology: Atlanta, GA. May 21, 1998.

INTERNATIONAL CLINICAL & RESEARCH EXPERIENCE

- Soweto, South Africa (February 2003): Surgery elective at Baragwanath Hospital with an emphasis on trauma and medical management with limited resources.
- Danang, Vietnam (December 2001): OB/GYN elective at Danang General Hospital.
- Belo Horizonte, Brazil (June-August 2000): Field research in rural Brazil to assess the impact of various Schistosomal egg antigen epitopes on immune modulation in the local pediatric population.
- Accra, Ghana (June-August 1999): With Global Volunteers I participated in clinical activities, including patient assessment and wound care, while working under the direction of local health care providers.
- *Nairobi, Kenya* (June-August 1997): School for Field Studies student researching the interactions of wildlife populations and the local tribes.

—TCU and UNTHSC— School of Medicine





Appendix H: Curricula Vitae for Support Faculty

Razaq Badamosi, MD Curriculum vitae

Date Prepared: February 26th, 2017

Name: Razaq Badamosi, MD, FCCP, RDCS Address: 405 Majestic CT. Keller Texas 76248

Phone: 313-806-4906

E-Mail: Razeeza@gmail.com

Citizenship: United States

Place of Birth: Nigeria.

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
09/2013- Present	Assistant Professor	Internal Medicine, Pulmonary and Critical Care Medicine	UT Southwestern Medical Center Dallas, Texas
06/2008- 06/2012	Assistant Professor	Medicine	Wayne State University, Detroit Michigan

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
06/2012- 08/2013	Attending Staff Physician	Pulmonary and Critical Care Medicine	Trinity Mother Frances Hospital Tyler, Texas
06/2008- 06/2012	Senior Staff Physician	Pulmonary and Critical Care Medicine	Henry Ford Hospital, Detroit, Michigan
09/2013- current	Attending Staff Physician	Pulmonary and critical care medicine	Parkland Memorial Hospital, Dallas, Texas
02/2017- current	Attending Staff Physician	Pulmonary and Critical care Medicine	JPS Hospital Fort Worth

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
12/1990- 09/1997	MBBS	Bachelor of Medicine and Bachelor of Surgery	University of Jos, Nigeria

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
06/2002- 06/2005	Residency	Internal Medicine	Maimonides Medical Center, Brooklyn, New York
06/2005- 06/2008	Fellowship	Pulmonary & Critical Care Medicine	Henry Ford Hospital, Detroit, Michigan
06/2008- 06/2010	Advanced Bronchoscopic Training	Endobronchial Ultrasound	Henry Ford Hospital, Detroit, Michigan
06/2008- 01/2011	Instructor	Advanced Cardiac Life Support	Henry Ford Hospital, Detroit, Michigan
01/2009	Certification	Critical care Ultrasonography	Henry Ford Hospital, Detroit, Michigan
10/2012	RDCS	Registered Diagnostic Cardiac sonographer	Henry Ford Hospital, Detroit, Michigan

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2015/2016	Outstanding Teaching Award	University of Texas southwestern Dallas, Department of Internal Medicine
06/2008-2012	Press Ganey- Patient Satisfaction	Henry Ford Hospital, Michigan
10/2007	Best Case Presentation	American College of Chest Physicians
09/1997	Best Graduating Doctor	Jos University Medical School, Nigeria
1995-1996	Merit Scholarship Award for Academic Excellence	Jos University Medical School, Nigeria
1993	Distinction in Anatomy	Faculty of Medical Sciences, University of Jos, Nigeria

Other Professional Positions

Year(s)	Position Title	Institution
06/2008- 06/2012	Faculty and Instructor Critical Care Ultrasound	Henry Ford Hospital, Detroit, Michigan
06/2011-	Instructor Clinical Ultrasonography	Wayne State Medical School

06/2012

Current Licensure and Certification

License

Texas State Physician License Michigan State Medical License.3..

Board and Other Certification

American Registry of Diagnostic and Medical Sonography (RDCS-Adult Echocardiography)

American Board of Internal Medicine: Critical Care Medicine, Board Certified American Board of Internal Medicine: Pulmonary Diseases, Board Certified American Board of Internal Medicine: Internal Medicine Board Certified

USMLE

ECFMG Certification

Invited Lectures

Cavitary Non Tuberculous Mycobacteria Masking the Diagnosis of Lung Adenocarcinoma in an Immunocompetent 32 year old patient. ACCP Presentation, Salt Lake City, Utah, October 2006

HIV Infection and AIDS in the ICU, Critical Care Grand Rounds- Henry Ford Hospital, Detroit, Michigan, August 2007

Asbestosis and Asbestos related Lung Disease, Pulmonary Grand Rounds- Henry Ford Hospital, Detroit, Michigan, April 2008

Venous Thromboembolism, Internal Medicine- Henry Ford Hospital, Detroit, Michigan, February 2010

Bibliography

Original Research Articles

Eyad Kawar, Abdel-Ghanie Abu-Samra, Juan B. Iribarren, Mahmoud Mahafzah, and Razaq **Badamosi** MORTALITY PREDICTORS IN CANCER PATIENTS ADMITTED TO THE INTENSIVE CARE UNIT; DEVELOPING THE HENRY FORD SCORE Am. J. Respir. Crit. Care Med. 181: A1625.

Ogbu, O. and R. **Badamosi**

"ARE OFF-HOURS ADMISSIONS TO THE ICU ASSOCIATED WITH DECREASED COMPLIANCE WITH THE SEPSIS RESUSCITATION BUNDLE?" Critical Care Medicine 2010 38(12): 399.

Sankalp Choudhri MD* Razaq **Badamosi** MD Robert Pensler MD Alan D. Betensley MD MICROBIOLOGY OF BRONCHOALVEOLAR LAVAGE FROM

SURVEILLANCE BRONCHOSCOPY IN LUNG TRANSPLANT RECIPIENTS Chest 2007 132 (4): 594c.

Deepti Verma, MD, Razaq **Badamosi**, MD, Shobha Sharma, DO, Monica Ghitan, MD, Edward Chapnick, MD, Nitin Bhanot, MD. THE YIELD OF BLOOD CULTURES IN COMMUNITY ACQUIRED CELLULITIS (CAC)

Razaq A. **Badamosi** MBBS, MD* Mike Simoff MD Megha Mohey MD CHANGES IN AIRWAY MICROBIOLOGY FOLLOWING PLACEMENT OF AIRWAY STENTS Chest 2007 132 (4): 519a.

Razaq **Badamosi**, M.D. Bruno DiGiovine, MD, Haris Rana, MD, IMPACT OF BLOOD CONSERVATION STRATEGY IN THE MEDICAL INTENSIVE CARE UNIT (THE ANEMIA BUNDLE)—Completed, pending Publication

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Experience:

Board Certified – Endocrinologist
Fellow of the American College of Endocrinology (FACE)
Adjunct Clinical Assistant Professor:

University of North Texas Health Science Center Endocrine Certification of Neck Ultrasounds (ECNU)

Diabetes and Thyroid Center of Fort Worth Chris Bajaj DO, PA President 7801 Oakmont Blvd., Suite 100 Fort Worth, Texas 76132 November 1, 2007 – present

Endocrinology and Reproductive Medicine of Tarrant Co. Grapevine, Texas September 2005 – October 2007

Clinical Research:

Principal Investigator, Hypoparathyroidism Registry "PARADIGHM", A natural history registry for patients with chronic hypoparathyroidism.

Principal Investigator, SaxaDapa5, A multi-Center, Randomised, Double-Blind, Active-Controlled, Parallel Group, Phase III, Trial to Evaluate the Safety and Efficacy of Saxagliptin 5 mg Co-administered with Dapagliflozin 5 mg compared to Saxagliptin 5 mg or Dapagliflozin 5 mg all given as Add-on therapy to Metformin in Patients with Type 2 Diabetes who have Inadequate Glycaemic Control on Metformin Alone.

Principal Investigator, A Long-Term Outcomes Study to Assess Statin Residual Risk Reduction with EpaNova in HiGh Cardiovascular Risk PatienTs with Hypertriglyceridemia (STRENGTH). Principal Investigator, Trial 1218.149: A 24 week randomized, double-blind, placebo-controlled, parallel group, efficacy and safety trial of once daily linagliptin, 5 milligrams orally, as add on to basal insulin in elderly Type 2 Diabetes Mellitus patients with insufficient glycaemic control

Principal Investigator, EX1250-4080: A trial comparing cardiovascular safety of insulin degludec versus insulin glargine in subjects with type 2 diabetes at high risk of cardiovascular events

Principal Investigator, NN1218-409: Efficacy and safety of FIAsp in basal-bolus regimen versus basal insulin therapy, both in combination with metformin in adult subjects with type 2 diabetes

Principal Investigator, CREDENCE Trial, a Phase III outcomes study evaluating treatment with canagliflozin on end stage kidney disease and vascular death in subjects with type 2 diabetes mellitus and nephropathy, 2015.

Sub-Investigator, NN1250-4252, A trial comparing the efficacy and safety of insulin degludec and insulin glargine 300 units/mL in subjects with type 2 diabetes mellitus inadequately treated with basal insulin with or without oral anti-diabetic drugs.

Sub-Investigator, LPS 14587, A randomized, active-controlled, parallel group, 16-week open label study comparing the efficacy and safety of the morning injection of Toujeo (insulin glargine-U300) versus Lantus in patients with type 1 diabetes mellitus.

Sub-Investigator, Harmony Outcomes Trial, A long term, randomized, double blind, placebo-controlled study to determine the effect of albiglutide, when added to standard blood glucose lowering therapies, on major cardiovascular events in patients with Type 2 diabetes mellitus.

Sub-Investigator, NN9535-3627: SUSTAIN5- Efficacy and safety of semaglutide once-weekly versus placebo as addon to basal insulin alone or basal insulin in combination with metformin in subjects with type 2 diabetes.

Sub-Investigator, A randomized, 30 week, active-controlled, open-label, 3-treatment arm, parallel-group multicenter study comparing the efficacy and safety of insulin glargine/lixisenatide fixed raio combination to insulin glargine alone and to lixisenatide alone on top of metformin in patients with Type 2 diabetes mellitus.

Sub-Investigator, NN5401-3941: BOOST®: SIMPLE vs. STEPWISE – A trial comparing the efficacy and safety of two different titration algorithms for insulin degludec/insulin aspart in subjects with type 2 diabetes mellitus previously treated with insulin glargine

Sub-Investigator, NN9535-3744: SUSTAIN 6- A long-term, randomized, double-blind, placebo-controlled, multinational, multi-center trial to evacuate cardiovascular and other long-term outcomes with semaglutide in subjects with type 2 diabetes.

Sub-Investigator, NN5401-4003: BOOST INTENSIFY A randomized trail comparing efficacy and safety after intensification with either insulin aspart once daily as addon or changing to basal bolus treatment with insulin degludec and insulin aspart in subjects with type 2 diabetes previously treated with insulin degludec/insulin aspart twice daily.

Service: Baylor Quality Alliance- member of Endocrinology

Subcommittee, 2014-present

Leadership Board Member, American Diabetes Association

2011

Post Graduate Training: University of Texas Medical Branch

Galveston, Texas

Fellowship – Endocrinology and Metabolism

July 2003 – June 2005

AACE Nuclear Medicine Course

August 2009

Certified Clinical Densitometrist International Society for Clinical Densitometry

April 2005

Education: D.O., University of North Texas Health Science Center

Texas College of Osteopathic Medicine

Fort Worth, Texas

August 1996 – May 2000

B.A., University of Texas at Austin

Austin Texas Major: Biology Minor: Chemistry

August 1992 - May 1995

Certifications: Board Certified in Endocrinology and Metabolism, 2005

American Board of Internal Medicine

Endocrine Certification of Neck Ultrasound
American Association of Clinical Endocrinology

Licensure: Texas State Board of Medical Examiners

Honors and Awards: Post Graduate

Bridges to Excellence, Diabetes Care Recognition

Voted "Top Doc" by Fort Worth Magazine,

2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, and

2017

Voted "Rising Star" by Texas Monthly 2013

Medical School

Dean's List, Clinical Rotations, 1998-1999

Sparks Foundation Scholarship, 1999

Honor Code Representative, Class of 2000, 1996-1998 Emergency Medicine Club Secretary, 1997 – 1998 *Undergraduate*

Alpha Epsilon Delta, Pre-Medical Honor Society, 1992 -95

Vice-President's Honor Roll, 1991 – 1992

Memberships: American Association of Clinical Endocrinologists

The Endocrine Society

American Diabetes Association American Medical Association

Publications: McNearney T, Bajaj C, Boyars M, Cottingham J, Haque A:

Total Parenteral Nutrition Associated Crystalline

Precipitates Resulting in Pulmonary Artery Occlusions and Alveolar Granulomas. *Digestive Diesases and Sciences*

48:1352-54, 2003

References: Furnished upon request

Saravanan Balamuthusamy (Bala) MD, FASN, FASDIN

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Education and Training:

➤ Bachelor of Medicine and Madras Medical College and Research

Bachelor of Surgery (MB, BS): Institute, Chennai, India.

June 1995 to May 2001 includes one year of

internship (May 2000 to May 2001)

GPA - 3.7/4

Masters of Public Health: Wichita State University, Wichita Kansas.

08/2001 to 05/2003

GPA - 4/4

> Internal Medicine PGY-1: Rosalind Franklin University of Medicine and

Science/Chicago Medical School, Chicago.

08/03 -07/04

➤ Internal medicine PGY2 and PGY3: Rosalind Franklin University School of

Medicine/Chicago medical school

(08/04 - 07/06)

➤ Chief Medical Resident: Rosalind Franklin University/ Chicago

Medical School (07/06 – 06/07)

➤ Nephrology Fellowship Tulane University (07/07 – 06/09))

> Chief Fellow Nephrology Fellowship (Tulane University-

July 2008- June 2009)

➤ Interventional Nephrology New Orleans April 2009 to July 2009

Academic Appointment

Clinical Instructor and Chief Resident, Rosalind Franklin University, Chicago 06/2006 to 06/2007

Chief Fellow: Tulane University: 06/2008 to 05/2009

Assistant Professor of Clinical Medicine: University of Arizona, College of

Medicine, 02/2012 to 10/2014

Associate Professor of medicine: University of North Texas, FW, TX; 11/2014 to

current

Administrative appointment:

- > Associate Director of Medical Education: Medical City Fort Worth (2015- present)
- Associate Program Director: Internal Medicine Residency Program (2015 to present)
- Director of Research : Internal Medicine Residency program , Medical City Fort Worth
- Director of Interventional Nephrology Training Program: PPG Vascular
- > Board of Director: National Kidney Foundation, Texas Chapter
- Curriculum Co-director: Internal Medicine Residency program, Medical City FortWorth
- Clinical Competency Committee Chairman: Internal Medicine Residency Program, Medical City Fort Worth
- **Leadership Committee: Medical City Forth Worth**

> Co-Chair: Graduate Medical Education Committee, Medical City Fort Worth

Research experience:

>	Prospective cross-over analysis of Dimesol dialyzer	PI (Tarrant Nephrology)	
	Lutonix trial	PI (Tarrant Nephrology)	
۶	Centros Flo prospective multicenter study	PI (Tarrant Nephrology)	
>	Predictors of cephalic arch stenosis	PI (Angiocare/ University of Ariona)	
>	Access flow and Cardiovascular Outcomes	PI (Angiocare Tucson)	
>	RESCUE Trial: Multicenter randomized double blinded case control study	PI (stent vs PTA for bare metal in-stent stenosis in hemodialysis)	
>	Split-tip vs symmetric tip catheter	PI, Angiocare (case control).	
>	Optimization of access flow through inflow banding	PI, Angiocare (Prospective analysis)	
>	Stent graft patency in AV fistula	PI, Angiocare (BARD vascular) (Prospective analysis)	
>			
	Swing site stenosis in AV fistulas	(Prospective analysis)	
>	Renin vein sampling in non-occlusive Renal artery stenosis	PI, Angiocare (Retrospective)	
	> Role of PACAP in cisplatin-induced Ak In mice models	Invitro (HK2 cells) and invivo studies in mice models (Dr.Batuman)	
	Mechanisms of Light Chain induced pr Tubule damage	oximal Invitro (HK2) cells (Dr.Batuman)	
	Renoprotective effects of statins in light Induced AKI models	chain Invitro (HK2) cells	
	 Role of RAAS blockade in chronic kidn Disease 	ey Review and Meta-Analysis	
	Regeneration of renal cells using oment Tissue	Basic Research at Heakton Institute of Medical Research (Dr.Singh)	
	> Decreased urinary peptide excretion	The Heakton Institute of Medical	

Manuscripts submitted for review:

Patients

in patients with renal failure

> Beta-blockers in diabetic hypertensive

and Cook County Hospital, Chicago

Meta-analysis of randomized trials

(Dr.Ashok Singh)

Arun Kannan and Saravanan Balamuthusamy. Endothelin antagonists in the management of resistant hypertension: Review of Literature. Submitted to American Journal Of clinical Hypertension.

Full text manuscripts published in peer reviewed journals:

- ➤ Saravanan Balamuthusamy, Peter Nguyen, Nishant Jalandhara, AVinash Vallurapalli, Suman Bireddy and Oladapo Afolabi. Self-Centering Split-Tip Catheter vs. Conventional Split-Tip Catheter In Prevalent Hemodialysis Patients: accepted for publication at Journal Of Vascular Access: 2016
- ➤ Saravanan Balamuthusamy^{1,2} Nishant Jalandhara, Anand Subramanian and Arvindselvan. Flow reduction in high-flow AV fistulas improve cardiovascular parameters and decreases need for hospitalization. **Hemodialysis International** 2015 Dec 14. doi: 10.1111/hdi.12387.
- ➤ Jalandhara N, **Balamuthusamy** S, Skaria S, Jalandhara P, Hansen J, Waiganjo N. Persistent Median Artery As A Cause Of Nonmaturing AV Fistula. Semin Dial. 2015 Mar 19. doi: 10.1111/sdi.12363. [Epub ahead of print]
- Arun Kannan, Raul Ivan Medina, Nagapradeep Nagajothi and Saravanan Balmuthusamy. Renal sympathetic Nervous system and the effects of Denervation of the renal arteries. World J Cardiol. 2014 Aug 26;6(8):814-23. doi: 10.4330/wjc.v6.i8.814.
- Kannan A, Poongkunran C, Balamuthusamy S. Effect of spironolactone in CV mortality in hemodialysis patients. J Am Coll Cardiol. 2014 Aug 5;64(5):528-9. doi: 10.1016/j.jacc.2014.03.053
- Saravanan Balamuthusamy, Arun Kannan, Raul Ivan Medina, Dean Ottley and Nishant Jalandara. Mild renal artery stenosis can induce Renovascular hypertension and is associated with elevated renal vein renin secretion. Semin Dial. 2014 Jun 18. doi: 10.1111/sdi.12256. [Epub ahead of print]
- Arun Kannan, Raul Ivan Medina, Borgstrom and Saravanan Balamuthusamy.
 Cardiovascular Mortality In ESRD Patients Undergoing Coronary Artery Bypass Grafting
 Vs Percutaneous Coronary Intervention- A Meta Analysis. Am J Ther. 2014 Jul 3. [Epub ahead of print
- ➤ Kannan A, **Balamuthusamy** S. Prognostic value of myocardial scar in atrial fibrillation. J Am Coll Cardiol. 2014 May 20;63(19):2055. doi: 10.1016/j.jacc.2013.12.037.
- ➤ Saravanan Balamuthusamy. Self centering split-tip catheter has better patency than symmetric tip tunneled Hemodialysis catheters. Semin Dial. 2014 Sep-Oct;27(5):522-8. doi: 10.1111/sdi.12190. Epub 2014 Jan 20.
- ➤ Khan AM, Li M, **Balamuthusamy S**, Maderdrut JL, Simon EE, Batuman V. Myeloma light chain-induced renal injury in mice. Nephron Experimental Nephrology. 2010;116(2):e32-41. Epub 2010 Jun 29.
- ➤ Mills KT, Hamm LL, Alper AB, Miller C, Hudaihed A, **Balamuthusamy** S, Chen CS, Liu Y, Tarsia J, Rifai N, Kleinpeter M, He J, Chen J. Circulating adipocytokines and chronic kidney disease. PLoS One. 2013 Oct 7;8(10):e76902

- Li M, **Balamuthusamy S**, Khan AM, Maderdrut JL, Simon EE, Batuman V. Pituitary adenylate cyclase-activating polypeptide prevents cisplatin-induced renal failure. J Mol Neurosci. 2011 Jan;43(1):58-66. Epub 2010 Jun 1.
- ➤ Zhang R, Paramesh A, Florman S, Yau CL, **Balamuthusamy S**, Krane NK, Slakey D.Long-term outcome of adults who undergo transplantation with single pediatric kidneys: how young is too young? Clin J Am Soc Nephrol. 2009 Sep;4(9):1500-6. Epub 2009 Aug 20.
- ➤ Paramesh A, Zhang R, Yau CL, **Balamuthusamy S**, Shenava R, Killackey M, Alper B, Simon E, Slakey D, Florman S. Long-term outcome of single pediatric donor kidney transplants between African-American and non-African-American adults. Clin Nephrol. 2009 Jul;72(1):55-61.
- Li M, **Balamuthusamy S**, Khan AM, Maderdrut JL, Simon EE, Batuman V.Pituitary adenylate cyclase-activating polypeptide ameliorates cisplatin-induced acute kidney injury.Peptides. 2009 Dec 23. [Epub ahead of print]
- Saravanan Balamuthusamy, Hamrahian Merdad, Rubin Zhang and Vecihi Batuman. Myeloma Kidney with Isolated tubulointerstitial Light Chain deposition in a renal allograft. Clinical Transplantation 2009 Nov-Dec;23(6):848-52.
- Saravanan Balamuthusamy; Ivo Lukitch; Eric E. Simon. Femoral vs Jugular Venous Catheterization for Short-term Dialysis Access. JAMA. 2008; 300(15):1760-1761.
- Saravanan Balamuthusamy, Anil Paramesh, Rubin Zhang, Sander Florman Rajesh Shenava, Tareq Islam, Janis Wagner, Mary Killackey, Brent Alper, Eric E Simon, and Douglas Slakey. The Effects of body mass index (BMI) on graft survival in adult recipients transplanted with single pediatric kidneys. Original article American Journal of Nephrology 2009;29(2):94-101.
- Min Li, Saravanan Balamuthusamy, Eric E. Simon, and Vecihi Batuman. Silencing megalin and cubilin genes inhibits myeloma light chain endocytosis and ameliorates toxicity in human renal proximal tubule epithelial cell. *Am J Physiol Renal Physiol* (April 30, 2008). doi:10.1152/ajprenal.00091.2008
- Senthil Nachiappan, Saravanan Balamuthusamy, Anand Irimpen and Patrick Delafontaine. Calcific Constrictive Pericarditis with Refractory Hypokalemia in a patient with Gitelman's syndrome- Am J Med Sci. 2009 Jan;337(1):74-6.
- ➤ Saravanan Balamuthusamy, Janos Molnar, Sasikanth Adigopula and Rohit Arora. Comparative analysis of Beta-blockers with other antihypertensive agents on cardiovascular outcomes in hypertensive patients with diabetes mellitus: A systematic review and meta-analysis. American Journal Of Therapeutics 2009 Mar-Apr;16(2):133-42.
- ➤ Balamuthusamy S, Srinvasan L, Verma M, Adigopula S, Jalandara N, Hathiwala S, Smith E. RAS blockade and Cardiovascular Outcomes in patients with Chronic Kidney Disease and Proteinuria: Meta-analysis: American Heart Journal. Volume 155, Issue 5, Pages 791-805 (May 2008)
- Nagapradeep Nagajothi, Saravanan Balamuthusamy, Sasikanth Adigopula, Sandeep Khosla. Pioglitazone decreases cardiovascular outcomes in patients with Diabetes Mellitus. American Journal Of Therapeutics 2008 Nov-Dec;15(6):506-11.

- ➤ **Balamuthusamy S**, Arora RR. Hematological Adverse effects of Clopidogrel. American Journal of Therapeutics. January/February 2007, Volume 14, Issue 1
- Arora R, **Balamuthusamy S**. Statins, diet, and low cholesterol. JAMA. 2006 Jun 7; 295(21):2479; 2479-80.
- ➤ **Balamuthusamy S**, Khosla S, Benatar D, Arora RR. Myocardial infarction in a young African-American male due to myocardial bridging. Cardiology. 2006; 105(3):165-7. Epub 2006 Feb 10.
- ➤ **Balamuthusamy S**, Desai B. MRI changes in cocaine induced Toxic encephalopathy. International Journal of Medicine and Psychiatry. www.priory.com/psych/toxicencephelopathy.pdf.
- ➤ **Balamuthusamy S**, Arora RR. Diffuse pulmonary hemorrhage and thrombocytopenia as a complication of eptifibatide, acetylsalicylic acid and Clopidogrel. Online Journal of Cardiology.0ct 14, 2005.
- ➤ Balamuthusamy, Saravanan; Khosla, Sandeep; Meka, Srinivasa; Srinivasan, Lavanya; Ahmed, Aziz; Benatar, Daniel; Trivedi, Atul; Siddique, Mumtaz; Arora, Rohit Clinical Utility of Cardiac Troponin I in the Diagnosis of Acute Coronary Syndrome in Patients With Renal Failure. Original Article: American Journal of Therapeutics. 14(4):356-360, July/August 2007

National and International Oral Presentations:

- Saravanan Balamuthusamy^{1, 2}, Joylon Schilling³, Omid Bhaktar², Natasha Sharda¹, Sangeeta Murugapandian², Prakash Gautam² and Nishant Jalandhara. Flow reduction in high-flow AV fistulas improve cardiovascular parameters and decreases need for hospitalization. ASDIN 2014 Conference.
- Saravanan Balamuthusamy: Tunneled central venous catheters in hemodialysis. CIDA 2013 Conference at San Francisco
- ➤ Saravanan Balamuthusamy: Renal sympathetic nervous system and the effects of denervation of the renal arteries: A Nephrologists perspective: 2nd International Conference of Nephrology and Therapeutics, Las Vegas.
- Saravanan Balamuthusamy, Benjamin Estes, Mark Taylor, Sasha Monty and John Lucas. Stent grafts are superior to angioplasty in improving patency in juxta-anastomosis stenosis in AV fistulas. Oral presentation at ASN 2010 San Diego.
- Saravanan Balamuthusamy, Min Li, Eric E Simon and Vecihi Batuman. Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP-38) reduces apoptosis and renal tubular damage in Cisplatin induced AKI. *Young Investigator Forum*t; Kidney and Electrolyte session at the Southern Society of Clinical Investigation, 2008 at New Orleans.
- ➤ Saravanan Balamuthusamy, Rajesh Shenava, Rubin Zhang, Tariq Islam, Anil Paramesh and Brent Alper. Renin Angiotensin System (RAS) blockade improves graft survival in adults transplanted with single pediatric kidneys A Retrospective analysis. Southern Society of Clinical Investigation, 2008 at New Orleans.

- ➤ **Balamuthusamy S** Molnar J Arora R Hathiwala S Smith E. Combination of beta-blockers and diuretics increase the occurrence of new onset diabetes mellitus in hypertension: a meta-analysis (World Congress of Nephrology, 2007 at Rio De Janero, Brazil).
- Nagapradeep Nagajothi, **Saravanan Balamuthusamy**, Sasikanth Adigopula, Sandeep Khosla. Pioglitazone decreases cardiovascular outcomes in patients with Diabetes Mellitus. Annual AHA scientific sessions held at Orlando, 2007.
- > S. Balamuthusamy, J. Molnar, A. Arora, S. Hathiwala, M. Stancu, V. Kodumuri, E. Smith. Rosalind Franklin University, North Chicago, United States of America. ACE inhibitors are superior to betablockers in decreasing the risk for cardiovascular and total mortality in hypertensive patients with diabetes mellitus. Featured Oral Presentation at the European Society of Cardiology Conference 2007-2008, held at Vienna, Austria
- Rohit Bhuriya, Janos Molnar, Nishant Jalandhara, Sasikanth Adigopula, **Saravanan Balamuthusamy**, Rohit Arora. Aortic Stiffness Measured by Pulse Wave Velocity Method Predicts Stroke. ACC Oral Contributions Chicago 2008.

Abstracts published:

- Srinath Sundararajan, MD, Mugilan Poongkunran, MBBS*, Chithra Poongkunran, MD*, Arun Kannan, MD*, and Saravanan Balamuthusamy, MD FASN*, Efficacy and Bleeding Risk of Newer Anticoagulants Compared to Conventional Treatment in Patients with Chronic Kidney Disease- a Meta-Analysis of Randomized Controlled Trials. December 3, 2015; Blood: 126 (23)
- Saravanan Balamuthusamy (1, 2), Peter Nguyen (1), Suman Bireddy (1), Avinash Vallurapalli (1) Raju Raghunath(3) and Oladapo Afolabi (1). Clinical Predictors of recurrent stenosis and the need for re-intervention in the cephalic arch in patients with brachio-cephalic AV fistulas. ASDIN 2015 conference at Orlando
- ➤ Rick Mishler (1), **Saravanan Balamuthusamy** (2,3. Basilic Vein transposition fistulas created by a Nephrologist: 8 year experience. ASDIN 2015 conference at Orlando
- > Saravanan Balamuthusamy, Arun Kannan, Raul Ivan Medina, Dean Ottley and Nishant Jalandara. Mild renal artery stenosis can induce Renovascular hypertension and is associated with elevated renal vein renin secretion. ASDIN 2014.
- Arun Kannan, Univ of Arizona, Tucson, AZ; Saravanan Raul Medina, Angiocare, Tucson, AZ; Nagapradeep Nagajothi, Cardiovascular Consultants, Canton, OH; Mark Borgstrom, Univ of Arizona, Tucson, AZ, **Balamuthusamy**, **Angiocare**, Cardiovascular Mortality In ESRD Patients Undergoing Coronary Artery Bypass Grafting Vs Percutaneous Coronary Intervention- A Meta Analysis. Accepted for poster presentation at American Heart Association conference 2013.
- > <u>Saravanan Balamuthusamy.</u> Renal sympathetic nervous system and the effects of denervation of the renal arteries: A Nephrologists perspective: 2nd International Conference of Nephrology and Therapeutics, Las Vegas July 2013.

- ➤ <u>Saravanan Balamuthusamy</u>, Arun Kannan, Raul Medina, Sireesha Koppula, Tehli Huo, Nishant Jalandhara Role of Renin Vein sampling in patients with refractory hypertension and non-occlusive renal artery stenosis. TRENDS; CSI Germany, Frankfurt February 2013
- ➤ Katherine T Mills¹; L Lee Hamm²; Brent Alper²; Chad Miller²; Alhakam Hudaihed²; <u>Saravanan Balamuthusamy²</u>; Chung-Shiuan Chen¹; Yanxi Liu¹; Joseph Tarsia²; Nader Rifai³; Myra Kleinpeter²; Jing Chen. Circulating Adipocytokines and Risk of Chronic Kidney Disease. Circulation 2013 Print ISSN: 0009-7322Online ISSN: 1524-4539.
- Saravanan Balamuthusamy, Benjamin Estes, Mark Taylor, Sasha Monty and John Lucas. Stent grafts are superior to angioplasty in improving patency in juxta-anastomosis stenosis in AV fistulas. Oral presentation at ASN 2010 San Diego.
- Altaf M. Khan¹, Min Li¹, <u>Saravanan Balamuthusamy</u>, Kristine E. Gullo¹, Wei Cai¹, Jerome L. Maderdrut², Eric E. Simon¹ and Vecihi Batuman¹. Development of A Mouse Model of Myeloma Kidney using Human Myeloma Light Chains. Presented as poster at Tulane Research Day-2009.
- Min Li, Saravanan Balamuthusamy, Wei Cai1, Kristine E. Gullo1, Jerome L. Maderdrut, Thomas G. Voss, Eric E. Simon and Vecihi Batuman. Pituitary Adenylate Cyclase-Activating Polypeptide Ameliorates Cisplatin-Induced Renal Injury In Vitro and In Vivo. Accepted for poster presentation in American Society of Nephrology 2008 at Philadelphia and JASN supplement November 2008.
- Saravanan Balamuthusamy, Min Li, Christina Primo, Ana Wei, Eric E Simon and Vecihi Batuman. Statins decrease cytotoxicity and reduce IL6 and MCP1 release in light chain treated HK2 cells. JASN supplement November 2008.
- Jing Chen, MD, MS; Brent Alper, MD; Chad Miller, MD; Myra A. Kleinpeter, MD; Saravanan Balamuthusamy, MD; Kathryn Royse, MPH; Chung-Shiuan Chen, MS; Lindsey Powers, BS; Tarsia, Joseph, MS; Nader Rifai, PhD; L Lee Hamm, MD. Plasma levels of leptin, resistin, and adiponectin and risk of chronic kidney disease. Accepted for poster presentation in American Society of Nephrology 2008 at Philadelphia and JASN supplement November 2008.
- Nishant B. Jalandhara, **Saravanan Balamuthusamy**, Khosla Sandeep and Priyanka B. Jalandhara. Effects of Ultrafiltration on Renal Function in Treatment of Patients with Acute Decompensated Heart Failure: A Meta-Analysis. Journal of Cardiac Failure. Volume 14, Issue 6, Supplement 1, August 2008, Page S91
- ➤ Saravanan Balamuthusamy and Brent Alper Tissue ACE inhibitors are not superior to Plasma ACE inhibitors in decreasing cardiovascular events in hypertensive patients with Chronic Kidney Disease (CKD): A Meta-analysis. Poster presentation in American Society of Hypertension 2008 in New Orleans
- > Senthil Nachimuthu, **Saravanan Balamuthusamy**, Anand Irimpen and Patrice Delafontaine. Persistent hypokalemia in a patient with refractory ascitis. Poster presentation at the Regional ACC conference 2007 in New Orleans, Louisiana.
- Saravanan Balamuthusamy, Rajesh Shenava, Anil Paramesh, Rubin Zhang and Brent Alper. Comparative analysis of Hypertensive and Non-Hypertensive adult ESRD patients transplanted with single pediatric kidneys- A retrospective analysis. Poster presentation in American Society of Hypertension 2008 in New Orleans and Journal of Clinical hypertension May 2008 Supplement.
- Saravanan Balamuthusamy, Rajesh Shenava, Rubin Zhang, Tariq Islam, Anil Paramesh and Brent Alper. Renin Angiotensin System (RAS) blockade improves graft survival in adults

- transplanted with single pediatric kidneys A Retrospective analysis. Accepted for Oral presentation at the Southern Society Research Conference 2008 at New Orleans.
- Paramesh AS, Florman SS, Zhang R, Killackey MT, Balamuthusamy S, Nguyen Q, Alper BA, Slakey DS. The Use of Single Pediatric Kidney Transplants in Obese Adult Recipients:Does Size Mismatch Really Matter? Poster presentation at the Winter Transplantation Conference 2008 at Florida
- Saravanan Balamuthusamy, Sasikanth Adigopula, Meenakshi Verma, Lavanya Srinivasan and Earl Smith. ACE inhibitors and cardiovascular outcomes in patients with renal failure: A meta-analysis. Accepted for poster presentation at ASN Renal week 2007 and JASN October 2007 Supplement.
- Nagapradeep Nagajothi, Saravanan Balamuthusamy, Sasikanth Adigopula, Sandeep Khosla. Pioglitazone decreases cardiovascular outcomes in patients with Diabetes Mellitus. Accepted for oral presentation at the annual 2007 AHA scientific sessions held at Orlando.
- Meenakshi Verma, **Saravanan Balamuthusamy** and Earl Smith. RAS blockade is comparable to control antihypertensive therapy in reducing cardiovascular outcomes in hypertensive patients with diabetic nephropathy. Accepted for poster presentation at ASN Renal week 2007 and JASN October 2007 Supplement.
- Amol Bahekar, Paari Dominic, Saravanan Balamuthusamy and Sandeep Khosla. Intraaortic Balloon Pump does not Improve Cardiovascular Outcomes in Patients with Acute Myocardial Infarction: A Meta-Analysis. Accepted for poster presentation at the annual 2007 AHA scientific sessions held at Orlando. Circulation. 2007;116:II_720
- Nishant Jalandara, Saravanan Balamuthusamy and Earl Smith. ACE inhibition and Cardiovascular Outcomes in Hypertensive patients with renal failure: A Meta-analysis. Accepted for poster presentation at ASN Renal week 2007 and JASN October 2007 Supplement..
- S. Balamuthusamy, J. Molnar, A. Arora, S. Hathiwala, M. Stancu, V. Kodumuri, E. Smith. Rosalind Franklin University, North Chicago, United States of America. ACE inhibitors are superior to betablockers in decreasing the risk for cardiovascular and total mortality in hypertensive patients with diabetes mellitus. Accepted for Featured Oral Presentation at the European Society of Cardiology Conference 2007-2008, held at Vienna, Austria.
- **Balamuthusamy S**, Meka S, Khosla S, Srinivasan L, Saha S. Clinical utility of cardiac troponins I in patients with renal failure. Catheterization and Cardovascular Intervention Supplement. May 2006. (SCAI May/2006)
- Balamuthusamy S, Sengodan M, Benatar D. Efficacy of Beta-blockers in patients with Myocardial Bridging. Catheterization and Cardovascular Intervention Supplement. May 2006. (SCAI May/2006)
- **Balamuthusamy S**, Cheng J, Hathiwala S, Ahmed M, Smith E. Beta- Blockers are inferior to Calcium cannel blockers for the occurrence of new onset renal failure in patients with Hypertension. JASN Suppl. November 2006 (American Society of Nephrology'Nov 06)
- ▶ Balamuthusamy S, Srinivasan L, Das A, Jalandara N, Smith E. Cardiac Troponin I Has Low Negative Predictive Value For The Detection Of Occlusive Coronary Artery Disease In Patients With Renal Failure. AJKD Volume 49, Issue 4, Pages 499-562 (April 2007)

- **Balamuthusamy S**, Mapakshi N, Das A, Hathiwala S, Arora R, Smith E .Statins Decrease The Risk Of Myocardial Infarction, Coronary Heart Disease And Vascular Events In Patients With Renal Failure. AJKD Volume 49, Issue 4, Pages 499-562 (April 2007)
- **Balamuthusamy S** Molnar J Arora R Hathiwala S Smith E. Combination of beta-blockers and diuretics increase the occurrence of new onset diabetes mellitus in hypertension: a meta-analysis (Oral Presenattion). Kidney International (in press)
- ➤ Balamuthusamy S, Molnar J, Khosla S, Adigopula S, Bhuriya R, Jalandara N, Arora R. Statins Decrease the Risk of Acute Myocardial Infarction and Coronary Heart Disease Mortality in Patients With Renal Failure: A Meta-Analysis (Control#: 347064) in a ACC.Poster Session. J Am Coll Cardiol, 2007; 49:184-253, doi:10.1016/j.jacc.2007.01.039
- **Balamuthusamy S**, Molnar J, Jalandara N, Das A, Khosla S, Arora R. Beta-blockers increase risk for Major Cardiovascular events in hypertension patients with diabetes mellitus: A meta-analysis. Catheterization and Cardiovascular Intervention; Supplement May 2007
- Saravanan Balamuthusamy, MD¹, Janos Molnar, PhD¹, Rohit Arora, MD¹, Suresh Hathiwala, MD², Jen Cheng, MD¹ and Earl Smith, MD². Beta-blockers and Risk for Stroke in Hypertensive Patients with Diabetes Mellitus. Journal of Clinical Hypertension. Vol (9); 5 Supplement A
- Saravanan Balamuthusamy, MD¹, Rohit Arora, MD¹, Suresh Hathiwala, MD², Arjun Das, MD¹, Sasikanth Adigopula, MD¹, Meenakshi Verma, MD¹ and Earl Smith, MD². Cardiac Troponin I has Decreased Utility for Diagnosing Obstructive Coronary Artery Disease in Renal Failure patients with Sub-optimal Blood Pressure Control. Journal of Clinical Hypertension. Vol (9); 5 Supplement A

Lectures:

- Acute Kidney Injury: Pathophysiology and Management
- ➤ Hyponatremia: Water hemostasis
- > Hypo and Hyperkalemia: basics in renal physiology
- ➤ Nuts and Bolts of Vascular Access
- > Endovascular management of Dialysis vascular access
- Liver and kidney: pathophysiology
- Renal sympathetic nerve denervation: Nephrologists perspective
- Evaluation and Management of Chronic kidney disease: An update'
- > Tunneled central venous catheters
- Acid base: fundamentals and case s
- ➤ Hypertension: Pathophysiology and management
- > Proteinuria: know the basics

Honors and Awards:

- Fellow of the American Society of Nephrology 2010
- > Fellow of the American Society of Diagnostic and Interventional Nephrology 2016
- > Alpha Omega Alpha Honors Society ' 2007
- > Sigma Xi Honors Society ' 2007
- ➤ Medical Mystery: Illinois ACP chapter 2006

Professional membership:

- American College of physicians
- > National Kidney Foundation
- > American Heart Association -Kidney Council
- > American Society of Nephrology
- American Society of Diagnostic and Interventional Nephrology

Editorial Board:

- > World Journal of Cardiology
- Journal of Cardiology and Therapeutics

Ad-Hoc reviewer

- Lancet
- American Journal Of Cardiology
- American Journal Of Nephrology
- Kidney International
- Southern Medical Journal
- > American Journal of Transplantation
- Nephrology
- American Journal of Medical Sciences
- American Journal of Therapeutics

Certification and licensure:

- > ASH certified specialist in Clinical Hypertension
- ➤ ASDIN certified In Interventional Nephrology (2010)
- > ABIM Board Certified
- ➤ ABIM Nephrology certified (valid through 2019)
- > ECFMG certified (2003)
- ➤ Advanced Cardiac Life Support (current)
- > Arizona Medical Lisence (current)

Research Interests:

- > Dialysis vascular access maturation
- Renovascular hypertension
- > Protein biomarkers in systemic disorders
- > Hypertension
- > Protein trafficking in proximal tubules
- Renal regeneration.

References:

- 1. Dr. Pradeep Kadambi: Director of solid Organ Transplant; university of Arizona, Tucson
- 2. Dr. Arif Asif; Chief of Nephrology; University of Albany Medical Center; Albany, New York
- 3. Dr. Eric Simon; Chief of Nephrology, Tulane University Medical Center, New Orleans, Louisiana

RIM BANNOUT, M.D.

6805 St. Andrews Ct., Fort Worth, TX 76132

Home: (817) 346-7722 - Cell: (817) 228-6886 - Pager: (817) 654-5787

Education:

1985-1989 Doctor of Medicine

University of Miami - School of Medicine

Miami, Florida

1983-1985 Bachelor of Science, Chemistry

University of Florida Gainesville, Florida

1981-1983 Miami-Dade College

Miami, Florida

Post Graduate Training:

1992-1995 Cardiology Fellowship

UCLA - San Fernando Valley Program

Los Angeles, California

1989-1992 Internal Medicine Residency

UCLA - San Fernando Valley Program

Los Angeles, California

Work Experience:

2011 – Present Volunteer Faculty

UT-Southwestern Medical Center

Dallas, Texas

2005 – Present Director, Cardiovascular Education

Family Practice Program at JPS Health Network

Fort Worth, Texas

2001 – 2004 Assistant Clinical Professor

UT-Southwestern Medical Center

Dallas, Texas

1998 – Present Staff Cardiologist, John Peter Smith Hospital

Fort Worth, Texas

1998 – 2003 Medical Director, non-invasive cardio diagnostic

laboratory at John Peter Smith Hospital

Fort Worth, Texas

1995 – 1997 Associate Cardiologist, Regional Cardiology Associates

Sacramento, CA

1 | P a g e

Committees & Appointments

2017 Clinician Experience Project, JPS Health Network, Fort

Worth, Texas

2016-Present Joslin Diabetes Project, JPS Health Network, Fort

Worth, Texas

2010-Present Practitioner Advisory Council, JPS Health Network, Fort

Worth, Texas

2009-2011 CME Committee, JPS Health Network, Fort Worth,

Texas

2003-2010 Peer Review Committee, JPS Health Network, Fort

Worth, Texas

1998-2004 Guidelines and Pathways Committee, JPS Health

Network, Fort Worth, Texas

Certification & Licensure:

2017 Board Certified, American Board of Cardiovascular

Disease

2007 Board Certified, American Board of Cardiovascular

Disease

1998- Present State of Texas medical license No. K4364

1997 Board Certified, American Board of Cardiovascular

Disease

1990 State of California Medical License No. G69330

1990 National Board of Medical Examiners - Part III

1989 National Board of Medical Examiners - Part II

1987 National Board of Medical Examiners - Part I

Memberships:

Member of the American Society of Echocardiography

Fellow of The American College of Cardiology Member of The American Heart Association

Awards and Honors:

2011 Best Doctors 2011, Fort Worth Magazine

2010 Best Lecture Award, JPS Health Network

2 | Page

2009 Best Doctors 2009, Fort Worth Magazine 2008 Award for Outstanding Service and Dedication to the JPS Sport Medicine Fellowship 2004 Excellence in Specialty Teaching Award John Peter Smith Hospital America's Registry of Outstanding Professionals 2001 1998 Excellence in Specialty Teaching Award John Peter Smith Hospital 1985 President's Recognition Award for Outstanding Student at University of Florida 1984-Present Honor Member of Phi Kappa Phi 1984-Present Honor Member of Lota Sigmi Pi 1983-1985 President's Honor Roll at University of Florida (GPA: 4.00) 1983 Department Award Winner in Natural Science 1982 Recipient of William L. McKnight Academic Scholarship Emphasis on Excellence 1981-1983 Dean's Honor list at Miami-Dade Community College (GPA: 4.00)

Research:

The effect of Zinc supplementation on inflammatory cells infiltration and smooth muscle migration following vascular injury.

Participated in the multi-center Trial "STAT-CHF" evaluating the role of Amiodarone in congestive heart failure.

Publications:

Rana, Hetal, MD; Bannout, Rim, MD, FACC; JPS Health Network, Fort Worth, TX; An Unusual Case of Chest Pain; The Journal of Family Practice; Vol56, No12, Pages 1037-1038; December 2007:

Naiser, Jennifer A. DO; Schaller, Frederick A., DO, FACC; Bannout, Rim, MD, FACC; Tak, Tahir, MD, PhD; JPS Health Network, Fort Worth, TX; Kawasaki Disease Causing Giant Saccular Aneurysms of the Coronary Arteries; Texas Heart Institute Journal; 2008;

Rance E. Berg, Ph.D.

Current Position and Address

Associate Director, Medical Sciences M.S. Program

Graduate Advisor, Cell Biology, Immunology & Microbiology Graduate Program

Associate Professor

Institute for Molecular Medicine & Department of Medical Education

University of North Texas Health Science Center

3500 Camp Bowie Blvd. Fort Worth, Texas 76107 Office: (817) 735-2121

Lab: (817) 735-2158 Rance.Berg@unthsc.edu

Education

1988-1992 Bachelor of Science, Major: Biology, Minor: Chemistry

DePaul University, Chicago, IL Graduated Summa Cum Laude

1994-1999 Doctor of Philosophy, Immunology and Microbiology

The University of Colorado Health Sciences Center, Denver, CO

Professional Experience

1992-1994 Research Technician

The Don and Sybil Harrington Cancer Center, Amarillo, TX

(Advisor- Dr. Carl W. Pierce)

1995-1999 Predoctoral Fellow

National Jewish Medical and Research Center, Denver, CO

(Mentor- Dr. Uwe D. Staerz)

2000-2005 Postdoctoral Fellow

The University of Texas Southwestern Medical Center, Dallas, TX

(Mentor- Dr. James Forman)

2005-2012 Assistant Professor

University of North Texas Health Science Center, Fort Worth, TX

2007-2014 Graduate Advisor for the Microbiology and Immunology Graduate

Program

University of North Texas Health Science Center, Fort Worth, TX

2012-present Associate Professor

University of North Texas Health Science Center, Fort Worth, TX

2014-present Graduate Advisor for the Cell Biology, Immunology & Microbiology

Graduate Program

University of North Texas Health Science Center, Fort Worth, TX

2016-present Associate Director, Medical Sciences M.S. Program

University of North Texas Health Science Center, Fort Worth, TX

Awards and Honors

First place award for postdoctoral fellow presentation at The University of Texas Southwestern Medical Center annual Immunology retreat (May 2001)

AAI-Huang Foundation Trainee Achievement Award (April 2002 FASEB meeting)

NIH award to attend Keystone Symposium on Innate Immunity to Pathogens (January 2005)

Nominated for Outstanding Graduate Faculty at UNTHSC (2007, 2008, 2010, 2013, 2014, 2015, and 2016)

Nominated for Golden Apple Teaching Award at UNTHSC (2009, 2013, 2014, 2016)

Co-Chair of Block symposium at AAI meeting: "Neutrophils and other Myeloid Cells" (May 2012)

AAI Early Career Faculty Travel Grant (May 2012 AAI meeting)

AAI Laboratory Travel Grant (May 2015 AAI meeting)

Recipient of the UNTHSC Golden Apple Teaching Award (2016)

Memberships

American Association of Immunologists

American Association for the Advancement of Science

American Society for Microbiology

Manuscript Review Experience

Journal of Leukocyte Biology (2007-present)

Life Sciences (2007-present)

European Journal of Immunology (2009-present)

Microbes and Infection (2009-present)

The Journal of Immunology (2009-present)

BMC Microbiology (2010-present)

Blood (2011-present)

PLoS Pathogens (2011-present)

Clinical and Vaccine Immunology (2012-present)

PLoS ONE (2013-present)

The Journal of Infectious Diseases (2013-present)

Nature Communications (2014-present)

Infection & Immunity (2015-present)

Frontiers in Microbiology and Immunology (2015-present)

Experimental Eye Research (2016-present)

Immunology and Cell Biology (2016-present)

Cellular and Molecular Immunology (2017-present)

Editorial Board Service

Associate Editor for The Journal of Immunology (2014-present)

Review Editor for Microbial Immunology section of Frontiers in Microbiology and Immunology (2015-present)

Grant Review Experience

North Carolina Biotechnology Center (2007-present)

UNTHSC Intramural Interdisciplinary Research Seed Grants (2/2007)

UNTHSC-UNT Joint Institutional Seed Research Program (2/2008)

NIH-NIAID (ZAI1-PTM-I-M1, R21: "Immune Defense Mechanisms at the Mucosa") (3/2009)

NIH-NIAID (ZAI1-PTM-I-M2, R21: "Immune Defense Mechanisms at the Mucosa") (3/2009)

NIH-NIAID (ZAI1 JTS-I-C1, N01: "Protective Immunity in Special Populations") (10/2010)

NIH-NIAID (Innate Immunity and Inflammation (III) study section) (2/2011; 6/2012; 2/2013;

2/2014; 2/2015; 6/2015; 10/2016; 2/2017)

NIH-NIAID (ZAI1-WFD-I-M2, U01: "Immune Defense Mechanisms at the Mucosa Cooperative Study Group)" (3/2011)

Austrian Science Fund (FWF) (4/2011)

NIH-NIAID (ZAI1-BDP-M-M1, R01: "Strategies for the Protection of Pregnant Women and Infants against Infectious Diseases)" (2/2012)

NIH-NIAID (2013/01 ZRG1 IMM-N (03) M: Program Project Grant) (9/2012)

NIH-NIAID (ZAI1-BDP-M-M1, R01: "U.S.-China Program for Biomedical Collaborative Research") (2/2013)

UNTHSC Institute for Aging and Alzheimer's Disease Research (IAADR) Seed Grants (7/2013)

NIH-NIAID (2013/01 ZRG1 IMM-N (03) M: Program Project Grant) (9/2013)

NIH-NIAID (AI-12-048, U19: "Immune Mechanisms of Virus Control") (10/2013)

NIH-NIAID (R13/U13: "NIH Support for Conferences and Scientific Meetings") (11/2013)

NIH-NIAID (ZRG1 F07-J20L: Fellowship applications) (10/2014)

NIH-NIAID (ZRG1 IMM-J81A: AREA Applications) (10/2014)

NIH-NIAID (ZAI1-MFH-M-J1, U19: "Immunity to HCV Infection) (10/2015)

Chair of the Scientific Review Panel for the UNTHSC Intramural Seed Grant Program (2/2016)

Department of Veterans Affairs Cellular and Molecular Medicine Study Section (5/2016, 11/2016)

Fellowships

Competitive award, Cancer Immunology Institutional Training Grant: #5-T32-CA09082 (5/1/2000-4/30/2002)

"Role of CD8⁺ T Cells in Innate Immune Responses" Individual NRSA Fellowship: #1-F32-AI52647-01 (NIH/NIAID) (4/1/2003-3/31/2005)

Current Funding

"Inhibition of Neutrophil Responses by ecSOD"

R03 AI109630 (NIH/NIAID)

1/1/2014-12/31/2017

Direct Costs: \$100,000

Role: PI

Completed Funding

"Effects of ecSOD on Neutrophil Maturation and Function"

Careers in Immunology Fellowship Program (American Association of Immunologists)

9/1/2015-8/312016 Direct Costs: \$22,920

Role: Mentor

"Redox status of HMGB1 mediates immunity to Listeria monocytogenes"

RI6176 (UNTHSC Seed Grant)

4/1/2015-8/31/2016 Direct Costs: \$20,000

Role: PI

"Effects of recombinant superoxide dismutase and inhibition of endogenous superoxide dismutase on *Listeria monocytogenes* infection"

TCOM Research Practicum Seed Grant

8/15/2015-2/15/2016 Direct Costs: \$1,000

Role: Mentor

"Regulation of Monocyte Recruitment and Function by the IL-23/IL-17 Axis"

R03 AI099518-01 (NIH/NIAID)

2/1/2012-1/31/2015 Direct Costs: \$100,000

Role: PI

"The Impact of Extracellular Superoxide Dismutase on Myeloid-Derived Suppressor Cell Generation and Function"

BioLegend

11/15/2012-11/15/2014 Direct Costs: \$5,000

Role: PI

"Regulation of Neutrophil Function by ecSOD"

RI6029 (UNTHSC Seed Grant)

1/15/2012-1/14/2013 Direct Costs: \$27,232

Role: PI

"Immune Potential of Animals Lacking Class IA Molecules"

R01 AI045764 (NIH/NIAID)

3/1/2006-12/31/2011

Direct Costs to UNTHSC: \$102,300

Role: Co-I

"Generation of Protective Immunity Against Listeria monocytogenes"

Texas Higher Education Coordinating Board ARP Grant # 000130-0025-2007

9/1/2008-1/31/2011 Direct Costs: \$150,000

Role: PI

"Regulation of Immune Responses by Interleukin-23"

F32 AI072946 (NIH/NIAID)

5/1/2008-4/30/2011 Direct Costs: \$161,112

Role: Mentor

"Role of Corticotrophin Releasing Hormone in Stress-Induced Susceptibility Against

Streptococcus Pneumoniae" RI6006 (UNTHSC Seed Grant)

3/1/2010-12/31/2010

Role: Co-I

"Role of CD8⁺ T Cells in Innate Immune Responses"

Individual NIH-RSDA transitional Grant: K22-AI064592 (NIH/NIAID)

7/1/2005-5/31/2009 Direct Costs: \$250,000

Role: PI

"Innate Immune Responses Against Listeria monocytogenes"

G67700 (UNTHSC Seed Grant)

3/1/2006-12/31/2006 Direct Costs: \$8,500

Role: PI

Lab Personnel Trained

Post-doctoral Fellows Amy N. Sieve (7/2005-4/2011)

(funded by an NIH NRSA individual fellowship: 4/2008-4/2011)

Graduate Students (Ph.D.) Karen Meeks (Carr) (12/2005-4/2010)

(funded by a SCORE fellowship: 5/2007-5/2009)

Timothy Break (12/2008-7/2013)

Mohanalaxmi Indramohan (12/2009-7/2014)

Alexandra Witter (3/2012-7/2016)

(funded by an AAI fellowship: 9/2015-7/2016)

Busola Okunnu (1/2015-present) Naomi Swanta (9/2016-present)

Graduate Students (M.S.) Suheung (Steven) Lee (12/2006-12/2008)

Amy Graham (12/2008-5/2010) Naomi Swanta (1/2015-8/2016) Medical Sciences Students Neda Shaghagi (9/2016-12/2016)

DO students Christian Ponder (6/2015-6/2016)

Khanh Vu (6/2016-7/2016)

Rotating graduate students Karen Meeks (Carr) (10/2005-12/2005)

Diana Schulz (8/2006-10/2006)

Suheung (Steven) Lee (10/2006-12/2006) Mayurika Dutta (10/2006-12/2006) Dena Johnson (6/2007-8/2007) Amy Graham (8/2008-10/2008) Timothy Break (8/2008-10/2008) Kelly Peterson (8/2009-10/2009)

Mohanalaxmi Indramohan (10/2009-12/2009)

Courtney McKee (8/2010-10/2010) Sudha Neelam (10/2010-12/2010) Alexandra Witter (1/2012-3/2012) Maximillion Mize (9/2012-12/2012) Humberto Hernandez (11/2013-12/2013)

Santosh Thapa (5/2014-7/2014) Naomi Swanta (8/2014-10/2014) Jackson Lopez (8/2014-10/2014) Busola Okunnu (10/2014-12/2014) Joseph Malaer (8/2015-10/2015)

Summer students John Stoker (McNair Scholar) (5/2006-7/2006)

Tran Le (McNair Scholar) (5/2007-7/2007)

Mario Reyes (SMART Scholar) (5/2008-7/2008)

(Second place poster presentation award for SMART Scholars)

Coridon Laws (McNair Scholar) (5/2009-7/2009) Xavier Edoh (SMART Scholar) (5/2010-7/2010)

(Second place poster presentation award for SMART Scholars)

Xavier Edoh (McNair Scholar) (5/2011-7/2011)

(Third place poster presentation award for McNair Scholars)

Herenia Armenta (SMART Scholar) (5/2012-7/2012) Mariano Aufiero (SMART Scholar) (5/2013-7/2013) Kevin De La Cruz (SMART Scholar) (5/2014-7/2014) Tarun Swaminathan (SMART Scholar) (5/2016-7/2016)

Technicians Joshua Balch (7/2005-2/2007)

Suheung (Steven) Lee (12/2008-10/2009)

Graduate Student Thesis Committees

Microbiology and Immunology Graduate Program Sheetal Bodhankar (Ph.D. student) (2005-2008) Byung-Jin Kim (Ph.D. student) (2006-2010)

Karen Meeks (Ph.D. student) (2006-2010)

Anthony Chuang (M.S. student) (2006-2007)

Krithi Rao (M.S. student) (2006-2007)

Jongrok Kim (Ph.D. student) (2006-2010)

Adam Odeh (Ph.D. student) (2006-2011)

Nicole Dobbs (Ph.D. student) (2006-2010)

Brandon Wurtz (M.S. student) (2008-2010)

Timothy Break (Ph.D. student) (2008-2013)

Amy Graham (M.S. student) (2008-2010)

Kay Kayembe (M.S. student) (2009-2010)

Nathan Horton (Ph.D. student) (2009-2014)

Mohanalaxmi Indramohan (Ph.D. student) (2010-2014)

Ronny Racine (Ph.D. student) (2010-2014)

Ashley Smith (Ph.D. student) (2011-2015)

Brandon Coder (Ph.D. student) (2011-2015)

Lindsey Kuehm (M.S. student) (2011-2012)

Brittney Mott-Burnley (Ph.D. student) (2011-present)

Preston Burnley (Ph.D. student) (2012-2015)

Alexandra Witter (Ph.D. student) (2012-2016)

Jessica Frazier Hall (M.S. student) (2012-2013)

Jennifer Shaw (M.S. student) (2012-2013)

Calvin Chikelue (M.S. student) (2012-present)

Biochemistry and Molecular Biology Graduate Program

Brett Adkins (M.S. student) (2006-2007)

Biomedical Sciences Graduate Program

Suheung (Steven) Lee (M.S. student) (2006-2008)

Erica Kafka (P.A./Ph.D. student) (2007-2010)

Pharmacology and Neuroscience Graduate Program

Guillermo Tays (Ph.D. student) (2008-2009)

Amanda Hadley (D.O./Ph.D. student) (2009-2012)

Nikhil Gaidhani (Ph.D. student) (2013-present)

Dhwanil Dalwadi (Ph.D. student) (2014-2016)

Primary Care Research Graduate Program

Michael Dunn (D.O./M.S. student) (2009)

Cancer Biology Graduate Program

Smrithi Rajendiran (Ph.D. student) (2009-2014)

Forensic Genetics Graduate Program

Lisa Launer (M.S. student) (2010-2011)

Arturo Menchaca (M.S. student) (2011-2012)

Sarah Stricklin (M.S. student) (2012-2013)

Xiangpei Zeng (Ph.D. student) (2013-2016) Kelcie Thorson (M.S. student) (2016-present)

Structural Anatomy and Rehabilitation Science Graduate Program

Cara Fisher (Ph.D. student) (2014-present)

Biochemistry and Cancer Biology Graduate Program

Vipulkumar Patel (Ph.D. student) (2014-present)

Cell Biology, Immunology & Microbiology Graduate Program

Kathleen Borgmann (Ph.D. student) (2014-present)

Humberto Hernandez (Ph.D. student) (2014-2015)

Busola Okunnu (Ph.D. student) (2015-present)

Naomi Swanta (Ph.D. student) (2015-present)

Venkata Edara (Ph.D. student) (2015-present)

Olga Sizova (Ph.D. student) (2016-present)

Kelly Wilson (Ph.D. student) (2017-present)

Clinical Research Management Graduate Program

Derick Sanchez (M.S. student) (2016)

Biotechnology Graduate Program at University of Texas Health Center at Tyler

Anjana Raghunath (M.S. student) (2015)

Graduate Student Qualifying Exam Committees

Microbiology and Immunology Graduate Program

Sheetal Bodhankar-2005

Rusha Thomas-2006

Byung-Jin Kim-2006

Karen Meeks-2007

Adam Odeh-2007 (Chairman)

Jongrok Kim-2007 (Chairman)

Prachi Dongre-2008 (Chairman)

Brandon Wurtz-2008 (Chairman)

Nathan Horton-2009 (Chairman)

Timothy Break-2009

Ronny Racine-2010 (Chairman)

Mohanalaxmi Indramohan-2010

Artur Schander-2011 (Chairman)

Brittney Mott-2011 (Chairman)

Brandon Coder-2011 (Chairman)

Ashley Smith-2011 (Chairman)

Preston Burnley-2012 (Chairman)

Alexandra Witter-2013

Maximillion Mize-2014 (Chairman)

Biomedical Sciences Graduate Program

Aniket Deshmukh-2007

Erica Kafka-2007

Forensic and Investigative Genetics Graduate Program

Sarah Schmedes-2013

Xiangpei Zeng-2014

Pharmacology and Neuroscience Graduate Program

Guillermo Tays-2008

Amanda Hadley-2009

Cell Biology Graduate Program

Yan Fan-2014 (Chairman)

Shruthi Nooka-2014 (Chairman)

Sagar Shelake-2014 (Chairman)

Cell Biology, Immunology & Microbiology Graduate Program

Chris Vitucci-2015 (Chairman)

Kathleen Borgmann-2015 (Chairman)

Rudy Castillo-2015 (Chairman)

Chaitanya Joshi-2015 (Chairman)

Venkata Edara-2016 (Chairman)

Olga Sizova-2016 (Chairman)

Graduate Student BMSC 6310 Grant Writing Committees

Microbiology and Immunology Graduate Program

Nicole Dobbs-2005

Rusha Thomas-2007

Byung-Jin Kim-2007 (Chairman)

Adam Odeh-2008 (Chairman)

Jongrok Kim-2008

Prachi Dongre-2008

Nathan Horton-2010 (Chairman)

Ronny Racine-2011 (Chairman)

Artur Schander-2011

Brandon Coder-2012 (Chairman)

Preston Burnley-2013

Pharmacology and Neuroscience Graduate Program

Amanda Hadley-2010

Nikhil Gaidhani-2014

Cell Biology, Immunology & Microbiology Graduate Program

Maximillion Mize-2014 (Chairman)

Kathleen Borgmann-2015 (Chairman)

Forensic and Investigative Genetics Graduate Program

Xiangpei Zeng-2014

Departmental and Institutional Service

Microbiology and Immunology Graduate Program Applicant Interviewer (6/2005-6/2010)

Medical School Applicant Interviewer (8/2005-present)

Department of Molecular Biology and Immunology Faculty Secretary (8/2005-8/2007)

Member of the Graduate Affairs Committee-Microbiology and Immunology Graduate Program (12/2005-9/2014)

Department of Molecular Biology and Immunology Space and Equipment Committee (12/2005-12/2010)

Member of Council of Post-doctoral Education (5/2006-12/2008)

Reviewer for Intramural Interdisciplinary Research Seed Grants (2/2007)

Member of Faculty Evaluation Focus Group (3/2007-12/2008)

Principal Investigator of the Flow Cytometry Core Facility (5/2007-present)

Graduate Advisor for the Microbiology and Immunology Graduate Program (9/2007-9/2014)

Reviewer for UNTHSC-UNT Joint Institutional Seed Research Program (2/2008)

Member of Faculty Search Committee for the Molecular Biology and Immunology Department (9/2008-9/2010)

Chair of the selection committee for the Elena and Thomas Yorio Scholarship (2/2009-12/2014)

Member of the Application and Admissions Process Committee (7/2009-12/2010)

Member of the President's Strategic Thinking Council for Research (8/2009-9/2011)

Faculty Representative for the Graduate School of Biomedical Sciences for the Southern Association of Colleges and Schools (SACS) accreditation visit (3/2010)

Participant in the Texas Academy of Biomedical Sciences (TABS) Summer PREP Program (6/2010)

Co-Graduate Advisor for 1st year graduate students in the Biomedical Sciences Graduate Program (8/2010-9/2014)

Member of Faculty Senate (9/2010-9/2012; 2/2016-present)

Member of Graduate Student Recruitment Specialist Search Committee (6/2011-8/2011)

Member of the Review committee for the BMSC Department and the Outreach office (7/2011)

Medical Masters Mock Interviewer (7/2011-present)

Member of the Research Advisory Council (9/2012-present)

Member of Chair Search Committee for the Molecular Biology and Immunology Department (9/2012-5/2013)

Reviewer for Institute for Aging and Alzheimer's Disease Research (IAADR) Seed Grants (7/2013)

Member of the GSBS graduate program review committee (8/2013-2/2014)

Coordinator for Cell Biology and Immunology WIPs (8/2013-present)

Alternate member of the Application and Admissions Process Committee (10/2013-2/2014)

Chair of the Institutional Biosafety Committee (12/2013-present)

Member of the Application and Admissions Process Committee (2/2014-present)

Graduate Advisor for the Cell Biology, Immunology & Microbiology Graduate Program (9/2014-present)

Member of the Faculty Grievance and Appeal Committee (1/2015-present)

Member of the GSBS Traditional Student Performance Committee (1/2015-5/2016)

Chair of the GSBS 1st year curriculum committee (2/2015-12/2015)

Member of the GSBS recruitment committee (2/2015-12/2015)

Member of the Medical Sciences admissions committee (2/2016-present)

Faculty Advisor for the Medical Sciences graduate Program (2/2016-present)

Chair of the Scientific Review Panel for the Intramural Seed Grant Program (2/2016-4/2016)

Chair of the Cell Biology and Immunology Graduate Education Committee (4/2016-present)

Member of the GSBS Medical Science Student Performance Committee (6/2016-present)

Associate Director of the Medical Sciences M.S. Program (9/2016-present)

Member of the inaugural class of the Academy of Medical Science Educators (11/2016-present)

Member of the Inspire Leadership Program (1/2017-present)

Member of the President's Council on Academics (1/2017-present)

Teaching Experience-UNTHSC

Course director for Current Topics in Immunology (CBIM 5122) (2005-present)

Course director for Immune Responses Against Pathogenic Microorganisms (CBIM 6201) (2008-present)

Course director for Introduction to Flow Cytometry (CBIM 5150) (2013-present)

Co-course director for Seminar in Current Topics (MOLB 5140) (2005-2011)

Lecturer in Immunology and Microbiology Core Course (BMSC 6305) (2006-2016)

Lecturer in Introduction to Faculty Research (BMSC 5135) (2006-2016)

Lecturer in Immunology System I (MEDE 7512 for D.O. students) (2009-present)

Lecturer in Principles of Immunological Therapeutics (PHAR 7331 for Pharmacy students) (2014-present)

Career Panel Participant in Introduction to Industry Practice (BMSC 5965) (2009-present)

Participant in Scientific Communications (BMSC 5310) (2010-present)

Lecturer in Immunology and Microbiology core Course for Medical Masters Students (BMSC 5303) (2010)

Participant in Grant Writing Course (BMSC 6310) (2011-present)

Lecturer in BMSC 6201 (2016-present)

Lecturer in BMSC 6202 (2016-present)

Lecturer in BMSC 6204 (2016-present)

Course director for Seminars in Current Topics (CBIM 5140) (2017-present)

Laboratory Mentor for Special Problems (MOLB 5390)

Aniket Deshmukh (2007)

Shanmuga Priya Muthu-Thanu (2008)

Pabak Sarkar (2009)

Alena Minton (2009)

Teaching Experience-External

Guest Lecturer at Texas Christian University in Immunology (BIOL 40253) (2010-present)

Peer reviewed Publications

1. Pawlowski, T., Singleton, M., Loh, D.Y., **Berg, R.**, and Staerz, U.D. 1996. Permissive Recognition during Positive Selection. <u>Eur. J. Immunol.</u> 26:851-857.

- 2. Qi, Y., **Berg, R.**, Singleton, M.A., Debrick, J.E., and Staerz, U.D. 1996. Hybrid Antibody Mediated Veto of Cytotoxic T Lymphocyte Responses. <u>J. Exp. Med.</u> 183:1973-1980.
- 3. Peterson, J.D., **Berg, R.**, Piganelli, J.D., Poulin, M., and Haskins, K. 1998. Analysis of Leukocytes Recruited to the Pancreas by Diabetogenic T Cell Clones. <u>Cell. Immunol.</u> 189:92-98.
- 4. **Berg, R.E.**, Princiotta, M.F., Irion, S., Moticka, J.A., Dahl, K.R., and Staerz, U.D. 1999. Positive Selection of an H2-M3 Restricted T Cell Receptor. <u>Immunity</u>. 11:33-43.
- 5. Irion, S., **Berg, R.E.**, and Staerz, U.D. 2000. A Physiological Ligand of Positive Selection is Seen with High Specificity. <u>J. Immunol.</u> 164:4601-4606.
- 6. **Berg, R.E.**, Irion, S., Kattman, S., Princiotta, M.F., and Staerz, U.D. 2000. A Physiological Ligand of Positive Selection is Recognized as a Weak Agonist. <u>J. Immunol.</u> 165:4209-4216.
- 7. **Berg, R.E.**, Cordes, C.J., and Forman, J. 2002. Contribution of CD8⁺ T Cells to Innate Immunity: Interferon-y Secretion Induced by IL-12 and IL-18. Eur. J. Immunol. 32:2807-2816.
- 8. Gunturi, A., **Berg, R.E.,** and Forman, J. 2003. Preferential Survival of CD8 T and NK Cells Expressing High Levels of CD94. <u>J. Immunol.</u> 170:1737-1745.
- 9. **Berg, R.E.**, Crossley, E., Murray, S., and Forman, J. 2003. Memory CD8⁺ T Cells Provide Innate Immune Protection Against *Listeria monocytogenes* in the Absence of Cognate Antigen. J. Exp. Med. 198:1583-1593.
- 10. Gunturi, A., **Berg, R.E.,** Crossley, E., Murray, S. and Forman, J. 2005. The Role of TCR Stimulation and TGF- β in Controlling the Expression of CD94/NKG2A Receptors on CD8 T Cells. Eur. J. Immunol. 35:766-775.
- 11. Kattman, S.J., Lukin, K.R., Oh, J.Z., **Berg, R.E.,** and Staerz, U.D. 2005. Maturational Stage-Dependent Thymocyte Responses to TCR Engagement. Eur. J. Immunol. 35:2051-2060.
- 12. **Berg, R.E.,** Crossley, E., Murray, S., and Forman, J. 2005. Relative Contributions of NK and CD8 T Cells to IFN-γ Mediated Innate Immune Protection against *Listeria monocytogenes*. J. Immunol. 175:1751-1757.
- *Cover picture on August 1, 2005 issue.
- 13. Su, J., **Berg, R.E.**, Murray, S., and Forman, J. 2005. Thymus-Dependent Memory Phenotype CD8 T Cells in Naïve B6.H-2K^{b-/-}D^{b-/-} Animals Mediate an Antigen-Specific Response against *Listeria monocytogenes*. J. Immunol. 175:6450-6457.
- 14. Sinai, P., **Berg, R.E.**, Haynie, J.M., Egorin, M.J., Ilaria Jr., R.L., and Forman, J. 2007. Imatinib Mesylate Inhibits Antigen-Specific Memory CD8 T Cell Responses In Vivo. <u>J.</u> Immunol. 178:2028-2037.

- 15. Sieve, A.N., Meeks, K.D., Bodhankar, S., Lee, S., Kolls, J.K., Simecka, J.W., and **Berg, R.E.** 2009. A Novel IL-17-Dependent Mechanism of Cross Protection: Respiratory Infection with Mycoplasma Protects Against a Secondary Listeria Infection. <u>Eur. J. Immunol.</u> 39:426-438. * Highlighted by the editors in the "in this issue" section
- 16. Meeks, K.D., Sieve, A.N., Kolls, J.K., Ghilardi, N., and **Berg, R.E.** 2009. Interleukin-23 is Required for Protection Against Systemic Infection with *Listeria monocytogenes*. <u>J. Immunol</u>. 183:8026-8034.
- 17. Sieve, A.N., Meeks, K.D., Lee, S., and **Berg, R.E.** 2010. A Novel Immunoregulatory Function for IL-23: Inhibition of IL-12 Dependent IFN-γ Production. <u>Eur. J. Immunol.</u> 40:2236-2247.
- 18. Graham, A.C., Carr, K.D., Sieve, A.N., Indramohan, M., Break, T.J., and **Berg, R.E.** 2011. IL-22 Production is Regulated by IL-23 During *Listeria monocytogenes* Infection but is not Required for Bacterial Clearance or Tissue Protection. <u>PLoS ONE</u>. 6(2):e17171.
- 19. Carr, K.D., Sieve, A.N., Indramohan, M., Break, T.J., Lee, S., and **Berg, R.E.** 2011. Specific Depletion Reveals a Novel Role for Neutrophil-mediated Protection in the Liver during *Listeria monocytogenes* Infection. <u>Eur. J. Immunol.</u> 41:2666-2676.
- *Article was highlighted in a commentary: Bao, Y and Cao, X. 2011. Revisiting the protective and pathogenic roles of neutrophils: Ly-6G is key! Eur. J. Immunol. 41:2535-2538.
- 20. Break, T.J., Jun, S., Indramohan, M., Carr, K.D., Sieve, A.N., Dory, L., and **Berg, R.E.** 2012. Extracellular Superoxide Dismutase Inhibits Innate Immune Responses and Clearance of an Intracellular Bacterial Infection. J. Immunol. 188:3342-3350.
- 21. Indramohan, M., Sieve, A.N., Break, T.J., and **Berg, R.E.** 2012. Inflammatory Monocyte Recruitment is Regulated by Interleukin-23 During Systemic Bacterial Infection. <u>Infection and Immunity</u>. 80:4099-4105.
- 22. Kim, B.J., Lee, S., **Berg, R.E.**, Simecka, J.W., and Jones, H.P. 2013. Interleukin-23 (IL-23) Deficiency Disrupts Th17 and Th1-Related Defenses Against *Streptococcus pneumoniae* Infection. <u>Cytokine</u>. 64:375-381.
- 23. Hall, J.M.F., Witter, A.R., Racine, R.R., **Berg, R.E.**, Jones, H.P., Podawiltz, A., and Mummert, M.E. 2014. Chronic Psychological Stress Suppresses Contact Hypersensitivity: Potential Roles of Dysregulated Cell Trafficking and Decreased IFN-γ Production. <u>Brain</u>, <u>Behavior</u>, and <u>Immunity</u>. 36:156-164.
- 24. Break, T.J., Witter, A.R., Indramohan, M., Mummert, M.E., Dory, L., and **Berg, R.E.** 2016. Extracellular Superoxide Dismutase Enhances the Recruitment of Immature Neutrophils to the Liver. <u>Infection and Immunity</u>. 84:3302-3312.

Review Articles

- 1. Gunturi, A., **Berg, R.E.,** and Forman, J. 2004. The Role of CD94/NKG2 in Innate and Adaptive Immunity. <u>Immunologic Research</u>. 30:29-34.
- 2. **Berg, R.E.,** and Forman, J. 2006. The Role of CD8 T Cells in Innate Immunity and in Antigen Non-specific Protection. <u>Current Opinion in Immunology</u>. 18:338-343.
- 3. Witter, A.R., Okunnu, B.M., and **Berg, R.E.** 2016. The Essential Role of Neutrophils During Infection with the Intracellular Bacterial Pathogen *Listeria monocytogenes*. <u>J. Immunol.</u> 197: 1557-1565.

Published Abstracts (since 2007)

- 1. Sieve, A.N., Meeks, K.D., Balch, J.B., **Berg, R.E.** 2007. IL-23 acts in a novel fashion by antagonizing IL-12 induced IFN-γ secretion. J. Immunol. 178:95.16.
- 2. Meeks, K.D, Sieve, A.N., Balch, J.B, **Berg, R.E.** 2007. Differential secretion of IL-12 and IL-18 based on intracellular localization of *Listeria monocytogenes*. J. Immunol. 178:44.2. (invited oral presentation by Karen Meeks at the 2007 AAI meeting)
- 3. Le, T., **Berg, R.E.**, Meeks, K.D. 2007. Characterization and Localization of Innate Cell Types Responding during *Listeria monocytogenes* Infection. <u>Annual Biomedical Research Conference</u> for Minority Students, Austin, TX.
- 4. Meeks, K.D., Sieve, A.N., **Berg, R.E.** 2008. Requirements for the induction of IL-12 and IL-18 during *Listeria monocytogenes* infection. *FASEB J.* 2008 22:675.19.
- 5. Sieve, A.N., Meeks, K.D., Lee, S., Balch, J.B., **Berg, R.E.** 2008. IL-23 inhibits innate IFN-γ secretion. *FASEB J.* 2008 22:1070.8.

(invited oral presentation by Amy Sieve at the 2008 FASEB meeting)

6. Meeks, K.D., Sieve, A.N., Kolls, J.K., **Berg, R.E.** 2009. Interleukin-23 is required for protection against *Listeria monocytogenes*. J. Immunol. 182:133.24.

(invited oral presentation by Karen Meeks at the 2009 AAI meeting)

- 7. Laws, C., Roberts, A., **Berg, R.E.** 2009. Characterizing Human Outbreak Strains of *Listeria monocytogenes* by Intracellular Growth in J774 Murine Macrophage-Like Cells. <u>Annual Biomedical Research Conference for Minority Students</u>, Phoenix, AZ.
- 8. Break, T.J., Jun, S., Indramohan, M., Carr, K.D., Sieve, A.N., Dory, L., **Berg, R.E.** 2011. Extracellular Superoxide Dismutase Inhibits Innate Immune Responses and Clearance of *Listeria monocytogenes*. SK 42; Texas Branch ASM meeting.
- 9. Indramohan, M., Sieve, A.N., Break, T.J., **Berg, R.E.** 2011. Inflammatory Monocyte Recruitment is Regulated by IL-23 during *Listeria monocytogenes* Infection. SK 43; Texas Branch ASM meeting.

10. Break, T.J., Jun, S., Indramohan, M., Dory, L., **Berg, R.E.** 2012. Extracellular Superoxide Dismutase Impairs Neutrophil Function and Clearance of *Listeria monocytogenes*. J. Immunol. 188:118.4.

(invited oral presentation by Timothy Break at the 2012 AAI meeting)

- 11. Indramohan, M., Sieve, A.N., Break, T.J., **Berg, R.E.** 2012. Inflammatory Monocyte Recruitment is Regulated by IL-23 during Systemic Bacterial Infection. J. Immunol. 188:117.1.
- 12. Indramohan, M., Break, T.J., Witter, A.R., **Berg, R.E.** 2014. The Role of IL-23 in Regulating the Function of Phagocytic Cells During *Listeria monocytogenes* infection. J. Immunol. 192:132.22.
- 13. Witter, A.R., Break, T.J., Indramohan, M., Mummert, M.E., **Berg, R.E.** 2015. Extracellular Superoxide Dismutase Promotes Immature Neutrophil Egress from the Bone Marrow. J. Immunol.

(invited oral presentation by Alexandra Witter at the 2015 AAI meeting)

Invited Presentations and Seminars

2002 FASEB meeting - "Role of CD8⁺ T Cells in Innate Immune Responses"

- 2003 AAI meeting "CD8⁺ T Cells Participate in Innate Immune Responses Against Pathogens"
- 2004 International Congress of Immunology meeting "Innate Immune Protection from *Listeria monocytogenes* Can Be Provided by CD8⁺ T Cells in the Absence of Cognate Antigen"
- 2004 Oklahoma Medical Research Foundation Immunobiology and Cancer Research Program seminar series "Immunity Against the Intracellular Bacterium, *Listeria monocytogenes*"
- 2004 University of Texas Medical Branch Department of Microbiology and Immunology seminar series "Immunity Against the Intracellular Bacterium, *Listeria monocytogenes*"
- 2005 UNTHSC Department of Pharmacology and Neuroscience seminar series "Immunity Against the Intracellular Bacterium, *Listeria monocytogenes*"
- 2006 UNTHSC Department of Molecular Biology and Immunology seminar series "Innate Immune Responses Against Bacterial Infections"
- 2011 UNTHSC Department of Molecular Biology and Immunology seminar series "Regulation of Innate Immunity by Extracellular Superoxide Dismutase"
- 2011 Texas Wesleyan University Tri-Beta Biological Honors Society seminar series "The Role of Neutrophils during Bacterial Infection"
- 2011 University of Texas Health Science Center at Tyler Center for Pulmonary and Infectious Disease Control seminar series "The Role of Neutrophils and ecSOD during Bacterial Infection"

- 2011 SUNY Upstate Medical University Department of Microbiology and Immunology seminar series "The Role of Neutrophils and ecSOD during Bacterial Infection"
- 2011 American Society for Microbiology (Texas Branch) meeting "The Role of Neutrophils during Bacterial Infection"
- 2012 University of Texas at Austin Science Undergraduate Research Group seminar series "The Role of Neutrophils during Bacterial Infection"
- 2013 University of Texas at Arlington Department of Biology seminar series "Regulation of Neutrophil Recruitment and Function during Infection with *Listeria monocytogenes*"
- 2013 University of Connecticut Health Center Department of Immunology seminar series "Regulation of Neutrophil Recruitment and Function during Infection with *Listeria monocytogenes*"
- 2015 Advaxis Immunotherapies presentation "Induction of Protective Innate Immune Responses against *Listeria monocytogenes*"

Paul S. Bhella, MD, FAHA, FACC, FASE

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John Peter Smith Health Network, Fort Worth, TX 7/2010 -

Staff Cardiologist

Director, Cardiac Imaging

Acclaim Physician Group, Fort Worth, TX 10/2016-

Chairman, Physician Board of Directors

University of Texas Arlington, Arlington, TX 9/2015 -

Associate Clinical Professor

Medical Director of the Clinical Translational Research Group

University of North Texas Health Science Center, Fort Worth, TX 12/2010 -

Associate Professor (Adjunct), Department of Integrative Physiology

University of Texas-Southwestern, Dallas, TX 10/2010 -

Clinical Assistant Professor, Department of Family Medicine

EDUCATION AND TRAINING

University of Texas-Southwestern and Baylor University Medical Center, Dallas, TX 8/2007 - 6/2010

Advanced Fellowship, Cardiovascular Research (Mentor: Benjamin Levine) and Cardiac Imaging (Mentor: Paul Grayburn)

Oregon Health Science University, Portland, OR 7/2005 - 8/2007

Fellowship, Cardiovascular Medicine (Fellowship Director: Jonathan Lindner)

University of Texas-Southwestern, Dallas, TX 7/2002 - 6/2005

Internship and Residency, Internal Medicine

Medical University of South Carolina, Charleston, SC 6/1998 - 5/2002

Doctor of Medicine

Georgia Institute of Technology, Atlanta, GA 9/1993 – 3/1997

Electrical Engineering, Bachelor of Science with High Honors

HONORS, AWARDS AND SCHOLARSHIPS

Finalist 2009 AHA Samuel A. Levine Young Clinical Investigator Award Third Year Medical Student Selection Alpha Omega Alpha Medical Honor Society

2015, 2016, 2017 Top Doctor Fort Worth Magazine

Chief FellowDivision of Cardiology, Oregon Health Science UniversityPoster Winner2002 ACP-ASIM National Abstract CompetitionFinalist2000 MUSC President's Award for the Basic Sciences

Service Excellence at Oregon Health Science University

Rose Award Recipient (7)

BOARD CERTIFICATION

Cardiovascular Medicine, American Board of Internal Medicine (also enrolled in Maintenance of Certification)2008-Examination of Special Competence in Echocardiography, National Board of Echocardiography2010-2020Nuclear Cardiology, Certification Board of Nuclear Cardiology2009-2019Cardiovascular Computed Tomography, Certification Board of Cardiovascular CT2009-2019Internal Medicine, American Board of Internal Medicine (also enrolled in Maintenance of Certification)2005-

MEMBERSHIP

Fellow, Member

Fellow, Member

Fellow, Member

Fellow, Member

American Heart Association

American College of Cardiology

American Society of Echocardiography

Member,

Alpha Omega Alpha Honor Society

LICENSURE

Oregon, Oregon Board of Medical Examiners	2005-
Texas, Texas Medical Board	2009-
Arizona, Arizona Board of Medical Examiners	2015-
Washington, Washington Medical Quality Assurance Commission	2017-

CARDIOLOGY TRAINING/LEVELS

Transthoracic Echocardiography	Level 3 & Specialty Board Certified
Transesophageal Echocardiography	Level 3 & Specialty Board Certified
Cardiovascular Computed Tomography	Level 2 & Specialty Board Certified
Nuclear Cardiology	Level 2 & Specialty Board Certified
Cardiac Catheterization	Level 2 & Board Certified

FIRST AUTHOR PUBLICATIONS

Paul S Bhella, Jeffrey L Hastings, Naoki Fujimoto, Shigeki Shibata, Graeme Carrick-Ranson, Beverley Adams-Huet, M Dean Palmer, Benjamin D Levine. The Impact of Lifelong Exercise "Dose" on Left Ventricular Compliance and Distensibility. *J Amer Coll Cardiol*. 2014; 64(12):1257-64.

Paul S Bhella, Anand Prasad, Jeff L Hastings, Katja Heinicke, Shigeki Shibata, M Dean Palmer, Bradley R Newcomer, Benjamin D Levine. Abnormal Hemodynamic Response to Exercise in Heart Failure with Preserved Ejection Fraction. *European Journal of Heart Failure*. 2011;13(12):1296-204.

Paul S Bhella, Eric L Pacini, Anand Prasad, Jeffery L Hastings, James D Thomas, Benjamin D Levine. Echocardiographic Indices Fail to Track Changes in Left-Sided Filling Pressure in Individuals with Heart Failure with Preserved Ejection Fraction. *Circulation: Cardiovascular Imaging*. 2011;4(5):482-9.

Paul S Bhella, Jacob P Kelly, Ronald Peshock, Benjamin D Levine. Delayed Enhancement of the Intraventricular Septum Following Extraordinary Endurance Exercise. *BMJ Case Rep.* 2010 Dec 1; 2010. doi:pii: bcr0620103096. 10.1136/bcr.06.2010.3096

Paul S Bhella, Benjamin D Levine. The Heart of a Champion. J Amer Coll Cardiol. 2010;55(15):1626-1628.

Paul S Bhella, Yusuf Hassan, Jeffrey M Schussler. Usefulness of 64-Slice Coronary Computed Tomographic Angiography in the Planning of Percutaneous Coronary Intervention. *Proc (Bayl Univ Med Cent)*. 2010; 23(1):27–28.

ADDITIONAL PUBLICATIONS

Shuaib M Abdullah, KW Barkley, **Paul S Bhella**, Jeffrey L Hastings, Susan S Matulevicius, Naoki N Fujimoto, Shigeki Shibata, Graeme Carrick-Ranson, M Dean Palmer MD, Nainesh Gandhi, LF DeFina, Benjamin D Levine. Lifelong Physical Activity Regardless of Dose Is Not Associated With Myocardial Fibrosis. Circ Cardiovasc Imaging. 2016 Nov;9(11). pii: e005511.

Robert M. Brothers, Kevin M Christmas, Jordan C Patik, **Paul S Bhella**. Heart rate, blood pressure and repolarization effects of an energy drink compared to coffee. *Clin Physiol Funct Imaging*. 2016; doi: 10.111/cpf.12357.

Graeme Carrick-Ranson, Jeffery L Hastings, **Paul S Bhella**, Naoki Fujimoto, Shigeki Shibata, M Dean Palmer, Kara Boyd, S Livingston, Erica Dijk, Benjamin D Levine. The Effect of Lifelong Exercise Dose on Cardiovascular Function During Exercise. *J Appl Physiol*. 2014;116(7):736-45.

Naoki Fujimoto, Jeffrey L Hastings, Graeme Carrick-Ranson, Keri M Shafer, Shigeki Shibata, **Paul S Bhella**, Shuaib M Abdullah, Kyler W Barkley, Beverley Adams-Huet, Kara N Boyd, Sheryl A Livingston, Dean Palmer and Benjamin D Levine. Cardiovascular Effects of One year of Alagebrium and Endurance Exercise Training in Healthy Older Individuals. *Circulation: Heart Failure*. 2013;6(6):1155-64.

Satyam Sarma, Graeme Carrick-Ranson, Naoki Fujimoto, Beverley Adams-Huet, **Paul S Bhella**, Jeffrey L Hastings, Keri M Shafer, Shigeki Shibata, Kara Boyd, Dean Palmer, Edward W Szczepaniak, Lidia S Szczepaniak and Benjamin D Levine. The Effects of Age and Aerobic Fitness on Myocardial Lipid Content. *Circulation: Cardiovascular Imaging*. 2013;6(6):1048-55.

Naoki Fujimoto, Anand Prasad, Jeffrey L Hastings, **Paul S Bhella**, Shigeki Shibata, M Dean Palmer, Benjamin D Levine. Cardiovascular effects of 1 year of progressive endurance exercise training in patients with heart failure with preserved ejection fraction. *Am Heart J.* 2012 Dec;164(6):869-77.

Naoki Fujimoto, Barry A Borlaug, Gregory D Lewis, Jeffrey L Hastings, Kerri M Shafer, **Paul S Bhella**, Graeme Carrick-Ranson, Benjamin D Levine. Hemodynamic Responses to Rapid Saline Loading: The Impact of Age, Sex, and Heart Failure. *Circulation*. 2013 Jan 1:127(1):55-62.

Graeme Carrick-Ranson, Jeffrey L Hastings, **Paul S Bhella**, Shigeki Shibata, Naoki Fujimoto, Dean Palmer, Kara Boyd, Benjamin D Levine. The Effect of Age-related Differences in Body Size and Composition on Cardiovascular Determinants of VO2max. *J Gerontol A Biol Sci Med Sci*. 2013 May;68(5):608-16.

Graeme Carrick-Ranson, Jeffrey L Hastings, **Paul S Bhella**, Shigeki Shibata, Benjamin D Levine. The Effect of Exercise Training on Left Ventricular Relaxation and Diastolic Suction at Rest and During Orthostatic Stress After Bed Rest. *Exp Physiol.* 2013 Feb;98(2):501-13.

Graeme Carrick-Ranson, Jeffrey L Hastings, **Paul S Bhella**, Shigeki Shibata, Naoki Fujimoto, M Dean Palmer, Kara Boyd, Benjamin D. Effect of healthy aging on left ventricular relaxation and diastolic suction. *Am J Physiol Heart Circ Physiol*. 2012 Aug 1;303(3):H315-22. Epub 2012 Jun 1.

Jeffery L Hastings, Felix Krainski, Peter G Snell, Eric Pacini, Manish Jain, **Paul S Bhella**, Shigeki Shibata, Qi Fu, Michael D Palmer, Benjamin D Levine. The Effect of Rowing Ergometry and Oral Volume Loading on Cardiovascular Structure and Function During Bed Rest. *J Appl Physiol.* 2012 May;112(10):1735-43. Epub 2012 Feb 16.

Naoki Fujimoto, Jeffery L Hastings, **Paul S Bhella**, Shigeki Shibata, Nainesh K Gandhi, Graeme Carrick-Ranson, Dean Palmer, Benjamin D Levine. Effect of Aging on Left Ventricular Compliance and Distensibility in Healthy Sedentary Humans. *J Physiol*. 2012 Feb 13.

Naoki Fujimoto, Shigeki Shibata, Jeffery L Hastings, Graeme Carrick-Ranson, **Paul S Bhella**, Dean Palmer, Qi Fu, Benjamin Levine. Effects of pericardial constraint and ventricular interactions on left ventricular hemodynamics in the unloaded heart. *Am J Physiol Heart Circ Physiol*. 2011;300(5): H1688-95.

Ramy F Ayad, **Paul S Bhella**, William D. Dockery, and Jeffrey M Schussler. Patency of Vein Graft Anastomoses Facilitated With the Hexalon Device. *Ann Thorac Surg.* 2011;91:894-898.

Shigeki Shibata, Jeff Hastings, Anand Prasad, Qi Fu, **Paul S Bhella**, Eric Pacini, Felix Krainski, M Dean Palmer, Rhong Zhang, Benjamin D Levine. Congestive Heart Failure with Preserved Ejection Fraction Is Associated with Severely Impaired Dynamic Starling Mechanism. *J Appl Physiol.* 2011;110 (4):964-971.

Naoki Fujimoto, Anand Prasad, Jeff L Hastings JL, Armin Arbab-Zadeh, **Paul S Bhella**, Shigeki Shibata, Dean Palmer, Benjamin Levine. Cardiovascular effects of 1 year of progressive and vigorous exercise training in previously sedentary individuals older than 65 years of age. *Circulation*. 2010;122(18):1797-1805.

Anand Prasad, Jeff Hastings, Shigeki Shibata, Zoran B Popovic, Armin Arbab-Zadeh, **Paul S Bhella**, Kazunobu Okazaki, Qi Fu, Martin Berk, Dean Palmer, Neil L Greenberg, Mario J Garcia, James D Thomas, Benjamin D Levine. Characterization of Static and Dynamic Left Ventricular Diastolic Function in Patients with Heart Failure and a Preserved Ejection Fraction. *Circulation: Heart Failure*. 2010;3(5):617-626.

Leo Simpson, **Paul S Bhella**, Jeffrey M Schussler, Paul A Grayburn, Manish Assar. Pacemaker Laser Lead Extraction and Reimplantation of Dual-Chamber Implantable Cardioverter Defibrillator via Mustard Baffle in Complete Transposition of Great Arteries. *Proc (Bayl Univ Med Cent)*. 2010;23(3):256-258.

Qi Fu, Tiffany B VanGundy, Melyn Galbreath, Shigeki Shibata, Manish Jain, Jeffrey L Hastings, **Paul S Bhella**, Benjamin D Levine. Cardiac Origins of the Postural Orthostatic Tachycardia Syndrome. *J Amer Coll Cardiol*. 2010;55(25):2858-2868.

Mark H Drazner, Anand Prasad, Colby Ayers, David W Markham, Jeffrey Hastings, **Paul S Bhella**, Shigeki Shibata, Benjamin D Levine. The relationship of right- and left-sided filling pressures in patients with heart failure and a preserved ejection fraction. *Circulation: Heart Failure*. 2010;3(2):202-206.

Paul A Grayburn, **Paul Bhella.** Grading the Severity of Mitral Regurgitation: Science or Art? *J Amer Coll Cardiol Cardiovasc Imaging*. 2010; 3(3): 244-246.

R Matthew Brothers, **Paul S Bhella**, Shigeki Shibata, Jonathan E Wingo, Benjamin D Levine, and Craig G Crandall. Cardiac systolic and diastolic function during whole body heat stress. *Am J Physiol Heart Circ Physiol.* 2009; 296: H1150 - H1156.

ABSTRACTS

2013 AHA Scientific Sessions

Satyam Sarma, Graeme Carrick-Ranson, Naoki Fujimoto, **Paul S Bhella**, Jeffrey L Hastings, Dean Palmer, Benjamin D Levine. Changes in Oxygen Pulse During Exercise can Identify Patients With Heart Failure With Preserved Ejection Fraction (HFpEF)

Shigeki Shibata, Naoki Fujimoto, Jeffrey L Hastings, **Paul S Bhella**, Graeme Carrick-Ranson, Tom Sarma, Yoshiyuki Okada, Dean Palmer, Kara Boyd, Sheryl Livingston, Benjamin D Levine. Advanced Glycation End-Product Inhibition With Alagebrium Slows Age-Related Large Vessel Arterial Stiffening in Healthy Elderly Humans.

Satyam Sarma, Graeme Carrick-Ranson, Shigeki Shibata, Naoki Fujimoto, **Paul S Bhella**, Jeffrey L Hastings, Kara Boyd, Dean Palmer, Benjamin Levine. Impact of Aortic Stiffness on Exercise Blood Pressure Response and Aerobic Fitness.

2013 ACC Annual Meeting

Satyam Sarma, Graeme Carrick-Ranson, Naoki Fujimoto, **Paul Bhella**, Jeffrey Hastings, Keri Shafer, Kara Boyd, Dean Palmer, Edward W. Szczepaniak, Lidia S. Szczepaniak, Benjamin Levine. The Effects of Aging, Sex and Aerobic Fitness on Myocardial Lipid Content

Naoki Fujimoto, Jeffrey L. Hastings, Graeme Carrick-Ranson, Keri M. Shafer, Shigeki Shibata, **Paul S. Bhella**, Shuaib M. Abdullah, Kyler W. Barkley, Kara N. Boyd, Sheryl A. Livingston, Dean Palmer, Benjamin D. Levine. Cardiovascular Effects of One Year of Alagebrium and Endurance Exercise Training in Healthy Older Individuals.

Kyler William Barkley, Shuaib Abdullah, **Paul Bhella**, Jeffrey Hastings, Susan Matulevicius, Naoki Fujimoto, Shigeki Shibata, Graeme Carrick—Ranson, Dean Palmer, Nainesh Gandhi, Benjamin Levine. Consistent Doses of Lifelong Physical Activity Are Not Associated with Myocardial Fibrosis.

2012 AHA Scientific Sessions

Naoki Fujimoto, Barry A. Borlaug, Greg D Lewis, Jeffrey L Hastings, Keri M Schafer, **Paul S Bhella**, Graeme Carrick-Ranson, Benjamin D. Levine. Hemodynamic Responses to Rapid Saline Loading: The Impact of Age, Sex, and Heart Failure. *Circulation*. 2012;126:A13414.

2011 AHA Scientific Sessions

Naoki Fujimoto, Jeffrey L Hastings, **Paul S Bhella**, Graeme Carrick-Ranson, Dean Palmer, Benjamin D Levine. Tight Regulation of Left Ventricular Transmural Filling Pressure in Healthy Individuals. *Circulation*. 124:A9242.

Naoki Fujimoto, Shigeki Shibata, Jeffrey L Hastings, Anand Prasad, **Paul S Bhella**, Graeme Carrick-Ranson, Dean Palmer, Benjamin D Levine. Effects of One Year of Endurance Exercise Training on 'Dynamic' Starling Mechanisms in Heart Failure with Preserved Ejection Fraction. *Circulation*. 124:A9265.

Graeme Carrick-Ranson, Jeffrey L Hastings, Naoki Fujimoto, Shigeki Shibata, Dean Palmer, Kara Boyd, **Paul S Bhella**, Benjamin Levine. Maximal Stroke Volume and Total Blood Volume Are Not Reduced with Healthy Aging Despite a Reduction in VO2max: The Critical Nature of Allometric Scaling. *Circulation*. 124:A11966.

2011 ACC Annual Meeting

Paul S. Bhella, Nainesh Gandhi, Jeffrey L. Hastings, Graeme C. Carrick-Ranson, Naoki Fujimoto, Shigeki Shibata, Ronald M. Peshock, Benjamin D. Levine. Lifelong Exercise Training Demonstrates a Dose Dependent Effect on MRI Derived Left Ventricular Mass: Implications for Defining Population Norms and Left Ventricular Hypertrophy. *J Amer Coll Cardiol*. 2011; 57: E674

Naoki Fujimoto, Shigeki Shibata, Qi Fu, Jeffrey L. Hastings, Graeme C. Carrick-Ranson, **Paul S. Bhella**, M Dean Palmer, and Benjamin D. Levine. Effects of Pericardial Constraint on Left Ventricular Hemodynamics in the Unloaded Heart. *J Amer Coll Cardiol*. 2011; 57: E233

2010 AHA Scientific Sessions

Paul S Bhella, Jeffrey L Hastings, Naoki Fujimoto, Shigeki Shibata, Graeme C Carrick-Ranson, Nainesh K Gandhi, and Benjamin D Levine. Abstract 18540: Lifelong Exercise Training Results in a Dose Dependent, Upward Shift of the Frank-Starling Relationship in Healthy Seniors. *Circulation.* 2010; 122: A18540.

Jeffrey L Hastings, **Paul S Bhella**, Graeme C Carrick-Ranson, Naoki Fujimoto, Nainesh Gandhi, Nicole Minniefield, Shigeki Shibata, Kara Boyd, M. Dean Palmer, and Benjamin D Levine. Abstract 14722: Lifelong Exercise Training Demonstrates a Dose Dependent Effect on Left Ventricular Myocardial Compliance and Distensibility. *Circulation*. 2010; 122: A14722.

Naoki Fujimoto, Jeffrey L Hastings, **Paul S Bhella**, Shigeki Shibata, Nainesh K Gandhi, Graeme C Carrick-Ranson, M Dean Palmer, and Benjamin D Levine. Abstract 12782: Effect of Aging on Left Ventricular Compliance and Distensibility in Healthy Sedentary Humans. *Circulation.* 2010: 122: A12782.

Graeme Carrick-Ranson, Jeff L Hastings, **Paul S Bhella**, Naoki Fujimoto, Shigeki Shibata, M D Palmer, Kara Boyd, and Benjamin D Levine. Abstract 13156: Life-long Training Volume Alters the Hemodynamic Response during Maximal Exercise in Healthy Older Adults. *Circulation*. 2010; 122: A13156.

Graeme Carrick-Ranson, Jeff L Hastings, **Paul S Bhella**, Nainesh Gandhi, Naoki Fujimoto, Shigeki Shibata, M D Palmer, Kara Boyd, and Benjamin D Levine. Abstract 13468: Left Ventricular Mass Increases with Life-long Training Volume Irrespective of Scaling Unit. *Circulation*. 2010; 122: A13468.

Naoki Fujimoto, Graeme C Carrick-Ranson, Jeffrey L Hastings, Shigeki Shibata, **Paul S Bhella**, Nainesh K Gandhi, M Dean Palmer, and Benjamin D Levine. Abstract 13104: Effect of Aging on Exercise Capacity in Non-obese Healthy Sedentary Humans. *Circulation*. 2010; 122: A13104.

2010 AHA Scientific Sessions

Shigeki Shibata, Naoki Fujimoto, Jeffrey L Hastings, Graeme Carrick-Ranson, Nainesh K Gandhi, **Paul S Bhella**, and Benjamin D Levine. Abstract 12372: Dose-dependent Relationship between Life-long Exercise Training and Central Arterial Stiffness in the Elderly. *Circulation*. 2010; 122: A12372.

2010 Society of Cardiovascular CT Meeting

Paul Bhella, Kevin Wheelan, Jeffrey Schussler. Left Atrial Volume by 64-Slice CT and Failure Rates in Atrial Fibrillation Ablation: 3 Year Follow-Up.

2010 ACC Annual Meeting

Paul S Bhella, Eric L Pacini, Anand Prasad, Jeffery . Hastings, Benjamin D Levine. Do E/E' or E/Vp Track Changes in Left-Sided Filling Pressure in Individual Patients with Heart Failure with Preserved Ejection Fraction?

Paul S Bhella, Tiffany B. VanGundy, Qi Fu, Benjamin D. Levine. Exercise Training Improves LV Mass, LV End Diastolic Volume and Stroke Volume and Reduces Upright Heart Rate in the Postural Orthostatic Tachycardia Syndrome.

Naoki Fujimoto, **Paul S Bhella**, Shigeki Shibata, Jeff Hastings, Nicole Minniefield, Dean Palmer, Benjamin D. Levine. Life-long Patterns of Physical Activity Determine Exercise Capacity and Cardiac Function

2009 AHA Scientific Sessions

Paul S Bhella, Shigeki Shibata, Jeffery L Hastings, Anand Prasad, Armin Arbab-Zadeh, Nicole Minniefield, M Dean Palmer, James McLoughlin, Daniel Creson, Benjamin D Levine. Lifelong Exercise Training Demonstrates a Dose Dependent Effect on Left Ventricular Compliance and Distensibility. Circulation. Nov 2009; 120: S634.

Paul S Bhella, Mark Goleski, Paul A Grayburn, and Benjamin D Levine. Early Diastolic Strain Rate: Is It Truly Preload Independent? Circulation. Nov 2009; 120: S358.

Paul S Bhella, Shigeki Shibata, Jeffery L Hastings, Anand Prasad, Armin Arbab-Zadeh, Nicole Minniefield, M. D Palmer, James McLoughlin, Daniel Creson, and Benjamin D Levine. Lifelong Exercise Training Demonstrates a Dose Dependent Effect on Left Ventricular Compliance and Distensibility. Circulation. Nov 2009; 120: S512.

David W Markham, Qi Fu, Eric Pacini, **Paul Bhella**, Nicole Minniefield, Liseth F Metzemaekers, Dominik Ridder, M M Galbreath, Dean Palmer, Shigeki Shibata, Rong Zhang, Brian T Bethea, Dan M Meyer, Parag C Patel, Mark H Drazner, and Benjamin D Levine. Non-pulsatile Left Ventricular Assist Device (LVAD) Patients Have Exaggerated Hemodynamic and Autonomic Responses to Head up Tilting Compared to Pulsatile LVAD Patients and Controls. Circulation. Nov 2009; 120: S843.

Dominik Ridder, David W Markham, Qi Fu, Eric Pacini, **Paul Bhella**, Nicole Minniefield, Liseth F Metzemaekers, Melyn M Galbreath, Dean Palmer, Shigeki Shibata, Rong Zhang, Brian T Bethea, Dan M Meyer, Parag C Patel, Mark H Drazner, and Benjamin D Levine. Non-pulsatile Left Ventricular Assist Device (LVAD) Patients Show Impaired Cerebral Autoregulation in Response to Upright Tilt. Circulation. Nov 2009; 120: S725 - S726.

2009 ACC Annual Meeting

Paul S Bhella, Shigeki Shibata, Jeff L Hastings, Eric Pacini, M Dean Palmer, Benjamin D Levine. Lifelong Exercise Training Demonstrates a Dose Dependent Threshold Effect on Central Arterial Compliance. *J Amer Coll Cardiol*. 2009; 53 (10): SA447.

2004 HFSA International Meeting

Paul S Bhella, Hema M Doshi, Adrian Reuben, Terrence X O'Brien. Diastolic dysfunction in end-stage liver disease post-liver transplant. Journal of Cardiac Failure. 2004; 10(4):S32.

Other Abstracts

Shigeki Shibata, Jeff Hastings, **Paul Bhella**, Eric Pacini, Felix Krainski, Dean Palmer, Tiffany VanGundy, Daniel Creson, Qi Fu, Rong Zhang and Benjamin D. Levine. Effects of Bedrest, Aging and Exercise Training on the Dynamic Starling Mechanism. *The FASEB Journal*. 2008;22:970.8.

R Matthew Brothers, **Paul S Bhella**, Shigeki Shibata, Jonathan E. Wingo, Benjamin D Levine, Craig G Crandall. Tissue Doppler indices of cardiac contractile function during whole-body heat stress. *The FASEB Journal*. 2008;22:970.24.

Shigeki Shibata, **Paul Bhella**, Eric Pacini, Krainski Felix, Benjamin D Levine. The Relationship between CVP and PCWP in Healthy Individuals. *Anesthesiology*. 2008; 109:A1679.

JM Clark, **P Bhella**, M Bratoeva, PB Giles, WJ Faught, S Frawley, KW Hewett, TC McQuinn. GFP Tagging of Shaker and Herg Potassium Channels. *Circulation*. 1998; 17: I-127.

Jeremy Scott Brady, MD PLLC 603 Tanbark Drive, Euless, TX 76040 Cell: (515) 720-4770

Email: jeremy.s.brady@gmail.com

CURRENT EMPLOYMENT Jeremy Brady MD PLLC, Emergency Medical Consultants • Texas Health Hurst Euless Bedford (HEB)/Dallas Methodist Medical Center • Assistant Clinical Professor UT Southwestern Department of Emergency Medicine	Dallas/Bedford, TX 2015-current 2015-current
EDUCATION & TRAINING University of Texas Southwestern Emergency Medicine Residency • PGY1-PGY3 years • Chief Resident	Dallas, Texas 2012 - 2015 2015
University of Iowa Roy J. and Lucille A. Carver College of Medicine Octor of Medicine Gold Humanism Honor Society	Iowa City, Iowa 2008 – 2012
 Texas Christian University Bachelor of Science in Biology, minor in History Magna Cum Laude 	Fort Worth, Texas 2004 – 2008
PROFESSIONAL EXPERIENCES	
 Clinical, Emergency Department Physician Methodist Dallas Medical Center, Director PGY3 UT Southwestern Clinical Rotation Texas Health HEB Assistant Clinical Professor UT Southwestern 	2015-current 2015-current 2015-current
 Residency UTSW/ Parkland Hospital Emergency Medicine Resident, <i>Dallas, Texas</i> Clinical House Officer Emergency Department Hawke's Bay, New Zealand 	2012–2015 March-May 2015
 Volunteer Jim Ellefson Free Medical Clinic Volunteer, <i>Des Moines, Iowa</i> Medical Education Community Orientation, Family Medicine, <i>Atlantic, Iowa</i> 	2000-2012 Summer 2009
 Teaching Intern Curriculum Chief/ED Orientation UTSW Residency Foundations of Clinic Practice III Patient Center Learning Small Group Facilitator, <i>Iowa City, Iow</i> TCU Teaching Assistant, Comparative Vertebrate Anatomy, <i>Fort Worth, Texas</i> 	2015 2011 2008
 Other Employment PhysAssist ER Scribe Dallas-Fort Worth, Metroplex, Texas EPIC ER Trainer and Go-Live Assistant, Dallas-Fort Worth, Texas Central Iowa Aquatics, Swimming Coach, Des Moines, Iowa Swim Lesson Instructor, West Des Moines, Iowa 	2006-2008 2006-2007 2006-2007 2003-2005
PRESENTATIONS	
Brady, Jeremy, Fever in a Neonate. Senior Grand Rounds. EM conference Brady, Jeremy, A Case of Hypocalcemia and Back pain. EM conference Brady, Jeremy, A Case of Unexplained Lactic Acidosis. QA. EM conference UTSW Brady, Jeremy. Normalization of Vital and the PERC rule. Presented at UTSW EM conference Brady, Jeremy. What can we learn from the IST-3 Trial? Presented at UTSW EM Journal Club Brady, Jeremy. Does Ketamine increase ICP? Presented to UTSW EM conference Brady, Jeremy. Pediatric Seizures and Surgical Management of Medial Temporal Lobe Epilepsy Presented to University of Jove Department of Neurocurgery	February 2015 September 2015 March 2014 August 2013 April 2013 Oct 2012 September 2010

Presented to University of Iowa Department of Neurosurgery

LEADERSHIP

•	 Director Dallas Methodist UT Southwestern PGY3 Clinical Rotation UTSW Chief Resident Genesis Church Deacon/Life Group Leader/Sports Ministry Leader, North Liberty, Iowa University of Iowa Medical Student EPIC Student Promotions Committee Chair, Iowa City, Iowa 		
•	University of fowa Medical Student Life Student Fromotions Committee Chair, Iowa City, Iowa	2010-2012	
	CERTIFICATIONS		
•	Board Certification Emergency Medicine	Oct 2016	
•	Advanced Cardiac Life Support	current	
•	Pediatric Advanced Life Support	current	
•	Advanced Trauma Life Support	current	
	PROFESSIONAL MEMBERSHIPS		
•	Texas College of Emergency Physicians	2014-current	
•	American College of Emergency Physicians	2010-current	
	AWARDS & HONORS		
•	Texas Health Top Performer in Patient Satisfaction	2016-2017	
•	Texas Health HEB Physician of the Quarter	2016	
•	Chief Resident/Recruitment Chief	2015	
•	Brent Norcross Star Award	2015	
•	Gold Humanism Honors Society	2011	
•	Presidential Scholar and/or Dean's List, Texas Christian University	2004-2008	
•	Alpha Epsilon Delta Pre-Health Honors Society, Texas Christian University Chapter	2007-2008	
•	700620		
•	TCU Men's Swimming Academic Star Award	2005	
•	TCU Men's Swimming Academic All-American	2005	
•	TCU Dean's Scholarship	2004-2008	

PERSONAL

I grew up in Des Moines, Iowa. I attended Texas Christian University for undergraduate and the University of Iowa Carver College of Medicine for my MD. I am the oldest of seven children. I met my wife, Leanne, in college and married in August of 2009. I have two sons: Brighton (5) and Maddox (6m); and, one daughter Parker (2). I am actively involved in my church and enjoy sports of all varieties. I especially love swimming, running, and watching the St. Louis Cardinals, TCU Horn Frogs, and Iowa Hawkeyes. I became interested in emergency medicine while working as an ER scribe in the Dallas/Fort Worth area during college.

DAVID P. CAPPER, M.D. FAAHPM FACP

#3 Bounty Road East Fort Worth, Texas 76132

CURRICULUM VITAE

EDUCATION AND TRAINING

GRADUATE SCHOOL:

Student, Masters of Arts in Biomedical Ethics, 2013 - present Trinity International University, Dearborn, Illinois

CHIEF RESIDENCY:

Internal Medicine, 1985 – 1986 St. Vincent Hospital, Portland Oregon Affiliate – University of Oregon Health Science Center

RESIDENCY:

Internal Medicine Residency, 1983 – 1985 Good Samaritan Hospital and Medical Center Portland, Oregon Affiliate – University of Oregon Health Science Center

INTERNSHIP:

Internal Medicine Internship, 1982 – 1983 Good Samaritan Hospital and Medical Center Portland, Oregon Affiliate – University of Oregon Health Science Center

MEDICAL SCHOOL:

University of Texas Medical School Houston, Texas Graduated 1982, Medical Doctor

COLLEGE:

Austin College Sherman, Texas B.A. Liberal Arts, 1977

HIGH SCHOOL

Fort Worth Country Day School Fort Worth, Texas Graduated 1973

LICENSURE:

Texas G3213, 1982

BOARD CERTIFICATION:

American Board of Internal Medicine September 1986 Hospice and Palliative Medicine 2000, 2007, 2009

FELLOWSHIP AWARDS:

American College of Physicians, 2012 American Academy of Hospice & Palliative Medicine, 2009

HONORS AND AWARDS – POST GRADUATE:

Medical Director of the Year, Central Division, Life Care Centers of America 1996

Athletic Hall of Honor, Austin College, Sherman, Texas 1998 Humanitarian of the Year Award, Tarrant County Medical Society, 2005 Medical Director of the Year, Texas & New Mexico Hospice Organization, 2005 Mildred Hogstel Award – Tarrant Area Gerontological Society, 2011

HONORS AND AWARDS - UNDERGRADUATE

Outstanding Senior Man – Austin College, Sherman, Texas All American, Honorable Mention, Football, Austin College, Sherman Texas Captain of Football Team, Austin College, Sherman, Texas Honor Council Member and Chairman, Austin College, Sherman, Texas Student Body President, Austin College, Sherman, Texas

PROFESSIONAL POSITIONS:

DIRECTOR & MEDICAL DIRECTOR, Covenant Hospice & Palliative Care / Compassus, Fort Worth, Texas, 2014 to present

MEDICAL DIRECTOR, Christian Community Health Services and Clinic (Charity Care), Fort Worth, Texas, 1989 to Present

MEDICAL DIRECTOR, Trina Health of North Texas, Fort Worth, Texas, 2013 to present

CHAIR, Ethics Committee, Plaza Medical Center, Fort Worth, Texas, 2006 to Present

MEMBER, Tarrant County Ethics Consortium, 2005 to Present

MEMBER, THR Harris Methodist Fort Worth Hospital Ethics Committee, 2009 to 2016

MEMBER, THR Harris Methodist Southwest Hospital Palliative Care Committee, 2013 to present

CHAIR, TCMS Humanitarian Committee, Current

MEMBER, TCMS Public Grievance Committee, Recent

VICE PRESIDENT, Project Access Tarrant County Core Committee, Current

CO-AUTHOR, DISRIP 1115 Waiver programs w JPS x 3

PROFESSIONAL APPOINTMENTS:

CLINICAL INSTRUCTOR, in Internal Medicine, University of Texas Southwestern Medical School, Dallas, Texas, Appointed 1991 CLINICAL PRECEPTOR, University of North Texas Health Science Center, Fort Worth, Texas, 1999 to 2009, 2010 to present

ADJUNCT CLINICAL ASSISTANT PROFESSOR in Department of Internal Medicine, Texas College of Osteopathic Medicine, Aug. 31, 2010 to Aug. 31, 2013

FORMER POSITIONS:

MEDICAL DIRECTOR & Executive Vice President, Covenant Hospice & Palliative Care, LP, Fort Worth, Texas, 1999 to 2014

BOARD MEMBER - Alliance Health Providers PPO, Fort Worth, Texas

MEMBER, Palliative Care Committee, Baylor All Saints Hospital, Ft. Worth, Texas, 2008-2012

MEDICAL DIRECTOR - The Gardens Care Center (LTC), Fort Worth, Texas 1991-2003

MEDICAL DIRECTOR – Diagnostechs of Texas (Mobile X-ray company)

MEDICAL DIRECTOR - Renaissance Park Nursing Home, Fort Worth, Texas, 1991 to 2006

MEDICAL DIRECTOR – Family Hospice of Fort Worth, Fort Worth, Texas, 1991 to 1999

MEDICAL DIRECTOR - Plaza Medical Center Skilled Nursing Unit, 1993 to 2001

PRESIDENT & Co-founder – Primary Care Concepts*, Fort Worth, Texas 1995 to 1998

BOARD MEMBER and DIRECTOR- Alliance PPO, Fort Worth, Texas 1996 to 1998

MEMBER, Pharmacy & Therapeutics Committee, Healthsource HMO, Fort Worth, Texas

MEMBER, Emergency Room Quality Assurance Committee, Harris Methodist Fort Worth, Texas (1987 – 1991)

SECRETARY, Medical Staff, Plaza Medical Center, Fort Worth, Texas (2001 to 2004)

PROFESSIONAL ORGANIZATIONS:

Texas Medical Association Tarrant County Medical Society Christian Medical and Dental Society Center for Bioethics and Human Dignity

American Medical Directors Association

Texas Medical Directors Association

Texas Pain Society

Texas Academy of Palliative Medicine

International College of Hospice / Palliative Care

National Hospice and Palliative Care Organization

American Association of Hospice & Palliative Medicine

American Association of Physicians and Surgeons

OTHER ORGANIZATIONS:

Covenant Classical School, Fort Worth, Texas, Board Member

University of Texas Medical School at Houston, Alumni Association

National Right to Life

Texas Geriatrics Society

Christian Community Health Fellowship

Guardianship Services of Tarrant County, (Volunteer Lecturer)

WORK HISTORY: (From 1986)

Emergency Medicine Consultants 1986-1989 (Full Time) 1525 Merrimac Circle, Suite 107 1989-1991 (Part Time)

Fort Worth, Texas 76107

817-336-8600

DUTIES: Staff Physician

E. R. Halden, Jr., M.D., P.A. 1987-1989 (Part Time)

Private Practice Retired

Fort Worth, Texas

DUTIES: Staff Physician

David P. Capper and Associates 1988 – 1990

700 West Rosedale Street Fort Worth, Texas 76104

DUTIES: Senior Physician, Manager [Supervisory]

Hired and fired employees, completed evaluations of employees, prepared budgets, wrote policy and procedures, organized and directed the agency's ongoing functions, managed day-to-day operations.

Christian Community Health Services & Clinic 1989 – present

The Clinic at Beautiful Feet Ministries

1709 East Hattie

Fort Worth, Texas 76104

DUTIES: Medical Director, Co-Founder, Director

Medical direction for the clinical services - oversight of nurses and other medical practitioners. Board oversight for the operations.

Capper & Keller, M.D., P.A. 1990-2003

1400 South Main Street #105

Fort Worth, Texas 76104

DUTIES: Senior Physician, Manager [Supervisory]\

Hired and fired employees, completed evaluations of employees, prepared budgets, wrote policy and procedures, organized and directed the agency's ongoing functions, managed day-to-day operations.

Covenant Hospice & Palliative Care, LP 1999 – 2014

EVP, Medical Director & Administrator

3221 Collinsworth Street, Suite 160

Fort Worth, Texas 76107

DUTIES: Physician, Manager, Administrator [Supervisory]

Hired and fired employees, completed evaluations of employees, prepared budgets, wrote policy and procedures, organized and directed the agency's ongoing functions, managed day-to-day operations.

Covenant Hospice & Palliative Care, LLC 2014 – present

Director & Medical Director

3221 Collinsworth Street, Suite 160

Fort Worth, Texas 76107

DUTIES: Senior Physician, Medical Director, Director (Board of Directors)

Oversee medical care of the patients, and manage the associated and affiliated medical directors and participating physicians and physician extenders. Provide executive level participation in development and direction for company.

Campbell Specialty Care

2001 - 2003

Weatherford, Texas

DUTIES: Senior Physician, Manager [Supervisory]

Hired and fired employees, completed evaluations of employees, prepared budgets, wrote policy and procedures, organized and directed the agency's ongoing functions, managed day-to-day operations.

Provided hospitalist medical services.

Consultants in Cardiology

01/01/2004 - Present

1300 West Terrell Avenue #500

Fort Worth, Texas 76104

DUTIES: Staff Physician (on-call)

David P. Capper, MD PLLC

2012 - Present

3221 Collinsworth Street

Suite 160

Fort Worth, Texas 76107

DUTIES: Consultant, Senior Physician, Manager

Consultations to health care entities on a variety of issues, including but not limited to: Palliative Care programs, Hospice, Underserved populations, Cost-effective patient care strategies, etcetera.

Prepare budgets, wrote policy and procedures, organize and direct the agency's ongoing functions, manage day-to-day operations.

Trina Health of North Texas / Health Assurance of North Texas / Advanced Metabolism Care Associates

1307 Eighth Avenue

2013 - Present

Suite 608

Fort Worth, Texas 76104

DUTIES: Medical Director, Founder

Hire and fire employees, complete evaluations of employees, assist in preparing budgets, assisted in writing policy and procedures, assist in organizing and directing the agency's ongoing functions, assist in managing day-to-day operations.

Acclaim, JPS Physician Group

2016 – present

DUTIES: Physician

Medical Director of a Medical Respite program (under an 1115 Waiver)

Medical Director of Pathways to Housed program for homeless (under an 1115 waiver)

PERSONAL:

Date of Birth: September 27, 1955
Place of Birth: Columbus Ohio
Marital Status: Married, August 1983

Family Status: Six children, birthed 1984 to 1998

*Primary Care Concepts was a 'Messenger Model' primary care IPA with some value-added supportive and integrated components. We also purchased the Alliance PPO and had oversight of that organization.

Updated 06/2017

Daniel F. Casey, M.D.

Department of Family Medicine John Peter Smith Hospital 1500 South Main Street Fort Worth, Texas 76104 817-927-1200

Positions and Employment:

2005 - Present Program Director

Department of Family Medicine

JPS Health Network, Fort Worth, Texas

1998-Present Family

Family Medicine Faculty

JPS Health Network, Fort Worth, Texas

2002-2005

President, Medical Staff

JPS Health Network, Fort Worth, Texas

1998-2001

Campbell Hospital - Emergency Department

Weatherford, Texas

2010-Present

Assistant Professor - UT Southwestern Medical Center

2005-Present

Assistant Professor - Texas A&M University Health Science Center

Current Certification:

2004 – 2011 American Board of Family Medicine

Original certification 1998

1995 - Present Texas License - K2148

Education:

1995 Medical Doctorate, University of Missouri-Columbia, Columbia Missouri

1991 Bachelor of Science, Rockhurst College, Kansas City, Missouri

Post Graduate Training:

1996 - 1998 Residency, Family Practice Residency, JPS Health Network,

Fort Worth, Texas

1995 – 1996 Internship, Family Practice Residency, JPS Health Network,

Fort Worth, Texas

Current Professional Activities / Committees:

2011 - Present Association of Family Medicine Residency Directors (AFMRD)

Nominations Committee

2010 - Present Association of Family Medicine Residency Directors (AFMRD)

Membership Committee

2010 - Present John Peter Smith Hospital Practitioners Advisory Council (Peer Review)

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Chair

2008 - Present Tarrant County Hospital District Board of Managers Finance Sub-

Committee

2005 - Present John Peter Smith Hospital Medical Staff Bylaws Committee Chair

Presentations:

- Casey D, Young RA. Texas residency experience with P4 project. Family Medicine Leadership Conference. Austin, TX Feb 2008.
- Casey D. JPS Update and Progress. P4 Innovators National Conference. Austin, TX Feb 2008.
- Casey D. P4 Project Participants. Residency Program Solutions Conference. Kansas City, MO March 2008.
- Casey D. P4 Project Participants. Residency Program Solutions Conference. Kansas City, MO March 2008.
- Casey D. P4 Project Participants Update. P4 Innovator Meeting. Bloomington, MN September 2008.
- Casey D. P4 Project Participants Update. Society of Teachers for Family Medicine Annual Conference. Denver, CO April 2009.
- Casey D, Lindbloom E, Corboy J, Deane K, Douglass A, Khan F, Krasovich S, LoPresti L,
 Morton K, Osborn J, Ringdahl E, Rogers J, Shacks L, Stehney M, Young R. Poster: FourYear Curricula In Family Medicine Residency Training: Various Approaches In the P4
 Initiative. Society of Teachers for Family Medicine Annual Spring Conference. Denver,
 CO April 2009.
- Casey D, Young RA, Wooldridge L. Poster: Four Years of Residency Combining Fellowship

 Training into the Residency Years: EarlyResults of JPS P4. Awarded first place. AAFP

 Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2009.
- Casey D. P4 Project Participants Update. AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2009.
- Casey D. Innovative Rapid Fire Showcase. AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2009.
- Casey D, Gerk T. Exploring New Training Models for Future Family Physicians. AAFP Residents and Students National Conference. Kansas City, MO July 2009.
- Casey D, Douglass, A. Thrills, Spills, and Tips: Transitioning to a Four Year Residency Curriculum.

 AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO July 2010.
- Casey D, Jones, S. P4 Learnings Year 3. AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2010.
- Casey D, Young R, Wooldridge, L. 'Four Years of Residency-Combining Fellowship Training into the Residency Years: Early Results of JPS P4'. AAFP Residents and Students National Conference. Kansas City, MO July 2010.

Page 536 of 1481

- Casey D, Baumer J, Bolton L, Young, R. Optional Additional Flexible Longitudinal Training. P4 Innovators Meeting. Kansas City, MO April 2011.
- Casey D., Douglass, A. Thrills, Spills, and Tips on Transitioning to a Four Year Residency Curriculum.

 AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2011.
- Casey D., In-Training Exam Improvement: More than Better Recruiting. AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2011.
- Casey D, Baumer J, Bolton L, Young, R. Optional Additional Flexible Longitudinal Training. AAFP Workshop for Directors of Family Medicine Residencies (PDW). Kansas City, MO June 2011.

Awards

2008, 2009 Fort Worth Top Docs

2005, 2006, 2007 Perkins Family Medicine Teaching Award

1999, 2000, 2004 W.W. Goldman, Jr., M.D., Memorial Award for Outstanding Clinical Professor, JPS Health Network





July 3, 2017

Curriculum Vitae

Joseph Carl Cecere, DMD

CURRENT TITLE: Oral and

Maxillofacial Surgeon

BUSINESS ADDRESS 4969 E Interstate 20 Service Road N Willow Park, TX 76087

CONTACT INFORMATION Tel 817-994-0914/ email: joececere@hotmail.com

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1967-1971	A.B. Psychology (High Distinction)	Dartmouth College, Hanover, NH

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1971-1973	Graduate Studies	Massachusetts Institute Technology, Cambridge, MA
1973-1977	Doctor of Medical Dentistry	Fairleigh Dickinson University School of Dentistry, Hackensack, NJ

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
1977-1978	Residency, General Practice	Scott USAF Medical Center, Scott AFB, IL
1978-1982	Residency, Oral and Maxillofacial Surgery	David Grant USAF Medical Center Travis AFB, CA

BOARD CERTIFICATION:

1984 Diplomate American Board of Oral and Maxillofacial Surgery

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
1984	Texas State Board of Dental Examiners, TX 14609	October 2017







Chronology of Employment:

Year	Title	Place
1982-1986	Chief, Oral and Maxillofacial Surgery	Carswell USAF Regional Hospital, Carswell AFB, TX
1986-2016	Private Practice Oral and Maxillofacial Surgery	Fort Worth and Weatherford, TX
2016- present	Private Practice Oral and Maxillofacial Surgery, Part Time	Willow Park, TX

Honors and Awards

Years	Honor/Award Type	Institution
1981	Outstanding Young Men of America	OYM Institute
1984	Commendation Medal	United States Air Force
1986	Meritorious Service Award	United States Air Force
2015	Outstanding Veteran Award	Fort Worth District Dental Society

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2003-2010	Board of Directors	Fort Worth District Dental Society, Fort Worth, TX, USA
2009	President	Fort Worth District Dental Society, Fort Worth, TX, USA

Professional & Scientific Committees

Years	Title/Role,	Institution, City, State, Country
1982-1986	Member, Quality Assurance Risk Management Committee	Carswell USAF Regional Hospital Carswell AFB, TX, USA

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1982-1986	Member, Pharmacy and Infectious Disease Committee	Carswell USAF Regional Hospital Carswell AFB, TX, USA
1987-1993	Member, Quality Assurance and Risk Management Committee	St. Joseph's Hospital, Fort Worth, TX, USA
1998-2016	Member, Pharmacy and Nutrition Committee	Texas Health Harris Methodist Hospital, Fort Worth, TX, USA
1999-present	Member, By Laws Committee	Texas Health Harris Methodist Hospital, Fort Worth, TX, USA

PROFESSIONAL COMMUNITY ACTIVITIES

Years	Title/Role,	Institution/Organization, City, State, Country
1982-1984	Coach	Blue Raider Soccer, Fort Worth, TX USA
1987-1988	Cubmaster	Pack 350, Boy Scouts of America, Fort Worth, TX, USA
1990-1992	Scoutmaster	Troop 350, Boy Scouts of America, Fort Worth, TX, USA
2003-2010	Delegate	Texas Dental Association House of Delegates, Texas Dental Association, San Antonio, TX, USA
2013, 2014	Oral Surgery Provider	Texas Mission of Mercy, Mineral Wells TX, USA
2016	Oral Surgery Provider	Christ Chapel, Medical Mission to India, Fort Worth, TX, USA

Oral Presentations

1982	Cecere, J.C. Fibrous Dysplasia of the Mandible Pretreatment Planning and Treatment, a Case Study. Society of Air Force Clinical Surgeons/ United State Air Force, San Antonio, TX, USA.
1986	Cecere, J. C. Scope of Oral and Maxillofacial Surgery. St. Joseph's Hospital, Fort Worth, TX, USA.
1989	Cecere, J.C. Temporomandibular Joint Arthroscopy. Harris Methodist Hospital, Fort Worth, TX, USA.

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1994 Cecere, J.C. Scope of Oral and Maxillofacial Surgery. Universidad

Veracruzana, Vera Cruz, Mexico.

2006 Cecere, J.C. Worst Case Scenarios in Dentoalveolar Surgery. Fort Worth

District Dental Society, Fort Worth, TX, USA.

Review Articles

<u>Cecere, J.C</u> (2006). Pressure in the Dental Office... Hypertension That is!.

Twelfth Night, April.

Cecere, J.C. (2007). Methamphetamines and Oral Health. Twelfth Night,

February.

Cecere, J.C. (2010). Let's Talk About Dental Implants. Maverick Magazine,

volume 1 page 53, November.

I. PERSONAL INFORMATION

Yi-Qiang (Eric) CHENG, PhD

Professor of Pharmaceutical Sciences

University of North Texas System College of Pharmacy

University of North Texas Health Science Center

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II. EMPLOYMENT HISTORY

June 2013– Full Professor with tenure. Department of Pharmaceutical Sciences, UNT System College of Pharmacy, University of North Texas Health Science Center, Fort Worth, TX 76107

2009–2013 Associate Professor with tenure. Department of Biological Sciences, University of Wisconsin–Milwaukee, WI, USA

2006–2013 Adjunct Assistant / Associate Professor. Department of Chemistry and Biochemistry, University of Wisconsin–Milwaukee, WI, USA

2003–2009 Tenure-Track Assistant Professor of Microbiology and Biochemistry. Department of Biological Sciences, University of Wisconsin–Milwaukee, WI, USA

III. EDUCATION AND TRAINING

2001–2003 Postdoctoral Research Associate. Natural product biochemistry. School of Pharmacy, University of Wisconsin–Madison, Wisconsin, USA

1999–2001 Postdoctoral Research Associate. Natural product biochemistry. Department of Chemistry, University of California–Davis, California, USA

1993–1999 PhD in Botany and Microbiology (focused on the molecular biology and biochemistry of fungal natural product biosynthesis). Michigan State University, Michigan, USA

1989–1992 MS in Phytochemistry. Institute of Botany, Chinese Academy of Sciences, Beijing, China.

1985–1989 BS in Microbiology. Huazhong Agricultural University, Wuhan, China.

IV. ACADEMIC AND PROFESSIONAL ACTIVITIES

Honors and Awards

2013 Arthur E. Schwarting Award for the *Journal of Natural Products* Best Paper of the Year

2012–2013 University of Wisconsin Libraries Research Fellow

2011– Guest Professor. Wuhan Univ. School of Pharmaceutical Sciences, China 2011–2013 Member of the Milwaukee Institute for Drug Discovery, UW–Milwaukee

2010 Research Growth Initiative (RGI) Award. UW–Milwaukee

2009–2012 Visiting Researcher. Shanghai Jiao Tong Univ. Sch of Life Sci and Tech, China 2008 Idea Award. US Department of Defense Breast Cancer Research Program

2008 Research Growth Initiative (RGI) Award. UW–Milwaukee

2006 Research Growth Initiative (RGI) Award. UW–Milwaukee

1999 Bessey Research Award for Outstanding Graduate Research. Michigan St. Univ.

1998 Academic Travel Award. The Graduate School of Michigan State University

1989–1992 Graduate Fellowships. The Chinese Academy of Sciences

1986–1988 Outstanding Student Awards. Huazhong Agricultural University

National and International Service Activities

Grant Proposal Reviewer for:

AACP New Investigator Awards (2016)

Indonesia Science Fund (2016)

US Department of Defense Medical Research Program (2010, panel member; 2011, declined to serve, due to a conflict of interest; 2013)

Italian National Science Foundation (2010, 2013)

US National Science Foundation (2010, *Ad hoc*)

US Civilian Research & Development Foundation (2006)

Journal Reviewer for:

Antonie van Leeuwenhoek Journal of Microbiology

Applied and Environmental Microbiology

Applied Microbiology and Biotechnology

Biochemical Journal

Bioorganic & Medicinal Chemistry

Bioorganic & Medicinal Chemistry Letter

Biopolymers

Bioresource Technology

ChemBioChem

Journal of Antibiotics

Journal of Applied Microbiology

Journal of Biotechnology

Jacobs Journal of Biotechnology and Bioengineering (Editorial Board member)

Journal of Industrial Microbiology and Biotechnology (Editorial Board member)

Journal of Microbiology and Biotechnology

Journal of Natural Products

Medicinal Chemistry Communications

Molecular BioSystems

PNAS

etc.

Conference Session Chair or Co-Chair at:

American Chemical Society (ACS) 2014 Southwest Regional Meeting (SWRM), Natural Product Discovery and Biosynthesis Sessions. November 2014, Fort Worth, Texas, USA

BIT's 4th World Cancer Congress, Track 2-3: Cancer Genomics, Genetics, Epigenetics and System Biology. May 2011, Dalian

BIT's 8th Annual Congress of International Drug Discovery Sciences and Technology, Section 1-1: Oncology and Drug Discovery. Oct. 2010, Beijing

Memberships:

American Association for the Advancement of Sciences (AAAS; 1999–present)

American Association of Colleges of Pharmacy (AACP; 2013–present)

American Association for Cancer Research (AACR; 2009–2013)

American Chemical Society (ACS; 2003–present)

American Society of Microbiology (ASM; 2003–2015)

Society for Industrial Microbiology and Biotechnology (SIMB; 1998–present)

University and Department Service Activities

At the University of North Texas Health Science Center (UNTHSC) and UNT System College of Pharmacy (UNT SCP) (2013–present):

UNT SCP By-laws Working Group Member, 2013

UNT SCP Promotion & Tenure Committee, 2013-2016

UNT SCP Promotion & Tenure Special Working Group (Chair), 2015-2016

UNT SCP Admission Committee, 2013-present

UNT SCP Curriculum Committee, 2013-2014

UNT SCP Student Performance Committee, 2013–2016

UNT SCP Graduate Program Committee (Chair), 2014-present

UNT SCP Faculty Search Committee, 2013–2015

UNT SCP Seminar Coordinator, 2013-present

UNTHSC Faculty Senate Member, 2013-2014

UNTHSC Graduate School of Biomedical Sciences Graduate Council, 2014-present

UNTHSC Graduate School of Biomedical Sciences Admission Committee, 2014-present

UNTHSC Research Advisory Council, 2014-present

UNTHSC President's Council on Research, 2017-present

At the University of Wisconsin–Milwaukee (2003–2013):

UWM College of L & S Biotechnology Program Committee, 2003–2013

Steering Committee of UWM Center for Functional and Environ. Genomics, 2004–2006

UWM Bio Sci Department Publicity and Awards Committee, 2004–2006

UWM Bio Sci Committee on Biotechnology Certificate Program, 2006

UWM Bio Sci ad hoc Biotechnology Faculty Search Committee member, 2007

UWM Bio Sci Department Colloquium Committee, 2006–2008

UWM Bio Sci Department Space and Facilities Committee, 2008–2009

UWM Bio Sci Department Graduate Study Committee, 2010–2011

UWM Bio Sci Department Planning and Policy Committee, 2011

UWM Bio Sci Department Personnel Committee, 2011–2012

UWM Graduate School Graduate Program Committee, 2011–2013

V. TEACHING EXPERIENCE

Course	Name	Terms
PHAR 7412	Metabolic Basis of Pharmacotherapy	Every Fall semester since 2013
PHAR 7203	PharmD Research & Seminar	Every semester since Fall 2014
Additional to	eaching involvement in PHAR 7234, PHAR 7	7442, BMSC 5135, PSPT 6400 and IPE
BioSci 103	Biotechnology in the 21 st Century	Fall 2006, Springs of 2007–2013
BioSci 152	Foundations - Biological Sciences II (Micro	obiology section) Spring 2008
BioSci 595	Principles of Genetic and Molecular Engine	eering Spring & Fall 2005, Fall 2009
BioSci 671	Senior Seminar in Microbiology	Springs of 2009–2010
BioSci 925	Frontiers in Biotechnology	Spring 2004, Spring 2006

BioSci 925 Recent Developments in Biotechnology Fall 2004

VI. RESEARCH INTERESTS AND SUPPORT

The long-term goal of my research is to discover and develop bioactive natural products from microorganisms as drugs or drug leads for the treatment of cancer and other types of diseases. Since graduate school I have been studying the genetics and biochemistry of microbial production of potent antibiotics and anticancer agents. In recent years as an independent investigator, I redefined my research to focus on *de novo* genomics-guided discovery of new natural products from underappreciated microbial sources. To this end, my laboratory has so far discovered a serial of eight potent histone deacetylase (HDAC) inhibitors, and a serial of five pre-mRNA splicing inhibitors. I have forged collaborations with internal and external experts to evaluate some of those small molecules at various stages of in vitro and in vivo studies on tumor models, e.g. with Dineo Khabele (Vanderbilt University) on ovarian cancer, with Herbert Chen and Shaoqin Gong (UW-Madison) on neuroendocrine cancer, with Kit Lam (UC-Davis) on breast cancer, with Hong Ding (Wuhan

University, China) on colon caner, with Jer-Tsong Hsieh (UT Southwestern) on prostate cancer, with Abbot Clark and Weiming Mao (UNTHSC) on glaucoma, and with Riyaz Basha (UNTHSC) on leukemia and neuroblastoma. Some of those studies have generated exciting results and provided opportunities for further studies and funding opportunities. My research has been generously supported by NIH grants (R03, R01 and CTSA Pilot Grant), a US Department of Defense BCRP Idea Award and a pilot grant from the Lynde and Harry Bradley Foundation, supplemented with institutional funds from the University of Wisconsin–Milwaukee (UWM), the UWM Research Foundation, and now from the University of North Texas Health Science Center (UNTHSC).

Grants, Contracts and Awards:

Current Grants and Awards:

None

Pending Grant Applications:

CPRIT HIHR Award Program. Cheng (PI) 09/01/17-08/31/19 1.5 cal. mo.
 New Natural Product Fraction Library Derived from Indigenous Texas Microbes for Cancer Drug Discovery

Budget: \$200,000

The goal of this project is to prepare a high quality, medium-scale, demonstrative natural product fraction library using microorganisms isolated from diverse Texas soils for the discovery of anticancer drugs or drug leads.

Completed Grants and Awards:

- NIH/NCI R01 CA152212 Cheng (Sole PI) 08/01/10-11/30/15 2.4 cal. mo.
 Discover and Engineer New Histone Deacetylase Inhibitors as Anticancer Agents
 The major goals of this project are to discover and engineer a small library of FK228-class histone deacetylase (HDAC) inhibitors by combinatorial biosynthesis and chemical derivatization, to conduct in vitro and in vivo activity evaluations, and to identify drug candidates for advanced preclinical testing.
- 2. NIH/NCATS 5UL1TR001105 (Pilot Grant) Cheng (PI) 01/01/15-12/31/15 0.6 cal. mo. Experimental Therapeutics Targeting Aberrant Alternative Splicing of Androgen Receptor Gene Expression in Castration Resistant Prostate Cancer The goal of this pilot grant is to conduct preliminary evaluations of a small class of pre-mRNA splicing inhibitors in castration resistant prostate cancer. Co-PI: Jer-Tsong Hsieh
- 3. NIH/NIAID R03 Al073498, "Antibiotics Discovery from the Great Lakes". Role: Sole PI. Budget: \$142,846. Duration: 07/01/2007–06/30/2009 extended to 06/30/2010.UWM Research Foundation Catalyst Grant, "New Compounds to Fight Cancer". Role: Sole PI. Budget: \$70,000. Duration: 07/01/2010–6/30/2011.
- 4. US Department of Defense (DoD) Breast Cancer Research Program (BCRP) Idea Award BC073985, "Engineer Novel Anticancer Bio-Agents". Role: Sole Pl. Budget: \$437,019. Duration: 09/15/2008–09/14/2011.UWM Research Growth Initiative (RGI) Award-2010, "Preparation of Lead Anticancer Compounds for Preclinical Evaluations". Role: Sole Pl. Budget: \$106,710 (covered a course buyout). Duration: 07/01/2010–12/31/2011.
- 5. Lynde and Harry Bradley Foundation, "Novel Nano-medicines for Targeted Neuroendocrine Cancer Therapy". Role: Co-PI; PI: S. Gong at UW-Madison. Budget: \$50,000 (\$12,500 to Y. Cheng). Duration: 07/01/2012–07/31/2013.
- 6. UWM Research Foundation, Supplementary Graduate Fellowship for V. Potharla. Role: Sponsoring Pl. Budge: \$10,000. Duration: 2009–2010.
- UWM Research Growth Initiative (RGI) Award-2008, "Engineer Novel Anticancer Bio-Agents a pilot study". Role: Sole PI. Budget: \$98,143 (covered a course buyout). Duration: 07/01/2008– 12/31/2009.

8. 6. UWM Research Growth Initiative (RGI) Award-2006, "New Method for Natural Product Discovery from Genome-Sequenced Microorganisms". Role: Sole Pl. Budget: \$124,200 (covered a course buyout). Duration: 07/01/2007–12/31/2008.

VII. PUBLICATIONS

Primary Research Papers:

- 1. Scott-Craig J, **Cheng Y-Q**, Cervone F, de Lorenzo G, Pitkin JW and Walton JD (1998) Targeted mutants of *Cochliobolus carbonum* lacking the two major extracellular polygalacturonases. *Applied and Environmental Microbiology* 64:1497-1503.
- 2. **Cheng YQ**, Le LD, Walton JD and Bishop KD (1999) ¹³C labeling indicates that the epoxide-containing amino acid of HC-toxin is synthesized by head-to-tail condensation of acetate. *Journal of Natural Products* 62:143-145.
- Cheng Y-Q, Ahn J-H and Walton JD (1999) A putative branched-chain-amino acid transaminase gene required for HC-toxin biosynthesis and pathogenicity in *Cochliobolus carbonum*. *Microbiology* 145:3539-3546.
- 4. **Cheng Y-Q** and Walton JD (2000) A eukaryotic alanine racemase gene involved in cyclic peptide biosynthesis. *Journal of Biological Chemistry* 275:4906-4911.
- Ahn J-H, Cheng Y-Q and Walton JD (2002) A refined physical map of the TOX2 locus of Cochliobolus carbonum required for cyclic peptide biosynthesis. Fungal Genetics & Biology 35:31-38.
- 6. **Cheng Y-Q**, Tang G-L and Shen B (2002) Identification and localization of the antitumor macrolactam leinamycin biosynthesis gene cluster from *Streptomyces atroolivaceus* S-140. *Journal of Bacteriology* 184:7013-7024.
- 7. **Cheng Y-Q**, Tang GL and Shen B (2003) Type I polyketide synthase requiring a discrete acyltransferase for polyketide biosynthesis. *Proceedings of the National Academy of Sciences (USA)* 100:3149-3154 (Highlighted by a *Commentary*).
- 8. Tang G.-L., **Y.-Q. Cheng** and B. Shen (2004) The biosynthetic gene cluster of the antitumor antibiotic leinamycin from *Streptomyces atroolivaceus* S-140 revealing unprecedented architectural complexity for a hybrid polyketide synthase and nonribosomal peptide synthetase. *Chemistry & Biology* 11:33-45.
- 9. Tang G-L, **Cheng Y-Q** and Shen B (2006) Polyketide chain skipping mechanism in the biosynthesis of the hybrid nonribosomal peptide-polyketide antitumor antibiotic leinamycin in *Streptomyces atroolivaceus* S-140. *Journal of Natural Products* 69:387-393.
- 10. **Cheng Y-Q** (2006) Deciphering the biosynthetic codes for the potent anti-SARS-CoV cyclodepsipeptide valinomycin in *Streptomyces tsusimaensis* ATCC 15141. *ChemBioChem* 7:471-477.
- 11. Tang G-L, **Cheng Y-Q** and Shen B (2007) Chain initiation in the leinamycin-producing hybrid non-ribosomal peptide/ polyketide synthetase from *Streptomyces atroolivaceus* S-140: discrete, monofunctional adenylation enzyme and peptidyl carrier protein that directly load (*D*)-alanine. *Journal of Biological Chemistry* 282:20273-20282.
- 12. **Cheng Y-Q**, Yang M and Matter AM (2007) Characterization of a gene cluster responsible for the biosynthesis of anticancer agent FK228 in *Chromobacterium violaceum* No. 968. *Applied and Environmental Microbiology* 73:3460-3469.
- 13. Wang C, Wesener SR, Zhang H and **Cheng Y-Q** (2009) An FAD-dependent pyridine nucleotide-disulfide oxidoreductase is involved in disulfide bond formation in FK228 anticancer depsipeptide. *Chemistry & Biology* 16:585-593.
- 14. Guzei IA, Wang C, Zhan Y, Dolomanov OV and **Cheng Y-Q** (2009) Pseudomerohedrally twinned monoclinic structure of unfolded 'free' nonactin: comparative analysis of its large conformational change upon encapsulation of alkali metal ions. *Acta Crystallographica* C65:o521-o524 (Featured as "Molecule of the Year" on cover page).

- 15. Matter AM, Hoot SB, Anderson PD, Neves SS and **Cheng Y-Q** (2009) Valinomycin biosynthetic gene cluster in *Streptomyces*: conservation, ecology and evolution. *PLoS ONE* 4(9):e7194.
- 16. McBride MJ, Xie G, Martens EC, Lapidus A, Henrissat B, Rhodes RG, Goltsman E, Wang W, Xu J, Hunnicutt DW, Staroscik AM, Hoover TR, Cheng Y-Q and Stein JL (2009) Novel features of the polysaccharide-digesting gliding bacterium Flavobacterium johnsoniae as revealed by genome sequence analysis. Applied and Environmental Microbiology 75:6864-6875.
- 17. Hunnicutt DW, Xie G, Lapidus A, et al., Cheng Y-Q, McBride MJ (2009) The complete genome sequence of *Flavobacterium johnsoniae*. *Proceedings of Flavobacterium* 21-23.
- 18. Forman S, Paulley JT, Fetherston TD, **Cheng Y-Q** and Perry RD (2010) *Yersinia* Ironomics: comparison of iron transporters among *Yersinia pestis* biotypes and its nearest neighbor, *Yersinia pseudotuberculosis. BioMetals* 23:275-294.
- 19. Li D, Chung YS, Gloyd M, Joseph E, Ghirlando R, Wright GD, **Cheng Y-Q**, Maurizi MR, Guarne A and Ortega J (2010) Acyldepsipeptide antibiotics induce the formation of a structured axial channel in ClpP: a model for the ClpX/ClpA bound state of ClpP. *Chemistry & Biology* 17:959-969.
- Wesener SR, Potharla VY and Cheng Y-Q (2011) Reconstitution of FK228 biosynthetic pathway revealing cross-talk between modular polyketide synthases and fatty acid synthase. Applied and Environmental Microbiology 77:1501-1507.
- 21. Potharla VY, Wesener SR and **Cheng Y-Q** (2011) New Insights into the Genetic Organization of FK228 Biosynthetic Gene Cluster in *Chromobacterium violaceum* No. 968. *Applied and Environmental Microbiology* 77:1508-1511.
- 22. Ma J, Wang Z, Huang H, Luo M, Zuo D, Wang B, Sun A, **Cheng Y-Q**, Zhang C and Ju J (2011) Biosynthesis of himastatin: assembly line and characterization of three cytochrome P450 enzymes involved in the post-tailoring oxidative steps. *Angew. Chem. Int. Ed.* 50:7797-7802.
- 23. Wang C, Henkes LM, Doughty LB, He M, Wang D, Meyer-Almes F-J and **Cheng Y-Q** (2011) Thailandepsins: bacterial products with potent histone deacetylase inhibition activities and broad-spectrum antiproliferative activities. *Journal of Natural Products* 74:2031-2038.
- 24. Leung E, Datti A, Cossette M, Goodreid J, Mah M, Nakhamchik MA, Ogata K, Bakkouri ME, Cheng Y-Q, Wodak SJ, Eger BT, Pai EF, Liu J, Gray-Owen S, Batey RA and Houry WA (2011) Activators of cylindrical proteases as antimicrobials: identification and development of novel small molecule activators of the ClpP protease. Chemistry & Biology 18:1167-1179.
- 25. Wang C and Cheng Y-Q (2011) Thailandepsin A. Acta Crystallographica E67:o2948-2949.
- 26. Liu B, Hui J, **Cheng Y-Q** and Zhang X (2012) Extractive fermentation for enhanced production of thailandepsin A from *Burkholderia thailandensis* E264 using polyaromatic adsorbent resin Diaion HP-20. *Journal of Industrial Microbiology & Biotechnology* 39:767-776.
- 27. Wilson AJ, **Cheng Y-Q** and Khabele D (2012) Thailandepsins are new small molecule class I HDAC inhibitors with potent cytotoxic activity in ovarian cancer cells. *Journal of Ovarian Research* 5:12.
- 28. Wang C, Flemming CJ, and **Cheng Y-Q** (2012) Discovery and activity profiling of thailandepsins A through F, potent histone deacetylae inhibitors, from *Burkholderia thailandensis* E264. *MedChemComm* 3:976-981 (**Natural Products themed issue**).
- 29. Zhuo Y, Liu L, Wang Q, Liu X, Ren B, Liu M, Ni P, **Cheng Y-Q** and Zhang L (2012) Revised genome sequence of *Burkholderia thailandensis* MSMB43 with improved annotation. *Journal of Bacteriology* 194:4749-4750.
- 30. Liu X, Wang C and **Cheng Y-Q** (2012) FK228 from *Burkholderia thailandensis* MSMB43. *Acta Crystallographica* E68:o2757-2758.
- 31. Liu X, Wang C and **Cheng Y-Q** (2012) Cyclo-(-l-prolyl-l-valinyl-) from *Burkholderia thailandensis* MSMB43. *Acta Crystallographica* E68:o3182-3183.
- 32. Liu X, Biswas S, Berg MG, Antapli CM, Xie F, Wang Q, Tang M-C, Tang G-L, Zhang L, Dreyfuss G and Cheng Y-Q (2013) Genomics-guided discovery of thailanstatins A, B, and C as premRNA splicing inhibitors and antiproliferative agents from *Burkholderia thailandensis* MSMB43. *Journal of Natural Products* 76:685-693. (Arthur E. Schwarting Award for the *Journal of Natural Products* Best Paper of the Year)

- 33. Jain A, Liu X, Wordinger RJ, Yorio T, **Cheng Y-Q** and Clark AF (2013) Effects of thailanstatins in glucocorticoid response in trabecular meshwork and steroid-induced glaucoma. *Investigative Ophthalmology & Visual Science* 54:3137-3142.
- 34. Liu X, Biswas S, Tang G-L and **Cheng Y-Q** (2013) Isolation and characterization of spliceostatin B, a new analogue of FR901464, from *Pseudomonas* sp. No. 2663. *Journal of Antibiotics* 66:555-558.
- 35. Bian J, Liu X, **Cheng Y-Q** and Li C (2013) Inactivation of cyclic-di-GMP binding protein TDE0214 affects the motility, biofilm formation and virulence of *Treponema denticola*. *Journal of Bacteriology* 195:3897-3905.
- Alexopoulos J, Ahsan B, Homchaudhui L, Husain N, Cheng Y-Q and Ortega J (2013) Structural determinants stabilizing the axial channel of ClpP for substrate translocation. *Molecular Microbiology* 90:167-180.
- 37. Sowole M, Alexopoulos J, **Cheng Y-Q**, Ortega J and Konermann L (2013) Activation of ClpP protease by ADEP antibiotics: insights from hydrogen exchange mass spectrometry. *Journal of Molecular Biology* 425:4508-19.
- 38. Li J, Wang C, Zhang Z-M, **Cheng Y-Q** and Zhou J (2014) The structural basis of an NADP⁺-independent dithiol oxidase in FK228 biosynthesis. *Scientific Reports* 4:4145.
- 39. Weinlander E, Somnay Y, Harrison AD, Wang C, **Cheng Y-Q**, Jaskula-Sztul R, Yu X-M and Chen H (2014) The novel histone deacetylase inhibitor thailandepsin A inhibits anaplastic thyroid cancer growth. *Journal of Surgical Research* 190:191-197.
- 40. Potharla VY, Wang C and **Cheng Y-Q** (2014) Identification and characterization of the spiruchostatin biosynthetic gene cluster enables yield improvement by overexpressing a transcriptional activator. *Journal of Industrial Microbiology & Biotechnology* 41:1457-1465.
- 41. Shah GR, Wesener SR and **Cheng Y-Q** (2015) Engineered production of tryprostatins in *E. coli* through reconstitution of a partial *ftm* biosynthetic gene cluster from *Aspergillus* sp. *Jacobs Journal of Biotechnology and Bioengineering* 2:009.
- 42. Cheng Z, Ding L, Zhang Y, Chen G, Chen C, **Cheng Y-Q** and Jiang H (2015) Determination of thailandepsin B in rat plasma with a LC-MS/MS method. *Bioanalysis* 7:39-52.
- 43. Hui J-Y, Wang W, **Cheng Y-Q** and Zhang X-H (2015) Production of thailandepsin A from *Burkholderia thailandensis* E264/pBMTL3-tdpR fermentation. *Journal of Chemical Engineering of Chinese Universities*. 29:593-599.
- 44. Xiao K, Li Y-P, Wang C, Ahmad S, Vu M, Kuma K, **Cheng Y-Q** and Lam KS (2015) Disulfide cross-linked micelles of novel HDAC inhibitor thailandepsin A for the treatment of breast cancer. *Biomaterials* 67:183-193.
- 45. MiBiG Consortium (a total of 154 authors) (2015) The Minimum Information about a Biosynthetic Gene cluster (MiBiG) specification. *Nature Chemical Biology* 11:625-631.
- 46. Robers MB, Dart ML, Zimprich CA, Woodroofe CC, Kirkland TA, Machleidt T, Kupcho KR, Levin S, Hartnett JR, Zimmerman K, Niles AL, Ohana RF, Daniels DL, Slater M, Cong M, **Cheng, Y-Q** and Wood KV (2015) Target engagement and drug residence time can be observed in living cells with BRET. *Nature Communications* 6:10091.
- 47. Jaskula-Sztul R, Xu W, Chen G, Harrison A, Dammalapati A, Nair R, **Cheng Y-Q**, Gong S and Chen H (2016) Thailandepsin A-loaded and octreotide-functionalized unimolecular micelles for targeted neuroendocrine cancer therapy. *Biomaterials* 91:1-10.
- 48. Chen G, Jaskula-Sztul R, Harrison A, Dammalapati A, Xu W, **Cheng Y-Q**, Chen H and Gong S (2016) KE108-conjugated unimolecular micelles loaded with a novel HDAC inhibitor thailandepsin-A for targeted neuroendocrine cancer therapy. *Biomaterials* 97:22-33.
- 49. Liu X, Zhu H, Biswas S and **Cheng Y-Q** (2016) Improved production of cytotoxic thailanstatins A and D through metabolic engineering of *Burkholderia thailandensis* MSMB43 and pilot scale fermentation. *Synthetic & Systems Biotechnology* 1:34-38.
- 50. Bermudez JY, Webber HC, Patel GC, Liu X, **Cheng Y-Q**, Clark AF and Mao W (2016) HDAC inhibitor-mediated epigenetic regulation of glaucoma-associated TGFβ2 in the trabecular meshwork. *Investigative Ophthalmology & Visual Science* 57:3698-3707.

Manuscripts under review

1. Wang B, Lo U-G, Wu K, Kapar P, Liu X, Huang J, Zhou J, Chen W, Hernandez E, Santoyo J, Ma S-H, Pong R-C, He D, **Cheng Y-Q**, Hsieh J-T. Developing new targeting strategy for androgen receptor variants in castration resistant prostate cancer. Submitted to *International Journal of Cancer*.

Review Articles

- Du L, Cheng Y-Q, Ingenhorst G, Tang G-L, Huang Y and Shen B (2003) Hybrid peptide-polyketide natural products: biosynthesis and prospects towards engineering novel molecules. In Genetic Engineering, Principle and methods, Setlow, J.K. ed., vol. 25, pp.227-267. Kluwer Academic.
- 2. **Cheng Y-Q**, Coughlin JM, Lim S-K, and Shen B (2009) Type I polyketide synthases that require discrete acyltransferases. *Methods in Enzymology* 459:165-186.
- 3. Liu X and **Cheng Y-Q** (2014) Genome-guided discovery of diverse natural products from *Burkholderia* sp. *Journal of Industrial Microbiology & Biotechnology* 41:275-284.

Book Chapters

- Walton JD, Ahn J-H, Pitkin JW, Cheng Y-Q, Nikolskaya AN, Ransom R and Wagener S (1998) Enzymology, molecular genetics, and regulation of biosynthesis of the host-selective toxin HC-toxin. In *Molecular Genetics of Host-specific Toxins in Plant Disease*, Kohmoto, K. and Yoder, O.C. ed., pp.25-34. Kluwer Academic.
- Walton JD, Scott-Craig J, Cheng Y-Q, Tonukari NJ and Pedley K (2000) Fungal virulence factors: some things are and some things aren't. In *Biology of Plant-Microbe Interactions*, vol. 2. deWit, P.J.G.M., Bisseling, T. and Stiekema, W.J. ed., Intl. Soc. Mol. Plant-Microbe Interact., St. Paul, MN, pp.175-179.
- 3. Shen B, Chen M, **Cheng Y-Q**, Du L, Edwards DJ, George NP, Huang Y, Oh T, Sanchez C, Tang G-L, Wendt-Pienkowski E and Yi F (2005) Prerequisites for Combinatorial Biosynthesis: Evolution of Hybrid NRPS-PKS Gene Clusters. In *Biocombinatorial Approaches for Drug Finding, The Ernst Schering Research Foundation Workshop 51*, Springer-Verlag, Berlin, 2005, pp107-126.
- 4. Shen B, **Cheng Y-Q**, Christenson SD, Jiang H, Ju J, Kwon H-J, Lim S-K, Liu W, Nonaka K, Seo J-W, Smith WC, Standage S, Tang G-L, Van Lanen S and Zhang J (2007) Polyketide biosynthesis beyond the type I, II, and III polyketide synthase paradigms: a progress report. In *ACS symposium series 955, Polyketides: Biosynthesis, Biological Activities, and Genetic Engineering.* Rimando, A.M.; Baerson, S.R. eds., ACS, pp154-166.

Patents and Patent Applications:

- 1. Shen B, **Cheng Y-Q**, Tang G-L, Nakagawa S and Mizoguchi H. Leinamycin biosynthesis gene cluster and its components and their uses. *WO 02/077179* (2002); *PCT/US02/08937* (2002).
- 2. Shen B, **Cheng Y-Q** and Tang G-L. Discrete acyltransferases associated with type I polyketide synthases and methods of use. *US* 7,153,667 *B2* (2006); *US* 7,452,693 *B2* (2008).
- 3. **Cheng Y-Q**. Sequences for FK228 biosynthesis and methods of synthesizing FK228 and FK228 analogs. *US* 8,148,102 B2 (2012).
- 4. Cheng Y-Q. and Wang C. Histone deacetylase inhibitors and uses thereof. US Patent Application No. 20110060021.
- 5. Zhang X, **Cheng** Y-Q and Zhong M (2014) Method for producing thailandepsin A by continuous adsorption coupling fermentation. *Chinese Patent* CN102321713 A.
- Cheng Y-Q, Yang S and Wang P. A method for chemical preparation of thailandepsin B, a
 potent histone deacetylase inhibitor. PCT/CN2014/072925 Patent Application filed on March 5,
 2014.

- 7. **Cheng Y-Q** and Yang S. Histone deacetylase inhibitors and methods of synthesis and use thereof. *PCT/CN2015/083753 Patent Application* filed on July 10, 2015.
- 8. Cheng Y-Q, Hossein MM, Steeber S, Ulicki J, Frick K, Clark S and Krzecki G. Novel HDAC inhibitors and methods of treatment using the same. *PCT/US2015/058167 Patent Application* filed on October 29, 2015.

VIII. Other Scholarly Activities

Conference Presentations (posters or oral; listed only since 2003):

- 1. **Cheng, Y.-Q.**, G.-L. Tang, and B. Shen. Leinamycin biosynthesis by a hybrid nonribosomal peptide synthetase and polyketide synthase system with unusual structure and mechanism. *The 6th International Marine Biotechnology Conference / The 5th Asia–Pacific Marine Biology Conference*. Chiba, Japan. Sept. 21–26, 2003.
- Cheng, Y.-Q. Mechanism of homologous DNA recombination in Streptomyces and applications in engineered biosynthesis. The 2004 Great Lakes Biomedical Conference: "From Vision to Reality". Medical College of Wisconsin, Milwaukee, Wisconsin. June 5, 2004.
- Cheng, Y.-Q. Toward derivatizing a potent anti-SARS agent valinomycin by metabolic engineering. Annual Meeting of the NIH/NIAID Great Lakes Regional Research Center of Excellence (GLRCE) for Biodefense and Emerging Infectious Diseases Research. Illinois Beach Resorts & Conference Center, Zion, Illinois. Dec. 3–4, 2004.
- 4. Barman, M., Bricceno, K. and **Cheng, Y-Q**. Exploration of microbial resource in Lake Michigan sediment for bioactive natural products. *The 56th Annual Meeting of the Society for Industrial Microbiology*. Chicago, Illinois. August 21–25, 2005.
- 5. Barman, M. and **Cheng, Y-Q**. Microbial biodiversity in Lake Michigan sediment and a search for bioactive natural products. *The 106th General Meeting of the American Society of Microbiology*. Orlando, Florida. May 21–25, 2006.
- 6. **Cheng, Y.-Q.**, M. Yang and A.M. Matter. Depsipeptide biosynthesis and towards engineered biosynthesis of natural product analogs. *The 57th Annual Meeting of the Society for Industrial Microbiology*. Baltimore, Maryland. July 30–August 3, 2006.
- Cheng, Y.-Q., M. Yang and A.M. Matter. Cloning and characterization of the depsipeptide FK228 biosynthetic gene cluster for engineered biosynthesis of novel anticancer agents. The 4th Cancer Drug Research And Development Conference. Philadelphia, PA. Feb 7–8, 2007.
- 8. **Cheng, Y.-Q.**, M. Yang and A.M. Matter. Depsipeptide FK228 biosynthesis and engineer for novel anticancer agents. *Discovery on Target 2007–Inaugural Meeting on HAD Inhibitorsi*. Boston, MA. Oct 16–17, 2007.
- 9. **Cheng, Y.-Q.** Discovery and evaluation of candidate anticancer compounds. *First-Look-Forum, Wisconsin Entrepreneurs' Conference*, Organized by Wisconsin Technology Council. Milwaukee, WI. June 9–10, 2008.
- 10. **Cheng, Y.-Q.** Biosynthesis of FK228 and related spiruchostatins and thailandepsins. 7th US-Japan Seminar on the Biosynthesis of Natural Products: Enzymology, Structural Biology and Drug Discovery. University of California–San Diego, CA. June 22–27, 2008.
- 11. **Cheng Y.-Q.** Biosynthesis of FK228 and related spiruchostatins and thailandepsins. *Infection and Cancer: Biology, Therapeutics, and Prevention*. American Association for Cancer research and Hong Kong Cancer Institute. Hong Kong, China. Dec 5–7, 2008.
- 12. **Cheng, Y.-Q.**, C. Wang, S. Wesener and V. Potharla. Epigenetic intervention of cancer: FK228 biosynthesis and beyond. *The 15th International Symposium on the Biology of Actinomycetes (ISBA'15)*. Shanghai, China. Aug 20–25, 2009.
- 13. **Cheng, Y.-Q.** New drug candidates for cancer therapy. *First-Look-Forum,* Organized by UW–Milwaukee Research Foundation. Milwaukee, WI. Oct 20, 2009.
- 14. **Cheng, Y.-Q.**, V. Potharla, S. Wesener and C. Wang. Platform for Discovery and Engineered Biosynthesis of New Histone Deacetylase Inhibitors as Anticancer Agents. AACR Special Conference on Cancer Epigenetics. San Juan, Puerto Rico. Jan 20–23, 2010.

- 15. **Cheng, Y.-Q.** Platform for Discovery and Combinatorial Biosynthesis of Histone Deacetylase Inhibitors as Anticancer Agents. Annual Meeting of the Society for Industrial Microbiology. San Francisco, CA. Aug 1–5, 2010.
- Cheng, Y.-Q. Platform for Discovery and Combinatorial Biosynthesis of Histone Deacetylase Inhibitors as Anticancer Agents. BIT's 8th Annual Congress of International Drug Discovery Sciences and Technology. Beijing, China. Oct 23-26, 2010.
- 17. Wang, C., L. Henkes, L.B. Doughty, M. He, D. Wang, F.-J. Meyer-Almes, D.J. Newman, and Y.-Q. Cheng. Thailandepsins: Novel Bacterial Natural Products with Potent Histone Deacetylase Inhibition Activities and Promising Anticancer Activities. *Discovery on Target 2010–4th Annual Meeting on HDAC Inhibitors*. Boston, MA. Nov 2–3, 2010.
- 18. Wang, C., L. Henkes, L.B. Doughty, M. He, D. Wang, F.-J. Meyer-Almes, and **Y.-Q. Cheng**. Thailandepsins: Novel Bacterial Natural Products with Potent Histone Deacetylase Inhibition Activities and Promising Anticancer Activities. *American Association for Cancer Research 102nd Annual Meeting*. Orlando, FL. April 2–6, 2011.
- 19. Wang, C., L. Henkes, L.B. Doughty, M. He, D. Wang, F.-J. Meyer-Almes, and Y.-Q. Cheng. Thailandepsins: Novel Bacterial Natural Products with Potent Histone Deacetylase Inhibition Activities and Promising Anticancer Activities. BIT's 4th Annual World Cancer Congress (WCC-2011). Dalian, China. May 22-25, 2011.
- 20. Wang, C., L.M. Henkes, L.B. Doughty, M. He, D. Wang, F.-J. Meyer-Almes, D.J. Newman and Y.-Q. Cheng*. Thailandepsins: Novel bacterial natural products with potent histone deacetylase inhibition activities and promising anticancer activities [abstract]. In: *Proceedings of the 102nd Annual Meeting of the American Association for Cancer Research*; 2011 Apr 2-6; Orlando, FL. Philadelphia (PA): AACR; *Cancer Research* 2011;71(8 Suppl):Abstract nr 5418. doi:10.1158/1538-7445.AM2011-5418.
- 21. Wang, C., L. Henkes, L.B. Doughty, M. He, D. Wang, F.-J. Meyer-Almes, and **Y.-Q. Cheng**. Thailandepsins: Novel Bacterial Natural Products with Potent Histone Deacetylase Inhibition Activities and Promising Anticancer Activities. *Annual Meeting of the Society for Industrial Microbiology and Biotechnology*. New Orleans, LA. July 24–28, 2011.
- 22. Wesener, S.R., G. Shah and <u>Y.-Q. Cheng.</u> Toward Engineering Novel Tumor-Targeting Bio-Agents. 2011 Era of Hope Conference, organized by DoD Breast Cancer Research Program (BCRP). Orlando, FL. August 2–5, 2011.
- Cheng, Y.-Q. Platform for Discovery and Combinatorial Biosynthesis of Histone Deacetylase Inhibitors as Anticancer Agents. ACS 2012 Spring National Meeting. San Diego, CA. March 26-30, 2012.
- 24. <u>Shah, G.R., S.R. Wesener</u> and **Y.-Q. Cheng.** Toward Engineering Novel Tumor-Targeting Bio-Agents. *American Association for Cancer Research 103rd Annual Meeting*. Chicago, IL. March 31-April 6, 2012.
- Shah, G.R., S. Wesener and Y.-Q. Cheng*. Toward engineering of novel anticancer bio-agents [abstract]. In: Proceedings of the 103rd Annual Meeting of the American Association for Cancer Research;
 2012 Mar 31-Apr 4; Chicago, IL. Philadelphia (PA): AACR; Cancer Research 2012;72(8 Suppl):Abstract nr 4646. doi:1538-7445.AM2012-4646.
- Cheng, Y.-Q. Burkholderia Emerging as the Next Treasure Island of Natural Products. Annual Meeting of the Society for Industrial Microbiology and Biotechnology. Washington D.C., August 12-16, 2012.
- 27. Liu, X., S. Biswas, M.G. Berg, C.M. Antapli, F. Xie, Q. Wang, M.-C. Tang, G.-L. Tang, L. Zhang, G. Dreyfuss, and <u>Y.-Q. Cheng</u>. Thailanstatins: New Pre-mRNA Splicing Inhibitors and Potent Antiproliferative Agents Discovered from *Burkholderia thailandensis* MSMB43. *American Association for Cancer Research 104th Annual Meeting*. Washington D.C., April 6-10, 2013.
- Jaskula-Sztul, R., A. Dammalapati, C. Korlesky, S. Gong, Y.-Q. Cheng and H. Chen. Thailandepsin A, a New HDAC Inhibitor, Reduces Cell Proliferation and Activates the Notch Pathway in Pancreatic Carcinoid Cells. *American Association for Cancer Research 104th* Annual Meeting. Washington D.C., April 6-10, 2013.

- 29. <u>Antapli, C.M.</u>, X. Liu and **Y.-Q. Cheng**. Fermentation Optimizations for the Efficient Production of Thailanstatin A by *Burkholderia thailandensis* MSMB43. The 27th National Conference on Undergraduate Research (NCUR), La Crosse, WI. April 11-13, 2013.
- 30. Liu, X.,S. Biswas, M. Berg, C.M. Antapli F. Xie, Q. Wang, M.-C. Tang, G.-L. Tang, L. Zhang, G. Dreyfuss and <u>Y-Q. Cheng</u>. Thailanstatins: New Pre-mRNA Splicing Inhibitors and Potent Antiproliferative Agents Discovered from *Burkholderia thailandensis* MSMB43. *The 18th Annual Meeting of the RNA Society*. Davis, Switzerland. June11-15, 2013.
- 31. <u>Liu, X.</u>, C. Wang, S. Biswas, C.M. Antapli and **Y-Q. Cheng**. Genomics-Guided Discovery of Potent Natural Products from *Burkholderia thailandensis* Species that Target Eukaryotic Cellular Processes. *Annual Meeting of the Society for Industrial Microbiology and Biotechnology.* San Diego, CA. August 11-15, 2013.
- 32. <u>Dammalapati, A.</u>, A. Harrison, M. Roy, C. Korlesky, R. Nair, C. Wang, **Y-Q. Cheng**, R. Jaskula Sztul, H. Chen. Thailandepsin A, a Novel HDAC Inhibitor, Decreases Tumor Cell Survival and Activates the Notch Pathway in Carcinoid Cancer. *9th Annual Academic Surgical Congress*. San Diego, CA. February 4-6, 2014.
- R. Jaskula-Sztul, W. Xu, A. Dammalapati, G. Chen, O. Sadak, A. Harrison, Q. Zheng, R. Nair, C. Korlesky, C. Wang, Y-Q. Cheng, S. Gong, H. Chen. Targeted Delivery of Thailandepsin A Using Unimolecular Micelles to Improve Antitumor Effect in Carcinoids. 9th Annual Academic Surgical Congress. San Diego, CA. February 4-6, 2014.
- 34. <u>Bermudez JY</u>, Webber H, **Cheng Y-Q**, Clark AF and Mao W. Epigenetic Regulation of Glaucoma-Associated Growth Factors in the Trabecular Meshwork. *University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD)*. Fort Worth, TX. March 21, 2014.
- 35. <u>Liu X</u>, Wang C, Biswas S, Antapli CM, Zhu H, Thapa S, **Cheng Y-Q**. Genomics-guided discovery of potent anticancer natural products from exotic bacterial species. *2014 University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD)*. Fort Worth, TX. March 21, 2014.
- 36. Liu X, Wang C, Biswas S, Antapli CM, Zhu H, Thapa S, <u>Cheng Y-Q.</u> Genomics-guided discovery of potent anticancer natural products from exotic bacterial species. *2014 Annual Meeting of the American Society of Pharmacognosy*. Oxford, MS. August 2-7, 2014.
- 37. S. Gong, R. Jaskula-Sztul, W. Xu, G. Chen, A. Dammalapati, O. Sadak, A. Harrison, Q. Zheng, R. Nair, C. Korlesky, Y-Q. Cheng, H. Chen. Multifunctional Unimolecular Micelles for Targeted Neuroendocrine Cancer Therapy. 36th Annual International IEEE Engineering in Medicine and Biology Conference. Chicago, IL. August 26-30, 2014.
- 38. Zhu H, Liu X, Patel R and **Cheng Y-Q**. Improvement of Thailanstatins Production through Metabolic Engineering. *ACS 2014 SWRM*, Fort Worth, November 19-22, 2014.
- 39. <u>Liu X</u> and **Cheng Y-Q**. Discovery of Antiproliferative Quinolone Compounds from *Burkholderia thailandensis* MSMB43 through Genome Mining. *ACS 2014 SWRM*, Fort Worth, November 19-22, 2014.
- 40. Zhu H, Liu X, Patel R and **Cheng Y-Q**. Improvement of Thailanstatins Production through Metabolic Engineering. *University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD*). Fort Worth, TX. April 17, 2015.
- 41. Cheng Y-Q. Potent Anticancer Natural Products Available for Collaborative Research. University of North Texas Health Science Center Institute of Cancer Research "2015 Symposium on Current Trends in Cancer Research for Improving Diagnosis & Treatment". Fort Worth, TX. December 11, 2015.
- 42. <u>Liu X</u> and **Cheng Y-Q**. Isolation and Characterization of a Group of TS-FK228 Analogues. Gordon Research Conference on Marine Natural Products. Ventura, CA. March 3-11, 2016.
- 43. <u>Bermudez JY</u>, Webber H, Liu X, **Cheng Y-Q**, Clark AF and Mao W. Epigenetic Regulation of TGFβ2 in the Pathogenesis of Glaucoma. *University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD*). Fort Worth, TX. April 15, 2016.

- 44. <u>Liu X</u> and **Cheng Y-Q**. Isolation and Characterization of a Group of TS-FK228 Analogues. *University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD)*. Fort Worth, TX. April 15, 2016.
- 45. <u>Patel R</u>, Mancilla V, Liu X and **Cheng Y-Q**. Natural Product Drug Discovery Through Crowd-Sourcing and Crowd-Funding. *University of North Texas Health Science Center Research Appreciation Day (UNTHSC RAD)*. Fort Worth, TX. April 15, 2016.

Invited Seminars

- 2002. Department of Biological Sciences, University of Wisconsin-Milwaukee, WI, USA
- 2003. Department of Chemistry and Biochemistry, Miami University, Oxford, OH, USA
- 2003. Department of Biological Sciences Colloquium, UW-Milwaukee, WI, USA
- 2004. The Great Lakes WATER Institute, UW-Milwaukee, WI, USA
- 2004. The Society of Chinese American Professors and Scientists (SoCAPS), the Greater Milwaukee Chapter. Milwaukee, WI, USA
- 2004. The Center for Functional and Environmental Genomics, UW–Milwaukee, WI, USA.
- 2006. Milwaukee Microbiology Society, Milwaukee, WI, USA
- 2006. Department of Biological Sciences Colloquium, UW-Milwaukee, WI, USA
- 2007. College of Pharmacy, Nankai University, Tianjin, China
- 2007. School of Pharmaceutical Science and Technology, Tianjin University, Tianjin, China
- 2007. College of Life Sciences and Technology, Beijing University of Chemical Technology, Beijing, China
- 2008. Department of Biological Sciences Colloquium, UW-Milwaukee, WI, USA
- 2008. Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, China
- 2008. College of Biomedical Engineering and Instrument Science, Zhejiang University, China
- 2008. Shanghai Institute of Organic Chemistry, the Chinese Academy of Sciences, Shanghai, China
- 2009. Wuhan University School of Pharmaceutical Sciences. Wuhan, China
- 2009. The South China Sea Institute of Oceanography, Chinese Academy of Sciences. Guangzhou, China
- 2009. Department of Biological Sciences Colloquium, UW-Milwaukee, WI, USA
- 2010. Institute of Microbiology, the Chinese Academy of Sciences, Beijing, China
- 2011. Milwaukee Microbiology Society, Milwaukee, WI, USA
- 2012. UW-Milwaukee Bioengineering Program, Milwaukee, WI, USA
- 2012. Milwaukee School of Engineering, Milwaukee, WI, USA
- 2012. Wuhan University School of Pharmaceutical Sciences. Wuhan, China
- 2012. University of Arizona School of Pharmacy, Tucson, AZ, USA
- 2012. University of California-Davis Medical Center, Sacramento, CA, USA
- 2012. Texas Tech University Health Science Center School of Pharmacy, Amarillo, TX, USA
- 2012. University of North Texas System College of Pharmacy, Ft. Worth, TX, USA
- 2012. University of Oklahoma Stephenson Cancer Center, Oklahoma City, OK, USA
- 2013. Wuhan University School of Pharmaceutical Sciences. Wuhan, China
- 2013. Texas Christian University, Dept of Chemistry, Fort Worth, TX, USA
- 2013. Southern Methodist University, Dept of Biology, Dallas, TX, USA
- 2014. University of Texas Southwestern Medical Center, Dept of Urology, Dallas, TX, USA
- 2014. UNTHSC Institute for Cancer Research, Fort Worth, TX, USA
- 2014. University of Texas-Arlington, Dept of Chemistry, Arlington, TX, USA
- 2016. Concordia University-Wisconsin, College of Pharmacy, Mequon, WI, USA

Students advised

At UW-Milwaukee (August 2003–May 2013):

Natalia Stein Spring 2004, undergraduate student, UW–Milwaukee Paula Unold Summer 2004, undergraduate student, UW–Milwaukee

Katherine Bricceno Summer 2004, summer 2005, undergraduate student, U. of Minnesota

Yelena Sigel Fall 2004, undergraduate student, UW–Milwaukee

Min Yang December 2004–August 2006, Postdoctoral Research Associate

Melissa Barman 2004–2006, MS graduate student, UW–Milwaukee Andrea Matter 2004–2007, MS graduate student, UW–Milwaukee

Jamie Held Spring and summer 2005, undergraduate student, UW–Milwaukee

Vishwa Potharla 2006–2011, PhD graduate student, UW–Milwaukee

Phoebe Devitt Spring 2007–summer 2008, undergraduate student, UW–Milwaukee

Richard Li Spring and Fall 2007, undergraduate student, UW–Milwaukee Josh Rehberger Spring and Fall 2007, undergraduate student, UW–Milwaukee

Shane Wesener 2007–2013, PhD graduate student, UW–Milwaukee

Jingkui Tian August 2007–June 2008, Visiting Scholar, Zhejiang University, China

Hailong Zhang July 2008–January 2009, Postdoctoral Research Associate

Cheng Wang July 2008–2013, Postdoctoral Research Associate

Yulian Zhan July 2009–December 2009, Postdoctoral Research Associate
Mychal Seger Spring 2010–Spring 2011, undergraduate student, UW–Milwaukee

Xiangyang Liu August 2010–present, Postdoctoral Research Associate
Gopit Shah August 2010–July 2012, Postdoctoral Research Associate
Rachel Lieberman Fall 2010–Spring 2011, undergraduate student, UW–Milwaukee

Xiangyang Liu August 2010–2013, Postdoctoral Research Associate Sreya Biswas 2011–2013, PhD-track graduate student, UW–Milwaukee

Nancy Gao Fall 2011, high school student, Nicolet High School, Whitefish Bay, WI

Blake Neuburg Fall 2011, undergraduate student, UW-Milwaukee

Christopher Antapli Spring 2012 – Spring 2013, undergraduate student, UW-Milwaukee

At UNTHSC (since June 2013):

Xiangyang Liu July 2013–May 2016, Postdoctoral Research Associate
Hui Zhu August 2013–December 2015, Visiting Graduate Student
Santosh Thapa December 2013–February 2014, Rotation Graduate Student

Dan Chu
Rinkal Patel
Viviana Mancilla
Grant Currens

November 2014 – April 2015, Research Assistant
August 2014–October 2016, Research Assistant
January–March 2016, Rotation Graduate Student
October 2016–present, Graduate Research Assistant

IX. References

Curriculum vitae

Patrick G. Clay, PharmD, FCCP, CCTI

Professor, Pharmacotherapy

University of North Texas System College of Pharmacy

3500 Camp Bowie Boulevard, RES 411-F, Fort Worth, Texas 76107

Email: Patrick.Clay@unthsc.edu; O: (817) 735-2798; M: (816) 536-0974; URL: http://www.hsc.unt.edu/education/scp/

Twitter: @UNTPharmProf; LinkedIn: www.LinkedIn.com/in/untpharmprof

Education and Post-Graduate Pharmacy Training

1988 – 1993	Bachelor of Science in Pharmacy, University of Louisiana at Monroe College of Pharmacy
1994 – 1996	Doctor of Pharmacy, University of Oklahoma Health Sciences Center College of Pharmacy (OUHSC-COP)
1996 – 1997	Specialty Residency, Phamacokinetics/Infectious Diseases, University of Oklahoma Health Sciences Center
	Colleges of Pharmacy and Medicine (OUHSC-COP/M)
1997 - 1999	Fellowship, Infectious Diseases Pharmacotherapy, OUHSC-COP/M
2000 - 2002	Business Information Technology (non-degree seeking), UMKC School of Information Technology

Licensure

1994 - 1999	Louisiana (#15612) and Oklahoma (#11650)
2000 - 2013	Louisiana (#15612) and Missouri (#2001005462)
2013 – ONG	Louisiana (#15612) and Texas (#52676)

Certifications / Awards

2006	Certified Clinical Trial Administrator, Society of Research Administrators
2007 - 2014	Certification for Clinical Trial Investigators, Association of Clinical Research Professionals (CCTI)
2007	Fellow, American College of Clinical Pharmacy (FCCP)
2014 – ONG	Certified Principal Investigator, Association of Clinical Research Professionals (CPI)
2014 – ONG	Certified HIV Provider, American Academy of HIV Medicine (AAHIVP)
2015	University of North Texas System College of Pharmacy Pharmacotherapy Teacher of the Year

Appointments:

<u>Academic</u>	
1996 – 1999	Instructor, Division of Pharmacy Practice, University of Oklahoma College of Pharmacy
1999 - 2005	Assistant Professor, Division of Pharmacy Practice, University of Missouri-Kansas City
2005 - 2012	Adjunct Associate Professor of Pharmacy Practice, Department of Pharmacy Practice, School of Pharmacy, University
	of Missouri – Kansas City (UMKC)
2005 - 2012	Associate Professor of Medicine, College of Osteopathic Medicine, Kansas City University of Medicine and Biosciences
	(KCUMB)
2009 - 2012	Adjunct Associate Professor, St. Louis College of Pharmacy, St. Louis, MO
2011 - 2012	Adjunct Associate Professor, Creighton University College of Pharmacy, Omaha, NE
2012 - ONG	Professor, Pharmacotherapy, University of North Texas System College of Pharmacy, Fort Worth, TX
2014 – ONG	Adjunct Associate Professor, Texas Christian University Harris College of Nursing, Fort Worth, TX

Administrative

2005 - 2012	Dimentan Climical Descenda	Vancos City University	v of Medicine and Biosciences
2003 – 2012	Director, Chinical Research	, Kansas City Universit	y of Medicine and Diosciences

Clinical	
1999 - 2005	Member, HIV Primary Care Team, Kansas City Free Health Clinic, Kansas City, Missouri
1999 - 2003	Member, Program Team, Kansas City Free Health Clinic, Kansas City, Missouri
1999 - 2000	Kansas City AIDS Research Consortium Protocol Review Committee, Kansas City, Missouri
2000 - 2001	Member, Kansas City Metropolitan Service Area Institutional Review Board Consortium, Kansas City, Missouri
2002 - 2007	Midwest AIDS Education and Training Consortium; Pharmacists' Training Program Advisor, Kansas City, Missouri
2007 - 2008	Member, Clinical Research Advisory Board, Kansas City Area Life Sciences Initiative, Kansas City, Missouri
2010 - ONG	Science Officer, American Pharmacists Association, Washington, DC
2014 – ONG	Site Principal Investigator, AIDS Arms dba PrismHealth (formerly Trinity Health and Wellness), Dallas, TX

Research activities

Ongoing Research (all)

1. PS315-15 Clay (PI) 2013 – 2017

CDC/National Minority AIDS Council

Determining and describing optimal features (in a model) of collaborative relationships between community pharmacies and HIV primary care providers in a patient centered care model to obtain maximal impact on individual and community health outcomes

2. Merck & Co., Inc, MK-1459-018: A Phase 3 Multicenter, Double-Blind, Randomized, Active Comparator-Controlled Clinical Trial to Evaluate the Safety and Efficacy of Doravirine (MK-1439) 100 mg Once Daily Versus Darunavir 800 mg Once Daily plus Ritonavir 100 mg Once Daily, Each in Combination With TRUVADATM or EPZICOM®/KIVEXA®, in Treatment-Naïve HIV-1 Infected Subjects (PhRMA sponsored contracted clinical trial, site Principal Investigator)

Completed Research

Original research (externally funded; internal / unfunded listed only in original research publications)

1. Glaxo-SmithKline Clay (PI) 2003 – 2005

A phase 1, randomized, 2-week, cross-over pharmacokinetic comparison of fosamprenavir plus atazanavir with and without ritonavir in twenty (20) HIV-negative subjects.

2. 1TLRR033178 / 1UL1RR033179 / 1KL2RR033177 Barohn (PI) / Aaronson (PI) 2010 – 2012

NIH/NCRR

Heartland Institute for Clinical and Translational Research. These linked Clinical and Translational Science Awards (CTSA) provide infrastructure facilities and support and educational and training. Role: Co-Investigator (funded)

3. HRSA-14-061 Clay (PI) 2014 – 2015

DHHS/HRSA/HAB/Division of Community HIV/AIDS Program

Instituting an innovative, patient-centered program to improve adherence to antiretrovirals in and retention in care of chronically non-adherent male patients aged 18-24 in North Central's Texas' Tarrant County Public Health Department's Ryan White Part C funded medical service providers.

4. HRSA-14-061 Clay (PI) 2015 – 2016

DHHS/HRSA/HAB/Division of Community HIV/AIDS Program

Instituting an innovative, patient-centered program to improve adherence to antiretrovirals in and retention in care of chronically non-adherent male patients aged 18-24 and all female patients of child-bearing potential in North Central's Texas' Tarrant County Public Health Department's Ryan White Part C funded medical service providers.

Multi-center, PhRMA sponsored clinical trials (Site Principal Investigator):

- 1. Gilead Sciences, GS-99-903: A Phase 3, Randomized, Double-blind, multi-center study of the treatment of antiretroviral-naive, HIV-1-infected patients comparing tenofovir administered in combination with lamivudine and efavirenz versus stavudine, lamivudine and efavirenz.
- 2. Merck and Co., Inc., Merck Practice Cooperative study surveying patients' attitudes regarding changing their antiretroviral therapy for any reason
- 3. GlaxoSmithKline, CNA30032: a retrospective, case-control study to investigate genetic polymorphisms in HIV-infected subjects who developed hypersensitivity following treatment with abacavir
- 4. Boehringer-Ingelheim Pharmaceuticals, Inc.; 1182.51: Double blind, randomized, dose optimization pharmacokinetic trial of three doses of tipranavir boosted with low dose ritonavir (TPV/RTV) in multiple antiretroviral drug-experienced subjects
- 5. Boehringer-Ingelheim Pharmaceuticals Inc., 1182.52: Double blind, randomized, dose optimization trial of three doses of tipranavir boosted with low dose ritonavir (TPV/RTV) in multiple antiretroviral drug-experienced subjects
- 6. Agouron Pharmaceuticals Inc., AG1343-1205: Genotype assisted initial nelfinavir study (GAIN)
- 7. Bristol-Myers Squibb, AI266-406 "VEST-QD: A Phase IV, Open-label, randomized, multi-center, study switching HIV-1 infected subjects with a viral load of <50 copies/mL on a first PI-based regimen to a efavirenz substitution regimen
- 8. Boehringer-Ingelheim Pharmaceuticals Inc., 1182.12: RESIST-1: Randomized, open-label, comparative safety and efficacy study of tipranavir boosted with low-dose ritonavir (TPV/RTV) versus genotypically-defined protease inhibitor/ritonavir (PI/RTV) in multiple antiretroviral drug-experienced patients
- 9. Boehringer-Ingelheim Pharmaceuticals Inc., 1182.17: A long term, open-label, rollover trial assessing the safety and tolerability of combination TPV/RTV use in HIV-1 infected subjects.
- 10. Bristol-Myers Squibb Inc., A multicenter, randomized, double-blind, placebo-controlled, phase 3 trial to evaluate the efficacy and safety of saxagliptin (BMS-477118) as monotherapy in subjects with type 2 diabetes who have inadequate glycemic control with diet and exercise. (BMS CV181011).

- 11. Koronis Pharmaceuticals, KP-1461-102: A Double-Blind, Placebo-Controlled, Dose-Escalation Study of the Safety, Tolerability, and Pharmacokinetics of Multiple Oral Doses of KP-1461 in HIV+ Adults who have Failed Two or More Highly Active Antiretroviral Regimens (HAART).
- 12. Gilead Sciences, Expanded Access Program for Tenofovir Disoproxil Fumarate (Tenofovir DF) in the Treatment of HIV-1 Infected Patients Who Have Limited Treatment Options
- 13. Serono Labs, A pilot multi-center, open-label study to determine the efficacy and safety of serostim in HIV patients with unintentional weight loss or BCM depletion on combination antiretroviral therapy with or without protease inhibitors
- 14. Pfizer, Inc., Voriconazole expanded access program
- 15. Roche Pharmaceuticals, Inc., Enfuvirtide (Fuzeon) expanded access protocol
- 16. Boehringer-Ingelheim Pharmaceuticals, Inc., Expanded access protocol for tipranavir in patients with little or no treatment options available
- 17. Bristol-Myers Squibb Inc., Atazanavir expanded access study for HIV infected persons with few treatment options remaining
- 18. Pfizer Inc., Efficacy and safety of inhaled human insulin (exubera) compared with subcutaneous human insulin in the therapy of adult subjects with type 1 or type 2 diabetes mellitus and chronic obstructive pulmonary disease: a one-year, multicenter, randomized, outpatient, open-label, parallel-group comparative trial. (A2171030).
- 19. Novartis Pharmaceuticals, A 25-week treatment, multicenter, randomized, double-blind, placebo-controlled, adaptive, seamless, parallel-group study to assess the efficacy, safety and tolerability of two doses of indacaterol (selected from 75, 150, 300 & 600 µg o.d.) in patients with chronic obstructive pulmonary disease using blinded formoterol (12 µg b.i.d.) and open label tiotropium (18 µg o.d.) as active controls (CQAB149B2335S)
- 20. Boehringer-Ingelheim Pharmaceuticals, Inc., 1100.1489: Steady State Bioavailability of 2 different Viramune Extended Release formulations compared to steady state 400 mg of Viramune® (200 mg BID), in HIV infected subjects, an open label, non randomized, multidose and multistage parallel group study. (ERVIR)
- 21. Boehringer-Ingelheim Pharmaceuticals, Inc., 1182.98: Safety, efficacy and pharmacokinetics of tipranavir boosted with low-dose ritonavir (APTIVUS/r) 500 mg/200 mg BID IN a racially and Gender diverse HIV-positive treatment experienced population with a pilot evaluation of therapeutic drug monitoring (TDM). (SPRING)
- 22. Boehringer-Ingelheim Pharmaceuticals, Inc., 1182.116 (UTILIZE): Utilization of HIV drug resistance testing in treatment experienced patients.
- 23. Koronis Pharmaceuticals, KP-1461-201: An Open-label, Multicenter, MechanismValidation Study to Evaluate the Safety, Efficacy, and Tolerabilty of KP-1461 as Monotherapy for 124 Days in ARV-experienced, HIV-1- infected Subjects.
- 24. Boehringer-Ingelheim Pharmaceuticals, Inc., A Randomised, double blind, double dummy, parallel group, active controlled trial to evaluate the antiviral efficacy of 400 mg QD neVirapine Extended Release formulation in comparison to 200 mg BID ne VirapinE immediate release in combination with Truvada in antiretroviral therapy naive HIV-1 infected patients (VERXVE 1100.1486)
- 25. GlaxoSmithKline, A randomized, open-label, parallel-group, multicenter study to determine the efficacy and long-term safety of albiglutide compared with insulin in subjects with type 2 diabetes mellitus (GLP112754)
- 26. GlaxoSmithKline, A randomized, double-blind, placebo- and active-controlled, parallel-group, multicenter study to determine the efficacy and safety of albiglutide when used in combination with metformin compared with metformin plus sitagliptin, metformin plus glimepiride, and metformin plus placebo in subjects with type 2 diabetes mellitus (GLP112753).
- 27. GlaxoSmithKline, A randomized, double-blind, placebo- and active-controlled, parallel-group, multicenter study to determine the efficacy and safety of albiglutide administered in combination with metformin and glimepiride compared with metformin plus glimepiride and placebo and with metformin plus glimepiride and pioglitazone in subjects with type 2 diabetes mellitus (GLP112757)
- 28. GlaxoSmithKline, A randomized, double-blind, placebo-controlled, parallel-group, multicenter study to determine the efficacy and safety of albiglutide when used in combination with pioglitazone with or without metformin in subjects with type 2 diabetes mellitus (GLP112755)
- 29. Bristol-Myers Squibb Inc., A multicenter, randomized, double-blind, placebo-controlled, phase 3 trial to evaluate the efficacy and safety of saxagliptin (BMS-477118) in combination with metformin in subjects with type 2 diabetes who have inadequate glycemic control on metformin alone (BMS CV181014).
- 30. ViiV Healthcare, Inc., SGN113399: A Phase IIb study to select a once daily oral dose of GSK2248761 in HIV-1 infected antiretroviral therapy experienced adults with non-nucleoside reverse transcriptase inhibitor (NNRTI) resistance
- 31. Pfizer, Inc, A4001028: A multi-center, randomized, double-blind, placebo-controlled trial of a novel CCR5 antagonist, UK-427,857 in combination with optimized background therapy versus optimized background therapy alone for the treatment of antiretroviral-experienced HIV-1 infected subjects
- 32. NAPO Pharmaceutical, NP303-101: (ADVENT): Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Two-Stage Study to Assess the Efficacy and Safety of Crofelemer 125mg, 250 mg, and 500 mg Orally Twice Daily for the Treatment of HIV-Associated Diarrhea.
- 33. Romark Laboratories, Inc., (RM08-3001): A randomized, double-blind, placebo controlled study of nitazoxanide in adults and adolescents with acute uncomplicated influenza.
- 34. ViiV Healthcare, GSK111762: A Randomized, Double-blind Study of the Safety and Efficacy of GSK1349572 50 mg Once Daily Versus Raltegravir 400 mg Twice Daily, Both Administered With an Investigator-selected Background Regimen Over 48 Weeks in HIV-1 Infected, Integrase Inhibitor-Naïve, Antiretroviral-Experienced Adults.

- 35. ViiV Healthcare, GSK113734: A Prospective, Randomized, Multicenter, Open-Label Study to Compare the Efficacy and Safety of Simplifying From a Regimen of Atazanavir (ATV) + Ritonavir (RTV) + Tenofovir/Emtricitabine to ATV + Abacavir/Lamivudine Without RTV in Virologically Suppressed, HIV-1 Infected, HLA-B*5701 Negative Subjects.
- 36. Pfizer Inc., B1481012: A Phase 2, Double-Blind, Placebo-Controlled, Randomized Study To Assess The Efficacy, Safety And Tolerability of PF-04950615 Following Multiple Intravenous Doses In Hypercholesterolemic Subjects On Maximum Dose Of Atorvastatin Or Rosuvastatin.
- 37. Entera Health, Inc, EH6001:Randomized, double-blind, placebo-controlled, multicenter, clinical study evaluating the impact of serum-derived bovine immunoglobulin protein isolate, a medical food, on nutritional status in HIV+ subjects with HIV-associated enteropathy.

Scholarly Productivity

Original Research Publications

- 1. Narayanan S, Clay PG. Adherence, Healthcare Resource Use (Hru) And Costs: A Comparison Of Single-Tablet Regimen (Str) Versus Multi-Tablet Regimen (Mtr) Containing Fixed Dose Combination (Fdc) Regimens. Value Health 2015;18:A577. doi: 10.1016/j.jval.2015.09.1918
- 2. Clay PG*, Nag S, Graham CM, Narayanan S. Meta-Analysis of Studies Comparing Single and Multi-Tablet Fixed Dose Combination HIV Treatment Regimens. Medicine 2015;94:e1677. doi: 10.1097/MD.0000000000001677
- 3. MacArthur RD, Hawkins TN, Brown SJ, Lamarca A, Clay PG, Barrett AC, Bortey E, Paterson C, Forbes WP. Efficacy and safety of crofelemer for noninfectious diarrhea in HIV-seropositive individuals (ADVENT trial): a randomized, double-blind, placebo-controlled, two-stage study. HIV Clin Trials 2013;14:261-73. DOI: 10.1310/hct1406-261.
- 4. Hicks C, Clay PG, Redfield R, Lelezari J, Liporace R, Schneider S, Sension M, McRae MP, Laurent JP. Safety, tolerability and efficacy of KP—1461 as monotherapy for 124 days in antiretroviral experienced, HIV-1 infected subjects. AIDS Res Human Retroviruses 2013;29:250-5. DOI: 10.1089/aid.2012.0093.
- 5. Clay PG*, McRae MP, Laurent JP. Safety, tolerability and pharmacokinetics of KP-1461 in Phase 1 clinical studies: a single oral dose study in non-HIV infected adults and a 14-day dose-escalating study in highly antiretroviral-experienced HIV-infected adults. J Internatl Assoc Physicians in AIDS Care 2011. Epub. DOI: 10.1177/1545109711406442.
- 6. Clay PG*, Adiga R, Taylor TAH, Alsup R, Gerk PM, McRae MP. Post-partum pharmacokinetics of peramivir in the treatment of 2009 H1N1 influenza. Obstet Gynecol 2011;118:463-7. doi: 10.1097/AOG.0b013e31821b1b3e
- 7. McRae MP, Clay PG, Anderson PL, Glaros AG. Pharmacokinetic and safety of once daily fosamprenavir plus atazanavir without ritonavir in HIV-negative subjects. Pharmacotherapy 2009;29:937-42.
- 8. Clay PG*, Vaught ER, Glaros A, Mangum SA, Hansen D, Lindsey CC. Costs to physicians' offices of providing medications to medically indigent patients via pharmaceutical manufacturer prescription assistance programs. J Manag Care Pharm 2007;13:506-14.
- 9. Campo RE, Narayanan S, Clay PG, DeHovitz J, Johnson D, Jordan W, Squires K, Sajjan S, Markson L. Factors Influencing the Acceptance of Changes in Antiretroviral Therapy among HIV-1 Infected Patients. AIDS Patient Care and STDs 2007;21:329-38.
- 10. Ortiz BI, Shields KM, Clauson KA, Clay PG. Complementary and Alternative Medicine Use Among Hispanics in the United States. Ann Pharmacother 2007;41:994-1004. PMID: 17504837.
- 11. Clay PG*, Glaros AG, Clauson KA. Perceived Efficacy, Indications, and Information Sources for Medically Indigent Patients and Their Healthcare Providers Regarding Dietary Supplements. Ann Pharmacother 2006 Mar;40(3):427-32. DOI 10.1345/aph.1E497
- 12. Clay PG*. Program savings associated with switching testosterone formulation from intramuscular injections to topical gel in HIV infected males. Curr Med Res Opin. 2004 Apr;20(4):461-8. DOI 10.1185/030079904125003241
- 13. Clay PG*, Clauson KA, Glaros A. Complementary and alternative medicine use in a medically-indigent free health clinic. Curr Ther Res 2004 Nov-Dec;65(6):481-494. DOI 10.1016/j.curtheres. 2005.01.005
- 14. Clay PG*, Graham MR, Lindsey CC, Freeman CA, Lamp KA, Glaros A. Clinical efficacy, safety and cost savings of once-daily metronidazole plus ceftriaxone (MTZ/CTX) compared to ticarcillin/clavulanate (T/C) as empiric treatment of diabetic lower extremity infections. Am J Geriatr Pharmacother 2004 Sep; 2(3):181-9. DOI 10.1016/j.amjopharm.2004.09.006
- 15. Clay PG*. Actual medication pill burden and dosing frequency in HIV-infected patients with undetectable viral loads. J Int Assoc Physicians AIDS Care 2004 Apr-Jun:3(2);49-55. DOI 10.1177/154510970400300203
- 16. Clay PG*. Program savings associated with switching testosterone intramuscular injections to topical gel in HIV-infected males. Curr Med Res Opin 2004;20:461-8.

* denotes corresponding author status

Manuscripts for studies where I served as a site Principal Investigator

- 1. Rosenstock J, Aguilar-Salina C, Klein E, and the **CV181-011** study team. Effect of saxagliptin monotherapy in treatment-naïve patients with Type 2 diabetes. Curr Med Res Opin 2009;25:2401-11. (DOI not available. PMID: 19650754).
- Calverly PM, Rabe KF, Goehring UM, M2-124 and M2-125 study teams. Roflumilast in symptomatic chronic obstructive pulmonary disease: two randomized clinical trials. Lancet 2009;374:685-94. DOI: 10.1016/S0140-6736(09)61255-1.

- 3. DeFronzo RA, Hissa MN, Garber AJ, and the CV181-014 Study team. The efficacy and safety of saxagliptin when added to metformin therapy in patients with inadequately controlled type 2 diabetes mellitus. Diabetes Care 2009;32:1649-55. doi: 10.2337/dc08-1984.
- 4. Fatkenheuer G, Nelson M, Lazzarin A, **MOTIVATE 1 and MOTIVATE 2 Teams.** Subgroup analyses of maraviroc in previously treated R5 HIV-1 infection. N Engl J Med 2008;359:1442-5. PMID: 18832245.
- 5. Gulick RM, Lalezari J, Goodrich J, **MOTIVATE 1 and MOTIVATE 2 Teams.** Maraviroc for previously treated patients with R5 HIV-1 infection. N Engl J Med 2008;359:1429-41. PMID: 18832244.
- Margot NA, Lu B, Cheng A, Miller MD, Study 903 Team. Resistance development over 144 weeks in treatment-naive patients
 receiving tenofovir disoproxil fumarate or stavudine with lamivudine and efavirenz in Study 903. HIV Med 2006:7:442-50. PMID:
 16925730
- 7. Havlir DV, Koelsch KK, Strain MC, Margot NA, Lu B, **Study 903 Team**. Predictors of residual viremia in HIV-infected patients successfully treated with efavirenz and lamivudine plus either tenofovir or stavudine. J Infect Dis 2005;191:1164-8. PMID: 15747253
- 8. Izzedine H, Hulot JS, Vittecog D, Gallant JE, Staszewski S, **Study 903 Team**. Long-term renal safety of tenofovir disoproxil fumarate in antiretroviral-naive HIV-1-infected patients. Data from a double-blind randomized active-controlled multicentre study. Nephrol Dial Transplant 2005;20:743-6. PMID: 15741212.
- 9. Gallant JE, Staszewski S, Pozniak AL, DeJesus J, Sulieman JM, **Study 903 Team**. Efficacy and safety of tenofovir DF versus stavudine in combination therapy in antiretroviral-naive patients: a 3-year randomized trial. J Amer Med Assoc 2004;292:191-201.
- 10. Hughes AR, Mosteller M, Bansal AT, Davies K, Haneline SA, **CNA30032 Study Team**. Association of genetic variations in HLA-B region with hypersensitivity to abacavir in some, but not all, populations. Pharmacogenomics. 2004 Mar;5(2):203-11.
- 11. Dore GJ, Cooper DA, Pozniak AL, DeJesus E, Zhong L, **Study 903 Team**. Efficacy of tenofovir disoproxil fumarate in antiretroviral therapy-naive and -experienced patients coinfected with HIV-1 and hepatitis B virus. J Infect Dis. 2004 Apr 1;189(7):1185-92. Epub 2004 Mar 12.
- 12. Gathe J, Cooper DA, Farthing CA, Jayaweerra, D, Norris D, **RESIST-1 Study Team**. Efficacy of the protease inhibitors tipranavir plus ritonavir in treatment-experienced patients: 24-week analysis from the RESIST-1 trial. Clin Infect Dis 2006;43:1337-46. PMID 17051503.
- 13. McCallister S, Valdez H, Curry K, MacGregor T, Borin M, **RESIST-1 Study Team**. A 14-Day Dose-Response Study of the Efficacy, Safety, and Pharmacokinetics of the Nonpeptidic Protease Inhibitor Tipranavir in Treatment-Naive HIV-1-Infected Patients. J Acquir Immune Defic Syndr. 2004 Apr 20;35(4):376-382.

Book chapters:

- 1. **Clay PG**, McRae MP. Abacavir: Update. In: Antimicrobial Therapy and Vaccines. Yu VL, Edwards G, McKinnon PM, et al (eds). ESun Technologies, Pittsburgh, PA.
- 2. **Clay PG**, Hewitt R. Abacavir. In: Antimicrobial Therapy and Vaccines. Yu VL, Edwards G, McKinnon PM, et al (eds). ESun Technologies, Pittsburgh, PA 2004. pp 467-76.
- 3. Clay PG, Bergen R, Letorra JL. Ribavirin. In: Antimicrobial Therapy and Vaccines. Yu VL, Edwards G, McKinnon PM, et al (eds). ESun Technologies, Pittsburgh, PA 2004. pp 651-62.
- 4. Antoniou T, **Clay PG**, Tseng A. Adefovir. In: Antimicrobial Therapy and Vaccines. Yu VL, Edwards G, McKinnon PM, et al (eds). ESun Technologies, Pittsburgh, PA 2004. pp 533-46.

Therapeutic Reviews / Continuing Education:

- 1. **Clay PG,** Crutchley RD. Noninfectious diarrhea in HIV seropositive individuals: a review of the prevalence, etiology and management in the era of combination antiretroviral therapy. Infect Dis Ther 2014;3:103-22. doi: 10.1007/s40121-014-0047-5
- 2. Clay PG, Norman SB. Optimizing therapeutic options for Hispanic patients with diabetes and prediabetes: a review of the literature and clinical pearls. Amer Osteopath Assoc Health Watch 2012;7(2):4-12.
- 3. Clay PG, Taylor TA, Glaros AG, McRae M, Williams C, McCandless D, Oelklaus M. One Pill, Once Daily: what clinicians need to know about Atripla. Ther Clin Risk Manag 2008;4:291-302. PMID: 18728842.
- 4. **Clay PG,** Voss LE, Williams C, Daume EC. Valid treatment options for osteoporosis and osteopenia in HIV-infected persons. Ann Pharmacother 2008;42:670-9. PMID: 18413693.
- 5. El-Beyrouty C, Huang V, Darnold CJ, **Clay PG**. Poly-L-lactic acid for facial lipoatrophy in HIV. Ann Pharmacother 2006 Sep;40(9):1602-6. DOI 10.1345/aph.1G740
- 6. Clay PG, Dong BJ, Sorensen SJ, Tseng A, Romanelli F, Antoniou T. Advances in human immunodeficiency virus therapeutics. Ann Pharmacother 2006 Apr;40(4):704-9. DOI 10.1345/aph.1G423
- 7. Drew RD, ACCP Infectious Diseases Practice and Research Network Bibliography Group. Key references on infectious diseases pharmacotherapy. Pharmacotherapy 2004;24:1586-93. DOI 10.1592/phco.24.16.1586.50954
- 8. **Clay PG,** Mangum SA. Metabolic and morphologic disorders associated with HIV infection and its therapy. US Pharmacist October 2002, Supplement (ACPE # 430-000-02-044-H01, Lesson 2382)
- 9. Clay PG, The abacavir hypersensitivity reaction: a review. Clin Ther 2002 Oct;24(10):1502-14.

10. Clay PG, Rathbun RC. Agrobacterium radiobacter infections: case report and review of therapeutic options. J Infect Dis Pharmacother 1999;4(1);7-16. DOI 10.1300/J100v04n01 03

Case Reports/Editorials/Letters to the Editor/Drug Information Rounds

- 1. Clay PG. Pharmacists enable patients to "Age Out Loud"? J Amer Pharm Assoc 2017;57:288.DOI: 10.1016/j/japh.2017.02.011.
- 2. Clay PG. Matters of the heart recent pharmacists' contribution to knowledge. J Amer Pharm Assoc 2017;57:135-6. DOI: 10.1016/j.japh.2016.12.062
- **3.** Clay PG. Pharmacists make oncology and transplant patients 'better'? J Amer Pharm Assoc 2016;56:696. DOI: 10.1016/j.japh.2016.10.001
- 4. Clay PG. Turning criticism into construction. J Amer Pharm Assoc 2016;56:599-600. doi: 10.1016/j.japh.2016.08.001
- **5.** Clay PG. Pharmacist extenders: an emerging way to deliver care. J Amer Pharm Assoc 2016;56:479-80. doi: 10.1016/j.japh.2016.06.009
- **6.** Clay PG. "Pitching" pharmacists as improvers of transition-of-care outcomes. J Amer Pharm Assoc 2016;56:348. doi: 10.1016/j.japh.2016.04.558
- 7. Clay PG. Community pharmacists as diabetic complication preventers? J Amer Pharm Assoc 2016;56:216. doi: 10.1016/j.japh.2016.02.002
- 8. Clay PG. Pharmacists entering 'a brave new world'. J Amer Pharm Assoc 2016;56:104. doi: 10.1016/j.japh.2015.12.002
- 9. Clay PG. Trying to bring common sense to the Common Rule. J Amer Pharm Assoc 2015;55:680. doi: 10.1331/JAPhA.2015.15552
- 10. Clay PG. 'In God we trust; all others bring data'. J Amer Pharm Assoc 2015;55:568. doi: 10.1331/JAPhA.2015.15538
- 11. Clay PG. Knowing it and proving it are two different things. J Amer Pharm Assoc 2015;55:464. doi: 10.1331/JAPhA.2015.15524
- 12. Clay PG. Caring for the boomers. J Amer Pharm Assoc 2015; 55:336. doi: 10.1331/JAPhA.2015.15519
- **13.** Clay PG. Transitions of care programs with pharmacists continue to demonstrate benefit. J Amer Pharm Assoc 2015;55:224. doi: 10.1331/JAPhA.2015.15513
- 14. Clay PG. Medication therapy management: primum non nocere. J Amer Pharm Assoc 2015;55:112. doi: 10.1331/JAPhA.2015.15505
- **15. Clay PG.** Medication regimen complexity indices: a tool to focus MTM efforts? J Amer Pharm Assoc 2014;54:664. doi: 10.1331/JAPhA.2014.14542
- **16.** Clay PG. Community pharmacists as practice-based research network sites: models of success. J Amer Pharm Assoc 2014;54:568. doi: 10.1331/JAPhA.2014.14534
- 17. Clay PG. How can 'we' make healthcare better? J Amer Pharm Assoc 2014;54:456. doi: 10.1331/JAPhA.2014.14528
- **18. Clay PG.** Using pharmacists to improve outcomes: perceived versus proven results. J Amer Pharm Assoc 2014;54:320. doi: 10.1331/JAPhA.2014.14518
- **19. Clay PG.** Community pharmacists preventing hospital re-admissions. J Amer Pharm Assoc 2014;54:208. doi: 10.1331/JAPhA.2014.14514
- **20.** Clay PG. Take heart: Pharmacists' vital contributions to maximizing health outcomes. J Amer Pharm Assoc 2014;54:96. doi: 10.1331/JAPhA.2014.14507.
- **21. Clay PG.** Science Snippets. Pharmacist-led blood pressure intervention demonstrates positive results. J Amer Pharm Assoc 2013;53:560. doi: 10.1331/JAPhA.2013.13534
- 22. Clay PG. Science Snippets. Pharmacist intervention for glycemic control, off-hour access to vaccines and point-of-sale provision of safety information. J Amer Pharm Assoc 2013;53:672. doi: 10.1331/JAPhA.2013.13539
- **23. Clay PG.** Science Snippets. Treatments for cystic fibrosis, increasing solubility and bioavailability and influenza vaccination dosage. J Amer Pharm Assoc 2013;53:448. doi: 10.1331/JAPhA.2013.13528
- 24. Lee MW, Clay PG, Kennedy K, Kennedy MJ, et.al. The essential research curriculum for doctor of pharmacy degree programs. Pharmacotherapy 2010;30:344e-9e.
- 25. Clay PG, Lindsey CC, Mangum SA. Reapplication requirements for prescription assistance program mischaracterized: the authors respond. J Manag Care Pharmacy 2007;13:687-8.
- 26. Clay PG. Single class therapy for HIV is not optimal care. Ann Pharmacother 2004 Jul-Aug;38(7-8):1307-9. DOI 10.1345/aph.1E030).
- 27. **Clay PG**, Lam AL. Testosterone replacement for the prevention of bone loss in HIV infected males. Ann Pharmacother 2003 Apr;37(4):582-5. DOI 10.1345/aph.1C345
- 28. **Clay PG**, Adams MM. Pseudo-parkinson disease secondary to ritonavir-buspirone interaction. Ann Pharmacother 2003 Feb;37(2);202-5. DOI 10.1345/aph.1C146
- 29. Clay PG. Using databases for clinical outcomes. AIDS 2002 Jan;16(2):300-3.
- 30. **Clay PG,** Slater LN, Rathbun RC. "Management protocol for abacavir-related hypersensitivity reactions" Ann Pharmacother 2000 Feb;34(2):247-9. DOI 10.1345/aph.19107
- 31. Clay PG, Rathbun RC, Slater LN. Nevirapine, lamivudine and zidovudine in HIV infected persons: The INCAS trial. Letter to the editor. J Amer Med Assoc 1999;281(2):130.

Book reviews

- 1. Clay PG. HIV 2nd Edition. Ann Pharmacother 2004;38:34.
- 2. Clay PG. Advanced Therapies for Hepatitis C. Ann Pharmacother 2012;46:769. doi:10.1345/aph.1R073

Peer-reviewed original research, clinical observations and teaching abstracts presented

- 1. McArthur R, Clay PG, Blick G, Waltzman R, Bell M. Long-term crofelemer use gives clinically relevant reductions in HIV-related diarrhea. 9th IAS Conference on HIV Science. Paris, France. 23-26 July 2017. Abstract: A-854-01010-01472 (accepted)
- 2. Mukasa K, Torres O, Clay PG, Baskaran K. Retrospective analysis to map student engagement in research design in required curriculum offered by the college of pharmacy at University of North Texas Health Science Center at Fort Worth: stage 1 of 3. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017.
- 3. Rybalchenko A, Hall B, Huang J, Clay PG. Identifying deserts of HIV provider training: part 1, PharmD students. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017.
- 4. Abebe B, Huang J, Clay PG. Development of a manuscript checklist for use by peer-reviewed journals to evaluate pharmacist direct patient care services manuscript submissions. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017
- 5. Ma AB, Clay PG. Oxidized low density lipoprotein for the early detection of atherosclerosis in human immunodeficiency virus patients on antiretroviral therapy. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017
- 6. Troung D, Clay PG, Elrod S. Adherence rates of antibiotic use during antiretroviral therapy in people living with HIV/AIDS. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017.
- 7. Liu Z, Clay PG, Elrod S. Medication adherence in people living with HIV/AIDS with concomitant diabetes. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017.

2016

- 8. Gehrig M, Clay PG, Perry R, Suzuki S, Liu J. Actual versus perceived use of pharmacokinetic (primarily absorption) influential OTC agents and ART tolerability in a nationwide matched cohort of HIV patients and their healthcare providers. ID Week 2016, New Orleans, LA. October 28, 2016. Poster 59190. (Encore presentation at UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017)
- 9. Clay PG, Uberu J, Silva H, Carlson E. Health literacy: assessing the health literacy assessment tool using talking touchscreen technology (HealthLiTT) survey in HIV participants. ID Week 2016, New Orleans, LA. October 28, 2016. Poster 60421. (Encore presentation: UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2017)
- Gilman J, Clay PG, Liu J, Suzuki S, Sinclair G. Hepatitis C treatment outcomes in people actively using drugs in Dallas, Texas. ID Week 2016, New Orleans, LA. October 30, 2016. Poster # 444.
- 11. Carlson E, Mudasiru O, Proeitti M, Clay PG. A qualitative assessment of health literacy to improve pharmacy services for HIV patients in north Texas. American Public Health Association 2016 Annual Meeting & Expo, Denver, CO. October 30, 2016. Poster 348619.
- 12. Voskuhl G, Gilman J, Clay PG, Liu J, Suzuki S. Real world hepatitis C treatment outcomes in Dallas, Texas. 2016 National Ryan White Conference on HIV Care and Treatment, Washington, DC. August 23, 2016. Poster # 6208.
- 13. Mudasiru O, Carlson E, Proeitti M, Clay PG. An assessment of HIV patient feedback on customer service in the pharmacy: a comparison between urban and rural locations. 2016 National Student Research Forum, Galveston, Texas. July 12, 2016. Poster # 215.

2015

- 14. Moncus T, Darin KM, Clay PG. Lessons learned from implementation of a patient-centered HIV care model to optimize HIV outcomes through improved communication between pharmacists and providers. Rural HIV Conference 2015. Savannah, GA. September 30, 2015. (platform)
- 15. Darin KM, **Clay PG.** Implementation of a patient-centered HIV care model to optimize HIV outcomes through improved communication between pharmacists and providers. 10th International Conference on HIV Treatment and Prevention. Miami, FL. June 28, 2016.
- 16. **Clay PG,** Surles T, Barrett A, Perry R, Hadfield A. Characterizing gastrointestinal symptoms in HIV patients taking antiretroviral therapy. American Conference for the Treatment of HIV, Dallas, TX. May 1, 2015. Poster # ACTHIV3.
- 17. Abebe B, Dokpesi P, **Clay PG.** Comprehensive literature examination to derive terminology currently used to describe pharmacist provided medication therapy management. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2015.
- 18. Bavafa A, Killam-Worrall L, **Clay PG.** Methods to determine the true rate of side effects caused by medications: a case study with antiretroviral medications and diarrhea. UNTHSC Research Appreciation Day, Fort Worth, Texas. March 2015.

2013

- 19. Hawkins TN, McArthur RD, Brown SJ, Clay PG, Waldman L, Barrett AC, Bortey E, Paterson C, Forbes WP. Safety and tolerability of crofelemer 125 mg twice daily in the treatment of non-infectious diarrhea in HIV-seropositive patients on antiretroviral therapy: results from a Phase 3, 48-week open-label study. ID Week 2013, San Francisco, CA. October 5, 2013. Poster #1505.
- 20. McArthur RD, Clay PG, Barrett AC, Golden PL, Bortey E, Paterson C, Forbes WP. Identifying high responder populations to crofelemer for treatment of non-infectious diarrhea in HIV(+) individuals. 53rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Denver, Colorado. September 13, 2013. Poster #H-1264.
- 21. Golden PL, Mathis A, Chu HM, Ette E, **Clay PG**, Paterson C, Rolleri R, Bortey E, Forbes WP. Population pharmacokinetic (PK) analysis demonstrates no drug-drug interactions between crofelemer, a novel treatment for non-infectious diarrhea in HIV(+) individuals, and antiretroviral therapy. 53rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Denver, Colorado. September 12, 2013. Poster #A-1577.

- 22. **Clay PG,** Williams CR, Erickson KD, Piepergerdes A. A site level quality assurance program outcome: identification of sponsor-provided source documents with greatest prevalence of errors. 49th Annual Drug Information Association Meeting, June 25, 2013. Poster #52432.
- 23. Clay PG, Barrett A, Golden P, Paterson C, Bortey E, Forbes W. Crofelemer for HIV-associated diarrhea: sustained efficacy, safety and adherence during a 6-months randomized, placebo controlled trial. 8th International Conference on HIV Treatment and Prevention Adherence. Miami, FL. June 5, 2013. Poster #140.

2010

- 24. Clay PG. Introducing research careers to pharmacy students: igniting a flame, not scalding for life. 2010 American Association of Colleges of Pharmacy Annual Meeting, Seattle, Washington. July 12, 2010. Session II.
- 25. Oliphant L, Williams C, Clay PG. Why am I always filling out deviation forms? A root-cause analysis of a site's protocol deviations. 46th Annual Drug Information Association, Washington, DC, June 13-17, 2010. W-22.
- Erickson KD, Williams C, Clay PG. Medical records are not gospel. 46th Annual Drug Information Association, Washington, DC, June 13-17, 2010. W-01.
- 27. **Clay PG,** Glaros AG, Taylor TAH. Elimination of bacterial contamination following chemical treatment of medical waste using the Transposal Ultra TM fluid collection disposal system. 5th Decennial International Conference on Healthcare-Associated Infections. Atlanta, GA. March 19, 2010. Poster #190.

2009

- 28. **Clay PG,** Yeast J. Influence of being diagnosed HIV positive on Midwesterners spirituality. International Association of Physicians in AIDS Care 2009 Annual Conference. New Orleans, Louisiana. December 1, 2009. (No abstract number assigned).
- 29. Yeast J, Clay PG. "Spirituality of HIV-infected persons study design and hypothesis". Lyceum 2009. Unity Village, Missouri. October 2, 2009.

2008

- Gillenwater K, Clay PG. Factors that Influence the Decision to Participate in Clinical Research Trials: A Pilot Study and Model for Clinical Researchers. Drug Information Journal 42(4), (2008).
- 31. Linklater E, Clay PG. A pilot study to assess study participants' ability to recall information from the informed consent and how well the person who consented them perceived they would be able to recall that information. Drug Information Journal 2008;42(4).

2007

- 32. **Clay PG**, Sweet D, Godofsky E, Osiyemi O, Redfield R, Smith S, Campo R, Shrank J, Parkins J, Reno J, Becker S. KP-1461 Phase 1B: A double-blind, placebo-controlled, dose escalation study evaluating safety, tolerability, and pharmacokinetics in HIV+ adults who have failed two or more highly active antiretroviral regimens. 11th European AIDS Conference/EACS. Madrid, Spain. October 24-27, 2007. Poster #P7.2/03.
- 33. **Clay PG**, Sweet DE, Osiyemi OO, Godofsky E, Redfield RE, Smith SE, Campo R, Shrank JH, Parkins J, Reno J, Becker S. Safety and tolerability of KP-1461 in Phase 1, dose ranging studies in highly antiretroviral experienced HIV infected persons. Infectious Diseases Society of America 45th Annual Meeting 2007. San Diego, California. October 6, 2007. Poster #973.
- 34. Busscher K, Clay PG, Lindsey C. Cost to complete PhRMA Patient/Medication Assistance Program (PAP) Applications Using "Money Saving" Software. Kansas City University of Medicine and Biosciences Research Symposium 2007: Research for Human Health. Kansas City, Missouri. February 9, 2007. Poster #23. (encore presentation at Missouri Society of Health-System Pharmacists Annual Meeting, St. Charles, Missouri, March 9, 2007. #5)

2006

- 35. Clay PG. ACCP's ID-PRN: Making YOUR membership count. How the ID-PRN enhances the value of membership. American College of Clinical Pharmacy 2006 Annual Meeting, Monterrey, California. October 28, 2006.
- 36. Marx JA, Lakko R, Clay PG, Johnston GM. Compliance with the American Heart Failure Guidelines in an Internal Medicine Residency Clinic. American College of Osteopathic Internists Research Symposium 2006. Phoenix, Arizona. October 18, 2006. (*encore* Kansas City University of Medicine and Biosciences Research Symposium 2007: Research for Human Health. Kansas City, Missouri. February 9, 2007. Poster #33) (*encore* presentation at Missouri Society of Health-System Pharmacists Annual Meeting, St. Charles, Missouri, March 9, 2007. #6).
- 37. Clay PG, Anderson P, Smith P, Lein D, Glaros A. Pharmacokinetics of once-daily fosamprenavir 1400 mg plus atazanavir 400 mg without ritonavir in HIV negative subjects. 13th Conference on Retroviruses and Opportunistic Infections, Denver, Colorado. February 6, 2006. Abstract #587 (encore Kansas City University of Medicine and Biosciences 2006 Research Symposium. Kansas City, Missouri. February 17, 2006. Poster #22; encore 2006 American College of Clinical Pharmacy Spring Research and Practice Forum. Monterrey, California. April 9, 2006.).

2005

- 38. Vaught ER, Clay PG, Glaros AG, Dietz CA, Mangum SA. Cost of Providing Medications via Prescription Assistance Programs to Medically Indigent patients. 49th Annual American Osteopathic Medical Association Meeting. Orlando, Florida. October 25, 2005. Abstract #91 (encore 2006 American College of Clinical Pharmacy Spring Research and Practice Forum. Monterrey, California. April 9, 2006. Abstract #181); (encore Kansas City University of Medicine and Biosciences 2006 Research Symposium. Kansas City, Missouri. February 17, 2006. Poster #34.).
- Clauson KA, Glaros AG, Clay PG. Characteristics of healthcare providers and their assessments of dietary supplements. American College of Clinical Pharmacy 2005 Spring Practice and Research Forum, April 10-13, Myrtle Beach, SC.
- 40. Sudholdt WF, Clay PG, Kirila CK, Johnston GM. Elevated colon cancer rates detected despite failing to screen to American Cancer Society goal. American College of Osteopathic Internists Research Symposium 2005. Orlando, Florida. October 17, 2005.
- 41. Clauson KA, Clay PG, Glaros AG. Perceived efficacy, indications and information sources for dietary supplements in medically indigent patients and their healthcare providers. Kansas City Area Life Sciences Institute Research Day, Overland Park, Kansas. April 6, 2005. E-25.

2004

- 42. **Clay PG**, Campo R, DeHovitz J, Johnson D, Squires K, Jordan W, Sajjan S, et al. HIV patient worries and sources of influences on intent to take newly prescribed medications: analysis by age. 27th Society of General Internal Medicine. Chicago, Il., May 15, 2004. Poster #80.
- 43. Sutton SS, Clay PG, Oppelt TF, Mullenix TA, Best CL. Predicting coronary heart disease in human immunodeficiency virus infected patients. 2nd International Conference on Clinical Pharmacy, Paris, France, April 28, 2004.

2003

- 44. **Clay PG**. Actual doses per day in patients with successful antiretroviral regimens. 2nd International Conference on Adherence to Antiretrovirals. Omni Renaissance Conference Center, Dallas, Texas. December 5, 2003. [platform presentation, Abstract #8]
- 45. DeHovitz J, Johnson D, Clay PG, Squires K, Jordan W, Campo R, Thompson D, et al. Factors Associated with Medication Worries in HIV Patients on Antiretroviral Therapy (ART). 41st Annual Infectious Disease Society of America Meeting. San Diego, California, October 11, 2003. Abstract #663.
- 46. Campo R, Johnson D, **Clay PG**, DeHovitz J, Squires K, Jordan W, Thompson D, et al. Willingness to Accept Antiretroviral Therapy (ART) Change Recommendations. 43rd Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, Illinois. September 15, 2003. Poster #H-854.
- 47. Jordan W, Campo R, Dehovitz J, **Clay PG**, Johnson D, Squires K, et al. Impact of patient's HIV knowledge on medication adherence, general health perception and patient worries. 26th Annual Meeting for the General Internal Medicine Society, Vancouver, Canada April 2003, Poster #47.

2002

- 48. **Clay PG**, Lein AD. Retrospective and concurrent comparison of the efficacy and cost-effectiveness of topical testosterone gel (TG) versus intramuscular (IM) or dermal patches (DP) in medically indigent HIV infected patients with clinical hypogonadism (HG) or laboratory evidence of need for testosterone supplementation (TS). 40th Infectious Diseases Society of America Meeting, Chicago, IL October 2002, Poster #474.
- 49. Clay PG, Mangum SA. Successful strategies at enhancing chapter enrollment through utilization of national association assistance. 2002 Annual American College of Clinical Pharmacy, Albuquerque, NM, October 2002.
- 50. Clay PG, Clauson KA, Glaros A. Pilot, Observational Study to Assess the Frequency, Indications, Effectiveness and Types of Complementary and Alternative Medicine (CAM) including Herbal and Natural Products Utilized in HIV infected versus non-HIV infected Medically-indigent and Minority patients, 2002 Society of Infectious Disease Pharmacists Annual Meeting, San Diego, CA, September 2002.

2001

- 51. **Clay PG**, Clauson KA. Use of complementary and alternative medicine (CAM) in the literature: who is missing and why. 2001 American College of Clinical Pharmacy Annual Meeting, Tampa, Fl. October 2001, Poster #105
- 52. **Clay PG,** Boyd J, Roberts N. Disparity in HIV medication initiation in African-American patients in a medically indigent population. 2001 American College of Clinical Pharmacy Annual Meeting, Tampa, Fl. October 2001, Poster 108e
- 53. Butcher D, **Clay PG**, Jordan W, Stansell J, Campo R, Dehovitz J, et al. HIV-related knowledge in patients treated with antiretroviral therapy (ART). 40th Annual Infectious Diseases Society of America meeting, San Francisco, Ca. October 2001.
- 54. Dehovitz J, Campo R, Butcher D, Clay PG, Jordan W, Stansell J, Grimes C, et al. General Health Perception of Patients with HIV. 41st Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL. September 2001.
- 55. Campo R, Dehovitz J, Butcher D, Clay PG, Jordan W, Stansell J, Rosa I, et al. Patient Willingness to Accept Antiretroviral Therapy (ART) Change Recommendations. 41st Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL. September 2001.

2000

- Clay PG, Kille A. "Comparison of the Incidence, Magnitude, Rate and Post-Therapeutic Effect of Ritonavir (RTV) on Cholesterol and Triglycerides (CHOL/TG) when used as a Pharmacokinetic Inhibitor (200 mg BID) versus Antiretroviral (400 mg BID)" 40th ICAAC, Toronto, Ontario, Canada (September 18, 2000) (*encore* 35th ASHP Midyear Clinical Meeting, Las Vegas, NV (December 6, 2000)); (*encore* 1st Annual Students Engaged in Artistic and Academic Research, UMKC, Kansas City, Mo (May 3, 2001))
- 57. **Clay PG,** Boyd J, Roberts N. "Disparity in HIV medication initiation in African-American patients in a medically indigent population" 40th ICAAC, Toronto, Ontario, Canada (September 17, 2000)
- 58. **Clay PG**, Adams MA, Mangum E. "Severe Pseudoparkinsonism secondary to a ritonavir-buspirone interaction" 38th IDSA, New Orleans, Louisiana (September 8, 2000)

1999

59. **Clay PG,** Slater LN, Rathbun RC, Farmer KC. "Cost avoidance of care for HIV patients through clinical trials" 39th ICAAC, San Francisco, CA (September 25, 1999).

Service

Government service

State

12/07 – 12/10 Voting member, Missouri Technology Commission High-Tech Small Business Incentive Program Advisory Committee, Kansas City, Missouri

2008 University of Louisiana – Monroe School of Pharmacy, External Grant Reviewer

2012 University of Missouri Research Board, External Grant Reviewer

2011 – 2012	Kansas University Medical Center Heartland Institute for Clinical and Translational Research (CTSA) Grant review committees (Pilot, KL2 and T32 applications)
2016 – ONG	Texas Department of Health and Senior Services Medicaid Drug Utilization Review Board (voting member)
Federal	
1987 – 1993	Louisiana Army National Guard 256th Mechanized and Light Infantry Brigade (Tactical operations center operations
	specialist; security detachment, Battalion S-3, deployment – Operation Desert Storm, 1991)
2008 - 2011	United States Department of Health and Human Services (DHHS), Food and Drug Administration (FDA) Center for Drug
	Evaluation and Research's (CDER) Antiviral Advisory Committee (voting member), Silver Springs, Maryland.
2008	DHHS NIH NIAID Special Emphasis Panel (P01 ZA11-CCH-A-M1)
2009	DHHS NIH ARRA Challenge Grants (2 panels)
2011	DHHS NIH NIAID Special Emphasis Panel Review Group (BAA 05 ZAI1 EC-M (C1))
2011 - 2014	DHHS FDA CDER, Pharmacology consultant (all committees), Silver Springs, Maryland.
2012	DHHS NIH NIAID Special Emphasis Panel, Integrated Preclinical/Clinical Program Review Panel (ZAI1 EC-A (S1))
2013	CMMI Healthcare Innovations Awards Round Two reviewer (panel 36)
2013	DHHS NIH NIAID Special Emphasis Panel (R01, RFA-AI-13-008)
2013	DHHS NIH NIAID Special Emphasis Panel (UM1, RFA-AI-05-002)
2013	DHHS NIH NIAID Preclinical Innovation Program Panel (R01, AZI1 JKB-A)

International:

2014

2006 Grant reviewer, Republic of South Africa Medical Research Council

Academic service

UMKC School of Pharmacy committee memberships: admissions, honor code, curriculum, Phi Delta Chi advisor KCUMB committee memberships: admissions, IRB, awards/scholarships, university VP Research search committee, research faculty UNTHSC committee membership: scholarship and awards, faculty bylaws, faculty senate, director online medical education search committee, research advisory council, faculty senate, faculty grievance and appeals, President's Council on People and Culture, Provost Task Force on Faculty Contracts, Provost Ad Hoc committee on UNTSHC annual evaluation tool and processes, Leadership 125, student leadership academy

DHHS NIH NIAID Preclinical Innovation Program Panel (U19, ZAI1 BP-A(M2)

UNTSCP committee membership: admissions, curriculum, white coating, orientation, promotion & tenure, graduate program, clinical programs, scholarships and awards, ACPE accreditation survey report (various)

Promotion and Tenure External Reviewer

2007	Western University of Health Sciences, College of Pharmacy
2008	University of Oklahoma Health Sciences Center
2010	University of South Carolina, College of Pharmacy
2011	Western University of Health Sciences, College of Pharmacy
2011	University of New Mexico, College of Pharmacy
2012	University of Louisiana - Monroe, College of Pharmacy
2013	West Virginia University College of Pharmacy
2014	St. Louis College of Pharmacy
2015	University of California – San Francisco, College of Pharmacy
2015	UNTHSC School of Public Health
2016	UNTHSC School of Public Health
2016	Albany College of Pharmacy
2016	University of New Mexico College of Pharmacy

Peer-Reviewed Journal Referee activities:

Editorial role, Annals of Pharmacotherapy, section on HIV/AIDS and STDs

2003 – 2007 Chairperson

2007 – 2009 Contributing member Peer reviewed journal manuscript reviewer:

AIDS Research and Human Retroviruses (2008 – ONG) HIV Clin Trials (2008 – 2012)

Ann Pharmacother (1998 – ONG) Insulin (2009)

Clin Interv Aging (2008 – 2010) International J Pharmaceut Med (2006)

Clin Therapeutics (2001 – 2014)

Curr Med Res Opin (2005 – 2012)

J Acquired Immune Defic Syndrome (2009 – 2011)

J Health Care for the Poor and Underserved (2008)

Current Drug Therapy (2006 – 2013)

J Amer Pharm Assoc (2001 – ONG)

Future Med (2008 – 2009) J General Intern Med (2004)

J Pharm Technol (2012) Pharmacists / Prescriber Letter (2010)

Pharmacogenomics (2008)

Pharmacother (2004 – ONG) Pharm Practice (2008 – 2010) Pharm Practice News (2003 – 2005

Professional Organizations (only those with offices held or leadership roles listed):

American Association of Colleges of Pharmacy

2001 – 2003 Member, Ad Hoc Committee, Computer Technology in Pharmacy Practice Education (nationwide survey developed,

implemented, completed and reported at 2003 annual meeting)

2008 New Investigator Program, Grant Review Committee, Pharmacy Practice

2009 – 2010 Member, Research and Scholarship Task Force

American College of Clinical Pharmacy:

2000 – 2001 Member, Awards Committee

Chairperson, Sub-committee on Clinical Practice Award

2001 – 2002 Member, Task Force on Cultural Competence

2001 – ONG Spring meeting abstract reviewer
2001 – ONG Annual meeting abstract reviewer
2002 – 2006 Annual meeting Silent Auction volunteer
2007 Member, Organizational Affairs Committee

2008 – 2009 Member, Taskforce on the state of Research in the pharmacy curriculum

2011 Reviewer, PSAP Module, HIV/Opportunistic Infections

Infectious Diseases Practice and Research Network (a specialty group within ACCP)

2003 – 2004 Secretary/Treasurer

2004 Member, Mini-sabbatical Review Committee

2004 – 2005 Chair-elect 2005 – 2006 Chair

2006 Chairperson, Ad-Hoc Committee for Revision of Mini-Sabbatical Application Guideline

2006 - 2007 Past-chair

2007 Chairperson, Mini-Sabbatical Review Committee

Abstract reviewer, Annual meeting

American Pharmacists Association

2009 - ONG

2009 - 2011	Member, Executive Council, APRS
2009 - 2010	Judge, Scientific Poster Sessions, Annual Meeting
2009 - 2010	Chair-Elect, APRS Section on Clinical Sciences
2009 - 2010	House of Delegate representative, APRS – Clinical Sciences section
2010 - 2011	Chair, APRS Awards Committee
2010 - 2011	Chair, APRS Section on Clinical Sciences
2011 - 2012	Immediate past-chair, APRS Section on Clinical Sciences
2013 – present	Chair, Expert Panel on Pharmacist Direct Patient Care Services

American Society of Health-System Pharmacists

1999 – 2010	Contributing member, Clinical Specialist Network
2002 - 2010	Contributing member, HIV Specialist network
2002	Member, Advisory Panel on Computers in Teaching

2003 Case contributor and critical reviewer, ASHP Clinical Skills Competition, New Orleans, La. December 2003.

2004 Candidate, ASHP Section on Clinical Specialists and Scientists

Heartland Association of Research Professionals

2010 – 2012 Vice-President

2011 – 2012 Chair, Annual Conference

International Pharmaceutical Federation

2002 Module reviewer, Role of Pharmacists in Providing Pharmaceutical Care to HIV infected persons' modular learning sets

Kansas City Association of Nurses in AIDS Care:

2000 – 2002 Co-chair, Scientific Affairs and Events

Mid-America College of Clinical Pharmacy:

2001 - 2002 President - elect

2002 – 2003 President

2003 – 2006 Website administrator

2005 – 2012 Acting President

Missouri Society of Health-System Pharmacists

2001 – 2008 Research and Education Foundation Board Member

2003 – 2006 Website development/oversight task force
 2009 Planning Committee, Annual Meeting
 2009 Judge, Resident Poster competition

Society of Infectious Disease Pharmacists:

2001 - 2002	Member, Internet Committee
2002 - 2004	Chair, Internet Committee

2002 – 2005 Co-Chair, Task Force on HIV Focused Pharmacists

2004 Candidate, Board Member at Large

2006 Member, Program Committee, 2006 SIDP Annual Meeting

2007 Member, Membership Committee
 2008 Member, Government Affairs
 2008 Chair, Recognition Committee

2009 – 2011 Member, Political Advocacy Committee
 2012 Member, Recognition Committee
 2013 Member, Recognition Committee
 2015 Member, Grants Committee
 2016 Member, Elections Committee

2017 Member, Inter-professional Engagement Committee

American College of Physicians

2011 – 2012 Co-Chair, Taskforce on Workforce Shortages: HIV Primary care providers

2nd International Conference on Adherence to Antiretroviral Therapy

2003 Abstract reviewer

Conferences/programs for which I served as chair or member of conference organizing body:

- April 2014 UNTHSC 2nd Annual Health Literacy Symposium: Building Health Literate Organizations, 1-day symposium delivering 7 hours of CME, CPE to healthcare professionals where my role is conference organizing committee member and keynote speaker attainment
- Oct 2012 Heartland Association of Research Professionals Annual Conference, a 1-day symposium delivering 7 hours of CME accredited training to regional research professionals where my role was conference chair and organizer
- Oct 2011 Heartland Association of Research Professionals Annual Conference, a 1-day symposium delivering 7 hours of CME accredited training to regional research professionals where my role was conference chair and organizer
- Dec 2010 2nd Global Clinical Budgeting and Contracting Excellence Conference, a 2-day annual symposium delivering timely and relevant information on improving the contractual process between clinical trial sponsors, CROs and investigator sites, Philadelphia, PA.
- Apr 2009 MSHP/ISHP Annual Meeting Planning Committee, a 3 day annual meeting of two states' of pharmacy association meeting, St. Charles, Missouri.
- Feb 2008 KCUMB 17th Annual Research Day, Conference Chair − 1 ½ day intramural research presentation conference focusing on student and faculty research activities including keynote speaker from NIH (Dr. Victoria Pinn). Kansas City, Missouri.
- Apr 2004 "HIV in Kansas City whaddya gonna do 'bout it?" 4-hour media outlet focused informational symposium on ongoing HIV research in the Kansas City Metropolitan Service Area
- Jun 2003 National Pharmacist Advisory Panel: Two day conference in Del Mar, California designed to update and gather feedback on HIV Pharmacotherapy with leading pharmacy researchers and clinicians from across the United States
- June 2003 "Drugs and Bugs: Infectious Microorganisms", Missouri Biotechnology Association, Assisted in coordinating event and finalizing speakers for UMKC coordinated event, Kansas City, MO
- Oct 2002 Mid-America College of Clinical Pharmacy CE program "HIT: sorting out the controversies" 1 hour CE program
- Aug 2002 Kansas City Association of Nurses in AIDS Care 14th World AIDS Conference Summary: 4-hour symposium conducted by internationally known speakers and researchers in HIV. Funding directly provided to KC ANAC

- Aug 2002 Mid-America and Gateway Colleges of Clinical Pharmacy Annual Meeting entitled "Cutting Edge Pharmacotherapy Innovations in Practice and Medicine", Branson, Missouri. Funding provided directly to MACCP
- Jun 2002 Mid-America College of Clinical Pharmacy Symposia on "What PHARMA looks for in seeking clinical trial sites", Kansas City Royals Kaufmann stadium, Kansas City, Missouri.
- Oct 2000 Mid-America AIDS Educational Alliance (MAEDAL): multidisciplinary, educational breakfast meeting of HIV researchers in the Kansas City area with presentations from locally-based & nationally known researchers/clinicians

Teaching

Undergraduate / Graduate audiences, Academic-based (* - denotes course coordinator)

Didactic	teaching*	
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1999 – 2005 U	UMKC COP, PharmD	program, Pharmacotherapy,	, Pharmacokinetics*,	Professional Communications,
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- 1999 2005 UMKC College of Nursing, Masters of Nursing Practitioner program: nursing therapeutics
- 2005 2012 KCUMB COM/B, Pharmacology/ethics, Clinical research training and ethics on conducting clinical research UNTHSC School of Public Health: Antibiotics and animals: a prescription for disaster or our best hope for meat?
- 2013 ONG UNTSCP: Introduction to Pharmacy Practice, Introduction to Pharmacy Practice Experiences, Pharmacology of Infectious Diseases*, Pharmacotherapy Infectious Disease Module*, OSCE grader, Interprofessional Education session facilitator, PharmD Research Seminar*,

Clinical/Experiential Teaching

- 1999 2005 UMKC COP, PharmD program, required IM & elective research APPE & IPPE (students, residents and non-traditional)
- 2006 2012 UMKC COP, PharmD program, elective research APPE
- 2007 2012 KCUMB COM/B, 4-week elective rotations in clinical research for medical and Masters of Biosciences students
- 2009 2012 St. Louis College of Pharmacy, PharmD program, elective APPE (clinical research)
- 2010 2012 KCUMB COM, IDIS-122 (a 1.5 credit hour course I designed to provide thorough education to medical students regarding the appropriate, ethical and economical aspects of clinical research)
- 2012 ONG UNTHSC Texas College of Osteopathic Medicine (TCOM) Family Medicine Residency Program influenza update,
- 2013 UNTHSC TCOM Family Medicine Residents Community MRSA prevention and management update
- 2016 ONG UNTSCP APPE 6-week elective rotation in HIV clinical research

Group Facilitating Sessions

- 1999 2004 UMKC COP, Honors seminar, elective course for senior PharmD students
- 1999 2005 UMKC COP PharmD program, led and guided various sized groups of students in non-classroom settings discussing introduction to pharmacy and research methodology
- 2006 2012 KCUMB COM, quarterly small group sessions discussing professionalism, ethical and cultural topics
- 2012 2013 UNTHSC Code Blue simulations (annual)
- 2013 present UNTHSC Interprofessional Experiential Forums (quarterly)

Graduate / Professional Student Teaching / Mentoring

- 2005 2012 KCUMB COM, Summer Fellowship program (annual, 2-month intensive research experience for medical students)
- 2007 KCUMB COB, served as primary mentor for master's thesis committee (multiple candidates)
- 2016 UNTHSC Graduate School of Biomedical Sciences Masters of Clinical Research Administration primary mentor

Invited Lectures

- 2003 University of Kansas School of Pharmacy and Kansas University Medical Center, Post-doctoral Pharmacy Practice/Masters of Business Administration resident rotations
- 2004 University of Nebraska College of Pharmacy (2004, Guest therapeutics lecturer (HIV/AIDS)
- 2008 St. Louis University College of Pharmacy, St. Louis, Missouri, Clinical Research Elective Rotation for senior PharmD students

Professional / Healthcare provider instruction

Professional conference invited speaker and platform presentations:

- 1. "Update on HIV and Hepatitis C Management", Prime Education, Little Rock, AR. October 2016.
- 2. "Update on HIV Management", Prime Education, Frisco, Texas. March 2016.
- 3. "Carrots and sticks: Finding the right incentives for Academic Sites", 5th Annual CROWN Conference on Collaborative Sponsor-Site Partnerships, Philadelphia, PA. January 24, 2014.
- 4. "Use of crofelemer for treatment of non-infectious diarrhea in HIV-positive persons receiving antiretroviral therapy", social worker and nursing CE program, Dallas, TX, September 2013.

- 5. "MRSA in the community: an update for practicing physicians: 2013", UNTHSC TCOM Plaza Medical Center Family Medicine Residency Teaching Seminar, Fort Worth, Texas March 28, 2013.
- 6. "Building and developing a viable quality assurance process in an academic based free-standing dedicated research facility", 4th Annual CROWN Conference on Collaborative Sponsor-Site Partnerships, Philadelphia, PA. March 21, 2013.
- 7. "Bites, stings and other unwanted outdoor activities: a multidisciplinary approach to the management of patients presenting with envenomation", UNTHSC Grand Rounds, Fort Worth, Texas, October 2012.
- 8. "Influenza update for practicing physicians: 2012", UNTHSC TCOM Plaza Medical Center Family Medicine Residency Teaching Seminar, Fort Worth, Texas October 2012.
- 9. "Update on Hepatitis C management", 2012 MSHP/KSHP Annual Convention, Kansas City, Missouri, April 20, 2012.
- 10. "Research, ethics, diversifying revenue and the practicing physician: are they compatible?" 20th Annual KCUMB Research Day invited presentation, Kansas City, Missouri, April 19, 2012.
- 11. "Showing Osteopathic Students where the rubber meets the road: a practice based elective course in clinical trial conduct", 2012 American Association of Colleges of Osteopathic Medicine Annual Meeting, Washington, DC, March 30, 2012.
- 12. Session Moderator, Brief Presentation Focus: Curriculum, American Association of Colleges of Osteopathic Medicine Annual Meeting, Washington, DC, March 30, 2012.
- 13. "Maximizing ROI: how to improve budget negotiations with clinical trial sites", 3rd Annual Global Clinical Budgeting & Contracting Excellence Conference, Philadelphia, PA, December 9, 2011.
- 14. "Preparing your research center for natural disasters: a focus on data security and integrity", 2011 Heartland Association of Clinical Research Professionals, Overland Park, KS, October 11, 2011.
- 15. "Understanding how facilitated clinical research can represent a successful component of your medical practice", KCUMB 19th Annual Research Day, Kansas City, MO, April 19, 2011.
- 16. "Building a flexible contract to enable patient recruitment and avoid trial delays", 2nd Annual Global Clinical Budgeting & Contracting Excellence Conference, Philadelphia, PA, December 7, 2010.
- 17. "Sponsor, site and CROs discuss improving communication, adhering to contracting and budgeting responsibilities and building relationships to achieve success: the academic site perspective", 2nd Annual Global Clinical Budgeting & Contracting Excellence Conference, Philadelphia, PA, December 6, 2010.
- 18. "Patient Protection and Affordable Care Act 2010: Impact on research", 2010 Heartland Association of Clinical Professionals, Overland Park, KS, October 15, 2010.
- 19. "HIV in 2010: translating research advances and guideline updates into patient care", 20th Annual Society of Infectious Diseases Pharmacists Annual Meeting, Boston, MA, September 11, 2010.
- 20. "Drug Development Panel: Powering Antiretroviral Regimens to Ameliorate Adherence Concerns", Session Moderator and presenter, 5th International Conference on HIV Treatment Adherence, Miami, Florida, May 25, 2010.
- 21. "Determining a Common Ground: Identifying Fair Practices for Intellectual Property Rights when Contracting with Academic Medical Centers", eXl PhRMA Global Budgeting & Contracting Conference, Princeton, New Jersey, December 8, 2009.
- 22. "Recruiting Niche Populations", Heartland Area Research Professionals Annual Educational Conference, Overland Park, Kansas, October 30, 2009.
- 23. "Blinding in the Age of Blogging", Heartland Area Research Professionals Annual Educational Conference, Overland Park, Kansas, October 30, 2009.
- 24. "The influence of HIV infection on religion and spirituality", LYCEUM 2009, Unity Village, Missouri, October 2, 2009.
- 25. "Update on Antiretrovirals: 2009", Missouri/Illinois Society of Health-System Pharmacists Annual Meeting, St. Charles, Missouri, April 25, 2009.
- 26. "Once Daily Antiretroviral Regimens", 2009 American College of Clinical Pharmacy/European College of Clinical Pharmacy Annual Meeting, Orlando, Florida, April 28, 2009.
- 27. "Clinical Trials and the Research Pyramid", 17th Annual KCUMB Research Symposium, Kansas City, Missouri, February 17, 2009.
- 28. "Mentoring the research professional", 2009 American Pharmacists Association Annual Meeting, San Antonio, Texas, April 6, 2009.
- 29. "Optimizing Subject Recruitment for Clinical Trials", Shriner's Hospital Annual Research Conference, Tampa, Florida, January 17, 2009.
- 30. "Getting from Plan to Point of Care: Local Implementation of a Global Strategic Recruitment Plan", Drug Information Association interactive webinar, November 13, 2008.
- 31. "Delivering PAP Programs Understanding The Prescriber's Burden", Modernize Patient Assistance Programs, Washington, DC, September 18, 2008.
- 32. "HIV Management Update: 2009", 3 hour seminar to Walgreen's pharmacists, Walgreen's TMC, Kansas City, Missouri, August 19, 2008.
- 33. "Recognizing the Controversies, Impediments and Opportunities for Patient Recruitment within specific Therapeutic Areas: HIV/Infecious Disease", eXl Pharma's Tools for Meeting Patient Recruitment Goals, Baltimore, Maryland, July 28, 2008.
- 34. "Successfully Recruiting Niche Populations for Clinical Trials: God, Money and Me the influence of religion, economics and ethnicity on recruitment strategies targeting under-represented populations", 44th Annual Meeting of the Drug Information Association, Boston, Massachusetts, June 26, 2008.

- 35. "HIV Therapeutic Management: Antiretroviral, Opportunistic Infections, Drug Interactions and Co-Morbid diseases", 3-hour seminar to Walgreen's pharmacy interns, Walgreen's District Office, Fairway, Kansas, June 19, 2008.
- 36. "HIV Therapeutic Update: 2009", 2008 Annual MSHP/ISHP Meeting, St. Charles, Missouri, April 25, 2008.
- 37. "Invigorating clinical research productivity from clinicians lessons learned at Dybedal Clinical Research Center", Grand Rounds, University of Buffalo School of Pharmacy, Buffalo, New York, March 27, 2008.
- 38. "HIV research directions in Kansas City initiatives, directions and prospects", UMKC Dental School Oral Biology Grand Rounds, Kansas City, Missouri, January 16, 2008.
- 39. "Emerging Therapeutic Options: New Twists for the Clinical Management of Patients with HIV/AIDS", 2007 American College of Clinical Pharmacy Annual Meeting CME, Denver, Colorado, October 16, 2007.
- 40. "Incorporating Clinical Research into Clinical Practice". KCUMB Homecoming CME conference, Kansas City, Missouri, September 7, 2007.
- 41. "Organizing Clinical Research", KCUMB Winter CME Seminar, Kansas City, Missouri, December 16, 2006.
- 42. "Translational Research", Kansas City Area Life Sciences Institute-Meeting of the Scientific Advisory Committee, Kansas City, Missouri, November 28, 2006.
- 43. "Health Disparities in HIV", 2006 American College of Clinical Pharmacy Annual Meeting CME, St. Louis, Missouri, October 28, 2006
- 44. "Antiretroviral Pharmacotherapy: 2006", ACCP 2006 Annual Meeting Satellite Symposium sponsored by Gilead Sciences and conducted by University of Buffalo, St. Louis, Missouri, October 27, 2005.
- 45. Moderator, "Therapeutic Updates and Controversies in Infectious Diseases", ACCP 2006 Annual Meeting, St. Louis, Missouri, October 26, 2006.
- 46. Moderator, "HIV Pharmacotherapy: An Update for the Practicing Clinician (and Occasional HIV Pharmacist)", ACCP 2006 Annual Meeting, St. Louis, Missouri, October 25, 2006.
- 47. "State of the Art Mini-Review: Influenza", ACCP 2006 Annual Meeting, St. Louis, Missouri, October 26, 2005.
- 48. "Antiretroviral Update: 2006", KCUMB Homecoming 2006 CME Seminar, Kansas City, Missouri, September 7, 2006.
- 49. "Is There a Future for Structured Treatment Interruptions?", IAPAC North American Sessions 2006 CME, Chicago, Illinois, May 11, 2006.
- 50. "Pharmacologic Management of HIV and AIDS: Antiretrovirals", KSHP-MSHP Spring meeting '06 CME, "Spring Into Action", Overland Park, Kansas, Friday, April 21, 2006.
- 51. "Testosterone Deficiency: Defining the Problem and Treating it Effectively", Medical Center of Independence Conference CME. February 15, 2006.
- 52. "Research from Head to Toe: Enrolling Your Patient's in Investigational Studies Available at KCUMB's Dybedal Clinical Research Center", Medical Center of Independence Conference. November 30, 2005.
- 53. "Developing Clinical Research", KCUMB Lunch and Learn Series CME, Kansas City, Missouri, November 4, 2005.
- 54. "HIV Pharmacotherapy: 2005 Update", ACCP 2005 Annual Meeting Satellite Symposium sponsored by Gilead Sciences and conducted by University of Buffalo, Monterrey, California, October 24, 2005.
- 55. Moderator, "Antifungal Update: A Little Bit for Everyone", ACCP 2005 Annual Meeting, San Francisco, California, October 23, 2005.
- 56. "The Midas Touch? Turning Practice into Research Dollars", KCUMB Homecoming 2005 CME Seminar, Kansas City, Missouri, September 9, 2005.
- 57. Moderator, "Deconstructing Data", North American AIDS Treatment Action Forum, St. Louis, Missouri, December 10, 2004.
- 58. "Practical approaches to manage and prevent multi-drug resistant infections: HIV" 2004 ASHP Midyear Clinical Meeting, Orlando, FL. December 9, 2004.
- 59. "TDM in HIV: Update 2004" Springfield, Missouri, November 3, 2004.
- 60. "Published data on TDM of Antiretroviral Therapy" Grand Rounds, Grady Memorial Hospital, Atlanta, Georgia, October 14, 2004.
- 61. "ABCs of Pharmacokinetics" 1 hour ACPE accredited program, Springfield, Missouri, October 6, 2004.
- 62. "Pharmacokinetics of antiretrovirals in 2004 a review of the published data" 1 hr. CME accredited program, Landry's Restaurant, El Paso, TX, August 25, 2004.
- 63. "Update on pharmacokinetic considerations in HIV management" University of Illinois Chicago Mid-America AIDS Education and Training, Chicago, IL, August 4, 2004.
- 64. "Reyataz: the first once daily protease inhibitor" Kansas City, Mo. July 28, 2004
- 65. "Treatment strategies in antiretroviral experienced patients" McCauley Health Clinic, Grand Rapids, MI, June 15, 2004.
- 66. "Emerging Issues in HIV Therapy" University of South Florida and Florida/Caribbean AIDS Education Training Center continuing education program, Orlando, Florida, June 5, 2004.
- 67. "A discussion on efavirenz (Sustiva)" Kansas City, MO, May 27, 2004.
- 68. "Managing Drug Interactions of Antiretrovirals" University of Houston's 2004 Infectious Disease Pharmacotherapy Symposium, Houston, TX. May 21, 2004.
- 69. "The pharmacokinetics of antiretrovirals: a primer for fellows" Henry Ford Hospital Division of Infectious Diseases and Hospital Epidemiology Grand Rounds, Detroit, MI. April 28, 2004.

- 70. "Examining the pharmacoeconomics of US AIDS drug access: treatment considerations" International Association of Physicians in AIDS Care summit on access to antiretrovirals, Washington, D.C. April 6, 2004.
- 71. "HIV drug interactions" 8th Annual Infectious Disease and Critical Care Symposium, Detroit Medical Center, Wayne State University, Detroit, MI. January 30, 2004.
- 72. "5 Minute Clinical Pearls: How to lose an antiretroviral in 10 days" American Society of Health-System Pharmacists Mid-Year Clinical Meeting, New Orleans, Louisiana, December 7, 2003.
- 73. "The Perfect Storm: resistance to anti-infectives in 2003" American Society of Health-System Pharmacists Mid-Year Clinical Meeting, New Orleans, Louisiana, December 6, 2003.
- 74. "Making sense of the latest antiretrovirals for health professionals: click here!" pharmacist CE evening program, Detroit, MI October 9, 2003.
- 75. "HIV Pharmacotherapy: ICAAC and IAS highlights a pharmacist's perspective" lunchtime educational session, Detroit, MI October 9, 2003.
- 76. "Antiretroviral Pharmacotherapy, 2003's IAS and ICAAC Updates" Grand Rapids, MI. September 30, 2003.
- 77. "Antiretroviral resistance: translating bench to bedside" Division of Pharmaceutical Sciences Seminar Series, UMKC School of Pharmacy, Kansas City, MO September 25, 2003.
- 78. "Antiretroviral Pharmacokinetics: Translating Bench to Bedside" Florida AIDS Education and Training Program, Embassy Suites, Orlando, Fl. August 2, 2003.
- 79. "HIV Pharmacotherapy: A Primer" L'Auberge Resort and Spa, Del Mar, California, June 13, 2003
- 80. "Update on HIV Therapy" Chicago Veteran's Affairs Medical Center, May 29, 2003, Chicago, IL.
- 81. "Emerging Trends in HIV Therapy: the role of therapeutic drug monitoring and pharmacokinetics on clinical outcomes" CE program, May 29, 2003, Chicago, IL.
- 82. "Simplifying the ART of HAART: applying pharmacokinetics to antiretroviral therapy" Agouron/Pfizer National Sales Meeting, Coronado Island, California March 12, 2003.
- 83. "Developing Contracts with the Pharmaceutical Industry", Workshop on Improving Research Funding, Sponsored Programs and Research Support Office, UMKC Office of Research Administration, November 11, 2002
- 84. "Metabolic and morphologic complications of HIV and its therapy" Mid-America AIDS Educational and Training Center, November 6, 2002, Milwaukee, WS.
- 85. "HIV Acronyms: what do they mean and why should I care?" Mid-America/Gateway Colleges of Clinical Pharmacy 8th Annual Joint meeting, August 4, 2002, Branson, Mo.
- 86. "Managing Drug Interactions in HIV" University of Buffalo at New York's HIV Pharmacotherapy Network HIV Pharmacist Certificate Program. April 3, 2002, West Palm Beach, Florida
- 87. "Antiretroviral therapy guidelines 2002 Edition" University of Buffalo at New York's HIV Pharmacotherapy Network CE program, April 4, 2002, West Palm Beach, Florida.
- 88. "Therapeutic Drug Monitoring in HIV Pharmacotherapy: A Clinician's Perspective" Clinical Pharmacology in Antiretroviral Therapy, December 15, 2001, Chicago, IL.
- 89. "Making Sense of HIV Pharmacotherapy: Update 2001" University Learning Systems, Kissimmee, FL (December 8, 2001); 4-hours continuing education program
- 90. "TDM in HIV Making sense of it all" Agouron sponsored CE program, Ft. Lauderdale, Florida, December 6, 2001.
- 91. "Pharmacoeconomics of HIV" Academy of Continuing Education, Ft. Lauderdale, Florida (April 2001)
- 92. "Making Sense of HIV Pharmacotherapy" MSHP/ISHP Annual Meeting, St. Louis, Mo (March 2001)
- 93. "Retrovirus 2001: An update" Kansas City Infectious Disease Society, Kansas City, Mo (February 2001)
- 94. "Controversies in HIV Management: Debating the issues" MACCP, Kansas City, Mo (June 2000)
- 95. "Pharmacoeconomic considerations in HIV Pharmacotherapy" Academy of Continuing Education Programs, Atlanta, Georgia (May 2000)
- 96. "Update in HIV Pharmacotherapy" Academy of Managed Care Pharmacy Annual Meeting, Phoenix, AZ (March 2000)
- 97. "Update on HIV Pharmacotherapy" UMKC School of Medicine, Kansas City, Mo (November 1999)
- 98. "Finding Waldo: Selecting optimal therapy for HIV infected persons in 1999" Academy of Managed Care Pharmacy Annual Meeting, Atlanta, Georgia (October 1999)

Mass media/provider & patient educational publications (non-peer reviewed)

- 1. Clay PG, ed. Positively Aware 2014 Annual Drug Guide. (in press)
- 2. Clay PG. What's the scoop on poop? Posit Aware. Nov-Dec 2013; 13.
- 3. Clay PG. With diabetes, actions speak louder than words. *Posit Aware*. May-June 2011;15-7.
- 4. **Clay PG.** A bad break: bone issues in people with HIV: what we've learned so far and what you can do. *Posit Aware* 2010. Jan/Feb;32-3.
- 5. Oelklaus MW, Williams CL, Clay PG. Managing long-term Side Effects of HIV Therapy. *Posit Aware* 2007 Mar-Apr;18(2):33-34. PMID: 17390489.

- 6. **Clay PG,** Clifton CE, Berry J, eds. Pharmacokinetics in HIV: A Primer for Patients. *Posit Aware* (two part series intended to educate patients about their antiretroviral pharmacokinetics). 2005 Winter.
- 7. Clay PG. The nukes. Each one works a little differently. Posit Aware 2005 Winter; Spec No:8-11.
- 8. Clay PG. What's PK (pharmacokinetics) got to do with it? Supplement introduction. Posit Aware 2005 Winter; No:2-3.
- 9. Clay PG, Smith RS, eds. Dosing chart for boosted protease inhibitor regimens. J Intern Assoc Physic AIDS Care. Jun 2004.
- 10. Clay PG. Adherence conference: Elements of success. Posit Aware 2004 Mar;15(2):16-7.
- 11. Clay PG. 11th Annual Retrovirus Conference. Drug update: the old, the new, the still to come. Posit Aware 2004;15:25-7.
- 12. Clay PG. The 8th Annual HIV Drug Guide. Posit Aware 2004;15:16-42.
- 13. Clay PG. Bon appétit: using food to boost your Viracept. Posit Aware 2003;14:29.
- 14. Clay PG. The 7th Annual HIV Drug Medication Guide. Posit Aware 2003Jul-Aug:13(4);12-30.
- 15. Clay PG. Mixing and matching meds: ICAAC Update. Posit Aware 2002:12;12-6.
- 16. Clay PG. Retrovirus update. Posit Aware 2002 May-Jun:13(3);30-1.

Community and patient support group invited educational panels / sessions:

- 1. "Worth noting: HIV medicines and illicit drugs don't mix well", 1-hr educational seminar provided to North Central Texas Ryan White clients and planning council members, Tarrant County Health Department, Fort Worth, Texas. May 2013.
- 2. "What's new in HIV medications and their management?", 1-hr educational seminar provided to North Central Texas Ryan White clients, Wichita Falls Health Department, Wichita Falls, Texas. April 2013
- 3. "What's new in HIV medications and their management?", 1-hr educational seminar provided to North Central Texas Ryan White clients, Abilene Health Department, Abilene, Texas. March 2013
- 4. "Update in HIV therapeutics", 1 hour educational seminar provided at citywide HIV Case Manager meeting, Kansas City Health Department, Kansas City, MO, December 1, 2011.
- 5. "HIV Medicines: 101", 1 hour educational seminar provided to medically-indigent and minority HIV infected women (Healthy University), Kansas City, Kansas, May 2, 2011.
- 6. "HIV Research 101 for Women: questions to ask and answers you should get", HIV University Annual Women's Conference, Kansas City, KS, November 6, 2010.
- 7. "HIV Research: Questions you need to ask", Pozitive Perspectives, Springfield, MO, October 12, 2010.
- 8. "An update on HIV medicines: 2010", RAISE Annual Client Educational Conference, St. Joseph, MO, October 10, 2010.
- 9. "HIV what else do you need to worry about besides the virus? A review of the complications of being HIV-positive", RAISE Annual Client Educational Conference, St. Joseph, Missouri, October 10, 2009.
- 10. "HIV Medicines: 101", 1 hour educational seminar provided to medically indigent and minority HIV infected women (HIV-U), Kansas City, Kansas, May 14, 2009.
- 11. "What is clinical research and how do you refer your patients to appropriate trials? A primer for primary care", St. Joseph Carondolet Medical Center KCUMB-PA clinic, Kansas City, Missouri, August 29, 2008.
- 12. "Yes you CAN be a pharmacist!", Multiple presentations at local school district career day, DeSoto School District, Shawnee, Kansas, April 16, 2009.
- 13. "New and Emerging Therapies in HIV: A Patient's Town Hall Meeting", International Association of Physician's in AIDS Care organized, Kansas City, Missouri, November 18, 2008.
- 14. "Understanding your HIV medicines and why they make you feel so bad sometimes", 3 hour presentation and discussion with Phoenix Project (community group of HIV-positive African-American men), Tan-Tar-A Resort, Osage Beach, Missouri, August 24, 2008.
- 15. "HIV research in Kansas City", presentation to Kansas City's Ryan White Planning Council, Kansas City Health Department, Kansas City, Missouri, June 18, 2008.
- 16. "HIV Medicines: 101", 1 hour educational seminar provided to medically indigent and minority HIV infected women (HIV-U), Kansas City, Kansas, May 21, 2008.
- 17. "Opportunistic Infections in HIV patients: Update 2009", 1 hour educational program for HIV Case Managers, Good Samaritan Project, Kansas City, Missouri, April 23,2008.
- 18. "Yes you CAN be a pharmacist!", Multiple presentations at local school district career day, DeSoto School District, Shawnee, Kansas, April 17, 2008.
- 19. "How to find and refer patients to appropriate clinical trials: a primer for primary care", AIDS Project of the Ozarks, Springfield, Missouri, April 10, 2008.
- 20. "HIV Update for Case Managers", 1 hour educational session to HIV case managers, Good Samaritan Project, Kansas City, Missouri, February 28, 2008.
- 21. "HIV Update for Case Managers", 1 hour educational session to HIV case managers, St. Joseph, Missouri, (RAISE), February 26, 2008.
- 22. "HIV Update for Case Managers", 1 hour educational session to HIV case managers, Topeka AIDS Project, Topeka, Kansas, February 18, 2008.
- 23. "What do you need to know about clinical research?", 1 hour presentation to HIV case managers, Douglas County AIDS Project, Lawrence, Kansas, December 18, 2007.

- 24. "Updating HIV medications for case managers", 1 hour educational seminar to HIV case managers, Good Samaritan Project, Kansas City, Missouri, November 14, 2007.
- 25. "Update on HIV therapy new agents", 1 hour educational seminar to HIV positive persons, RAISE, St. Joseph, Missouri, October 20, 2007.
- 26. "HIV Medications why are you taking what you are taking?", 1 hour presentation for HIV positive persons, Gregg Klice Community Center, Kansas City, Missouri, October 19, 2007.
- 27. "HIV Therapeutics Update: 2007", 1 hour educational seminar for case managers, AIDS Project of the Ozarks, Springfield, Missouri, September 12, 2007.
- 28. "HIV Medications and U: Side Effects" 1 hour educational seminar provided to medically indigent and minority HIV infected women (HIV-U), Kansas City, Missouri, August 20, 2007.
- 29. "HIV Therapy Update for Case Managers", 1 hour educational seminar to HIV case managers, Regional AIDS Interfaith Network, Columbia, Missouri, June 26, 2007.
- 30. "Emerging Therapies for HIV" 1 hour educational seminar to HIV positive persons, St. Joseph, Missouri, May 30, 2007.
- 31. "HIV Medications and U: What are the medicines?" 1 hour educational seminar provided to medically indigent and minority HIV infected women (HIV-U), Kansas City, Missouri, May 17, 2007.
- 32. "Update on HIV Therapy: 2007", Good Samaritan Project Case Manager monthly meeting, Kansas City, Missouri, January 22, 2007.
- 33. New Clinic Research presentation provided to the Women of Hope group at Truman Medical Center, Kansas City, Missouri, August 16, 2006.
- 34. HIV in Africa what are the risks for mission workers? educational seminar provided to Country Club Christian Church mission workers, Kansas City, Missouri, November 17, 2004.
- 35. "HIV in Kansas City: Whaddya goin' do 'bout it?" organized and conducted a press/media conference to promote local HIV researchers to present ongoing HIV research, counseling and testing activities in the Kansas City Metropolitan Service Area. April 30, 2004.
- 36. "HIV Medications where are we in 2003?" 1 hour educational seminar provided to Kansas City wide case manager / social worker conference, Kansas City Health Department, Kansas City, MO September 29, 2003
- 37. "HIV Medications side effects" 1 hour educational seminar provided to medically indigent and minority HIV infected women in Kansas City, MO, September 26, 2003.
- 38. "HIV Medications the basics" 1 hour educational seminar provided to medically indigent and minority HIV infected women in Kansas City, MO, July 8, 2003.
- 39. "Managing the symptoms of hepatitis and its treatment" Monthly educational meeting of the Patio Club (hepatitis support group that meets weekly at the Kansas City Free Health Clinic and is funded by a grant from the Centers for Disease Control), Kansas City, MO, June 2003
- 40. "Hepatitis A, B and C (Oh, and HIV too): Making it simple" Monthly educational meeting of the Patio Club (hepatitis support group that meets weekly at the Kansas City Free Health Clinic and is funded by a grant from the Centers for Disease Control), Kansas City, MO, May 2003
- 41. "Hepatitis B treatment what do we know?" – Monthly educational meeting of the Patio Club (hepatitis support group that meets weekly at the Kansas City Free Health Clinic and is funded by a grant from the Centers for Disease Control), Kansas City, MO., April 2003
- 42. "Understanding HIV medicines" Seminar provided to counselors for Camp Kendle, a nationwide attended camp for children with HIV infection, Lincoln, NE June 6, 2002
- 43. "HIV University for Women: Understanding Viral Replication" Seminar provided to HIV infected women in Kansas City, May 23, 2002
- 44. "Improving relationships between patients and providers" Kansas City Veteran's Affairs Hospital World AIDS Day patient education forum. Panelist, December 1, 2000.

Current Professional Organizations:

American Association of Colleges of Pharmacy American Pharmaceutical Association Association of Clinical Research Professionals HIV Medicine Association - IDSA Infectious Diseases Society of America
International Association of Physicians in AIDS
Care
Phi Delta Chi Fraternity

Society of Infectious Disease Pharmacists Texas Pharmacy Association Tarrant County Pharmacists Association

Non-refereed activities:

University of Buffalo – New York HIV Pharmacotherapy Network (an electronic reference and teaching platform for healthcare professionals about HIV. It provides evidence based answers to questions posed by members of the network regarding HIV disease process, epidemiology, transmission, plasma concentrations of antiretrovirals and optimization of all medications being used in persons infected with HIV). This training site is used by major chain pharmacies to teach their community pharmacists about HIV/AIDS and is updated annually. (http://hiv.buffalo.edu/pharmacoeconomics.shtml)

Positively Aware: (The Journal of Test Positive Aware Network)

This Medline referenced journal is a patient oriented magazine that has a bi-monthly publication run of over 75,000 copies plus an additional 10,000 individual subscriptions and 2,000 copies distributed at major HIV meetings in the United States and the Caribbean. Additionally, the online version of the magazine receives over 13,000 visits per month. (www.tpan.com)

2001 –	2006	Medical Advisory Board – review submitted articles for appropriateness and accuracy
2001 –	2009	Contributing author and conference reviewer – provide occasional articles on timely topics, pharmacotherapy updates and summaries of conferences.
		These contributions can be found via Medline.
2001 –	2003	Contributing Editor, Annual Drug Guide – solicit contributors (from an international cohort of HIV-focused pharmacists), assemble documents and
		edit the final draft of the preeminent patient oriented drug guide in the world
2014		Coordinator Editor, Annual Drug Guide – secured contributing editors from international cohort of AAHIVM certified pharmacists to update the
		annual drug guide then reviewed their submissions and worked with published to finalize guide

Society of Infectious Disease Pharmacists Task Force on HIV-Focused Pharmacists (www.sidp.org); Initiated, received Board approval, and acquired funding to develop a sub-group of this international organization that consists of those members that spend the majority of their time on HIV related issues. This group maintains active engagement of 300+ of the world's leading HIV pharmacist-clinicians and researchers.

Community service and leisure activities

1986 – ONG	Whole blood donor (every 8 weeks!)
1991 – ONG	Life Member, American Legion (Veteran (11B30, E-4); Operation Desert Storm)
2000 - ONG	Volunteer, various AIDS Service Organizations awareness & fund-raising activities in Kansas City & DFW metropolitan area
2004 - ONG	Marathoner (8 and counting)
2013 - ONG	Texas Center for Arts and Academics (501(c)3) Annual Gala committee member

Shanna M. Combs, MD, FACOG

849 Springbrook DR Fort Worth, TX 76107 505-463-2193

drscombs@gmail.com shanna_combs@hotmail.com shanna.combs@unthsc.edu

Employment Experience

Acclaim Physician Group

2017-Present

Physician

Department of Obstetrics and Gynecology

University of North Texas Health Science Center, Fort Worth TX

2012-Present

Assistant Professor

Faculty in the Department of Obstetrics and Gynecology

Member, Department of Obstetrics and Gynecology Undergraduate Medical Education Committee

Ballet Theatre of New Mexico, Albuquerque, NM

Director, Children's Division

2004-2006

Developed syllabus for ballet classes of children ages 3-12, instructed teachers on how to teach them, and coordinated two productions a year.

Ballet Theatre of New Mexico, Albuquerque, NM

Teacher and Professional Ballet Dancer

2001-2006

Ballet Teacher and rehearsal coach for children age 3-18 and professional company. Company member performing in 3-4 productions a year.

Professional Training

John Peter Smith Hospital, Fort Worth, TX

Obstetrics and Gynecology Residency

2008-2012

Education

University of New Mexico School of Medicine, Albuquerque, NM

2004-2008

MD

Texas Christian University, Fort Worth, TX

1997-2001

B.F.A. in Ballet, Magna Cum Laude

Licensure and Certification	
Texas State Board of Medical Examiners – License #N3572 Board Certified-American Board of Obstetrics and Gynecology	2009 2016
Honors and Awards	
Mom-Approved Ob/Gyn Fort Worth Child Magazine, Fort Worth, TX	2/2017
Provider of the Month Labor and Delivery, Texas Health Fort Worth Harris Hospital, Fort, Worth, TX	6/2014
Service Excellence WOW Award UNTHealth, Fort Worth, TX	2014
Outstanding Obstetrics and Gyencology Resident Award Department of Obstetrics and Gynecology University of North Texas Health Sciences Center, Fort Worth, TX	2012
Outstanding Resident in Obstetrics and Gynecology Southwestern Gyenecologic Assembly, Dallas, TX	2011
Western Society for Pediatric Research Subspecialty Award for Abstract Titled "Witnessing intimate partner violence as a child does not increase the likelihood of becoming an adult intimate partner violence victim." Western Student Medical Research Forum, Carmel, CA.	2007

Publications

Combs SM, Felini M, Hicks C, Donaldson K, Cochrane C, Shillington A. Adverse outcomes from vaginal delivery during immersion in water versus tradition vaginal delivery. Abstracted in Obstetrics and Gynecology. 2016; 127:33S

 Poster presentation at 64th Annual Clinical and Scientific Meeting of the American College of Obstetricians and Gynecologists

Ernst AA, Weiss SJ, Del Castillo C, Aagaard J, Marvez-Valls E, D'Angelo J, **Combs S**, Feuchter A, Hegyi M, Clark R, Coffman B. Witnessing intimate partner violence as a child does not increase the likelihood of becoming an adult intimate partner violence victim. Academic Emergency Medicine. 2007; 14:411-418.

- Presented at 50th Annual NM Academy of Family Physicians Family Medicine Seminar 7/2007
- Research presented at Western Student Medical Research Forum 2007
- Research presented at Society of Academic Emergency Medicine Annual Meeting 2006

Ernst AA, Weiss SJ, Del Castillo C, Aagaard J, Marvez-Valls E, D'Angelo J, Combs S, Feuchter A, Hegyi M, Clark R, Coffman B. Witnessing intimate partner violence as a child does not increase the likelihood of becoming an adult intimate partner violence victim. Abstracted in Academic Emergency Medicine, 2006; 13: S9.

Research Activities

Adverse Outcomes from vaginal delivery during immersion in water versus traditional vaginal delivery-2014-2016

Experiences, Practices, Attitudes, and barriers related to Intimate partner violence (IPV) Screening Among Obstetrician and Gynecologist Physicians and Residents-A survey of practicing obstetricians and gynecologists in the state of Texas-2012

Pitocin Usage at a County Hospital-based Residency Training Program- A Retrospective Chart Review-2010

A Study of the Maternal and Perinatal Outcomes Associated with a Trial of Labor after a Prior Cesarean Section at a County Hospital-based Residency Training Program- A Retrospective Chart Review-2009

Activities and Professional Memberships

Fellow, American College of Obstetricians and Gynecologists -Congressional Leadership Conference, Attendee	2008-Present March 2014, 2015, 2016
-Program Representative to ACOG District XI	2010-2012
-ACOG Resident Reporter to the 59th Annual Clinical Meeting	May 2011
Member, American Medical Association	2004-Present
-TMA Committee on Reproductive, Women's and Perinatal Health, Chair	2016-Present
-TMA Committee on Maternal and Perinatal Health, Vice Chair	2014-2016
-TMA Committee on Reproductive, Women's and Perinatal Health	2013-Present
1	
-Regional Delegate, AMA House of Delegates	2006
-Delegate, AMA-Medical Student Section House of Delegates	2005
-Delegate, New Mexico Medical Society House of Delegates	2005
-Student Board Member, New Mexico Medical Foundation	2005-2006
Member, Ob/Gyn Quality Review Committee, Texas Health Harris Methodist Hospital Fort Worth	2016-Present

Member, UNTHSC Academy of Medical Educators	2016-Present
Advisor, UNTHSC Advisory College	2016-Present
Member, Texas Legislature's Task Force on Domestic Violence	2014-2016
Member, Tarrant County Fetal Infant Mortality Review-Community Review Team	2013-Present
Member, Residency Clinical Competency Committee, Obstetrics and Gynecology Residency Program, John Peter Smith Hospital	2014-Present
Member, Credentials Committee, University of North Texas Health Sciences Center	2014-2016
Member, Interconception Care Advisory Committee, University of North Texas Health Sciences Center	2012-2014
Member, Biomedical Ethics Committee University of New Mexico Hospital	2006-2008

Presentations

Initial Pregnancy Assessment and Management

Second Year Medical Student Didactics, UNTHSC, 2017

Ob/Gyn clerkship didactics

UNTHSC, 2016-Present

Postpartum Depression

2016 Primary Care Summit, UNTHC 2016

Teen Pregnancy

Women's Health Week, UNTHSC 2016

How to prevent, "I'm pregnant, so now what?" Use of reproductive life plans in practice 14th Annual Infant Health Summit, Hurst, TX 2015

Adolescent Gynecology

26th Annual Pelham P. Staples Symposium, Arlington, TX 2014

Documentation

Resident Didactics, John Peter Smith Hospital, 2014, 2015, 2016

Breast Disease: What the Gynecologist should know

Harris Methodist Fort Worth, Grand Rounds 2013

Postpartum depression

Tarrant County WIC staff training, 2013

Long-Acting Reversible Contraception

25th Annual Pelham P. Staples Symposium, Arlington, TX 2013

Harris Methodist Fort Worth, Grand Rounds 2013

Family Planning

Third Year Medical Student Clerkship Didactics, UNTHSC 2013-2016

Termination of Pregnancy, Endometrial Biopsy, Wet Prep, LARC

Fourth Year Medical Student Boot Camp Didactic, UNTHSC 2013-Present

Intimate Partner Violence and Sexual Assault

Third Year Medical Student Clerkship Didactics, UNTHSC 2012-2016

Intimate Partner Violence and Sexual Coercion

Resident Didactics, John Peter Smith Hospital, 2012

Experiences, Practices, Attitudes, and barriers related to Intimate partner violence (IPV)

Screening Among Obstetrician and Gynecologist Physicians and Residents

Resident Research Day, John Peter Smith Hospital, 2012

UNTHSC RAD, Poster presentation, 2012

Management of Miscarriage

Resident Didactics, John Peter Smith Hospital 2011

The Breast

Resident Didactics, John Peter Smith Hospital 2011

Fetal Health and Assessment

Resident Didactics, John Peter Smith Hospital 2010

Obstetrical Case Presentation

Harris Methodist Fort Worth, Grand Rounds, 2010

Case Report: Postoperative Bleeding

Harris Methodist Fort Worth, Grand Rounds, 2010

Cervical Ripening

Resident Didactics, John Peter Smith Hospital, 2010

A Chart Review of Pitocin Usage at a County Hospital-based Residency Training Program

Resident Research Day, John Peter Smith Hospital, 2010

A Study of the Maternal and Perinatal Outcomes Associated with a Trial of Labor after a Prior Cesarean Section at a County Hospital-based Residency Training Program- A Retrospective Chart Review 2008

Resident Research Day, John Peter Smith Hospital, 2009

Case Report: Complete Hydatidiform Mole with Co-existing Live Fetus

Resident Didactics, John Peter Smith Hospital, 2008

Vaginal Birth After Cesarean Section

Resident Didactics, John Peter Smith Hospital, 2008

CURRICULUM VITAE 2017

PERSONAL DATA:

Courtney Maurice Crawford, M.D.

Vitreoretinal Surgeon North Texas Retina Consultants 101 Chuckwagon Trail Willow Park, TX 76087

Home Address:

10808 Hawkins Home Blvd Benbrook, TX 76126 <u>courtneymcrawford@gmail.com</u> (202) 431-7766

EDUCATION:

UNDERGRADUATE: Washington University in St. Louis

Major(s): Biology, Spanish, May 2000

GRADUATE: U.S. Fulbright Fellowship

Panama City, Panama, 2000-2001

MEDICAL SCHOOL: Michigan State University

College of Human Medicine Doctor of Medicine, August 2005

PROFESSIONAL TRAINING:

FELLOWSHIP: Vitreoretinal Surgery, Tufts/OCB, July 2014-June 2016

RESIDENCY: Ophthalmology, Madigan Army Medical Center, July 2008-June 2011 INTERNSHIP: Transitional Intern, Madigan Army Medical Center, July 2005-June 2006

LICENSURE AND SPECIALTY BOARD:

BOARD CERTIFICATION: American Board of Ophthalmology, November 2012

STATE LICENSE: Texas #51239

ACADEMIC POSITIONS:

Board Examiner, American Board of Ophthalmology Assistant Professor of Surgery, F. Edward Hebert School of Medicine, USUHS Community Faculty, Vanderbilt School of Medicine, Vanderbilt Eye Institute

EMPLOYMENT HISTORY:

August 2016-Present Associate, North Texas Retina Consultants July 2014-June 2016 Fellow, Vitreoretinal Surgery, Tufts/OCB

January 2012-June 2014 Chief, Ophthalmology, Blanchfield Army Hospital August 2011-December 2011 Chief, Refractive Surgery, Blanchfield Army Hospital

July 2010-June 2011 Chief Resident, Madigan Army Medical Center July 2008-June 2010 Resident, Madigan Army Medical Center August 2006-June 2008 Chief, Physical Exams, Pentagon Health Clinic

July 2005-June 2006 Intern, Madigan Army Medical Center

HONORS AND RECOGNITION:

2017 ASRS Education Committee member

2016 Examiner, American Board of Ophthalmology

2014 Meritorious Service Medal (9 years Active Duty service, rank of Major)

2014 America's Top Ophthalmologist: Consumers' Research Council of America

2014 Who's Who in America: Marquis, accepted for year 2015

2013 Fellow, American College of Surgeons

2012 Diplomat, American Board of Ophthalmology

2011 Army Commendation Medal with two oak leaf clusters

2008 Army Commendation Medal with two oak leaf clusters

2008 White House Social Aide, Washington, DC

2005 W. Donald Weston Award for Academic Excellence

2005 Class Keynote Speaker, White Coat Ceremony, Michigan State University

2004 Flint Hospital's Staff Award for Community Leadership

2004 N. Kagan Scholarship for Doctor-Patient Relationship

2002 President, Student National Medical Association, MSU chapter

2002 National Board of Directors, Student National Medical Association

2001 Health Professions Scholarship Recipient (U.S. Army)

2000 Student Commencement Speaker, Washington University in St. Louis

1999 Mellon Undergraduate Research Fellowship, Washington University in St. Louis

1997 John B. Ervin Full-Tuition Scholarship, Washington University in St. Louis

CONSULTANT

Angiogenesis Foundation, Consultant

Editorial Board

Editorial Board Member, Journal of Clinical Research and Ophthalmology

Editorial Board Member, The Scientific Pages of Ophthalmology

Editorial Board Member, SM Journal of Case Reports

Editorial Board Member, Journal of Ophthalmic Diseases

PROFESSIONAL SOCIETIES:

American College of Surgeons (FACS) American Board of Ophthalmology American Society of Retinal Specialists American Academy of Ophthalmology Foundation Fighting Blindness

PUBLICATIONS:

- 1. **Crawford C**, Oshry L, Reichel E. Atypical Maculopathy in a Patient with Light Chain Deposition Disease Mimicking Advanced Geographic Atrophy. *Retinal Cases and Brief Reports*. 2016 Mar 1
- 2. Goldberg R, **Crawford C**, Heier J. Postoperative Hemorrhagic Occlusive Retinal Vasculitis A Form Fruste Variant? *Retinal Cases and Brief Reports*. 2016 Nov 1
- 3. Crawford CM, Igboeli OC. Acute Branch Retinal Artery Occlusion and OCT Angiography Imaging. *Int J Open Access Ophthal* 1(2): 2. 2016 Dec
- 4. Crawford CM, Igboeli OC. Unilateral Choroidal Osteoma with evidence of Choroidal Neovascularization based on OCT Angiography. *JSM Ophthalmology*. 2017 Jan
- 5. Crawford CM, Hwang Y. Primary Retinal Vasculitis Vs Eales' Disease. *Int J Open Access Ophthal* 1(3):3. 2016 Dec
- 6. Crawford C, Hwang Y, Wesley T. Characteristics of Late Onset Retinal Degeneration. Advances in Ophthalmology and Visual Systems. 2017
- 7. Crawford C. Clover-Leaf Vision: Persistent Placoid Maculopathy. Journal of Ophthalmic Diseases. JOD-16-CR-104, 2017
- 8. Angiogenesis Foundation, **Crawford C**. Diabetic Macular Edema: Massive Open Online Course (MOOC), Module 1-10. Publication Aug. 2015
- 9. Munson P, Nelson M, **Crawford C**, Young P, Rivers B. Use of Intravitreal Triamcinolone for the treatment of Optic Nerve Edema in a patient with Acute Retinal Necrosis. Case Report. *Retinal Cases and Brief Reports.* 2015 Spring, Vol 9 p102-103
- 10. Angiogenesis Foundation, **Crawford C**. White Paper Report for US National Multistakeholder Summit on Diabetes and Vision Loss. June 2015
- 11. de Carlo T, Chin T, Bonini M, Adhi M, Salz D, **Crawford C**, Reichel R, Baumal C, Witkin A, Duker J, Waheed N. Detection of Early Microvascular Changes in Diabetes Eyes without

Clinical Retinopathy Using Optical Coherence Tomography Angiography. *Retina* November 2015

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- 12. Waheed N, **Crawford C**, Foster S. "Melanoma Iris" eMedicine September 2014. http://www.emedicine.com/oph/topic405htm
- 13. Rivers B, **Crawford C**. Chorioretinal injury caused by Presumed Laser Dazzler. *Surgery Curr Res* 4:191. 29Apr. 2014
- 14. **Crawford C**, Igboeli O, Nelson M. Inflammation and the White Dot Syndromes: Review Article. *International Journal of Inflammation*. 2013 Oct 31;2013:783190
- 15. **Crawford C**. Retinitis Pigmentosa and Granular Dystrophy: a rare and unique combination in one patient. *Binocul Vis and Strabismus Q Simms Romano*. 2013:28:36-38.
- 16. **Crawford C**, Rivers B, Nelson M. Acute zonal occult outer retinopathy: vision loss in an active duty soldier. *Case Reports in Medicine*. 2013;2013:240607.
- 17. **Crawford C**, Ainbinder D, Rivers B, Winegerd M, Torres M, George R, Davis R, Dent A. Systemic absorption of mitomycin-c when used in refractive surgery. *Journal of Cataract & Refractive Surgery*. 2013 Feb;39(2):193-6
 - * Fox C. MMC undetectable in plasma of PRK patients. Ocular Surgery News. 2013Apr13
- 18. **Crawford C**, Mazzoli R. Subperiosteal hematoma in multiple settings: Case report series. *Digital Journal of Ophthalmology/Harvard MEEI*. 2013 Jan;19(1)
- 19. **Crawford C**, Grazko M, Raymond W, Rivers B, Munson P. Retrobulbar Optic Neuritis and the Live Attenuated Influenza Vaccine. Letter to the Editor. *Journal of Pediatric Ophthalmology & Strabismus*. 2013 Jan/Feb;50(1):61
- 20. **Crawford CM**, Grazko MB, Raymond IV WR, Rivers BA, Munson PD. Reversible Blindness in Bilateral Optic Neuritis Associated with Nasal Flu Vaccine. *Binocul Vis Strabismus* Q Simms Romano 2012; 27:171-173
- 21. **Crawford C**, Frazier T, Arnold R, Torres M, Mazzoli R, Raymond W. Pediatric PRK for Anisometropia and Amblyopia. *Binocul Vis and Strabismus* Q Simms R. 2012;27(4):143-4
- 22. **Crawford C**, Fernelius C, Young P, Groo S, Ainbinder D. Application of the AJCC 7th edition carcinoma of the eyelid staging system: a medical center pathology based, 15-year review. *Clinical Ophthalmology* 2011;5 1645-1648
- 23. Theeler BJ, Wilson DJ, **Crawford CM**, Grazko MB. Optic Neuropathy and a reversible splenial lesion after gastric bypass: A shared pathophysiology? *J Neurol Sci.* 2010 Apr 15;291(1-2):92-4.

RESEARCH - CLINICAL TRIALS

PRO-CON VGFTe-AMD-1507- A Prospective, Single-Blind, Randomized Study to Evaluate Intravitreal Aflibercept Injection (IAI) versus Sham as PROphylaxis against CONversion to Neovascular Age-Related Macular Degeneration (AMD) in High-Risk Eyes (PRO-CON)

Principal Investigator

FILLY - POT-CP121614- A Phase II, Multicenter, Randomized, Single-Masked, Sham-Controlled Study of Safety, Tolerability and Evidence of Activity of Intravitreal APL-2 Therapy in Patients Geographic Atrophy (GA)

Principal Investigator

CAPELLA - R2176-3-AMD-1417- A Phase 2, Double-Masked, Randomized, Controlled, Multiple-Dose, Regimen-Ranging Study of the Efficacy and Safety of Intravitreal REGN2176-3 in Patients with Neovascular Age-Related Macular Degeneration

Principal Investigator

VIDI 8232-CL-3001- A Phase 2, Double-Masked, Randomized, Active Controlled Study to Evaluate the Efficacy and Safety of ASP8232 in Reducing Central Retinal Thickness in Subjects with Diabetic Macular Edema

Principal Investigator

OPH1004 - A Phase 3, Randomized, Double-Masked, Controlled Trial to Establish the Safety Principal Investigator and Efficacy of Intravitreous Administration of Fovista® (anti PDGF-B Pegylated Aptamer) Administered in Combination with either Avastin® or Eylea® compared to Avastin® or Eylea® monotherapy in subjects with subfoveal neovascular age-related macular degeneration

OPH1005 - Sub-Retinal Fibrosis in Neovascular AMD: A 24 Month Phase 2a Open Label Safety Study of FovistaTM (Anti-PDGF-BB pegylated aptamer) Regimen administered independently or in combination with anti-VEGF Therapy (AVASTIN®, or EYLEA®) During the Induction and Maintenance Phases of Therapy

Principal Investigator

OPH1006 - Effect of Anti-VEGF Agents Administered on a Quarterly Maintenance Regimen Principal Investigator in Neovascular AMD Subjects Receiving Anti-PDGF Therapy: An 18 month Phase 2a Open Label, Randomized Study of Avastin®, Lucentis®, or Eylea® (anti-VEGF therapy) Administered in Combination with Fovista® (Anti-PDGF-BB pegylated aptamer) in Neovascular AMD Subjects

CHROMA GX29176 - A Phase III, Multicenter, Randomized, Double-Masked, Sham-Controlled Study To Assess The Efficacy And Safety Of Lampalizumab Administered Intravitreally To Patients With Geographic Atrophy Secondary To Age-Related Macular Degeneration

Principal Investigator

STOMP-CSC – Short-Term Oral Mifepristone for Central Serous Chorioretinopthy: A Placebo-controlled Dose Ranging Study of Mifepristone in the Treatment of CSC

COURTNEY CRAWFORD, MD, FACS

Principal Investigator

Principal Investigator

VMA-001 – A Safety and Efficacy Assessment of Resolvine® for Treatment of Vitreomacular Attachment

Principal Investigator

OPH1002 – A Phase 3, Randomized, Double-Masked, Controlled Trial to Establish the Safety and Efficacy of Intravitreous Administration of Fovista[™] (anti PDGF-B Pegylated Aptamer) Administered in Combination with Lucentis® Compared to Lucentis® Monotherapy in Subjects with Subfoveal Neovascular Age-Related Macular Degeneration

Principal Investigator

MAHALO EXT – A Phase Ib/II, Multicenter, Randomized, Single-Masked, Sham Injection Controlled Study Of Safety, Tolerability And Evidence of Activity Of FCFD4514G Intravitreal Injections Administered Monthly Or Bi-Monthly To Subjects with GA

Principal Investigator

PRESENTATIONS - INTERNATIONAL AND NATIONAL MEETINGS:

ORBIT - TG-MV-018 Ocriplasmin Research to Better Inform Treatment

Crawford C, Nelson M, Munson P. "Use of Intravitreal Triamcinolone for the treatment of Optic Nerve Edema in a patient with Acute Retinal Necrosis". Accepted for Poster Presentation. American Society of Retinal Specialists (ASRS) National Meeting, Toronto Canada, August 24-28, 2013

Crawford C, Thordsen J, Nelson M, Rivers B. "U.S. Active Duty Soldier and Chorioretinal injury caused by the Dazzler Laser". Accepted for Poster Presentation. American Society of Retinal Specialists (ASRS) National Meeting, Toronto Canada, August 24-28, 2013.

Crawford CM, Grazko MB. "Bilateral Blindness and Optic Neurits following Influenza Vaccination." Pediatric Winter Conference, Madigan Army Medical Center, Tacoma, WA. February 14, 2010.

Crawford, CM, Grazko MB. "Bilateral Blindness and Optic Neurits following Influenza Vaccination." Rabb Venable Ophthalmology Competition. Annual National Medical Association meeting, Washington, DC. July 28-30, 2010.

Crawford CM, Raymond WR, Torres MF, Frazier TC. "Case Report: Pediatric PRK for Anisometropia and Dense Amblyopia." Rabb Venable Ophthalmology Competition. Annual National Medical Association meeting, Las Vegas, NV. July 25-28, 2009.

Crawford CM, Mendoza E. Hospital Quality Analysis of Panama and Cuba: Through the Patients' Eyes, Panamanian vs. Cuban Patients. Presentation for the Fulbright Fellowship Thesis Symposium at the U.S. Embassy of Panama, Ministry of Health of Panama and University of Panama Medical School, Panama City, Panama. May 15-17, 2001.

Crawford CM, Mendoza E. Malaria Epidemic in Panama: Rapid Malaria Testing in Rural

Panama. Podium Presentation for the University of Panama Medical School Research Conference, Panama City, Panama. December 12, 2000.

CERTIFICATIONS:

Phakic IOL/Visian ICL Certification IntraLase FS LASIK Certification Wavelight Allegretto Excimer Laser Certification

SURGICAL EYE MISSIONS: Accra, Ghana, April 2016 Choluteca, Honduras, May 2014 Tanzania, Africa, February 2012 Malawi, Africa, May 2011 Santo Domingo, Dominican Republic, July 2010

HOBBIES/INTERESTS:

Family Time (wife & 2 daughters), Spanish Speaker (fluent), Violinist, Vocal Performer, Public Speaker, College Varsity Ice Hockey, Golf

Chase Crossno

ccrossno@bu.edu | (512) 809-9325

PROFESSIONAL PROFILE

Artist and public health professional, passionate about engaging individuals and communities in challenging conversations to promote self-efficacy, positive social engagement and collective cultural consciousness.

Extensive work experience in facilitation, training, and public speaking skills.

SKILLS & SPECIALTIES

Monitoring & evaluation
Program design & implementation
Curriculum development
Public Speaking

Facilitation
Focus Groups
Logic Models
Community Outreach

Theatre & Performance
Intersectionality
Social justice
Science communication

EDUCATION –

Master of Public Health

Concentration in Global Health, emphasis area in Sex, Sexuality, Gender & Health
Boston University | Boston, MA
Recipient of the John Snow, Inc. Award in Global Health

Bachelor of Arts in Anthropology & Bachelor of Arts in Theatre & Dance

The University of Texas at Austin | Austin, TX magna cum laude

PROFESSIONAL EXPERIENCE

Communication Training Consultant

January 2017 – Present

Boston University - Clinical & Translational Science Institute | Boston, MA

- Plan, organize, conduct and evaluate trainings for clinical researchers, physicians and administrators to support the development of communication about research that is relevant and meaningful to the community.
- Analyze evaluation data and summarize training experiences to support academic.

Learning & Development Manager

January 2017 - Present

Boston University – School of Public Health | Boston, MA

- Conducting needs assessments and provide consultation on translation initiatives that support the effective transmission of research and scholarship.
- Support organizational and team effectiveness, faculty and staff development, and a culture of diversity and inclusion.
- Provide coaching and guidance to faculty and staff on translation initiatives, lifelong learning, diversity and inclusion, and science communication.

Program Manager of Graduate Student Life

. November 2013 – January 2017

Boston University – School of Public Health | Boston, MA

- Coordinate and collaborate with internal University and School departments and external community partners to enhance and develop diversity and inclusion initiatives at the School.
- Cultivate and maintain positive relationships with University resources including Health Services, Student Financial Services, ISSO, TransComm and Public Safety to provide students access to University information.
- Implement an annual community outreach plan with external community leaders and organizations to plan, create, and execute outreach program activities.

Graduate Teaching Assistant

September 2014 – May 2016

Boston University – School of Public Health | Boston, MA

• Assist instructors with all aspects of course management. Courses include: Gender, Sexuality, Power & Inequity; The Global Impact of AIDS; and Leading to Face Challenges and Achieve Results in Public Health

Chase Crossno

ccrossno@bu.edu | (512) 809-9325

Peer Educator August 2014 – May 2015

Boston University – Sexual Assault Response & Prevention Center | Boston, MA

Facilitate bystander intervention training program to student leaders and athletes at Boston University.

Student Services Coordinator

August 2012 – November 2013

Boston University – Distance Education | Boston, MA

- Provided training for instructors and students on how to use features of our online learning management system, as well as provides guidance on ways to effectively communicate via online interface.
- Collaborated with the Registrar, Financial Aid, and other BU Departments to provide administrative support for distance education students and staff.
- Promoted from Administrative Coordinator after one year.

AIDS SERVICES OF AUSTIN | Austin, TX

Prevention Services & Testing Coordinator

April 2011 – June 2012

- Supervised and trained Testing and Linkage to Care staff.
- Directed on- and off-site HIV testing events in collaboration with community partners to strengthen relationships and engage stakeholders.
- Developed policies and procedures for ASA's Testing and Linkage to Care program resulting in the effective delivery of HIV testing in non-traditional locations, such as bars, adult viewing rooms, and bathhouses.

HIV Prevention Program Specialist

February 2010 – April 2011

- Implemented HIV/AIDS and STI prevention outreach strategies using evidence-based interventions and harm reduction materials within high-risk populations.
- Conducted educational and training workshops and presentations.
- Provided comprehensive HIV testing and counseling services.

Reproductive Health Specialist

February 2008 – December 2008

Planned Parenthood | Austin, TX

• Counseled clients about a wide variety of reproductive health concerns and assisted in the provision of sexual and reproductive health care.

- INTERNATIONAL EXPERIENCE —

HIV/STI Educator New Start: Namibia | Oshikango, Namibia

January 2009 - May 2009

• Conceptualized and produced public health education programs within the local community using my background in theatre and arts to enhance audience engagement.

Fundraiser, January 2009 – May 2009

Tate Tuukata (Orphans & Vulnerable Children) | Oshikango, Namibia

 Raised and managed funds for projects supporting orphans and vulnerable children in Oshikango and surrounding villages; and advocated community support for this organization through public outreach programs.

Volunteer Teacher,

December 2006 - December 2007

Worldteach | Odibo, Namibia

Provided HIV/AIDS education and taught high school level Physics, Chemistry, and Biology in addition to
developing various extracurricular activities for students – including a women's yoga group, an arts society,
and coaching a soccer team.

OTHER RELEVANT INTERESTS AND EXPERIENCE

Co-founder of Paper Chairs Theatre Co. in Austin, TX; Advisor to Arts | LAB @ MED Campus at Boston University; Advisor to the Harvard School of Education Diversity & Inclusion Theatre Project; trained in science communication by the Alan Alda Center for Communicating Science.

VITA

1. **NAME:** Marlyn (Lyn) Dart

2. EDUCATIONAL BACKGROUND AFTER HIGH SCHOOL:

2001 Texas Woman's University PhD

Major: Nutrition

1994 Texas Woman's University MS

Major: Nutrition

1980 Texas Woman's University BS

Major: Clinical Dietetics

3. FORMAL CONTINUING EDUCATION ASSOCIATED WITH PROFESSIONIAL DEVELOPMENT:

A minimum of 75 hours of continuing education (approved by the American Dietetic Association) is required each five-year period to maintain status as a Registered Dietitian, and a minimum of 12 hours is required for each two-year period to maintain status as a Licensed Dietitian (see #5). Continuing education hours have been acquired through (1) development of curricular / instructional materials; (2) attendance at meetings / workshops at local, state, and national professional organizations; (3) oral and exhibit presentations at local, state, and national professional meetings; and (4) research related to publication of peer-reviewed articles in professional journals. (See following categories for professional development and continuing education).

4. PROFESSIONAL LICENSURE:

Registered Dietitian (RD): Number R-571321, since 1980

Licensed Dietitian (LD) in the State of Texas: Number DT06984, since 1982

5. **PRESENT RANK:** Associate Professor

6. YEAR OF APPOINTMENT TO THE UNIVERSITY, AND RANK:

2001 Lecturer

2002 Assistant Professor

2008 Associate Professor

7. YEAR OF LAST PROMOTION: 2008

8. PREVIOUS TEACHING AND/OR RESEARCH APPOINTMENTS, OTHER THAN AT TCU:

2000-2001 Graduate Research and Teaching Assistant

Department of Nutrition and Food Sciences Texas Woman's University, Denton, Texas

Responsibilities included developing an animal model, research design, quality control of animal lab, training doctoral and master's level students for animal research, technical and analytical procedures, and statistical analysis of data. Technical and laboratory applications included reproductive cytology, radioimmunoassay (RIA) and enzyme assay

(ELISA) techniques, radioisotope tracer methodology, absorption spectrophotometry, and dual energy x-ray absorptiometry (DXA).

1992-1994 Research Dietitian

"The Autistic Syndrome: A Nutritional Immunologic Profile in a Group of Children Satisfying the DSM-III-R Criteria for Autism".

DFW Associates, Grapevine, Texas

Responsibilities included developing protocol for research design, immunologic screening and nutritional assessment, computerized diet analysis and compiling statistical data, teaching weekly family sessions and nutrition counseling for children diagnosed with Autism.

1980-1982 Clinical Dietitian

Environmental Health Center, Dallas, Texas

Responsibilities included teaching nutrition and dietary concepts for environmentally compromised and allergic populations/individuals, training personnel for assessing and consulting the environmentally exposed and allergic patient, and developing educational materials and handouts.

9. PREVIOUS PROFESSIONAL POSITIONS (OTHER THAN THOSE LISTED IN 9):

1986-1994 <u>Nutrition Consultant – Private Practice</u>

Coppell, Texas

Full and part-time consulting services for local physicians, including Family Practice, and Allergy and Immune Dysfunction. Consultation profiles included maternal and infant nutrition, hypertension and cardiovascular disease, digestive disorders, hypoglycemia and diabetes, immune-compromised disorders, and pediatric development disorders.

1984-1986 Director of Operations

Espirit de Cure, Dallas, Texas

Responsibilities included management of retail and wholesale business activities to provide professional services and environmental support products for patient population and general public. Professional services included nutrition consultation and a licensed pharmacy specializing in hypoallergenic compounding. Experience included developing and implementing business objectives, coordinating professional and non-professional staff, and public education.

1982-1984 <u>Director – Nutrition Depar</u>tment

Environmental Health Center

Dallas, Texas

Department objectives included patient care and nutrition education. Experience included developing and coordinating department goals, protocol/guidelines, and educational materials; nutrition consultation and education for out-patient clinic and in-patient hospital unit; recruitment and training of Registered and Licensed Dietitians; and supervision of marketing hypoallergenic and chemical-free support products.

10. EXTERNAL GRANTS SOUGHT:

Diabetes Screening and Management. 2017 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2016: \$206,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Diabetes Screening and Management. 2016 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2015: \$215,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Diabetes Screening and Management. 2015 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2015: \$215,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Workforce Enhancement in Healthy Aging and Independent Living (WE HAIL). Submitted to the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), Spring 2015: \$850,000 annually (\$2,550,000 July 1, 2015-June 30, 2018). University of North Texas Health Science Center (UNTHSC), Tarrant County Hospital District doing business as JPS Health Network (JPS), the United Way of Metropolitan Tarrant County Area Agency on Aging (AAATC) and Texas Christian University (Harris College of Nursing and Health Sciences and College of Science and Engineering, Department of Nutritional Sciences). Lyn Dart PhD RD LD (Role: Nutrition and Dietetics Consultant and Student Supervisor). (Funded).

Diabetes Screening and Management. 2014 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2014: \$215,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Diabetes Screening and Intervention. 2013 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2013: \$215,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Reynolds Interprofessional Geriatrics Education and Training in Texas (IGET-IT) Program. Submitted to Donald W. Reynolds Foundation for the NEXT STEPS II program, \$999,857.00 funded July 1, 2013 – June 30, 2017. The University of North Texas health Science Center (UNTHSC), Texas College of Osteopathic Medicine (TCOM), UNT System College of Pharmacy, UNTHSC School of Health Professions and Texas Christian University's Harris College of Nursing and Health Sciences and College of Science and Engineering, Department of Nutritional Sciences. Lyn Dart PhD RD LD (Role: Faculty and Dietetics Consultant and Student Supervisor). (Funded).

Diabetes Screening and Intervention. 2012 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2012: \$200,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor) (Funded).

Improving Healthy Food Access: Community Action to Prevent Childhood Obesity. Agriculture

and Food Research Initiative Competitive Grants Program: Childhood Obesity Prevention Challenge Area. Submitted to the U.S. Department of Agriculture and National Institute of Food and Agriculture, Spring 2011: \$250, 311. Lyn Dart PhD RD LD, Role: TCU Principal Investigator, David Aftandilian PhD, TCU co-Principal Investigator. Grant collaboration with UNT Health Science Center, Texas Prevention Institute. (Not Funded).

Diabetes Screening and Intervention. 2011 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2011: \$150,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor). (Funded).

Balancing Food and Play. 2011 Dannon Next Generation Nutrition Grant. Submitted to The Dannon Company, Inc. Spring 2011: \$30,000. Texas A&M Research Foundation, Texas AgriLife Extension, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant). (Funded).

Diabetes Screening and Intervention. 2010 Health Initiative - Healthy Aging and Independent Living Grant. Submitted to The United Way of Tarrant County, Spring 2010: \$50,000. Meals on Wheels, Inc. of Tarrant County, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant and Dietetics Student Supervisor). (Funded).

Helping Children Eat Healthier in the Communities That We Call Home. 2010 Dannon Next Generation Nutrition Grant. Submitted to The Dannon Company, Inc. Spring 2010: \$30,000. Tarrant Area Food Bank, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant). (Funded).

TCMGA Community/Demonstration Garden at the Resource Connection. 2009 Gardenburger Community Garden Grants. Submitted to Hunter Public Relations, N.Y., Spring 2009: \$10,000. Tarrant County Master Gardeners; Lyn Dart PhD RD LD (Role: Co-investigator). (Not Funded). Operation Frontline - Young Families Initiative. 2009 Dannon Next Generation Nutrition Grant. Submitted to The Dannon Company, Inc. Spring 2009: \$30,000. Tarrant Area Food Bank, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant). (Funded, 2009-2010).

Helping Children to Eat Healthier in the Communities We Call Home. 2009 Dannon Next Generation Nutrition Grant. Submitted to The Dannon Company, Inc. Spring 2009: \$30,000. Texas A&M Research Foundation, Texas AgriLife Extension, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant). (Not Funded).

Developing a Children's Learning and Demonstration Garden. Submitted to the National Gardening Association, Healthy Sprouts Awards – Supporting Awareness of Nutrition and Hunger, October 2008: \$2,000. Lyn Dart, PhD, RD, LD (Role: Co-Investigator); Pat Higgins, Texas Master Gardener (Principal Investigator). (Not Funded).

Operation Frontline - Young Families Initiative. 2008 Dannon Next Generation Nutrition Grant. Submitted to The Dannon Company, Inc. Spring 2008: \$30,000. Tarrant Area Food Bank, Lyn Dart PhD RD LD (Role: Nutrition Program Consultant). (Not Funded).

Eating Well-Together. Submitted to The Dannon Company, Inc., Fall 2006: \$28,760. Big Brothers Big Sisters of North Texas, Lyn Dart, PhD, RD, LD (Role: Nutrition Program Consultant, Curriculum Developed). (Funded, 2007).

Healthy Weigh /El Camino Saludable - Obesity Prevention and Intervention — Phase 3. United Way of Metropolitan Tarrant County, April 2005, \$35,000. Pamela Frable ND RN, Principal Investigator, Lyn Dart PhD, RD, LD, Role: Co-Principal Investigator. (Not Funded).

Healthy Weigh /El Camino Saludable - Obesity Prevention and Intervention - Phase 2. United Way of Metropolitan Tarrant County, March 2004, \$55,036. Pamela Frable ND RN, Principal Investigator, Lyn Dart PhD, RD, LD, Role: Co-Principal Investigator. (Funded, 2004)

Healthy Weigh /El Camino Saludable - Obesity Prevention and Intervention (in collaboration with Tarrant County Health Department). Steps to a Healthier U.S. Initiative - Centers for Disease Control and Prevention, USA, July 2003, \$174,936.Pat Bradley, DNS RN, Principal Investigator, Pamela Frable ND RN, Co-Principal Investigator, Lyn Dart PhD, RD, LD, Role: Co-Investigator. (Not Funded).

The Relationship Between Lifestyle Practices, Food Choices and the Prevalence of Obesity in Adult Male and Female Emirati. Zayed University (Abu Dhabi, United Arab Emirates), January, 2003, \$25,000. Anna Mudukuti, PhD, Principal Investigator; Lyn Dart, PhD, RD, LD, Role: Research Consultant and Dietitian. (Not Funded)

Healthy Weigh /El Camino Saludable - Obesity Prevention and Intervention - Phase 1. United Way of Metropolitan Tarrant County, March 2003, \$73,380.76.Pat Bradley, DNS RN, Principal Investigator, Pamela Frable ND RN, Co-Principal Investigator, Lyn Dart PhD, RD, LD, Role: Co-Investigator. (Funded, 2003)

Nutrition Intervention and Support for Family and Caregivers of Care-recipients. Area Agency on Aging of Tarrant County (funding coordinator for the National Family Caregiver Support Program), 2001, \$15,306. Collaborative research with TCU Department of Nutritional Sciences and Senior Services of Greater Tarrant County. Lyn Dart, PhD, RD, LD, Role: Nutrition and Dietetics Consultant. (Funded, 2002).

11. INTERNAL GRANTS SOUGHT:

The effect of a high-protein compared to a high-monounsaturated fat meal on postprandial glucagon-like peptide 1, insulin, c-peptide, glucose, and glucagon responses in patients with type-2 diabetes. TCU Invest in Scholarship (IS), July 1, 2013 to May 31, 2014-2015: \$21,000. Meena Shah, PhD (Principal Investigator, Kinesiology), Melody Phillips, PhD (Co-Investigator, Kinesiology), Lyn Dart PhD RD LD (Co-Investigator, Nutritional Sciences). (Funded).

Gardening Initiative Addresses Community Food Security. TCU Center for Community Involvement and Service Learning, Service Learning Course Development Grant, October 2011-2012: \$1,000. Lyn Dart, PhD, RD, LD, Role: Principal Investigator (Funded, 2011).

TAFB Garden Program: Como Community Involvement & Service Learning. TCU Center for Community Involvement and Service Learning, Service Learning Course Development Grant, October 2010-2011: \$1,000. Lyn Dart, PhD, RD, LD, Role: Principal Investigator (Funded, 2010).

The Longhorn Ironman 70.3 Triathlon Study. Science and Engineering Research Center (SERC) Undergraduate Research Grant Program, Fall 2009: \$1278. Jenny Becker, Jenifer Gavia, Lyn Dart PhD, RD, LD (Role: Research Mentor). (Funded, 2009).

Tarrant Area Food Bank: Sustainable Food Systems for Partner Agencies. TCU Center for Community Involvement and Service Learning, Service Learning Course Development Grant, October 2009-2010: \$1,000. Lyn Dart, PhD, RD, LD, Role: Principal Investigator; Pamela Frable, ND, RN; Co-Investigator. (Funded, 2009).

Developing a Children's Learning and Demonstration Garden. TCU Green Campus Grant,

October, 2008: \$1,000; TCU Center for Community Involvement and Service Learning, October, 2008: \$1,000. Lyn Dart, PhD RD LD, Role: Principal Investigator (Nutritional Sciences); Pamela Frable, ND, RN (Harris College of Nursing and Health Sciences). (\$2,000 Funded, 2008-2009).

The Educated Citizen and Public Health Undergraduate Initiative: Undergraduate Curriculum Development Institute. TCU Instructional Development Fund, March, 2008: \$3,600. Pamela Frable, ND, RN.(Harris College of Nursing and Health Sciences); Lyn Dart PhD, RD, LD (Role: Dietetics Consultant); Donald Jackson JD, PhD; James Riddlesperger, PhD; Linda Martin RN, MSN, C-FNP. (Funded, Spring 2008).

The Educated Citizen and Public Health Undergraduate Initiative. TCU Pathways for Transformations Grant - White Paper, February 2008: \$25,000. Pamela Frable, ND, RN. (Harris College of Nursing and Health Sciences); Lyn Dart PhD, RD, LD (Role: Dietetics Consultant, Nutritional Sciences); Donald Jackson JD, PhD (Director of the Center for Civic Literacy); James Riddlesperger, PhD (Political Sciences); Linda Martin RN, MSN, C-FNP (Harris College of Nursing and Health Sciences). (Not Funded).

Tarrant County Resource Connection Demonstration Community Garden & Outreach. TCU Center for Service Learning, Service Learning Course Development Grant, November 2007: \$1,000. Lyn Dart, PhD, RD, LD, Role: Principal Investigator; Pamela Frable, ND, RN. (Funded, 2008).

Tarrant County Resource Connection Demonstration Community Garden & Family Outreach. TCU Center for Service Learning, Service Learning Course Development Grant, November 2007: \$1,000. Pamela Frable, ND, RN.; Lyn Dart, PhD, RD, LD, Role: Principal Investigator (Funded, 2008).

Ati Maternal and Child Nutrition Program. Science and Engineering Research Center (SERC) Undergraduate Research Grant Program, Summer 2007: \$4590. Amanda Holland, Lyn Dart PhD, RD, LD (Role: Research Mentor). (Funded, 2007).

Community Gardening for Active Citizenship. TCU Civic Literacy Center Collaborative Community-Based Grant, December 2006: \$5,000. Lyn Dart, PhD, RD, LD; Role: Co-Investigator; Pamela Frable, ND, RN; Judy Ketchum, Director of Resource Connection. (Funded, 2007).

Community Gardening for Active Citizenship: Evaluation by Journey Mapping. TCU Center for Service Learning, Service Learning Course Development Grant, December 2006: \$1,000. Lyn Dart, PhD, RD, LD; Role: Co-Investigator; Pamela Frable, ND, RN. (Funded, 2007).

Physical Fitness and Vigorous Physical Activity Patterns of University Students . Science and Engineering Research Center (SERC) Undergraduate Research Grant Program, Fall 2006: \$1155. McKale Davis, Trey Morrison, Shauna Cognata, Sally Hampton, MS, RD, LD, Lyn Dart PhD, RD, LD (Role: Research Mentor). (Funded, 2006).

BISD Kids in Action. Science and Engineering Research Center (SERC) Undergraduate Research Grant Program, Spring 2006: \$2040. Robin Cooley, Lindsey Willis, Judy Sargent, MS, RD, LD, Sally Hampton, MS, RD, LD, Lyn Dart PhD, RD, LD (Role: Research Mentor). (Funded, 2006).

Nursing, Nutrition, and Health Systems: The Chilean Experience. Submitted to TCU Instructional Development Fund March, 2005: \$3,000. Patricia Newcomb, PhD, RN, CPNP; Pamela Frable, ND, RN; Lyn Dart PhD, RD, LD, Role: Co-Investigator. (Funded, 2005).

12. GRADUATE THESES (RECITALS) AND DISSERTATIONS DIRECTED:

Bouza, B., 2013-2015, *Impact of Menu Labeling on Food Choices in Hispanic Adults*. TCU Thesis Committee: Dr. Meena Shah, Kinesiology; Dr. Joel Mitchell, Kinesiology; Dr. Melody Phillips, Kinesiology; Dr. Lyn Dart, Nutritional Sciences.

Franklin, B., 2013-2015, *The Effect of a High-Monounsaturated Fat Versus a High-Protein Meal on Postprandial Glucagon-Like Peptide-1 and Hormones that Control Blood Glucose Responses in Patients with Type-2 Diabetes or Pre-Diabetes*. TCU Thesis Committee: Dr. Meena Shah, Kinesiology; Dr. Joel Mitchell, Kinesiology; Dr. Melody Phillips, Kinesiology; Dr. Lyn Dart, Nutritional Sciences.

Crisp, K. *The Effect of Eating Speed on Gut Appetite Hormone Production and Prospective Food Consumption*. TCU Department of Kinesiology, 2013-2014. TCU Thesis Committee: Meena Shah, PhD (Kinesiology); Joel Mitchell, PhD. (Kinesiology); Melody Phillips, PhD. (Kinesiology); Lyn Dart, PhD RD LD (Nutritional Sciences).

James, A. *The Effect of Nutrition Knowledge on Fast-Food Menu Selection and Ad-libitum Energy Intake in Normal and Overweight/Obese Individuals*. TCU Department of Kinesiology, Fall 2011-Spring 2012; TCU Thesis Committee: Meena Shah, PhD (Kinesiology); Joel Mitchell, PhD. (Kinesiology); Lyn Dart, PhD RD LD (Nutritional Sciences).

Copeland, J. *The Effect of Eating Rate on Hunger, Satiety, Desire to Eat, Thirst, Palatability, and Ad-libitum Energy Intake in Normal Weight and Overweight or Obese Individuals: A Randomized Cross-Over Study.* TCU Department of Kinesiology, Spring 2011. TCU Thesis Committee: Meena Shah PhD (Kinesiology), Deborah Rhea, Ed.D. (Kinesiology), Lyn Dart PhD RD LD (Nutritional Sciences).

13. UNDERGRADUATE RESEARCH DIRECTED (see presented student research: Papers presented, participation on panels, etc., at scholarly meetings):

2016-2017

- The effect of nutrition education and sensory evaluation on preferences of peanut butter alternatives among college-age students. G. Carr and C. Galbreaith
- Female Menstrual Cycle and Chocolate Cravings in College-aged Health Professions Women. A. Schwartz and M. Knudsen
- Examination of Portion Sizes of Regular Cheese Pizzas from a Variety of Casual Restaurants in Fort Worth, TX. J. Clay, G. Niestrom, E. Owen and M. Simons.

2015-2016

- The Effect of Proposed Nutrition Facts Label Changes on Identification of Pertinent Nutrition Information Among Undergraduate Students. E. Bury, A. Conklin, E. Hannush.
- Culinary Medicine and a Multisite Longitudinal Study: Cooking for Health Optimization with Patients (CHOP). N. Bell, E. Schiesler, N. Sisk. (Sisk, Honors Research)
- Knowledge and Perception of Genetically Modified Organisms (GMO) Among College Students. R. Armstrong, A. Ayala, S. Zielke.
- Determination of the Types of Foods Advertised on Billboards in the Fort Worth Area. L. Clemence, G. McCarthy, L. Pyke, H. White.

2014-2015

• TCU Student's General Knowledge of Gluten and How Gluten Affects the Acceptability of a Food Product, R. Murrell, K. Meiresonne

- How Sweet It Is: Evaluating Qualities of Alternative Natural Sweeteners, L. McKee, D. Faris, A. Bradetich, K. Bertaut.
- TCU Foodies, J. Arnold, L. Riquelme

- Estimation of Plate Waste Among Third-Grade Students at W.A Porter Elementary and Birdville Elementary School, R. Bacopulos, C. Eli
- Comparison of Bagel Serving Size form Casual Dining Restaurants in Tarrant County Compared to USDA Recommended Serving Size, A. Knight, A. Speers
- Preferences for Total and Saturated Fat and Calorie-Modified Snack Bar Recipes Among Male and Female College Students, D. Sisto, T. Winsett
- Taste Buds: Sensory Evaluation of Vegan Cupcake, G. McBay

2011-2013

- Predictors of Food Label Use Among TCU College Students, N. Toomey
- Physical and Academic Performance and Healthy Living Practices Among ROTC Cadets, I.
 Dunn
- College Student's Knowledge About the Health Benefits of Fruits and Vegetables, C. Boes, C. Couper
- Prevalence of Anemia in a Sample Population of Female College Students, S. Scherer
- Preseason Workout Among Swimmers and Risk of Dehydration. T. Ramirez, Zrinka Korac.
- Customer Satisfaction and Opinion of New Cafeteria Serving Line at Shannon Learning Center, M. Armstrong.
- Depression and its Effect on Behavior Change in Meals On Wheel Clients, L. Ronning, C. Wilfley.
- The Effects of Ingredient Knowledge on Predetermined Opinions of Taste Regarding Baking Ingredients. C. Rowel
- Comparison of Daily Micro- and Macro-Nutrient intakes in Normal Weight and Overweight or Obese Individuals. K. Brown, J. Crane, K. Pelzel, B. Chatley, S. Mashni, J. Copeland, A. James.
- Caffeine Consumption Among College Students. A. Traylor, S. Summers.
- Comparative Analysis Increases Brewery Profits, N. Adams, M. Laws
- Influence of Parental Dietary Habits on Children's Eating Practices. M. Skertchly.

2010-2011

- Diabetes Screening Among Congregate Meal Program Participants. B. Knight, E. Plummer.
- Analysis of Dental Health Practices and Dietary Habits Between TCU Undergraduate Athletic and Non-Athletic Students and the Effect on Dental Health Status. L. Beck, B. Iannacone
- The Effects of Stress on Appetite and Food Intake Among College Students. A. Chapa.
- Comparison of Growth Standards Among Rural Dominican Republic Children. L. Mueller.

2009-2010

- Recipe Modification Improves Nutritional Content. N. Munch-Soegaard, C. Rudd.
- The Longhorn Ironman 70.3 Triathlon Case Study. J. Becker, J. Gavia.

2008-2009

- Behavioral Challenges for Sustainable Changes in Cardiac Rehabilitation. C. Strudwick, T.
 Larson
- Comparison of Nutritional Status Among Urban and Rural Guatemalan Children. C. Juaquin, P. Olivares
- Enhancing Health Profession Students' Skills in the Community. C. Munsell, B. Wascher.

- Nutritional Assessment of Rural Children in Chad, Africa. A. Holland
- School Physical Activity and Nutrition Assessment in Economically Diverse Children. H. Fleming, K. Rudd.
- Impact of a Campus-Wide Dining Program for Improving Healthy Menu Choices in University Students. E. Strong.
- Eating Habits and Fitness Levels of College Females. T. Fisher, B. Mincher.
- Marketing Strategies Include Food Preferences for Improving Hospital Cafeteria Sales. L. Pool, B. Romohr.
- Dietary Intake and Energy Level Among Female Soccer Players. A. Gross, C. Stephens.
- Gender Disparities Among Elderly Acute-Care Patients. C. Strange, S. Self
- Physical Fitness and Vigorous Physical Activity Patterns of University Students. M. Davis.
- Nutritional Assessment Among Female Athletes Participating on University Soccer Team. A. Gross, C. Stevens.
- Weigh to Go! J. Gitchell, A. Hicks, K. Glidden.

2005-2006

- Factors Affecting Students' Participation in School FoodService. L. Hominick, B. Meyer.
- Nutritional Risk and Overweight Among Independent Elderly Living in the Community. J. Stervinou.
- Teaching Young School-age Children How to Make Healthful Eating and Active Living Choices. K. Anderson, K. Maranto, K. Potysman.
- Marketing Strategies Include Nutrition Education to Improve Hospital Cafeteria Sales. M. Grinnan, S. Lewis.
- BISD Kids in Action. R. Cooley, L. Willis.

2004-2005

- Relationships Between Grain Intake and Self-reported Diabetes Status Among Participants in the Healthy Weigh/El camino saludable Program. J. Hill.
- School-based Program for Promoting Healthy Lifestyle Practices and Obesity Prevention. A. Bowden, A. Gilley, C. Stauffer.
- Nutrient Intake of Individuals with Alzheimer's Disease. S. Southall, R. Vest.
- Diet and Caries Prevalence in Rural Guatemalan Children, K. Kistler.

2003-2004

- Birdville Independent School District Healthy Lifestyle Program. A. Bowden, A. Gilley, C. Stauffer
- Family Patterns of Dietary Intake and Body Mass Index. E. Kaszynski, S. Wooldridge.
- Effects of a Steady Diet on Body Weight and Nutrient Intake for North American Black Bears. V. Hunter, E. Sullivan.
- Caloric and Macronutrient Requirements for the Captive Cheetah. J. Key, A. Longoria.
- The Healthy Weigh: Transforming Ways Students Understand Research. J. Hill, A. Morris.

2002-2003

- Body Composition Profiles of Overwieght and Obesity in Multiethnic Elderly Females. C. Huffman, K. Li, J. Mangelsdorf, B. Willman.
- Animal Nutrition at the Fort Worth Zoo. D. Sharkey, M. Swain.
- Comparison of Eating Patterns and Lifestyle Practices in an Ethnically Diverse Population of Adults in Texas. J. Revercomb, C. Thomas.

• Nutritional Risk Assessment of Multiethnic Male and Female Participants of Senior Citizen Centers in Texas. L. Jacobs, A. Silva, S. Woodruff.

14. PRESENTATION OF SCHOLARLY AND CREATIVE ACTIVITIES:

- a. Refereed publications, invitational or juried shows, critically evaluated performances, scholarly monographs:
 - Shah, M., <u>Bouza</u>, <u>B</u>., Adams-Huet, B., Manall, J., Esposito, P., **Dart**, **L**. Effect of calorie or exercise labels on menus on calories and macronutrients ordered and calories from specific foods in Hispanic participants: a randomized study, *Journal of Investigative Medicine*, 2016; 64:1261–1268, doi:10.1136/jim-2016-000227.
 - Shah, M., <u>Franklin, B.</u>, Adams-Huet, B., Mitchell, J., <u>Bouza, B.</u>, **Dart, L.**, Phillips, M. The Effect of Meal Composition on Postprandial Concentrations of Glucagon-Like Peptide-1, Insulin, Glucagon, C-peptide, and Glucose Responses in Overweight/Obese Participants, *European Journal of Nutrition*, 2016; Vol. 56, No.3: DOI 10.1007/s00394-016-1154-8. ISSN 1436-6207.
 - <u>Franklin, B.</u>, Adams-Huet, B., <u>Jaffery, M.</u>, Mitchell, J., <u>Oliver, J.</u>, Phillips, M., <u>Bouza, B.</u>, **Dart, L.**, M. Shah. Impact of Meal Composition on Postprandial Lipid Responses in Overweight/Obese Participants. (Abstract). *Journal of the Federation of American Societies for Experimental Biology*, April 2016; Vol. 30, No. 1:S1164.2.
 - Shah, M., <u>Crisp, K.</u>, Adams-Huet, B., **Dart, L.**, <u>Bouza, B., Franklin, B.</u>, and M. Phillips. The Effect of Eating Speed at Breakfast on Appetite Hormone Responses and Daily Food Consumption, *Journal of Investigative Medicine*, 2015; Vol. 63, No. 1:22-28.
 - <u>Crisp, K.</u>, Phillips, M., Adams-Huet, B., **Dart, L.**, <u>Bouza, B.</u>, <u>Franklin, B.</u>, and M. Shah Effect of Eating Speed at Breakfast on Gut Appetite Hormone Responses and Daily Energy Intake. (Abstract). *Journal of the Federation of American Societies for Experimental Biology*, April 2015; Vol. 29, No. 1:S97.1.
 - Shah, M., J. Copeland, **L. Dart**, B. Adams-Huet, A. James, and D. Rhea, Slower Eating Speed Lowers Energy Intake in Normal Weight But Not Overweight/Obese Subjects, *Journal of the Academy of Nutrition and Dietetics*, 2014;114:393-402.
 - Bouza, B., Fellow, J., Lorenz, M., Rutledge, L., Jaffery, M., Adams-Huet, B., **Dart, L.**, Esposito, P. Shah, M. Exercise and calorie information on menus is not enough to improve food choices in Hispanic adults. (Abstract). *Journal of the International Society of Sports Nutrition* 2015; 12(Suppl 1):P3 (http://www.jissn.com/content/12/S1/P3).
 - Shah, M., J. Copeland, **L. Dart,** B. Adams-Huet, A. James, and D. Rhea (2013, published on line ahead of print), Slower Eating Speed Lowers Energy Intake in Normal Weight But Not Overweight/Obese Subjects, *Journal of the Academy of Nutrition and Dietetics*, 2014;114:393-402.
 - Aftandilian, D., **Dart, L.** Using Garden-Based Service-Learning to Enhance Food Security, Better Educate Students, and Strengthen Campus-Community Ties, *Journal of Community Engagement and Scholarship*, April 2013; Vol 6, No. 1:14-28.
 - James, A., Adams-Huet, B., Crisp, K., Mitchell, J., **Dart, L**., Turner, M., Kasper, M., Bowman, J., Joeckel, S., Toomey, N., Heefner, H., Blasco, E., and M. Shah (Abstract). The Effect of Menu

- Labels, Displaying Minutes of Brisk Walking Needed to Burn Food Calories, on Calories Ordered and Consumed in Young Adults. *Journal of the Federation of American Societies for Experimental Biology (FASEB)*, 2013; 27:367.2.
- Copeland, J. James, A., Chatley, B., Brown, K., Pelzel, K., Crane, J., Mashni, S., **Dart, L.**, Rhea, D., Shah, M. (Abstract) The Effect of Eating Speed on Energy Intake in Normal Weight and Overweight/Obese Subjects. *Journal of the Federation of American Societies for Experimental Biology (FASEB)*, April 2012; 26:380.6.
- **Dart, L.,** Moayad, N., Lykens, K., Marishak-Simon, S., Robinson, K. Pedagogical Model Effects Social Change. *Academic Exchange Quarterly*, 15(4), Winter 2011: 568-571.
- **Dart, L.** Garden Based Learning for Youth. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 1(1) 2010: 32-34.
- **Dart, L.** Community Gardening and Education Outreach Expand Students Dietetics Practice Skills. *Journal of Hunger and Environmental Nutrition*, *5*(4), 2010: 542-544.
- **Dart, L.**, Frable, P. Community gardening holds promise for public health challenges. *TAFCS* (*Texas Association of Family and Consumer Sciences*) *Research Journal*, 1(1), 2009: 35-38.
- **Dart, L.**, Davis, McKale. Vigorous Physical Activity Patterns Among College Students. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 1(1), 2008: 22-24.
- **Dart, L.,** Frable, P.J., Bradley, P. Families and community learning together to prevent obesity. *Journal of Extension*, 46(1), February 2008: Article No. 1IAW2: http://www.joe.org/joe/2008february/iw2.shtml
- DiMarco, N., **Dart, L.,** Sanborn, C. Modified activity-stress animal model for the female athlete triad. *Journal of Applied Physiology*, 103(5), November, 2007: 1469-1478. (See Invited Editorial by Anne B. Loucks: New animal model opens opportunities for research on the female athlete triad. *Journal of Applied Physiology*, 103(5), November, 2007: 1467-1468).
- **Dart, L**. Be Bright! Eat Right! A successful community-campus partnership. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 2(2), October 2007: 23-25.
- **Dart, L.** Sargent, J., Hampton, S. School-based program for preventing obesity and promoting health. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 2(1), October 2006: 34-36.
- Frable, P., **Dart, L.,** Bradley, P. Healthy Weigh (El camino saludable) Phase 1: A Retrospective Critical Examination of Program Evaluation. *Preventing Chronic Disease (PCD)*, 3(3), July, 2006:A98, 1-11; Available from: URL: http://www.cdc.gov/pcd/issues/2006/jul/05_0149.htm.
- **Dart, L.,** Frable, P. Obesity, Poverty and Food Insecurity. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*. 1(10), October, 2005: 34-36.
- Gorman, M.A., **Dart, L.,** Bradley, P., Frable, P. Family eating choices in a high-risk community for obesity and chronic disease in north central Texas. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*. 1(10), October, 2005: 37-38.
- **Dart, L.**, P. Frable, P. Bradley. Working with Families to Prevent Obesity: A Community-Campus Partnership. *Journal of Family & Consumer Sciences*, 97(2), April, 2005: 20-28.

- Frable, P., **L. Dart,** P. Bradley. The Healthy Weigh / *El Camino Saludable*: A Community Campus Partnership to Prevent Obesity. *Journal of Interprofessional Care*, 18(4), November, 2004: 447-449.
- **Dart, L.,** S. Hampton, M.A. Gorman, A. VanBeber. Nutritional risk assessment of community-dwelling older adults in Texas. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 1(9), October 2004: 24-26.
- **Dart, L.,** Gorman, M.A., VanBeber, A. Comparison of Eating Patterns in an Ethnically Diverse Population of Male and Female Adults in Texas. *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 1(8), 2003: 25-27.

VanBeber, A., Gorman, M.A., **Dart, L.** Do Low-Fat Snack Advertisements Targeted to Middle and High School Students Impact Their Purchasing Habits? *TAFCS (Texas Association of Family and Consumer Sciences) Research Journal*, 1(8), 2003: 28-29.

Refereed Textbooks:

Dart, L. Physical Assessment – Body Weight and Overweight / Obesity: In, *Practical Guide to Health Assessment Through the Life Span*, 4th ed., (2005). By: Mildred O. Hogstel and Linda C. Curry; F.A. Davis Publishing, Philadelphia, PA.

Scholarly Monographs:

- **Dart, L.** *Development of a Rat Model of the Female Athlete Triad.* Denton, TX, Texas Woman's University, Dissertation, 2001.
- **Dart, L.** The Autistic Syndrome: A Nutritional Immunologic Profile in a Group of Children Satisfying the DSM-II-R Criteria for Autism. Denton, TX, Texas Woman's University; Thesis, 1994.

b. Non-Refereed Publications:

- **Dart, L**. Pedagogy Effects Social Change. TCU Center for Community Involvement & Service-Learning, *Profiles of Service*, v. 4, p. 9, Fall, 2012.
- **Dart, L.** Outreach Expands Dietetics Skills. TCU Center for Community Involvement and Service-Learning. *Profiles of Service, Issue 3, p. 8,* Fall, 2011.
- **Dart, L**. A Service-Learning Gardening Initiative Enhances Students' Public Health Practice. *TCU Center for Community Involvement and Service Learning Newsletter*, March 2010.
- **Dart, L.** Children's Demonstration Garden. TCU Community Involvement and Service Learning *Profiles of Service*, Fall 2009: 5.
- **Dart, L.** *Eating Well Together* Curriculum. (March, 2007). Replicable four-part Nutrition Education Program for adult-child Matches. Developed for Big Brothers/Big Sisters of North Texas and sponsored by the Dannon Company, Next Generation Nutrition Programs.
- Frable, P. J. & **Dart, L**. (eds.). (2005, June). *Steps to a healthier you/ Pasos a un tú más saludable* [Participant activity book for Healthy Weigh/*El camino saludable*]. Available in English and Spanish. Fort Worth, TX: Prepared for United Way of Metropolitan Tarrant County.

- Frable, P.J. & **Dart, L**. *Healthy Weigh/El camino saludable* Curriculum (Phase 2). (May, 2005). Replicable community-based curriculum for healthy eating and physical activity in low-income families. Developed for United Way of Metropolitan Tarrant County.
- Dart, L. Obesity and Poverty in America. Tarrant Area Food Bank Newsletter; September, 2004.
- **Dart, L.** Aging and Nutrition. In, *Frequently Asked Questions (FAQs) Caregivers Manual*, (2004). Developed for, Comprehensive Caregiver Choices (C3) Program funded by United Way's Senior Way Impact Council to provide elder care support services.
- **Dart, L.**, Bradley, P. & Frable, P.J. *The Healthy Weigh Cookbook*, (December, 2003). Developed for The Healthy Weigh/*El Camino Saludable* Program at Cornerstone Community Center, funded by United Way of Metropolitan Tarrant County.
- **Dart, L.,** Mudukuti, A. *IFHE Student and Pre-professional Affiliate*. International Division, AAFCS Newsletter, 2 (1): 4-5, 2003.
- c. Materials or activities accepted or scheduled but not yet printed, released, or presented:

 N. Bell, E. Schiesler, N. Sisk, A. VanBeber, L. Dart, J. Stevenson, D. D'Agostino, P. Smith-Barbaro, D. Farmer, K. Argenbright, K. Aspegren, D. Monlezun, L. Sarris, T. Harlan. Culinary Medicine and a Multisite Longitudinal Study: Cooking for Health Optimization with Patients (CHOP), Goldring Center for Culinary Medicine, Health Meets Food Conference, June 2017, New Orleans, LA.
- d. Materials under active review by external editors or referees:
 - **Dart, L.**, VanBeber, A., and J. Stevenson. *Culinary Medicine: Interprofessional Nutrition Education Strengthens Collaborative Practice Among Health Professions Students*. 2017 Collaborations Across Borders Annual Conference, October, 2017, Banff, Canada.
- e. **Papers presented and published abstracts, participation on panels, etc., at scholarly meetings** (students names are underlined to denote faculty/student-authored presentations):

Interprofessional Organizations & Meetings

2016-2017

Dart, L., Jackson, L., and D. Hawley. Foods, Family & Fears in Aging. Texas Christian University, April 27, 2017, Fort Worth, TX.

- **Dart, L**. Love Food, Eat Healthy & Hate Waste. TCU FrogForum, January 12, 2017, Texas Christian University, Fort Worth, TX.
- Knebel, J., S. Marquez-Hall, **L. Dart**, D. Hawley, L. Jackson. *Innovative Interprofessional Education and Practice Instructional Method For the Seniors Assisting in Geriatric Education (SAGE) Program*, Reynolds Grant Conference, October 23-25, 2016, New Orleans, LA.
- **Dart, L**. Collaborative Partnerships, Blue Zones Annual Summit, October 18, 2016, Fort Worth, TX
- Jevas, S., Alexander, G., **Dart,** L., Jenkins, D., Jenschke, M., Watson, J. *Enhancing Student Interprofessional Competencies Through TeamSTEPPS Training*. Interprofessional Education Collaborative Institute, May 4-6, 2016, Hyatt Dulles, Herndon, VA.

Dart, L., VanBeber, A., D'Agostino, D., Smith-Barbaro, P., Farmer, D., Argenbright, K., Harlan, T. A *Culinary Medicine Course for Health Professionals: Recipe for Better Health*. Collaborating Across Borders V, September 29-October 2, 2015.

Farmer, D., Habiba, N., **Dart, L**., Rew, M. Utilizing a Pediatric Clinic and Dietetic Internship to Improve Patient Outcomes and Teach Interprofessional Collaboration in a Clinical Setting: A Cross Institutional Collaboration Model. Collaborating Across Borders V, September 29-October 2, 2015.

Watson, J., Alexander, G., **Dart, L**., Jenkins, D., Jenschke, M. and S. Jevas-Roegels, Enhancing Student Interprofessional Competencies Through TeamSTEPPS Training. American Speech-Language-Hearing Association National Convention, Denver, CO; November 12, 2015.

Carroll, C., Habiba, N., **Dart, L**., and M. Rew, Utilizing a Pediatric Clinic and Dietetic Internship to Improve Patient Outcomes and Teach Interprofessional Collaboration in a Clinical Setting: A Cross Institutional Collaboration Model. University of North Texas Health Science Center, Fort Worth, TX; June, 17, 2015.

Crisp, K., Phillips, M., Adams-Huet, B., **Dart, L.**, <u>Bouza, B.</u>, <u>Franklin, B.</u>, and M. Shah. Effect of Eating Speed at Breakfast on Gut Appetite Hormone Responses and Daily Energy Intake, American Society for Nutrition, Annual Meeting at Experimental Biology, Boston, MA, March 28 - April 1, 2015.

Farmer, D., Habiba, N., **Dart, L**., and M. Rew, Utilizing a Pediatric Clinic and Dietetic Internship to Improve Patient Outcomes and Teach Interprofessional Collaboration in a Clinical Setting: A Cross Institutional Collaboration Model. University of Texas Kenneth I. Shine, M.D. Academy of Health Science Education - 2015 Innovations Conference. Austin, TX. February 19th-20th. **Dart, L**. *Assessing Geriatric Nutrition*. Invited speaker for Student Chapter of the American Geriatrics Society Organization (SCAGS), University of North Texas Health Science Center, Fort Worth, TX; October, 23, 2014.

Dart, L., M. Beeler, E. Castillo, S. Hooper. Service-Learning: A Win-Win Partnership for the RD, the Student, and the Community. DFW Dietetics Spring Seminar, Colleyville Center, TX, February 28, 2014.

Dart, L., Aftandilian, D., Boyd, Rosangela. *Got a Goal? Service-Learning*. Tarrant Area Food Bank's Annual Agency Conference, Fort Worth, TX; August 27, 2013.

James A, James A, Adams-Huet B, Crisp K, Mitchell J, **Dart L**, Turner M, Kasper M, Bowman J, Joeckel J, Toomey M, Heefner H, Blasco E, Shah M (April 2013). *The Effect of Menu Labels, Displaying Minutes of Brisk Walking Needed to Burn Food Calories, on Calories Ordered and Consumed in Young Adults.* The expanded abstract was awarded 2nd place (runner up) in the graduate students (both Masters and Ph.D. projects combined) category for the Nutrition Education Research Interest Section, American Society for Nutrition, April 2013 Annual Meeting at Experimental Biology, Boston, MA.

2011-2012

Copeland J, James A, Chatley B, Brown K, Pelzel K, Crane J, Mashni S, **Dart L**, Rhea D, Shah M (April 2012). *The effect of eating speed on energy intake in normal weight and overweight/obese subjects*. Oral Presentation by Shah M. American Society for Nutrition Annual Meeting at Experimental Biology, San Diego, California.

Robinson, K., **Dart, L**. Facilitating Health Behavior Change in Seniors: Service-Learning for Dietetics Students; American Association of Diabetes Educators Annual Meeting and Exhibition, Indianapolis, IN, August 1-4, 2012.

Dart, L., Robinson, K. Starting the Dialogue: Learning to Initiate Conversations about Community-Campus Partnerships. Conference: Promoting Health and Wellness though Community-Campus Partnerships: Combining Our Strengths For A Better Tomorrow. Co-hosted by TCU Center for Community Involvement & Service-Learning, UNT Health Science Center, Texas Prevention Institute. Texas Christian University, Fort Worth, TX; April 12, 2012.

Boyd, R., **Dart, L**., Marishak-Simon, S. *Healthy Aging and Independent Living: Transforming a Community through Critical Service-Learning*; Community-Campus Partnerships for Health, CCPH 15th Anniversary Conference, Houston, TX April 18-21, 2012.

2010-2011

Marishak-Simon, S., Robinson, K., <u>TCU Coordinated Program in Dietetics – Class of 2011</u>, **Dart, L**. *Healthy Aging and Independent Living (HAIL): Community Nutrition Programs*. Fort Worth Dietetic Association, April 20, 2011.

Marishak-Simon, S., <u>Luce, S., Parra, M.</u>, **Dart, L**. *Making a Difference in the Community: A Service-Learning Initiative for Healthy Aging and Independent Living (HAIL)*. Annual Conference Meals On Wheels Association of Texas, Hilton Hotel, Fort Worth, TX; April 13-15, 2011.

Aftandilian, D., Feille, S., Curl, N., Rudd, K., **Dart, L**. *Growing Healthier Communities through Service-Learning: Community and Learning Garden Projects in Fort Worth*. Conference on Service-Learning for Sustainability and Social Justice. TCU Center for Community Involvement and Service-Learning, Texas Christian University, Fort Worth, TX; March 31-April 1, 2011.

Dart, L., Simon, S., Smith, S., Moayad, N. Evaluating the Effectiveness of Public Health Service-Learning for Healthy Aging and Independent Living (HAIL). Conference on Service-Learning for Sustainability and Social Justice. TCU Center for Community Involvement and Service-Learning, Texas Christian University, Fort Worth, TX; March 31-April 1, 2011.

Dart, L., Hynes, M., McKinney, M., King, L., Whitworth, K., Nahoolewa, C. *Campus-Community Partnerships: A Working Model for Sustainability*. Conference on Service-Learning for Sustainability and Social Justice. TCU Center for Community Involvement and Service-Learning, Texas Christian University, Fort Worth, TX; March 31-April 1, 2011.

2009-2010

Dart, L., Higgins, P. *Building Reciprocal Partnerships for Community Engagement*. TCU Center for Community Involvement and Service-Learning Annual Service-Learning Workshop and Poster Session, Texas Christian University, Fort Worth, TX, April 30th, 2010.

Dart, L., Higgins, P., Hynes, M., Frable, P. *Community Gardening: Sustainable Food Systems for Tarrant Area Food Bank Agencies*. TCU Center for Community Involvement and Service-Learning Annual Service-Learning Workshop and Poster Session, Texas Christian University, Fort Worth, TX, April 29th, 2010.

2008-2009

Dart, L., Frable, P. A Service-Learning Gardening Initiative Enhances Students' Public Health

Practice. TCU Center for Community Involvement and Service-Learning Annual Service-Learning Workshop and Poster Session, Texas Christian University, Fort Worth, TX, March 5th, 2009.

Frable, P., **Dart, L**. Community Gardening for Active Citizenship: Initial Report. 2008 Association for Community Health Nursing Educators Annual Meeting, Atlanta GA, June 5-7th, 2008.

Dart, L., Frable, P. A Service-Learning Gardening Initiative Enhances Students' Public Health Practice. Conference Proceedings, pg. 15, American College of Preventative Medicine and the Association of Prevention Teaching and Research: Teaching Prevention 2008, Austin, TX; February 12-15th, 2008.

Dart, L., Frable, P. *Community Gardening Holds Promise for Public Health Challenges*. 90th Annual Meeting Schedule, pg 6, Texas Association of Family and Consumer Sciences Annual Meeting, Addison TX, February 27-March 3rd, 2008.

2006-2007

Frable, P. J., **Dart, L.**, Bradley, P. *The Healthy Weigh/El camino saludable, Phase 2/Fase 2 overview: Helping families adopt active living and healthy eating.* 2nd Annual National Public Health Nursing Conference. Memphis, Tennessee; 2007: The University of Tennessee Health Science Center. Available as a webcast

at http://nursingnet.utmem.edu/phnconference/webcast2007/index2.php

Cooley, R., Willis, L., **Dart, L**., Sargent, J., Hampton, S. *BISD Kids in Action: A school-based program for improving healthful eating and physical activity*. Conference Proceedings, pg. 127, National Conference on Undergraduate Research. Dominican University of California, San Rafael, CA. April 12-14, 2007.

Frable, P., **Dart, L.**, Bradley, P. *Helping Families Adopt Healthy Eating and Physical Activity Patterns: The Healthy Weigh/El camino saludable Program Overview*. National Prevention Summit, Washington, DC; October, 25-28th 2006.

Dart, L., Hampton, S., Cooley, R., Lewis, S., Stervinou, J., Vest, R. Making a Difference in the Community: Student Research and Community-Campus Partnerships. Phi Upsilon Omicron Biennial Conclave, Grapevine, TX, September 30, 2006.

Gorman, M.A., VanBeber, A., **Dart, L.**, Hampton, S., Hill, G., <u>Kistler, K.</u> *Diet and Dental Caries in Rural Guatemalan Children*. American Dietetic Association Food & Nutrition Conference & Exhibition, Honolulu, Hawaii; September 2006.

Frable, P.J., **Dart, L.,** & Bradley, P. J. *Community participation in designing the Healthy Weigh / El camino saludable: A healthy eating and physical activity program for families.* Beta Alpha Chapter, Sigma Theta Tau. International Honor Society of Nursing. Chapter Meeting. Texas Christian University. Fort Worth, TX. 21 February 2006.

2004-2005

Frable, P.J., **L. Dart,** P. Bradley. *Community participation in designing the Healthy Weigh/El camino saludable: a healthy eating and physical activity program for families*. Thirty-Eighth Biennial Convention of the Honor Society of Nursing, Indianapolis IN, November 2005.

Frable, P.J., <u>A. Morris, J. Hill,</u> P. Bradley, **L. Dart**. *Service-learning through community-based participatory research in the Healthy Weigh/El camino saludable program*. Thirty-Eighth

- Biennial Convention of the Honor Society of Nursing, Indianapolis IN, November 2005.
- <u>Hill, J.</u>, P.J. Frable, P. Bradley, **L. Dart**. *Relationships between grain intake and self-reported diabetes status among participants in the Healthy Weigh/El camino saludable program*. Thirty-Eighth Biennial Convention of the Honor Society of Nursing, Indianapolis IN, November 2005.
- Frable, P. J., **Dart, L**. & Bradley, P. J. (2005, June). *The Healthy Weigh/El camino saludable*. Universidad Mayor, Temuco Campus. Temuco, Chile.
- Horea, M., N. DiMarco, <u>K.L. Greathouse</u>, L.Dart, C. Sanborn. *Bone mass changes in a rodent model of the female athlete triad*. American College of Sports Medicine 51st Annual Meeting, Indianapolis, Indiana, June 2-5, 2004.

- **Dart, L.** N. DiMarco, C.F. Sanborn. *Energy intake, expenditure, and availability in young female rats with access to voluntary wheel exercise. Conference Proceedings, pg. S33*, American College of Sports Medicine 50th Annual Meeting, San Francisco, CA, May 28-31, 2003.
- Horea, M., Greathouse, K., **Dart, L.,** Nichols, D.L., Sanborn, C.F., FACSM, DiMarco, N.M. *Restricted feeding and bone mass in an animal model of the Female Athlete Triad.* Conference Proceedings, pg. S76, American College of Sports Medicine 50th Annual Meeting, San Francisco, CA, May 28-31, 2003.
- **Dart, L.** Hampton, S. *Dieting in America Assessment and Weight Control*. Annual Proceedings, pg. 40, American Association of Family and Consumer Sciences Annual Convention, Washington, DC, June 28-July 1, 2003.
- Mangelsdorf, J., Willman, B., Li, K., Huffman, C., Dart, L., Hampton, S., Gorman, M.A., VanBeber, A., Ranelle, C. *Body Composition Profiles of Overweight and Obesity in Ethnically Diverse Elderly Females Participating in Congregate Meal Programs (CMPs)*. Texas Chapter, Association of College of Sports Medicine Annual Meeting, Houston, TX, March 7-8th, 2003.
- **Dart, L.,** Hampton, S., Gorman, M.A., VanBeber, A., <u>Huffman, C., Li, K., Mangelsdorf, J., Willman, B.</u> *Obesity-related criteria in multiethnic females participating in Congregate Feeding Programs in Tarrant County, TX.* Proceedings for 85th Annual Meeting Promoting Family Vitality, pgs. 13-14. Texas Association of Family and Consumer Sciences, February 27 March 1, 2003.
- **Dart, L.,** Gorman, M.A., VanBeber, A., <u>Revercomb, J., Thomas, C.</u> Eating patterns and body mass index in an ethnically diverse population of male and female adults in Texas. Proceedings for 85th Annual Meeting Promoting Family Vitality, pgs. 11-12. Texas Association of Family and Consumer Sciences, February 27 March 1, 2003.
- **Dart, L.,** Mudukuti, A., Durr, C. *Methods of Communication and Networking Among IFHE Members in Africa, Asia, Europe, Pacific, and Americas.* IFHE Annual Meeting, Vienna, Austria, January 31-February 4, 2003.
- **Dart, L.,** Mudukuti, A. Organizing a Student Affiliate and Network of Professionals for the International Federation of Home Economics (IFHE). IFHE Annual Meeting, Vienna, Austria, January 31-February 4, 2003.
- **Dart, L.,** Hampton, S., Gorman, M.A., VanBeber, A., Ranelle, C., <u>TCU Coordinated Program in Dietetics Students</u>. *Obesity-Related Patterns in Multiethnic Females Participating in Congregate*

Feeding Programs in Tarrant County, TX. Presented at the American Dietetic Association Food & Nutrition Conference & Exhibition, Philadelphia, PA, October 19-22, 2002.

Shiota, H., Gorman, M.A., VanBeber, A., Hampton, S., **Dart, L.,** Ranelle, C. *A Cross-Cultural Comparison of Eating Attitudes in Japanese and American Young Adults*. Presented at the American Dietetic Association Food & Nutrition Conference & Exhibition, Philadelphia, PA, October 19-22, 2002.

Dart, L., M. Horea, N. DiMarco. A New Method for the Measurement of Regional Bone Mass. Conference Proceedings, pg S59, American College of Sports Medicine 49th Annual Meeting, St. Louis, MO, May 28-31, 2002

Horea, M., N.M. DiMarco, K.L. Greathouse, L. Dart, C.F. Sanborn. *Voluntary Running, Bone Mineral Content, Body Weight, and Dietary Intake in Growing Female Rats*. Conference Proceedings, pg S110, American College of Sports Medicine 49th Annual Meeting, St. Louis, MO, May 28-31, 2002.

Dart, L., N. DiMarco, S. Sanborn (ACSM Spronsor). *Development of a Rat Model of the Female Athlete Triad*. Conference Proceedings, pg S227, American College of Sports Medicine 48th Annual Meeting, St. Louis, MO, May 30-June 2, 2001.

Dart, L., M. Horea, N. DiMarco. *Comparative Analysis of pQCT and Regional DXA Sites in Female Rats*. Conference Proceedings, pg 37, Texas Woman's University Research Symposium, Denton, TX, April 4th, 2001.

Texas Academy of Nutrition and Dietetics (Texas Dietetic Association) Conference & Exposition

2017

Dart, L., Stevenson, J., VanBeber, A. A Culinary Medicine Course Improves Clinical Nutrition Proficiency of Health Professions Students. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017.

Schwartz, A., Knudsen, M., and L. Dart. Female Menstrual Cycle and Chocolate Cravings in College-aged Health Professions Women. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017.

VanBeber, A., **Dart, L.**, Stevenson, J., <u>Clay, J.</u>, <u>Niestrom, G.</u>, <u>Owen, E.</u>, and <u>Simons, M.</u>, Examination of portion sizes of regular cheese pizzas from a variety of casual restaurants in Fort Worth, TX. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017

Clemence, L., McCarthy, G., Pyke, L. H. White, L. Dart, A. VanBeber. *Determination of the Types of Foods Advertised on Billboards in the Dallas-Fort Worth Area*. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017.

2016

Bury, E., Conklin, A., Hannush, E., **Dart, L**. The Effect of Proposed Nutrition Facts Label Changes on Identification of Pertinent Nutrition Information Among Undergraduate Students. Texas Academy of Nutrition and Dietetics Conference & Exposition, Arlington TX, April 28-29, 2016.

Bell, N., Schiesler, E., Sisk, N., VanBeber, A., Dart, L. Culinary Medicine and a Multisite

Longitudinal Study: Cooking for Health Optimization with Patients (CHOP). Texas Academy of Nutrition and Dietetics Conference & Exposition, Arlington TX, April 28-29, 2016.

Armstrong, R., Ayala, A., Zielke, S., VanBeber, A., **Dart, L**. Knowledge and Perception of Genetically Modified Organisms (GMO) Among College Students. Texas Academy of Nutrition and Dietetics Conference & Exposition, Arlington TX, April 28-29, 2016.

Dart, L., Rew, M., Habiba, N., Farmer, D. *Utilizing a Pediatric Dietetics Internship to Improve Patient Outcomes and Teach Interprofessional Collaboration in a Clinic Setting*. Texas Academy of Nutrition and Dietetics Conference & Exposition, Arlington TX, April 28-29, 2016.

2015

Dart, L., VanBeber, A., D'Agostino, D., Smith-Barbaro, P., Farmer, D., Argenbright, K., and T. Harlan, A Culinary Medicine Course for Health Professionals: Recipe for Better Health. Texas Academy of Nutrition and Dietetics Conference & Exposition, Houston TX, April 8-10th, 2015.

2013

- C. Boes, C. Couper, L. Dart. College Student's Knowledge About the Health Benefits of Fruits and Vegetables. Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin TX, April 12-14, 2013.
- S. Scherer, L. Dart. Prevalence of Anemia in a Sample Population of Female College Students. Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin TX, April 12-14, 2013.
- Z. Korac, T., Ramirez, L. Dart. Preseason Workout Among Swimmers and Risk of Dehydration. Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin TX, April 12-14, 2013.
- M. Armstrong, L. Dart. Customer Satisfaction and Opinion of New Cafeteria Serving Line at Shannon Learning Center. Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin TX, April 12-14, 2013.
- <u>L. Ronning</u>, <u>C. Wilfley</u>, **L. Dart**. *Depression and its Effect on Behavior Change in Meals On Wheel Clients*. Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin TX, April 12-14, 2013.

2011-2012

- A., Traylor, S., Summers, J., Michael, L. Dart. Caffeine Consumption Among College Students. Texas Dietetic Association Food and Nutrition Conference & Exposition, San Antonio TX, April 12-14, 2012.
- M., Skertchly, L., Vargas, L., Dart. Parental Influence on Children's Dietary Practices. Texas Dietetic Association Food and Nutrition Conference & Exposition, San Antonio TX, April 12-14, 2012.
- Mueller, L., **Dart, L**. Comparison of Growth Standards Among Rural Dominican Republic Children. Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 7-9, 2011.
- Knight, B., Plummer, E., Dart, L. Diabetes Risk Screening Among Congregate Meal Program

Participants. Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 7-9, 2011.

<u>Chapa, A.</u>, **Dart, L.** Effect of Stress on Appetite and Food Intake Among College Students. Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 7-9, 2011.

2008-2009

<u>Jarquin, C., Olivares, P.,</u> **Dart, L.** *Comparison of Nutritional Status Among Urban and Rural Guatemalan Children*. Conference Proceedings, pg. 153-154, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 19-21, 2009.

Munsell, C., Wascher, B., Frable, P., **Dart, L**. Enhancing Health Professions Students' Skills in the Community. Conference Proceedings, pg. 157-158, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 19-21, 2009.

Romohr, B., Dart, L. Marketing Strategies Include Customer Food Preferences For Improving Hospital Cafeteria Sales. Conference Proceedings, pg. 165-166, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 19-21, 2009.

Strudwick, C., Larson, T., **Dart, L**. Behavioral Challenges for Sustainable Changes in Cardiac Rehabilitation. Conference Proceedings, pg. 169-170, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 19-21, 2009.

<u>Holland, A.</u>, **Dart, L.** *Nutritional Assessment of Rural Children in Chad, Africa*. Conference Proceedings, pg. 246-248, Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 24-26, 2008.

Fleming, H., Rudd, K., **Dart, L**. School Physical Activity and Nutrition Assessment in Economically Diverse Children. Conference Proceedings, pg. 250-252, Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 24-26, 2008.

Strong, E., Dart, L. Impact of a Campus-Wide Dining Program for Improving Healthy Menu Choices in University Students. Conference Proceedings, pg. 254-256, Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 24-26, 2008.

Dart, L., Frable, P. *Community Gardening: Where Active Citizenship and Public Health Intersect.* Conference Proceedings, pg. 242-244, Texas Dietetic Association Food and Nutrition Conference & Exposition, Houston TX, April 24-26, 2008.

2006-2007

Cooley, R., Willis, L., **Dart, L.**, Sargent, J., Hampton, S. *Absenteeism and Lower Academic Achievement in Overweight 3rd and 5th Grade Students*. Conference Proceedings, pg. 132-133, Texas Dietetic Association Food and Nutrition Conference & Exposition, Frisco TX, March 30-April 2, 2007.

<u>Davis, M.,</u> Morrison, T., Cognata, S., Hampton, S., **Dart, L.** *Physical Fitness and Vigorous Physical Activity Patterns of College Students*. Conference Proceedings, pg.136-137, Texas Dietetic Association Food and Nutrition Conference & Exposition, Frisco TX, March 30-April 2, 2007.

<u>Vest, R.</u>, Southall, S., **Dart, L**. *Nutrient Intake Among Patients with Alzheimer's Disease*. Conference Proceedings, pg. 176-177, Texas Dietetic Association Food and Nutrition Conference & Exposition, Frisco TX, March 30-April 2, 2007.

- Anderson, K., Maranto, K., Potysman, K., Stauffer, C., **Dart, L**. *Teaching young School-age children how to make healthful eating and active living choices*. Conference Proceedings, pg. 119-121, Texas Dietetic Association Food and Nutrition Conference & Exposition, Woodlands TX, April 6-8, 2006.
- Grinnan, M., Lewis, S., Rigby, C., Hampton, S., **Dart, L**. *Marketing strategies include nutrition education to improve hospital cafeteria sales*. Conference Proceedings, pg. 143-145, Texas Dietetic Association Food and Nutrition Conference & Exposition, Woodlands TX, April 6-8, 2006.
- Hominick, L., Meyer, B., **Dart, L**., Hampton, S., Sargent, J., Ranelle, C. *Factors affecting students' participation in school foodservice*. Conference Proceedings, pg. 187-189, Texas Dietetic Association Food and Nutrition Conference & Exposition, Woodlands TX, April 6-8, 2006.
- Stervinou, J., **Dart, L**., Hill, G., VanBeber, A., Gorman, M.A. *Nutritional risk and overweight among independent elderly living in the community*. Conference Proceedings, pg. 119-121, Texas Dietetic Association Food and Nutrition Conference & Exposition, Woodlands TX, April 6-8, 2006.

- **Dart, L.,** J. Sargent, S. Hampton, C. Ranelle, <u>A. Bowden, A. Gilley, C. Stauffer</u>. *School-based program for promoting healthy lifestyle practices and obesity prevention*. Conference Proceedings, pg. 95-97, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 10-13, 2005.
- **Dart, L.,** M.A. Gorman, P. Bradley, P. Frable, <u>E. Kaszynski, S. Wooldridge</u>. *Family patterns of dietary intake and body mass index*. Conference Proceedings, pg. 115-117, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 10-13, 2005.
- Gorman, M.A., L. Dart, A. VanBeber, N. Paquette. Determination of eating habits of collegiate swimmers. Conference Proceedings, pg. 123-125, Texas Dietetic Association Food and Nutrition Conference & Exposition, Austin TX, April 10-13, 2005.
- Hampton, S., **L. Dart**, M.A. Gorman, A. VanBeber, C. Ranelle, G. Hill, <u>L. Jacobs, A. Silva, S. Glasson</u>. *Body composition and nutritional risk in a sample of elderly men and women living in the community*. Conference Proceedings, pg. 167-169, Texas Dietetic Association Food and Nutrition Conference & Exposition, Dallas TX, April 2004.
- **Dart, L.**, M.A. Gorman, A. VanBeber, S. Hampton, C. Ranelle, G. Hill, <u>J. Revercomb, C. Thomas.</u> *Gender-related differences in food choices and lifestyle practices of adults in Texas.* Conference Proceedings, pg. 171-173, Texas Dietetic Association Food and Nutrition Conference & Exposition, Dallas TX, April 2004.

2002-2003

- <u>Jacobs, L., Silva, A., Woodruff, S., Dart, L., Hampton, S., Gorman, M.A., VanBeber, A., Ranelle, C. Nutritional Risk Assessment of Multiethnic Male and Female Participants of Senior Citizen Centers in Texas.</u> Conference Proceedings, pgs. 298-299, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.
- Huffman, C., Li, K., Mangelsdorf, J., Willman, B., Dart, L., Hampton, S., Gorman, M.A., VanBeber, A., Ranelle, C. *Body Composition Profiles of Overweight and Obesity in Multiethnic*

Elderly Females. Conference Proceedings, pgs. 296-297, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.

Revercomb, J., Thomas, C., Swain, M., Dart, L., Gorman, M.A., VanBeber, A., Ranelle, C. *Comparison of Eating Patterns and Lifestyle Practices in an Ethnically Diverse Population of Adults in Texas*. Conference Proceedings, pgs. 300-301, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.

Baugh, E., M.A.Gorman, M.Stoltz, A.VanBeber, **L.Dart**, <u>K.Reckelbus</u>, <u>K.Stanton</u>. *Effect of Ultrapure Dialysate Solution on Serum Hemodialysis Patients*. Conference Proceedings, pgs. 302-303, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.

Ranelle, C., M.A.Gorman, **L.Dart**, A.VanBeber, S.Hampton, <u>C.Buchanan, J.Wayne</u>. *Prevalence of Dietary Supplement Use Among Undergraduate College Students Enrolled in a Nutrition and Weight Management Course*. Conference Proceedings, pgs. 306-307, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.

VanBeber, A., M.A.Gorman, **L.Dart**, <u>K.A.Haggerty</u>, <u>E.Parks</u>. *Determination of Nutrition Knowledge of Day Care Center Employees in Tarrant County, Texas*. Conference Proceedings, pgs. 312-313, Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, Texas, April 4th.

Dart, L., M.A., Gorman, S. Hampton, C. Ranelle, A. VanBeber, <u>Coordinated Program in Dietetics Students</u>; Department of Nutritional Sciences, Texas Christian University, Fort Worth, TX. *Nutritional Assessment of Senior Citizens Participating in Congregate Feeding Programs (CFPs) in Tarrant County, Texas.* Presented at the 67th Texas Dietetic Association Annual Meeting and Trade Show, Dallas, Texas, April 4-6, 2002.

College of Science and Engineering Michael and Sally McCracken Annual Student Research Symposium (SRS)

2017

<u>Schwartz, A., Knudsen, M.</u>, and **L. Dart**. Female Menstrual Cycle and Chocolate Cravings in College-aged Health Professions Women. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017.

VanBeber, A., **Dart, L.**, Stevenson, <u>J., Clay, J., Niestrom, G., Owen, E., and Simons, M., Examination of portion sizes of regular cheese pizzas from a variety of casual restaurants in Fort Worth, TX. Texas Academy of Nutrition and Dietetics Conference & Exposition, Georgetown, TX, March 30-31, 2017</u>

2016

<u>Clemence, L., G. McCarthy, L. Pyke, H. White, L. Dart, and A. VanBeber, 2016, Windshield survey examines types of foods advertised on billboards in the Fort Worth area, College of Science and Engineering Sally and Michael McCracken Annual Student Research Symposium, Texas Christian University, Fort Worth, TX. (1st)</u>

R. Armstrong, A. Ayala, S. Zielke, A. VanBeber, L. Dart. Determination of Knowledge and Perception of Genetically Modified Foods Among College Students.

N. Bell, E. Schiesler, N. Sisk, A. VanBeber, L. Dart, D. D'Agostino, P. Smith-Barbaro, D. Farmer, K. Argenbright, K. Aspegren, D. Monlezun⁴ L. Sarris, T. Harlan. *Culinary Medicine and*

a Multisite Longitudinal Study: Cooking for Health Optimization with Patients (CHOP)

E. Bury, A. Conklin, E. Hannush, **L. Dart**. *Comparison of the Current and Proposed Nutrition Facts Labels Among College Students*.

2015

- R. Murrell, K. Meiresonne and L. Dart. TCU Student's General Knowledge of Gluten and How Gluten Affects the Acceptability of a Food Product.
- L. McKee, D. Faris, A. Bradetich, K. Bertaut, L. Dart and A. VanBeber. *How Sweet It Is: Evaluating Qualities of Alternative Natural Sweeteners*.
- J. Arnold, L. Riquelme and L. Dart. TCU Foodies.
- <u>Denton, J., Knight, A., Varghese, D., Varela, I.,</u> **Dart, L.,** and A. VanBeber. *Overall Sensory Acceptability for Homemade, Store Brand, and Organic Baby Food.*

2014

- R. Bacopulos, C. Eli, L. Dart. Estimation of Plate Waste Among Third-Grade Students at W.A Porter Elementary and Birdville Elementary School.
- A. Knight, A. Speers, L. Dart. Comparison of Bagel Serving Size form Casual Dining Restaurants in Tarrant County Compared to USDA Recommended Serving Size.
- <u>D. Sisto</u>, <u>T. Winsett</u>, **L. Dart**. Preferences for Total and Saturated Fat and Calorie-Modified Snack Bar Recipes Among Male and Female College Students.

2013

- <u>I. Dunn</u>, **L. Dart**. *Physical and Academic Performance and Healthy Living Practices Among ROTC Cadets*. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.
- C. Rowel, **L. Dart**. The Effects of Ingredient Knowledge on Predetermined Opinions of Taste Regarding Baking Ingredients. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.
- C. Boes, C. Couper, L. Dart. College Student's Knowledge About the Health Benefits of Fruits and Vegetables. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.
- S. Scherer, L. Dart. Prevalence of Anemia in a Sample Population of Female College Students. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.
- Z. Korac, T., Ramirez, L. Dart. Preseason Workout Among Swimmers and Risk of Dehydration. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.
- M. Armstrong, L. Dart. Customer Satisfaction and Opinion of New Cafeteria Serving Line at Shannon Learning Center. Conference Proceedings Poster Guide, pg. 6, College of Science and

Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.

L. Ronning, C. Wilfley, L. Dart. Depression and its Effect on Behavior Change in Meals On Wheel Clients. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 19, 2013.

2011-2012

A., Traylor, S., Summers, J., Michael, L., Dart. Caffeine Consumption Among College Students. Conference Proceedings – Poster Guide, pg. 8, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 20, 2012.

M., Skertchly, L., Vargas, L., Dart. Parental Influence on Children's Dietary Practices Conference Proceedings – Poster Guide, pg. 8, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 20, 2012.

Adams, N., Laws, M., Dart, L. Comparative Analysis Increases Brewery Profits. Conference Proceedings – Poster Guide, pg. 8, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 20, 2012.

Mueller, L., Dart, L. Comparison of Growth Standards Among Rural Dominican Republic Children. Conference Proceedings – Poster Guide, pg. 9, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 15, 2011.

Knight, B., Plummer, E., **Dart, L**. *Diabetes Risk Screening Among Congregate Meal Program Participants*. Conference Proceedings – Poster Guide, pg. 9, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 15, 2011.

<u>Chapa, A.</u>, **Dart, L.** Effect of Stress on Appetite and Food Intake Among College Students. Conference Proceedings – Poster Guide, pg. 9, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 15, 2011.

Beck, L., Iannacone, B., Dart, L. Analysis of Dental Health Practices and Dietary Habits Between TCU Undergraduate Athletic and Non-Athletic Students and the Effect on Dental Health Status. Conference Proceedings – Poster Guide, pg. 9, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 15, 2011.

2009-2010

Becker, J., Gavia, J., Dart, L. *The Longhorn Ironman 70.3 Triathlon Case Study*. Conference Proceedings – Poster Guide, pg. 7, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 16, 2010.

Munch-Soegaard, N., Rudd, C., Dart, L. Recipe Modification Improves Nutrition Content. Conference Proceedings – Poster Guide, pg. 7, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 16, 2010.

<u>Jarquin, C., Olivares, P.,</u> **Dart, L.** *Comparison of Nutritional Status Among Urban and Rural Guatemalan Children*. Conference Proceedings – Poster Guide, pg. 5, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 17, 2009.

Munsell, C., Wascher, B., Frable, P., **Dart, L**. Enhancing Health Professions Students' Skills in the Community. Conference Proceedings – Poster Guide, pg. 5, College of Science and

Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 17, 2009.

Strudwick, C., Larson, T., **Dart, L**. Behavioral Challenges for Sustainable Changes in Cardiac Rehabilitation. Conference Proceedings – Poster Guide, pg. 5, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 17, 2009.

2007-2008

<u>Holland, A.</u>, **Dart, L.** *Nutritional Assessment of Rural Children in Chad, Africa*. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

Fleming, H., Rudd, K., Dart, L. School Physical Activity and Nutrition Assessment in Economically Diverse Children. Conference Proceedings – Poster Guide, pg. 8, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

Strong, E., Dart, L. Impact of a Campus-Wide Dining Program for Improving Healthy Menu Choices in University Students. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

<u>Fisher, T., Mincher, B.,</u> **Dart, L.** *Eating Habits and Fitness Levels of College Females.* Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

<u>Pool, L., Romohr, B.,</u> **Dart, L.** *Marketing Strategies Include Food Preferences for Improving Hospital Cafeteria Sales*. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

<u>Gross, A., Stephens, C., Dart, L. Dietary Intake and Energy Level Among Female Soccer Players</u>. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Fort Worth, TX, April 18, 2008.

Cooley, R., Willis, L., Dart, L., Sargent, J., Grentz, S. *BISD Kids in Action: A School-Based Program for Improving Healthful Eating and Physical Activity*. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 20, 2007.

<u>Davis, M.,</u> Morrison, T., Cognata, S., Hampton, S., **Dart, L.** *Physical Fitness and Vigorous Physical Activity Patterns of College Students*. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 20, 2007.

Strange, C., Self, S., Dart, L., Kingston, B. *Gender Disparities Among Elderly Acute-Care Patients*. Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 20, 2007.

Gitchell, J., Glidden, K., Hicks, A., Carson, J., Watkins, M., **Dart, L**. Weigh to Go! Conference Proceedings – Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 20, 2007.

- Anderson, K., Maranto, K., Potysman, K., Stauffer, C., **Dart, L**. *Teaching young School-age children how to make healthful eating and active living choices*. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 21, 2006.
- Grinnan, M., Lewis, S., Rigby, C., Hampton, S., **Dart, L**. *Marketing strategies include nutrition education to improve hospital cafeteria sales*. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 21, 2006.
- Hominick, L., Meyer, B., **Dart, L**., Hampton, S., Sargent, J., Ranelle, C. *Factors affecting students' participation in school foodservice*. Conference Proceedings Poster Guide, pg. 6, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 21, 2006.
- Stervinou, J., **Dart, L.**, Hill, G., VanBeber, A., Gorman, M.A. *Nutritional risk and overweight among independent elderly living in the community*. Conference Proceedings Poster Guide, pg. 7, College of Science and Engineering Student Research Symposium, Texas Christian University, Ft. Worth, TX, April 21, 2006.
- <u>Kistler, K.</u>, M.A. Gorman, **L. Dart,** A. VanBeber. *Diet and Caries Prevalence in Rural Guatemalan Children*. Symposium Proceedings, pg. 5, College of Science and Engineering, Student Research Symposium 2005, Texas Christian University, Fort Worth, TX, April 22nd.
- Bowden, A., A. Gilley, C. Stauffer, L. Dart, J. Sargent, S. Hampton, C. Ranelle. *School-based program for promoting healthy lifestyle practices and obesity prevention*. Symposium Proceedings, pg. 5, College of Science and Engineering, Student Research Symposium 2005, Texas Christian University, Fort Worth, TX, April 22nd.
- Southall, S., R. Vest, **L. Dart**, M.A. Gorman. *Nutrient Intake of Individuals with Alzheimer's Disease*. Symposium Proceedings, pg. 5, College of Science and Engineering, Student Research Symposium 2005, Texas Christian University, Fort Worth, TX, April 22nd.

- Bowden, A., A. Gilley, C. Stauffer, L. Dart, J. Sargent. *Birdville Independent School District Healthy Lifestyle Program*. Symposium Proceedings, pg. 37, College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.
- <u>Hunter, V., E. Sullivan,</u> **L. Dart**, S. Hampton, A. Ward, A. Hunt, M. Maslanka, M. Brooks. *Effects of a Steady diet on Body Weight and Nutrient Intake for North American Black Bears*. Symposium Proceedings, pg. 39, College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.
- Kaszynski, E., S. Wooldridge, L. Dart, S. Hampton, P. Bradley, P. Frable. Family Patterns of Diet Intake & Body Mass Index in a High-Risk Community for Overweight / Obesity & Chronic Disease. Symposium Proceedings, pg. 40, College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.
- Key, J., A. Longoria, L. Dart, S. Hampton, A. Ward, A. Hunt, M. Maslanka, M. Brooks. *Caloric and Macronutrient Requirements for the Captive Cheetah*. Symposium Proceedings, pg 40,

College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.

<u>Paquette, N., H. Wallis, H. Wallis, M.A. Gorman, L. Dart.</u> Determination of Eating Attitudes of Varsity Collegiate Swimmers. Symposium Proceedings, pg. 41, College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.

<u>Hill, J., A. Morris, P. Frable, P. Bradley, L. Dart. The Healthy Weigh: Transforming Ways Students Understand Research.</u> College of Health Sciences – Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 23rd.

<u>Huffman, C., K. Li, J. Mangelsdorf, B. Willman, L. Dart.</u> *Body Composition Profiles of Overweight and Obesity in Multiethnic Elderly Females*. Symposium Proceedings, pg. 34, College of Science and Engineering, Student Research Symposium 2003, Texas Christian University, Fort Worth, TX, April 24th.

Sharkey, D., M. Swain, L. Dart. Animal Nutrition at the Fort Worth Zoo. Symposium Proceedings, pg.38, College of Science and Engineering, Student Research Symposium 2003, Texas Christian University, Fort Worth, TX, April 24th.

Revercomb, J., C. Thomas, L. Dart. Comparison of Eating Patterns and Lifestyle Practices in an Ethnically Diverse Population of Adults in Texas. Symposium Proceedings, pg 37, College of Science and Engineering, Student Research Symposium 2003, Texas Christian University, Fort Worth, TX, April 24th.

15. DEVELOPMENT OF MATERIALS AND RELATED RESPONSIBILITIES ASSOCIATED WITH PROFESSIONAL PROGRAMS IN NUTRITION:

a. Food Management Program (Activities associated with responsibilities as Program Director):

2012-2017 Coordinate Food Management Program and supervised practical experience learning outcomes for fall and spring semester internships with Fort Worth/Dallas food, nutrition and dietetics systems/service organizations.

<u>2016 – 2017 Internships:</u> Pappasito's, Panther Island Brewing Co., Grace, MELT, Omni Hotel, TCU Fueling Station, Tarrant Area Food Bank, HG Supply Co., Grand Cru, TCU BLUU.

2014 – 2015 Internships: TCU Fueling Station, Culinary School of Fort Worth, Sprouts Farmers Market, Culinary Medicine Program (Moncrief Cancer Institute), Community Food Bank, BLUU, Ben E. Keith Corporation, Torchy's Tacos, Central Market, Texas Agrilife Extension Services and Fort Worth Independent School District, Athletic Apex, Young Chef's Academy, Foodie Magazine.

<u>2013-2014 Internships</u>: Young Chefs Academy, Pappas Restaurants, Inc, Uncle Julio's Corp., Torchy's Tacos, Foodie Magazine, Central Market, Athletic Apex, T Suz Cuisine, Joe T. Garcia's Restaurant, Lanny's Alta Cocina Mexicana, Ellerbe's Fine Foods.

<u>2012-2013 Internships</u>: Z's Café, Fort Worth Arts Council, T Suz Cuisine, Chellie B's Sweet Events, Sodexho, Lanny's Alta Cocina Mexicana. Elle's Pastry Boutique.

2009-2011 <u>2011-2012 Internships:</u> Crème de la Crème Bakery, Rahr Brewing Company, Z's Café, Lanny's Alta Cocina Mexicana

<u>2010-2011 Internships</u>: Sublime Bakery, Elisa Project, Starbuck's, Culinary School of Fort Worth, Rahr Brewing Company, Ibiza Restaurant

<u>2009-2010 Internships</u>: Birville Independent School District – Child Nutrition Program, Early Childhood Intervention, Texas AgriLife Extension.

2006-2007

Food Management Program degree plan revisions/changes to include combined didactic and supervised practical experience (900-1000 hours), with competency and skill-related certification.

b. Didactic Program in Dietetics (Activities associated with responsibilities as Program Director):

2004-2007

Dart, L. Didactic Program in Dietetics Pass Rate Improvement Plan: 2007-2010, Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association (ADA), March, 2007.

Dart, L., VanBeber, A. *WEAVE Online Assessment Management System* for the Coordinated Program in Dietetics, Didactic Program in Dietetics, and Food Management Program, 2006-2007.

Dart, L. 2001-2005 Program Assessment Report (PAR) of the TCU Didactic Program in Dietetics, Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association (ADA), May, 2006.

Dart, L. CADE (Commission on Accreditation of Dietetics Education) Annual Report (completed in the fall semester of each year: 2004-2007).

c. Coordinated Program in Dietetics:

2005

VanBeber, A., **Dart, L**. A Proposed Feasibility Study to Investigate the Practicality of Implementing a Master's Degree Option within the Department of Nutritional Sciences at TCU to Meet the Proposed American Dietetic Association's Education and Credentialing Requirements for Registered Dietitians, Vision in Action (VIA) Grant Proposal, Fall 2005.

d. TCU Department of Nutritional Sciences Advisory Boards - External Constituents:

2014-2016 NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, Spring 2016.

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, Fall 2015.

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 2014.

2010-2011 Annual NTDT Advisory Board Meeting: Members include Dietetics and

Nutrition professionals from the community, Texas Christian University, May 8, 2011.

2009-2010

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 11, 2010.

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 10, 2009.

Didactic Program in Dietetics Advisory Committee Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, February 27, 2009.

2006-2008

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 13, 2008.

Didactic Program in Dietetics Advisory Committee Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, June 25, 2007.

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 17, 2007.

Annual NTDT Advisory Board Meeting: Members include Dietetics and Nutrition professionals from the community, Texas Christian University, May 18, 2006.

16. EDITORSHIPS, CONSULTANTSHIPS, PROFESSIONAL AND CREATIVE ACTIVITIES, AND PROFESSIONAL ENGAGEMENTS:

Professional and Creative Activities (not listed prior):

2014-2017

- Chair, Texas Academy of Nutrition and Dietetics, Annual Conference & Exhibition Research & Education
- Faculty Facilitator for Interprofessional Education Initial and Intermediate Activities @ UNT Health Science Center, Spring, 2016
- TeamSTEPPS: Strengthening Teamwork In Our Work Settings. Invited Speaker for Student Workshops, January 20th and 22nd, 2015
- Faculty Facilitator for Interprofessional Education Initial and Intermediate Activities @ UNT Health Science Center, Spring and Fall, 2015

- TeamSTEPPS in Practice: Classroom and Clinical Applications. Invited Speaker, Harris College Interprofessional Research, Education and Practice Council. TCU, December 11th, 2014.
- TeamSTEPPS Faculty Workshop. Invited Speaker, Harris College Interprofessional Research, Education and Practice Council, TCU, October 31st 2014.

- Interprofessional Education Curriculum Committee, Member. Co-organized and Faculty Facilitator for Initial and Intermediate IPE student activities. UNTHSC: August 27th, September 3, October 1, 2014.
- TeamSTEPPS Master Training Course. University of Minnesota, August 6-7, 2014
- Nutrition and Hunger for Aging Adults. Invited Panelist, TCU Center for Community Involvement and Service-Learning, February 18, 2014.
- Interprofessional Research, Education and Practice Council, Member Spring, 2013-2014: Co-organized TCU and UNTHSC collaboration for advancing health professions student practice.
- Strengthening Community Food Security and Local Food Systems as Solutions to Causes of Hunger, invited presentation for panel "Realities and Resources: A Panel on Hunger" sponsored by TCU student organization Frogs For Food, March 27, 2013

- TCU's Big Idea Spring, 2011 Spring, 2012: Team Collaboration includes Preliminary and Final Proposal *Transforming Campus and Community Through Community Engaged Learning and Scholarship* was selected by Quality Enhancement Council as one of four team finalists to move forward with final proposal in May, 2012.
- Co-Organizer for Conference and Community Health Student Expo. Promoting Health and Wellness though Community-Campus Partnerships: Combining Our Strengths For A Better Tomorrow. Co-hosted by: TCU Center for Community Involvement & Service-Learning, UNT Health Science Center, Texas Prevention Institute. Texas Christian University, Fort Worth, TX; April 11-13, 2012.
- TCU Review Committee for William L. Adams Center for Writing: Five Year Program Academic Review and Report, Spring, 2012.

2009-2010

 Service-Learning Best Practices. Center for Community Involvement and Service-Learning – 2009 Annual Service-Learning Workshop. Panel Speaker about Best Practices in Service-Learning Initiatives; Texas Christian University, March 5-6th, 2009

- Developed and submitted Tarrant County Master Gardener Recognition and Award Packets for the *Community Gardener Curriculum and Garden Program*: (1) 2009 Search of Excellence Award (International Association of Master Gardeners), (2) 2008 Educational Program Award (AgriLife Extension, Texas A&M System), (3) 2009 Texas Dietetic Association Bluebonnet Award, and (4) 2009 Fort Worth Dietetic Association Special Project of the Year; October 2008.
- Community-Engaged Scholarship Faculty Development Charrette; University of North Carolina at Chapel Hill, May 28-30, 2008.
- Undergraduate Public Health Curriculum Development Institute; Crystal City, VA, July 14-15, 2008.
- *How Service-Learning Affects Students*, presented at TCU Teaching and Learning Conversations, Friday, Nov. 16, 2007; Smith Hall, Texas Christian University.
- Interdisciplinary Gerontology Curriculum Committee: collaboration and curriculum development for proposed TCU Interdisciplinary Healthy Aging Minor; Fall, 2008.
- Community Involvement and Service-Learning Task Force collaboration in developing *Service-Learning at TCU* assessment for faculty, and *Service-Learning Evaluation* for Students; Spring 2007.
- Developed and initiated program changes for new NTDT Food Management Program starting Fall, 2007.
- Evaluation Committee collaboration in developing/implementing *Online SPOT Evaluation Pilot Study*, Fall, 2006-Spring, 2007.

- Submitted proposal for TCU interdisciplinary Summer Abroad Program in Santiago and Temuco, Chile, 2006 *Global Perspectives in Health: Chile*. Submitted October 10, 2005.
- Department of Nutritional Sciences Hosted Workshop: *Children, The Feeding Relationship and Weight*. Ellen Satter, MS, RD, LCSW; October 7th, 2005.
- Developed and presented Healthy Weigh/*El camino saludable* research to Nursing and Nutrition faculty at Universidad Mayor, Temuco, Chile, June 2005.
- Developed and initiated proposal for interdisciplinary summer abroad program in Chile (2006) for nutrition and nursing students studying public health issues in rural communities, Spring 2005.
- Developed Healthy Weigh/*El camino saludable* Family Cooking Classes at TCU, Spring 2005.
- Developed *Contemporary Issues in Nutrition (NTDT 10003)* for TCU new core Curriculum, Fall 2005.

2002-2004

- Interdisciplinary collaboration in developing summer abroad program, *A Taste of Two Countries* (Food and Culture in France and Spain), Spring 2004.
- Research collaboration with TCU Nursing in developing and implementing a community-based obesity prevention and intervention: *Healthy Weigh/El camino saludable Phase 1 and Phase 2*; 2003-2004.
- Research collaboration with colleague at Zayed University (Abu Dhabi, United Arab Emirates): *The Relationship Between Lifestyle Practices, Food Choices and the Prevalence of Obesity in Adult Male and Female Emirati*; 2003.
- Developed proposal for a pre-professional organization for the International Federation of Home Economics: *IFHE Student and Pre-professional Affiliate*; 2002-2003.

Nutrition and Dietetics Consultant:

- Nutrition and Dietetics Consultant for the Reynolds IGET-IT Next Steps Grant Innovation Teams I, II, and III for Interprofessional Education and Practice of Health Professions Students, Fort Worth TX., 2013-2017.
- Nutrition and Dietetics Consultant for the *Workforce Enhancement in Healthy Aging and Independent Living (WE HAIL)* grant, funded by the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), 2014 2017.
- Nutrition Education Programs and Research Consultant, Pediatric Clinic at University of North Texas Health Science Center, Fort Worth, TX., 2014-2017.
- Nutrition and Dietetics Education Consultant, United Way of Tarrant County: *Healthy Aging and Independent Living* Grant and Education Consultant, Meal on Wheels, Inc. of Tarrant County, Spring-Fall, 2010 2017.
- Nutrition and Dietetics Consultant for the Reynolds IGET-IT Next Steps Grant Innovation Teams I, II, and III for Interprofessional Education and Practice of Health Professions Students, Fort Worth TX., 2013-2016.
- Nutrition and Dietetics Consultant for the *Workforce Enhancement in Healthy Aging and Independent Living (WE HAIL)* grant, funded by the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), 2014 2016.
- Nutrition Education Programs and Research Consultant, Pediatric Clinic at University of North Texas Health Science Center, Fort Worth, TX., 2014-2016.
- Nutrition and Dietetics Education Consultant, United Way of Tarrant County: *Healthy Aging and Independent Living* Grant and Education Consultant, Meal on Wheels, Inc. of Tarrant

- County, Spring-Fall, 2010 2016.
- Dannon Company, Inc: 2011 Next Generation Nutrition Programs Grant and Education Consultant, Texas AgriLife Extension, Spring, 2012.
- Dannon Company, Inc: 2010 Next Generation Nutrition Programs Grant and Education Consultant, Tarrant Area Food Bank, Spring-Fall, 2010.
- Dietetics Consultant, Homes of Todd and Friends, Fort Worth, TX; 2009-2010.
- Nutrition Education Programs and Research Consultant, Tarrant Area Food Bank, Fort Worth, TX; 2002-2014.
- Dietetics Consultant, Tarrant Area Food Bank Community Kitchen, Fort Worth, TX, 2009-2010.
- Dannon Company, Inc: 2009 Next Generation Nutrition Programs Grant and Education Consultant, Tarrant Area Food Bank, Spring, 2009.
- Dannon Company, Inc.: 2009 Next Generation Nutrition Programs Grant and Education Consultant, Texas AgriLife Extension, Spring, 2009.
- Dannon Company, Inc.: 2008 Next Generation Nutrition Programs Grant and Education Consultant, Tarrant Area Food Bank, Spring, 2008.
- 2007 Next Generation Nutrition Programs Grant and Education Consultant, Big Brothers Big Sisters of North Texas and Dannon Company, 2006-2007.
- Research and Nutrition Education Consultant, Lockheed Martin Recreation Association, Ft. Worth, TX; 2006-2007.
- Research and Nutrition Education Consultant, Child Nutrition Program, Birdville Independent School District, Fort Worth, TX; 2003-2007.
- Nutrition and Research Consultant, Senior Citizen Services of Greater Tarrant County, Inc., Fort Worth, TX; 2001-2007.
- Nutrition and Research Consultant, Department of Nutrition Services, Fort Worth Zoo, Ft. Worth, TX; 2002-2004.
- Nutrition Consultant, TCU Rise and Starpoint Schools, Ft. Worth, TX; 2002-2003.

Editorships:

- Poster Abstract Reviews: Texas Dietetic Association Food and Nutrition Conference & Exposition, San Antonio TX, April 12-14, 2012.
- Child Feeding Practices and Nutrition Education Needs of Latino Parents in South Carolina. *Family and Consumer Sciences Research Journal*, 2009.
- Consumers' Knowledge and Perceived Understanding of MyPyramid 2005: A Challenge for Nutrition Educators in Texas. *Texas Association of Family and Consumer Sciences (TAFCS) Research Journal*, 2008.
- Sensory Evaluation of Soy Sugar Cookies by Sam Houston State University Community. Texas Association of Family and Consumer Sciences (TAFCS) Research Journal, 2008.
- Predicting Intentions to Eat a Healthful Diet by College Baseball Players; Applying the Theory of Planned Behavior. *Family and Consumer Sciences Research Journal*, 2008.
- Teaching the AAFCS Body of Knowledge Experientially: An Interdisciplinary Graduate Course. Program Proposal for Texas Association of Family and Consumer Sciences (TAFCS) Annual Meeting, 2008.
- The Relationship Between Family Meals and Body Mass Index Among Adolescents in San Augustine County Texas. Program Proposal for Texas Association of Family and Consumer Sciences (TAFCS) Annual Meeting, 2008.
- Brit's Story: Living with Activity Related Anorexia Nervosa. Program Proposal for Texas Association of Family and Consumer Sciences (TAFCS) Annual Meeting, 2008.

- Assessment of Food Safety Education Needs of Low Income Families. Texas Association of Family and Consumer Sciences (TAFCS) Research Journal, 2007.
- Nutrition in Chiropractic College Curricula: *Texas Association of Family and Consumer Sciences (TAFCS) Research Journal*, 2007.
- Eating and Physical activity practices in overweight and obese children: compliance with USDA food guide pyramid and with NAPSE physical activity guidelines for children. Original Research: *Nutrition Research Journal*, 2005.

2002-2004

- Food Practices and Preferences of Thais in the United States. Research Abstract: IFHE XXth World Congress 2004, Kyoto, Japan; 2003.
- Helping Others Benefit from your International Travel. Practitioner's Paper: IFHE XXth World Congress 2004, Kyoto, Japan; 2003.
- Financial Education and the Use of Advanced Health Insurance Plans among Female Employees. Research Abstract: IFHE XXth World Congress 2004, Kyoto, Japan; 2003.
- *Multicultural Learning Outcomes Through Concept Mapping*. Research Abstract: IFHE XXth World Congress 2004, Kyoto, Japan; 2003.
- Community Inclusion for Young Children with Disabilities. Practitioner's Paper: IFHE XXth World Congress 2004, Kyoto, Japan; 2003.
- Teaching Infant Nutrition Using Specialized Fact Sheets. Texas Association of Family and Consumer Sciences (TAFCS) Annual Meeting Proposals and Research Journal, 2003.

Professional Engagements: (Attendance at Scholarly Meetings)

2015-2016

- Texas Academy of Nutrition and Dietetics Conference & Exposition, Arlington TX, April 28-29, 2016.
- Annual Appreciation Luncheon for Facility Preceptors, "Communication for Leadership Development" by Tyler Fisher, TCU Department of Nutritional Sciences, April 26, 2016.
- Award Ceremony, College of Science and Engineering Michael and Sally McCracken Annual Student Research Symposium, "The Promise of a Visionary Scientific Approach" by Connie Guttersen, PhD, RD, TCU, April 8th, 2016.
- Collaborating Across Borders V Conference, Roanoke, VA, September 29, 2015.
- Texas Academy of Nutrition and Dietetics Conference & Exposition, Houston TX, April 8-10th, 2015.
- University of Texas Kenneth I. Shine, M.D. Academy of Health Science Education 2015 Innovations Conference. Austin, TX. February 19th-20th.
- Tarrant Area Academy of Nutrition and Dietetics Monthly Member Meetings (2015: January-May; August – December)

- Tarrant Area Academy of Nutrition and Dietetics Monthly Member Meetings (2014: January-May; August – December)
- DFW Area Dietetics Spring Seminar, Colleyville TX, February 28, 2014
- Texas Academy of Nutrition and Dietetics Conference & Exposition, Austin, TX, April 12-14, 2013.
- TCU Center for Community Involvement & Service-Learning Workshop: Dr. Char Grey, Campus Compact Trends in Community Engagement; TCU March 6th, 2013.
- Tarrant Area Food Bank's Annual Agency Conference, Fort Worth, TX; August 27, 2013.
- Fort Worth Dietetic Association Monthly Member Meetings (2013: January May)

- Fort Worth Dietetic Association Scholarship Fundraiser Event, Preservation Hall, Fort Worth, TX, October 18th, 2012.
- Promoting Health and Wellness though Community-Campus Partnerships: Combining Our Strengths For A Better Tomorrow. Co-hosted by TCU Center for Community Involvement & Service-Learning, UNT Health Science Center, Texas Prevention Institute. Texas Christian University, Fort Worth, TX; April 11-13, 2012.
- Texas Dietetic Association 2012 Food and Nutrition Conference & Exposition, San Antonio, TX, April 12-14, 2012.
- Fort Worth Dietetic Association Monthly Member Meetings (2012: January April and September December)

2010-2011

- 2011 Annual Conference Meals On Wheels Association of Texas, Hilton Hotel, Fort Worth, TX; April 13-15, 2011.
- Texas Dietetic Association 2011 Food and Nutrition Conference & Exposition, Dallas, TX, April 7-9, 2011.
- Conference on Service-Learning for Sustainability and Social Justice. TCU Center for Community Involvement and Service-Learning, Texas Christian University, Fort Worth, TX; March 31-April 1, 2011.
- Fort Worth Dietetic Association Monthly Member Meetings (2011: January April and September December)

2009-2010

- Texas Dietetic Association 2010 Food and Nutrition Conference & Exposition, Dallas, TX, March 18-20th, 2010.
- Fort Worth Dietetic Association Scholarship Fundraiser Event, Rahr Brewery, Fort Worth, TX, October 7th, 2010.
- Fort Worth Dietetic Association Member Meetings (2010: January, April, August, September)
- College of Science and Engineering Student Research Symposium, Texas Christian University, April 16, 2010.
- Fort Worth Dietetic Association Member Meetings (2009: February, April, August, October)
- College of Science and Engineering Student Research Symposium, Texas Christian University, April 17, 2009.
- Texas Dietetic Association 2009 Food and Nutrition Conference & Exposition, Austin, TX, April 19-21, 2009.

- College of Science and Engineering Student Research Symposium, Texas Christian University, April 18, 2008.
- Texas Dietetic Association 2008 Food and Nutrition Conference & Exposition, Houston, TX, April 25-27, 2008.
- Texas Association of Family and Consumer Sciences Annual Meeting, Addison TX, February 27-March 3rd, 2008.
- American College of Preventative Medicine and the Association of Prevention Teaching and Research: Teaching Prevention 2008, Austin, TX; February 12-15th, 2008.
- College of Science and Engineering Student Research Symposium, Texas Christian University, April 20, 2007.
- Texas Dietetic Association 2007 Food and Nutrition Conference & Exposition, Frisco, TX,

- March 30-April 1st, 2007.
- National Conference on Undergraduate Research, Dominican University of California, San Rafael, CA, April 12-14th, 2007.
- National Conference on Civic Engagement, Texas Campus Compact, Austin, TX, February 15-19th, 2007.

- National Prevention Summit, Center for Disease Control and Prevention; Washington, DC, October, 25-28th 2006.
- Phi Upsilon Omicron Biennial Conclave, Grapevine, TX, September 30, 2006.
- College of Science and Engineering, Student Research Symposium 2006, Texas Christian University, Fort Worth, TX, April 21st.
- Texas Dietetic Association 2006 Food and Nutrition Conference & Exposition, Woodlands, TX, April 6-8th.
- College of Science and Engineering, Student Research Symposium 2005, Texas Christian University, Fort Worth, TX, April 22nd.
- Texas Dietetic Association 2005 Food and Nutrition Conference & Exposition, Austin, TX, April 10-13th.

2003-2004

- Healthy Women, Healthy Lives Conference. Fort Worth, TX, November, 6th, 2004.
- Council on Undergraduate Research CUR Institute on Institutionalizing Undergraduate Research, College of New Jersey, Ewing NJ, October 22-24, 2004.
- College of Science and Engineering, Student Research Symposium 2004, Texas Christian University, Fort Worth, TX, April 22-23rd.
- 18th National Conference on Undergraduate Research, Purdue University, Indianapolis, IN, April 15-17th, 2004.
- Texas Dietetic Association 2004 Food and Nutrition Conference & Exposition, Arlington, TX, April 2-5th.
- Fort Worth Dietetic Association Spring Seminar, Texas Christian University, Fort Worth, TX, March 5, 2004.
- American Association of Family and Consumer Sciences Annual Convention, Washington, DC, June 28-July 1, 2003.
- American College of Sports Medicine 50th Annual Meeting, San Francisco, CA, May 28-31, 2003.
- College of Science and Engineering, Student Research Symposium 2003, Texas Christian University, Fort Worth, TX, April 24th.
- Texas Dietetic Association 2003 Food and Nutrition Conference & Exposition, Houston, TX, April 4th.
- Texas Association of Family and Consumer Sciences 85th Annual Meeting Promoting Family Vitality, February 27 March 1, 2003, Arlington, TX.
- International Federation of Home Economics (IFHE) Annual Meeting, January 31-February 4, 2003, Vienna, Austria.

- American Association of Family and Consumer Sciences Annual Convention, June 22-26, 2002, Dallas, Texas.
- International Federation of Home Economics Regions of Americas, 2002 Conference, June 20-21, 2002, Fort Worth, Texas.
- American College of Sports Medicine 49th Annual Meeting at St.Louis, MO, May 28-June 2, 2002.

- Texas Dietetic Association Annual Meeting and Trade Show, April 4-6, 2002, Dallas, Texas.
- 29th Annual Human Nutrition Conference, Texas A&M University, College Station, Texas, February 5th, 2002.
- Texas Student Dietetic Association Annual Meeting, October, 2001, Texas Christian University, Fort Worth, Texas.
- American College of Sports Medicine 48th Annual Meeting at Baltimore, MD, May 5-8, 2001.
- The Annual Research Symposium at Texas Woman's University, Denton, TX, April 4-6, 2001.
- Texas Human Nutrition Conference 28th Annual Meeting, Texas A&M University, College Station, Texas, February 4th, 2001.

17. ACADEMIC ADVISING ACTIVITIES:

2016-2017	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 43 students)
2014-2015	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 46 students)
2013-2014	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 35 students)
2012-2013	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 41 students)
2011-2012	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 39 students)
2010-2011	FOMA / NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 35 students)
2009-2010	NUTR-BS / FOMA (Freshmen, Sophomore, Junior, Senior status: 29 students)
2008-2009	NUTR-BS / FOMA (Freshmen, Sophomore, Junior, Senior status: 34 students)
2007-2008	NUTR-BS / FOMA (Freshmen, Sophomore, Junior, Senior status: 30 students)
2006-2007	NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 31 students)
	NUTR-BS Didactic Program in Dietetics applicants for Dietetic Internships: 6 students
2005-2006	NUTR-BS (Freshmen, Sophomore, Junior, Senior status: 33 students)
	NUTR-BS Didactic Program in Dietetics applicants for Dietetic Internships: 4 students
2004-2005	NUTR-BS (Freshmen, Sophomore, Junior status: 35 students)
2003-2004	NUTR-BS (Freshmen and Sophomore status: 30 students)

18. DEPARTMENTAL SERVICE:

2007-2016	Director, Food Management Program
2003-2016	Department of Nutritional Sciences Research Review Board, Chair
2014-2015	Member, Search Committee for Tenure Faculty position
2013-2014	Chair, Search Committee for Instructor position
2010-2011	Tenured Faculty Review Committee
2005-2010	NTDT Faculty Representative for Phi Upsilon Omicron - TCU Chapter
2007-2009	Secretary, Department of Nutritional Sciences
2004-2007	Director, Didactic Program in Dietetics
2003-2004	Budget and Inventory Committee, Chair
2002-2003	Faculty Advisory Committee, Chair
2002-2003	Budget and Inventory Committee, Member
2002	Committee Member, Faculty Search Committee, Management Coordinator Faculty
	Position
2001	Sigma Xi Speaker Selection Committee

19. COLLEGE SERVICE:

2016-2017	CSE Honors Research Symposium Committee, Member
2004-2017	College of Science and Engineering Student Research Symposium Committee, Member
2012-2015	College of Science and Engineering Advisory Council
2004-2010	Science and Engineering Research Center (SERC) Steering Committee for

	Undergraduate Research, Member
2003-2004	College of Science and Engineering Student Research Symposium Committee, Co-Chair
2002-2003	College of Science and Engineering Student Research Symposium Committee, Chair

20. UNIVERSITY SERVICE:

2015-2017	Committee Member, TCU-UNTHSC Medical School, Clinical Affairs Committee
2013-2017	Interprofessional Research, Education, and Practice Council (IPREP), Member
2012-2014	University Council, Member
2010-2012	Women's Studies Advisory Board, Member
2006-2013	Community Involvement and Service-Learning Faculty Steering Committee, Member
2009-2012	Undergraduate Council, Member
2005-2012	Evaluation Committee, Member
2008	Faculty Tenure Hearing Committee
2007-2008	Academic Excellence Committee, Member
2007-2008	Curriculum Committee for Interdisciplinary Minor in Healthy Aging, Member
2005-2008	Faculty Senate, Representative Senator for College of Science and Engineering
2005-2008	Graduate Council, Member
2005-2007	Faculty Senate Committee on Committees, Member
2004-2005	Evaluation Committee, Chair
2002-2005	Research Mentor with the TCU Ron E. McNair Post Baccalaureate Achievement
	Program

21. COMMUNITY ACTIVITIES DIRECTLY RELATED TO PROFESSIONAL SKILLS:

Board of Director / Advisory Board / Community Coalitions

- Fort Worth Blue Zones Project, Food Policy Implementation Committee 2014-2017
- UNTHSC Interprofessional Education and Practice Curriculum Committee 2014 2017
- Senior Citizen Services of Tarrant Count, Board of Directors 2015-2017
 - Chair, Senior Citizen Services of Tarrant County Long-Term Strategic Planning Committee
 - o Senior Citizen Services of Tarrant County Programs Committee
- Member of the HRSA WE HAIL Grant, Innovation 5 Team. University of North Texas Health Science Center (UNTHSC), Tarrant County Hospital District doing business as JPS Health Network (JPS), the United Way of Metropolitan Tarrant County Area Agency on Aging (AAATC) and Texas Christian University (Harris College of Nursing and Health Sciences and College of Science and Engineering, Department of Nutritional Sciences), 2015-2017
 - o Chair, Evaluation Committee
- Member of the Reynolds Next Steps Grant Innovation Teams I, II, and III for Interprofessional Education and Practice of Health Professions Students. Grant collaboration between the University of North Texas Health Science Center (UNTHSC), Texas College of Osteopathic Medicine (TCOM), UNT System College of Pharmacy, UNTHSC School of Health Professions, and TCU Department of Nutritional Sciences and Harris College of Nursing and Health Sciences, 2013-2017
- Tarrant County Food Policy Council, Board of Directors, 2013-2017
 - o Tarrant County Food Policy Council Working Groups: (1) Chair, Community Food Security Assessment, (2) Community Gardens and Urban Agriculture, 2012-2017
- Tarrant Area Food Bank Community Gardening Committee, 2010-2014
- Advisory Committee for Tarrant County College: Culinary Arts, Dietetics, and Hospitality Management Program 2007-2013

- Colorful Life Coalition, Tarrant County Public Health –2012-2013
- Tarrant Area Food Bank Food Safety Advisory Board 2009-2012
- Senior Citizen Services of Tarrant County, Member Board of Directors 2003-2009
- Tarrant Area Food Bank, Member Board of Directors 2003-2009
 - o Executive Board of Directors 2007-2009
 - o Secretary, 2007-2008
- Advisory Committee for Tarrant Area Food Bank Community Kitchen 2006-2010
- Didactic Program in Dietetics at Texas Woman's University, Member Advisory Board: 2005-2008

Community Events & Presentations

2016-2017

- TCU Wellness Gold program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students, Texas Christian University, Spring 2017.
- Faculty Coordinator for TCU nutrition and dietetics students' education and training sessions for the Culinary Medicine program, Texas Christian University, Spring 2017.
- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students, Texas Christian University, Spring, 2017.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, Spring, 2017

2015-2016

- TCU Wellness Gold program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students, Texas Christian University, Spring 2016.
- Faculty Coordinator for TCU nutrition and dietetics students' education and training sessions for the Culinary Medicine program, Texas Christian University, Spring 2016.
- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students, Texas Christian University, Spring, 2016.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, Spring, 2016
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, Spring, 2016.
- TCU Wellness Gold program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2015.
- Faculty Coordinator for TCU nutrition and dietetics students' education and training sessions for the Culinary Medicine program at Moncrief Cancer Institute, Spring 2015.
- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students; Texas Christian University, Spring, 2015.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, Spring, 2015
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, Spring, 2015.

- TCU Wellness Gold Food Challenge and TCU Coordinated Program in Dietetics junior students, TCU Alumni Center, November 19, 2014.
- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students; Texas Christian University, May 1, 2014.

- TCU Wellness Gold program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2014.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, April 11th, 2014
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 3, 2014.
- TCU Wellness Gold Food Challenge and TCU Coordinated Program in Dietetics junior students, TCU Alumni Center, November 20, 2013.
- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students; Texas Christian University, May 2, 2013.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, April 19th, 2013.
- TCU Wellness Spot organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2013.
- TCU Wellness Gold program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2013.
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 4, 2013.

- TCU Wellness Gold Food Challenge and TCU Coordinated Program in Dietetics junior students, TCU Alumni Center, November 26, 2012.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics junior students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, November 10, 2012.
- Fort Worth Dietetic Association Scholarship Endowment Fundraiser event and TCU Coordinated Program in Dietetics junior students: "*Laisezz le bom temp roulez*", Fort Worth, TX; October 18, 2012.

2011-2012

- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students; Texas Christian University, May 3, 2012.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, April 20th, 2012.
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 5, 2012.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics junior students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, November 5, 2011.
- Fort Worth Dietetic Association Scholarship Endowment Fundraiser event and TCU Coordinated Program in Dietetics junior students: "Cooking Matters: Working Together to Empower a Community"; Tarrant Area Food Bank, Fort Worth, TX; October 6, 2011.

- Department of Nutritional Sciences Preceptor Appreciation Luncheon: organized and coordinated by TCU Coordinated Program in Dietetics senior and junior students; Texas Christian University, April 29, 2011.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, April 13-15th, 2011.
- TCU Health & Wellness Promotion organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2011.
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 7, 2011.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice and Volunteers: organized and coordinated NTDT student volunteers, April 14-16th, 2010.

- Early Childhood Intervention (ECI) Marketing Video: ECI and Dietetics Student Internships, January 20th, 2010.
- TCU Health & Wellness Promotion and Food Fair organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2010.
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 8, 2010.
- Como Community Garden Celebration presented by TCU Coordinated Program in Dietetics junior students; Como Community Garden, Fort Worth, TX, November 30, 2010.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics junior students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, November 6, 2010.
- Fort Worth Dietetic Association Scholarship Endowment Fundraiser event and TCU Coordinated Program in Dietetics junior students: "Octoberfest"; Rahr Brewery, Fort Worth, TX; October 7, 2010.

- Tarrant Area Food Bank: Sustainable Food Systems for Partner Agencies Workshop organized and presented by TCU Coordinated in Dietetics senior students; Tarrant Area Food Bank, Fort Worth, TX, November 30, 2009.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics Students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, November 7, 2009.
- Fort Worth FitFuture Kids Fest, 2009. Fort Worth Dietetic Association; Will Rodgers Coliseum, Ft. Worth, TX, September 26, 2009.
- TCU College of Science and Engineering, Student Research Symposium Event Foodservice: organized and coordinated NTDT student volunteers, April 15-17th, 2009.
- Professional Seminar for DFW Students and Interns; Baylor Medical Center, April 9, 2009.
- Fort Worth Dietetic Association Scholarship Endowment Fundraiser event and TCU Coordinated Program in Dietetics Students: "Slow Food, Local Food: The Artisan Approach"; Fort Worth YMCA, February 9, 2009.
- TCU National Nutrition Month Promotion, Wellness Fair, Nutrition Assessments and TCU Coordinated Program in Dietetics Students; Texas Christian University, March 2009.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics Students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, October 25, 2008.
- Fort Worth FitFuture Kids Fest, 2008. Fort Worth Dietetic Association; Will Rodgers Coliseum, Ft. Worth, TX, October, 9, 2008.
- Fort Worth Dietetic Association Scholarship Endowment Fundraiser event and TCU Coordinated Program in Dietetics Students: "Wine, Cheese, and Chocolate A Pairing Experience"; Lockheed Martin Brazos Ballroom, February 22, 2008.
- Fort Worth Dietetic Association and TCU Coordinated Program in Dietetics Students: Ask-A-Dietitian event for National Nutrition Month; Fort Worth Public Library, March 29, 2008.
- Texas AgriLife Extension Service and TCU Coordinated Program in Dietetics Students: 4-H Food Challenge event; TCU Nutritional Sciences Kitchens, April 5, 2008.

- Fort Worth FitFuture Kids Fest, 2007. Fort Worth Dietetic Association and TCU Coordinated Program in Dietetic Students; Will Rodgers Coliseum, Ft. Worth, TX, November, 3, 2007.
- Nutrition Care Process Workshop, Texas Christian University Department of Nutritional Sciences, January 23, 2007.
- Nutritional Sciences Green Honors Chair scheduled events, Texas Christian University, February 5th-6th, 2007.
- Annual Professional Seminar for Dallas Area Students and Interns, Baylor University Medical Center, April 5th, 2007.
- Tarrant Area Food Bank Empty Bowls Fund Raising Event, 2005-2007.

- Outstanding Citizen for Seniors Award Banquet, November 8, 2006.
- Tarrant Area Food Bank Board of Directors Retreat, Texas Christian University, June 17, 2006.
- Senior Citizen Services of Tarrant County, Resource Connection Health and Wellness Center Inaugural Ceremony, May 24, 2006.
- Fort Worth FitFuture Kids Fest, 2006. Fort Worth Dietetic Association and TCU Coordinated Program in Dietetic Students; Will Rodgers Coliseum, Ft. Worth, TX, October, 7, 2006.
- TCU Magazine Interview *Creating Healthier Communities*: Lockheed Martin Recreation Association Educational Opportunities for TCU Coordinated Program in Dietetics Students; April, 2006.
- Annual Professional Seminar for Dallas Area Students and Interns, Baylor University Medical Center, 2004-2006.

- KLUV Interview Hunger and Effects of Hunger on Adults & Children, October 7, 2004.
- Cornerstone Community Center Health Fair, October 2, 2004.
- Tarrant Area Food Bank Workshop, June, 12 2004.
- Administration and data analysis of *Meal Satisfaction Survey* to senior centers participating in Congregate Meal Program for Senior Citizen Services of Tarrant County, TX, Spring 2004.
- Nutrient Data Analysis of *Cycle Menu* for Congregate Meal Program offered by Senior Citizen Services of Tarrant County, TX, Spring 2004.
- Presentation to Tarrant Area Food Bank "Thank You Luncheon' entitled "*Poverty, Nutrition, and Health Disparities*". Petroleum Club, Fort Worth, TX, March 30th, 2004.
- Presentation to TCU Harris School of Nursing entitled "The Healthy Weigh / El Camino Saludable: A Community Campus Partnership to Prevent Obesity"; September, 2003.
- Tarrant Area Food Bank, Agency Relations Committee 2003-2004.
- Presentation to Senior Alliance of Tarrant County entitled "Nutrition for Seniors"; May, 5th 2003.
- Presentation to United Way Metropolitan Tarrant Area Agency on Aging Long Range Planning Committee, Research in Aging; "Nutrition & Meal Programs for Older Adults in Tarrant County," March, 2003.
- Presentation to Fort Worth Zoo, Department of Nutritional Services entitled "Quality Control and Nutritional Analysis of Animal Feeds at the Fort Worth Zoo"; January, 2003.
- Dart, L., Hampton, S. Diet, Nutrition, and Public Health in Mexico. Presented at the TCU Student Nutrition and Dietetics Association, Fort Worth, TX, December 9th, 2002.
- Presentation to United Way Metropolitan Tarrant County Area Agency on Aging (Long Range Planning Committee, Research in Aging) entitled "Nutritional Risk in Older Adults"; March, 2002.
- Presentation to Senior Citizen Services of Tarrant County entitled "Nutritional Assessment of Senior Citizens Participating in Congregate Feeding Programs in Tarrant County"; April, 2002.

Community Education & Service-Learning (Department of Nutritional Sciences student participation and coordination in supervised educational activities and community involvement)

- *Blue Zones Grocery Store Tours –* 12-week program involving senior dietetics students conducting grocery store tours for community groups. Fort Worth, TX, Spring 2017.
- Seniors Assisting Geriatric Education (SAGE) interprofessional team-based program for junior and senior level dietetics students. Fort Worth, TX, Fall and Spring 2017.
- Culinary Medicine Program 6-Week interprofessional program involving senior dietetics students co-teaching medical and PA students (Texas College of Osteopathic Medicine) about healthy dietary practices and culinary skills. TCU, Fort Worth TX, Spring 2017.
- Senior Coordinated Program in Dietetics students: eight-week home visits and phone education

- and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2017.
- Seniors Assisting Geriatric Education (SAGE) interprofessional team-based program involving junior and senior level dietetics students and students from UNTHSC and TCOM medical school. Fort Worth, TX, Fall and Spring 2016.
- *Culinary Medicine Program* 6-Week interprofessional program involving senior dietetics students co-teaching medical and PA students (Texas College of Osteopathic Medicine) about healthy dietary practices and culinary skills. TCU, Fort Worth TX, Spring 2016.
- Senior Coordinated Program in Dietetics students: eight-week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2016.
- Seniors Assisting Geriatric Education (SAGE) interprofessional team-based program involving junior and senior level dietetics students and students from UNTHSC and TCOM medical school. Fort Worth, TX, Fall and Spring 2015.
- Culinary Medicine Program 6-Week interprofessional program involving senior dietetics students co-teaching medical, pharmacy, PA students (Texas College of Osteopathic Medicine) about healthy dietary practices and culinary skills. Moncrief Cancer Institute, Fort Worth TX, Spring 2015.
- Senior Coordinated Program in Dietetics students: eight-week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2015.
- Culinary Medicine Program 6-Week interprofessional program involving junior and senior dietetics students co-teaching second year medical and PA students (Texas College of Osteopathic Medicine and UNTHSC) about healthy dietary practices and culinary skills. Moncrief Cancer Institute, Fort Worth TX, Fall 2014.
- Senior Coordinated Program in Dietetics students: eight-week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Fall 2014.
- Culinary Medicine Program 4-Week pilot interprofessional program involving senior dietetics students co-teaching first year medical students (Texas College of Osteopathic Medicine) about healthy dietary practices and culinary skills. Moncrief Cancer Institute, Fort Worth TX, Spring 2014.
- Senior Coordinated Program in Dietetics students: eight week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2014.
- Senior Coordinated Program in Dietetics students: six week community education classes (*Cooking Matters* curriculum) at Tarrant Area Food Bank partner agencies, Spring, 2014.
- Senior Coordinated Program in Dietetics students: six week community education classes (*Cooking Matters* curriculum) at Tarrant Area Food Bank partner agencies, Spring, 2013.
- Senior Coordinated Program in Dietetics students: eight week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2013.
- Senior Coordinated Program in Dietetics students: TCU Wellness Spot Campaign (Nutrition education, mass communications / marketing, health assessments) for TCU students, faculty, and staff. Spring, 2013.
- TCU Wellness Gold four week program for faculty and staff organized and presented by TCU Coordinated Program in Dietetics senior students; Texas Christian University, Spring 2013.

 Nutrition students in NTDT Communication and Education in Food, Nutrition, and Dietetics: 7week session in Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students. Fall, 2012.

- Junior Coordinated Program in Dietetics students: participated in United Way funded home health care nutrition assessment and education program for Meals on Wheels of Tarrant County elderly clients (*Healthy Aging and Independent Living* initiative). Fall, 2012.
- Junior Coordinated Program in Dietetics students: community nutrition education 4-part video series for Senior Citizen Services of Tarrant County, Fall 2012.
- Senior Coordinated Program in Dietetics students: six week community education classes (*Cooking Matters* curriculum) at Tarrant Area Food Bank partner agencies, Spring, 2012.
- Senior Coordinated Program in Dietetics students: eight week home visits and phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2012.
- Senior Coordinated Program in Dietetics students: TCU Wellness Spot Campaign (Nutrition education, mass communications / marketing, health assessments) for TCU students, faculty, and staff. Spring, 2012.
- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students. Fall, 2011.
- Senior Coordinated Program in Dietetics students: six week community education classes (*Cooking Matters* curriculum) at Tarrant Area Food Bank partner agencies, Spring, 2011.
- Senior Coordinated Program in Dietetics students: eight week phone education and consultations for *Healthy Aging and Independent Living (HAIL)* Meals on Wheels of Tarrant County, Spring 2011.
- Senior Coordinated Program in Dietetics students: TCU Nutritional Health Campaign (Nutrition education, mass communications / marketing, health assessments) for TCU students, faculty, and staff. Spring, 2011.
- Senior Coordinated Program in Dietetics students: *Grocery Store Savvy* nutrition education session for Texas AgriLife Extension participants, Spring 2011.
- Junior Coordinated Program in Dietetics students: three-week nutrition and gardening education classes for *Tarrant Area Food Bank Community Garden Program* and the Community Agencies they serve, Fall 2011.

- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students. Fall, 2010.
- Junior Coordinated Program in Dietetics students: three-week community education classes for TAFB Garden Program: Como Community Involvement & Service-Learning grant (Growing Seeds curriculum) at Como Community Garden, Fall 2010
- Senior Coordinated Program in Dietetics students: TCU Health & Wellness Campaign (Nutrition education, mass communications / marketing, health assessments) for TCU students, faculty, and staff. Spring, 2010.
- Senior Coordinated Program in Dietetics students: Nutrition assessments and cycle menu planning for clients at Homes of Todd & Friends. Spring, 2010.
- Senior Coordinated Program in Dietetics students: six week community education classes (*Operation Frontline Eating Right* curriculum) at Tarrant Area Food Bank partner agencies, Spring, 2010.
- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students. Fall, 2009
- Junior Coordinated Program in Dietetics students: six-week community education classes (*Operation Frontline Eating Right* curriculum) at Tarrant Area Food Bank partner agencies, Fall 2009.

- Senior Coordinated Program in Dietetics students: Senior Citizen Services Diabetes Screening Initiative, Spring 2009.
- Senior Coordinated Program in Dietetics students: community education and *Operation Frontline Eating Right* classes at the Tarrant Area Food Bank, Spring 2009.
- Senior Coordinated Program in Dietetics students: development of the Children's Garden at the Community Garden (Tarrant County Resource Connection), Spring 2009.

- Senior Coordinated Program in Dietetics students: community education and *Gardening Classes* at Senior Citizen Services and development of the Community Garden at Resource Connection of Tarrant County, Spring 2008.
- Senior Coordinated Program in Dietetics students: community education and *Operation Frontline Eating Right* classes at the Tarrant Area Food Bank, Spring 2008.
- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Garden-Based Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students. Fall, 2008.
- Junior Coordinated Program in Dietetics students: Garden-Based Nutrition Education classes at New Lives School for Pregnant and Parenting Adolescents and development of the Community Garden at Resource Connection of Tarrant County, Fall 2008.
- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Food Science and Nutrition Education at TCU Starpoint School for 2nd and 3rd grade students, Fall, 2007.
- Junior Coordinated Program in Dietetics students: Instructors for Junior Master Gardeners training and education at Nash Elementary School, Fort Worth, TX, Fall, 2007.
- Senior Coordinated Program in Dietetics students: community education and development of the Community Garden at Resource Connection of Tarrant County, Spring 2007.
- Senior Coordinated Program in Dietetics students: nutritional assessments and education for employees at Lockheed Martin Aeronautics, Fort Worth, TX, Spring 2007.

- Senior Coordinated Program in Dietetics students: *Weigh-to-Go Program* and *Kitchen Development Project* at Lockheed Martin Recreation Association; Ft. Worth, TX, Spring, 2006.
- Nutrition students in NTDT Overview of Foodservice and Nutrition Care Systems: 8-week session in Food Science and Nutrition Education at TCU Starpoint School for 1st and 2rd grade students. Fall, 2006.
- Junior Coordinated Program in Dietetics students: 3-week nutrition education classes for 6th graders at FWISD and sponsored by Texas Cooperative Extension.
- Junior Coordinated Program in Dietetics students: Diet & Disease related presentations (10 weeks) for participants of Resource Connection Senior Citizen Center, Fort Worth, TX, Fall, 2006
- Junior Coordinated Program in Dietetic students: Kids Café Classes for after-school programs sponsored by Tarrant Area Food Bank, Fort Worth, TX. Fall, 2006.
- Junior Coordinated Program in Dietetics students: *DETERMINE Nutritional Risk* assessments for participants of Congregate Meal Program, Senior Citizen Services of Tarrant County, TX, Fall, 2005.
- Junior Coordinated Program in Dietetics students: six-week nutrition education at Pregnant Teens and Parenting Classes sponsored by Tarrant Area Food Bank, Fort Worth, TX. Fall, 2005.
- Senior Coordinated Program in Dietetics students: four-week Healthy Weigh Family Cooking sessions, Texas Christian University Nutritional Sciences kitchens, Spring 2005.
- NTDT Nutrition students: Healthy Weigh/*El camino saludable Phase 2* nutrition education, demonstrations, and snack preparation at Cornerstone Community Center, 2004-2005.

- Junior and senior Coordinated Program in Dietetics students: Healthy Weigh/*El camino saludable Phase 1* community research and family meal preparation at Cornerstone Community Center, 2003-2004.
- Junior and senior Coordinated Program in Dietetics students: nutrition education for the Childhood Obesity project at Birdville Independent School District, Child Nutrition Program, Fort Worth, TX, 2003-2004.
- Junior Coordinated Program in Dietetics students: research for the Fort Worth Zoo Nutrition Services (Black Bear Diet Study and Cheetah Diet Study) at the Fort Worth Zoo, Fort Worth, TX, Fall, 2003.

2001-2002

- Senior Coordinated Program in Dietetics students: implemented *Rate-Your-Plate Questionnaire* and Body Mass Index determinations for Fort Worth City Employees, Fort Worth, TX, Fall, 2002
- Senior Coordinated Program in Dietetics students: implemented *Rate-Your-Plate Questionnaire*, Bioelectical Impedance Analysis, and Body Mass Index for Annual National Conference of Zoo Personnel, Fort Worth, TX, Fall, 2002.
- Senior Coordinated Program in Dietetics students: Quality Control and Nutritional Analysis of Animal Feeds for the Nutrition Services at the Fort Worth Zoo, Fort Worth, TX, Fall, 2002.
- Senior Coordinated Program in Dietetics students: Nutritional Assessment of students enrolled in TCU Rise and Starpoint Schools for Developmental Disorders and Down's Syndrome, Fort Worth, TX, Fall, 2002.
- Junior and senior Coordinated Program in Dietetics students: research and Nutritional Assessment of Senior Citizens Participating in Congregate Feeding Programs in Tarrant County, TX, 2001-2002.

22. MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS (INCLUDE OFFICES HELD):

1980-2017	American Academy of Nutrition and Dietetics (American Dietetic Association)
2000-2017	AND - Dietetic Practice Groups in:
	Nutrition Educators of Health Professionals
	Nutrition and Dietetic Educators and Preceptors
2001-2017	Texas Academy of Nutrition and Dietetics (Texas Dietetic Association)
2001-2017	Tarrant Area Academy of Nutrition and Dietetics
	Nominating and Awards Committee (2012-2013)
	Chair, Nominating and Awards Committee (2011-2012)
	Chair, Public Relations (2007-2008)
2002-2016	Dallas Academy of Nutrition and Dietetics (Dallas Dietetic Association)
2002-2011	American Association of Family and Consumer Sciences
2002-2011	Texas Association of Family and Consumer Sciences
	Nominations Committee (2006)
2004-2009	Sigma Xi
2002-2006	International Federation of Home Economics
	Director, Committee for Student and Pre-professional Affiliates (2004-2005)
	US IFHE, Professional Development and Programs Committee (2003-2005)
2002-2005	American College of Sports Medicine
2003-2005	Texas Chapter of American College of Sports Medicine

23. PROFESSIONALLY RELATED HONORS AND AWARDS:

Nominated Michael R. Ferrari Award for Distinguished University Service and Leadership

Awarded "Special Project of the Year" by Fort Worth Dietetic Association for the 2010 Scholarship Endowment Fundraiser event: "Octoberfest" at Rahr Brewery; Dr Lyn Dart

and TCU Coordinated Program in Dietetics junior students

Awarded Texas Dietetic Association Outstanding Educator – Coordinated Program in Dietetics (CPD), April 2009.

Awarded Area III Dietetic Educators of Practitioners (DEP) Outstanding Educator – CPD, March 2009.

Appointed member of College of Science and Engineering - Graduate Faculty

Nominated for Wassenich Award for Mentoring in the TCU Community

24. OTHER PROFESSIONALLY RELATED ACTIVITIES NOT INCLUDED IN ANY OF THE ABOVE CATEGORIES:

2010-2017

- Goldring Center for Culinary Medicine Roundtable Retreat, New Orleans, LA, June 8-10, 2017
- Goldring Center for Culinary Medicine Roundtable Retreat, San Antonio, TX, June 9-11, 2016
- IRB Departmental Review Board Discussion and Workshop, TCU, September 25, 2015
- Goldring Center for Culinary Medicine Roundtable Retreat, New Orleans, LA, June 10-12, 2015
- TCU Research IRB Training Workshop, March 19th, 2014
- Invited panelist for presentation about Nutrition and Hunger for Aging Adults. TCU Center for Community Involvement and Service-Learning, February 18, 2014.
- TCU Koehler Center for Teaching Excellence. *Peer Teachings Evaluation Strategies Workshop*. February 10, 2014.
- Collaborative Institutional Training Initiative (CITI) online training. Financial Conflicts of Interest and Institutional Responsibilities as They Affect Investigators (Ref #9902581). Completed March 7, 2013.
- National Institutes of Health (NIH) Office of Extramural Research NIH Web-based training course: *Protecting Human Research Participants* (#151723). Completed September 16, 2012.
- Texas Christian University Research and Creative Scholarship Workshop; Tucker Technology Center, Texas Christian University, Fort Worth TX; August 24, 2012.
- Texas Christian University Institutional Review Board Training Session: Institutional Review Board 10001: What, Why, How? BLUU Ballroom, May 9th, 2011.
- TCU Learning Outcomes Manager (LOM) Pilot Project, Koehler Center for Teaching Excellence: Fall 2010-Spring 2011 Core Course Evaluation of Global Awareness (NTDT 10003 Contemporary Issues in Nutrition).
- TCU Evaluation Committee: development and implementation of online Student Perception of Teaching (SPOT, revised) evaluation form, Fall 2010 Summer 2011.
- TCU Learning Outcomes Manager (LOM) Pilot Project, Koehler Center for Teaching Excellence: Faculty training and course development/implementation, Spring Summer, 2010.

- Undergraduate Public Health Curriculum Development Institute; Crystal City, VA, July 14-15, 2008.
- Community-Engaged Scholarship Faculty Development Charrette; University of North Carolina at Chapel Hill, May 28-30, 2008.

- TCU Service-Learning Faculty Workshop, Smith Hall, June 6-8, 2007.
- Online Journey Mapping and Event Mapping training for implementing evaluation procedures for Service-Learning grant (2006-2007): *Community Gardening for Active Citizenship: Evaluation by Journey Mapping*.
- WEAVE Annual Assessment training for Dept/Unit Chairs, Office for Assessment and Quality Enhancement, December 2006 September 2007.

2004-2005

- TCU Core Curriculum Advising Workshop, May 23rd, 2005.
- eCollege Boot Camp & Workshop Center for Teaching Excellence, Texas Christian University, Fort Worth, TX, May 18-20th, 2004.
- TCU 2004 Summer Abroad Programs: Interdisciplinary collaboration (Nutritional Sciences & Modern Languages) in developing and implementing "A Taste of Two Countries" Food and Culture in France & Spain, 2004.
- TCU Vision in Action Workshop, September 11, 2004.

2002-2003

- TCU training for eCollege electronic survey design, applications, and delivery via email, Spring 2003.
- Beginning & Intermediate Spanish I & II, Global Language & Computer Centre, 2002-2003, Ft. Worth, TX
- Diet, Nutrition and Public Health Programs in Mexico; July 12-21, 2002, Universidad Autonoma De Nuevo Leon, Monterrey, MX.
- Improving Multimedia and Online Courses with Instructional Design, "A How-To Series for Faculty", TCU Center for Instructional Services, February 2002, Ft. Worth, TX

<2002

- Technical Skills Workshop: Statistical analysis with SPSS or SAS; Communicating and the internet; When numbers are not enough: a look at qualitative research methodology; Using the internet for research; April, 2001, Denton, TX
- SAS Institute Inc., JMP Software: Statistical Data Exploration and ANOVA and Regression Public Training Course; October, 2000, Austin, TX

Steven Q. Davis, M.D., M.S., FCCP

Curriculum Vitae as of September 27, 2017

Present Positions

Chief, Acclaim Internal Medicine / Medicine Specialty Service Line, October 2017 - present Medical Director, Intensive Care Unit, August 2014 - present John Peter Smith Health Network / JPS Physicians Group / Acclaim Physicians Group 1500 S. Main St Fort Worth, TX 76104 817-927-3941

Locum Tenens, Pulmonary & Critical Care Medicine, January 2017 – present Hayes Locums 6700 North Andrews Ave, Suite 600, Ft. Lauderdale, FL 33309 (888) 837-9598

Consulting Physician (Telemedicine), January 2014 – present Specialists On Call 1768 Business Center Drive, Ste 100 Reston, VA 20190 (866) 483-9690

Previous Positions

Associate Medical Director, February 2011 – June 2014; March 2015 – September 2017 Interim Medical Director, June 2014 – February 2015 Emergency Physicians Advisory Board / Area Metropolitan Ambulance Authority / MedStar EMS 2900 Alta Mere Dr Fort Worth, TX 76116 817-923-1500, Fax 817-923-9461

Medical Director, June 2012 – September 2017 Hill College EMS Professions 2112 Mayfield Parkway Cleburne, TX 76033 817-760-5929

Partner, Texas Pulmonary & Critical Care Consultants, P.A., August 2008 – August 2014 1201 Fairmount Avenue Fort Worth, TX 76104 817-335-5288, Fax 817-338-0927

Research Practice, Texas Pulmonary and Critical Care Consultants, P.A. Research, August 2008 - August 2014 909 Eighth Avenue Fort Worth, TX 76104 817-332-5599, Fax 817-877-5337

Co-Medical Director, August 2008 – July 2014 Adult Cystic Fibrosis Center at Cook Children's Medical Center 801 Seventh Avenue Fort Worth, TX 76104 682-885-6299

Hospital Staff Privileges (Active)

John Peter Smith Hospital (Fort Worth, TX) 2014 – present Texas Health Resources Harris Methodist Fort Worth (Fort Worth, TX) 2008-present Baylor All Saints Medical Center (Fort Worth, TX) 2008-present Kindred Hospital Fort Worth (Fort Worth, TX) 2008 – present

Carle Foundation Hospital (Champaign, IL) 2017 – present (Locums Tenens)

Hospital Staff Privileges (Expired / Resigned)

Odyssey Inpatient Hospice 2010-2012 (moonlighting opportunity I am no longer pursuing)

Huguley Memorial Medical Center 2011-2014 (Courtesy; resigned due to no longer needing to potentially cover an ill partner)

Texas Health Harris Southwest Hospital 2011-2014 (Courtesy; resigned due to no longer needing to potentially cover an ill partner)

Resurrection Medical Center, Illinois 2004-2006 (moonlighting opportunity during residency/fellowship; moved to Texas) MacNeal Hospital, Illinois 2003 (moonlighting opportunity during residency/fellowship; moved to Texas) University of Chicago Hospital, Illinois 2000-2008 (moved to Texas)

Kindred Hospital Chicago Central, Illinois 2003-2008 (moonlighting opportunity during residency/fellowship; moved to Texas)

Highland Park Hospital, Illinois 2003-2008 (moonlighting opportunity during residency/fellowship; moved to Texas) Cook Children's Medical Center Fort Worth, Texas 2008-2016 (no longer providing care in cystic fibrosis clinic due to job change)

Hospital Staff Privileges (Telemedicine)

Titus Regional Medical Center, Texas 4/2015 – present Halifax Regional Medical Center, North Carolina 4/2106 Colleton Medical Center, South Carolina 2/2016 -- present present East Alabama Medical Center-Lanier, Alabama 2/2016 – present present

Citizens Baptist Medical Center, Alabama 2/2016 -

TCLL / IDS Physician Loador Program

present

Fauquier Hospital, Virginia 1/2016 – present WCA Hospital, New York 4/2106 – present

Chickasaw Nation Medical Center, Oklahoma 3/2106 –

Clinch Valley Medical Center, Virginia 3/2106 – present Texas Health Resources Cleburne, Texas 12/2016 present

Martin General Hospital, North Carolina 6/2017 - present Specialists on Call, Virginia 10/2013 – present

Education

2017

2017	100 / JF3 Filysician Leader Flogram
2006-2008	M.S., Clinical Health Studies, University of Chicago, Department of Health Studies
2003-2008	Pulmonary / Critical Care Fellow, University of Chicago.
2004	Chief Resident, Internal Medicine, University of Chicago. (Jan. 2004 - Dec. 2004).
2000-2003	University of Chicago Internal Medicine Residency Program.
1996-2000	M.D., University of Texas Southwestern Medical School at Dallas
1992-1996	B.A., cum laude, Williams College, Williamstown, MA. Double Major in Anthropology and Chemistry.

Board Certification

2003, 2013	Internal Medicine, expires 2023
2006, 2016	Pulmonary Medicine, expires 2026
2007	Critical Care Medicine, expires 12/2017 (sitting for recertifying exam 10/2017)

Steven O. Davis MD MS

Medical Licensure

Texas	expires August, 2019	Oklahoma	expires August, 2018
Illinois	expires July, 2020	Alabama	expires December, 2017
New York	expires April 2019	North Carolina	expires May, 2018
Missouri	expires January, 2018	Virginia	expires May, 2018
South Carolina	expires June, 2019	Georgia	expires May, 2018

Committee Memberships

2016 – present	Multidisciplinary Review Committee, John Peter Smith Hospital
2014 – present	Critical Care Committee, John Peter Smith Hospital
2014 – present	Stroke Committee, John Peter Smith Hospital
2014 – present	Acute MI Committee, John Peter Smith Hospital
2014 – present	Resuscitation Readiness Committee, John Peter Smith Hospital
2014 – present	Grievance Committee, John Peter Smith Hospital
2014 – present	Internal Medicine Advisory Committee (IMAC), John Peter Smith Hospital
2014 – 2016	Acclaim Physician Engagement Committee, John Peter Smith Hospital
2013 – 2016	Board of Directors, North Texas Specialty Physicians
2011 – 2016	Quality Committee, North Texas Specialty Physicians
2011 – 2012	Continuous Improvement Committee, Texas Health Resources Harris Methodist Fort Worth
2010 – 2012	Ad Hoc Committee for Therapeutic Hypothermia, American Thoracic Society
2010 – 2014	Physicians' Leadership Council, Texas Health Resources
2010 – 2014	Continuing Medical Education Committee, Texas Health Resources Harris Methodist Ft Worth (Chair,
2013-4)	
2010 – 2014	Ethics Committee, Texas Health Resources Harris Methodist Fort Worth
2009 – 2011	Emergency Physicians Advisory Board (EPAB), Tarrant County Medical Society
2009 – 2010	Pharmacy and Therapeutics, Baylor All Saints Medical Center
2009 – 2014	Physician Champion, Therapeutic Hypothermia, Texas Health Resources Harris Methodist Fort Worth
2009 – 2011	Tarrant County Medical Society Socioeconomic Committee
2009 – 2011	Tarrant County Medical Society Scholarship Committee

Publications

- Vithalani VD, Vlk S, **Davis SQ,** Richmond NJ. Unrecognized failed airway management using a supraglottic airway device. Resuscitation. 2017 Oct; 119:1-4. PMID: 28750882
- **Davis SQ,** Krishnan JA, Lee K, Persky V, Naureckas ET. Effect of a community-wide asthma intervention on appropriate use of inhaled corticosteroids. J Urban Health. 2011 Feb; 88(Supplement 1):144-155. PMID: 21337060
- Krishnan JA, **Davis SQ**, Naureckas ET, Gibson P, Rowe BH. An umbrella review: corticosteroid therapy for adults with acute asthma. Am J Med. 2009 Nov;122(11):977-91. PMID: 19854321
- Krishnan JA, Nowak R, **Davis SQ**, Schatz M. Anti-inflammatory treatment after discharge home from the emergency department in adults with acute asthma. Proc Am Thorac Soc. 2009 Aug 1;6(4):380-5. PMID: 19675348 Simultaneously published in: J Emerg Med. 2009 Aug;37(2 Suppl):S35-41 PMID: 19683663 and J Allergy Clin Immunol. 2009 Aug;124(2 Suppl):S29-34. PMID: 19647133
- Davis SQ, Permutt Z, Permutt S, Naureckas ET, Bilderback AL, Rand CS, Stein BD, Krishnan JA. Perception of airflow obstruction in patients hospitalized for acute asthma. Ann Allergy Asthma Immunol. 2009 Jun;102(6):455-61. PMID: 19558002
- Davis SQ, Garrity ER Jr. Organ allocation in lung transplant. Chest. 2007 Nov;132(5):1646-51. PMID: 17998365
- Meyer NJ, **Davis SQ**, Kress JP. Acute tachypnea during mechanical ventilation in a 62-year-old man with multiple myeloma involving the spinal cord. Chest. 2006 Aug;130(2):616-9. PMID: 16899869
- Fletcher KE, Underwood W 3rd, Davis SQ, Mangrulkar RS, McMahon LF Jr, Saint S. Effects of work hour reduction on

residents' lives: a systematic review. JAMA. 2005 Sep 7;294(9):1088-100. PMID: 16145030

Fletcher KE, **Davis SQ**, Underwood W, Mangrulkar RS, McMahon LF Jr, Saint S. Systematic review: effects of resident work hours on patient safety. Ann Intern Med. 2004 Dec 7;141(11):851-7. PMID: 15583227

<u>Awards</u>

2010 – 2014, 2016 Top Doc, Pulmonary Medicine, Fort Worth, Texas magazine	Top Doc, Pulmonary Medicine, Fort Worth, Tex	xas magazine
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2010 Physician of the Year, Texas Health Resources Harris Methodist Fort Worth

2008 American Thoracic Society Travel Award (for quality of abstract submission) to annual meeting,

Toronto, Canada

2007 Best Clinical Poster Presentation, Chicago Thoracic Society, for "FEV1 at hospital discharge does

not predict future asthma exacerbations."

2000 Outstanding Service Award, Class of 2000, UT Southwestern.

1998 Best Abstract Presenter, Texas College of Emergency Physicians Annual Meeting, Galveston,

Texas, for "Failure of AED Skills Retention in the Lay Public."

Research Experience

"A randomized, double-blind, double-dummy, placebo-controlled, parallel-group study to assess the efficacy and safety of different doses of indacaterol in patients with moderate to severe chronic obstructive pulmonary disease, using salmeterol as an active control." [Novartis Pharmaceuticals Corporation], March, 2010 - 2014. Sub- Investigator.

"A randomized, double-blind, double-dummy, placebo-controlled, parallel-group study to assess the efficacy and safety of different doses of indacaterol in adult patients with persistent asthma, using salmeterol as an active control." [Novartis Pharmaceuticals Corporation], February, 2010 - 2014. Sub-Investigator.

"A twelve-week treatment, multi-center, randomized double-blind, placebo-controlled, parallel-group study to assess the efficacy and safety of once daily indacaterol in patients with chronic obstructive pulmonary disease." [Novartis Pharmaceuticals Corporation], January, 2010, - 2014, Sub-Investigator.

"A long-term, randomized, double-blind, extension study of the safety, tolerability, and efficacy of aclidinium bromide at two dosage levels when administered to patients with moderate to severe chronic obstructive pulmonary disease." [Forest Research Institute], October, 2009 - 2014. Sub- Investigator.

"Efficacy and safety of aclidinium bromide at three dose levels (200μg twice daily, and 400μg twice daily, and 200μg once daily) vs. placebo when administered to patients with moderate to severe chronic obstructive pulmonary disease (COPD)." [Forest Research Institute]. April, 2009-2014. Sub- Investigator.

"Efficacy and safety of aclidinium bromide at two dose levels (200µg twice daily, 400µg twice daily), versus placebo when administered to patients with moderate to severe chronic obstructive pulmonary disease (COPD)." [Forest Research Institute], March, 2009. Sub- Investigator.

"A twelve (12) week treatment, multi-center, randomized, parallel group, double-blind, double-dummy study to assess the superiority of Indacaterol (150 Φ g o.d.) via a SDDPI in patients with moderate to severe COPD, using salmeterol (50 Φ g b.i.d.) as an active comparator delivered via a DISKUS inhaler.@ [Novartis Pharmaceuticals Corporation], February, 2009. Sub-Investigator.

"A randomized, double-blind, placebo-controlled parallel group study to investigate the safety and efficacy of two doses of tiotropium bromide (2.5μg and 5μg) administered once daily via the Respimat® device for 12 weeks in patients with cystic fibrosis." [Boehringer Ingelheim], November, 2008. Principal Investigator.

2006-2008	High-dose inhaled corticosteroids for acute asthma. Principal Investigator: Jerry A. Krishnan, MD, PhD
2007-2008	Chest wall oscillation for asthma and COPD exacerbations trial. Principal Investigator: Jerry A. Krishnan,
	MD, PhD
1997-1998	"Failure of AED Skills Retention in the Lay Public," under Brian Zachariah, M.D., Emergency Medicine, UT
	Southwestern.

Invited Lectures

Management Fort Worth Critical Care Conference, Texas Health Resources, Blood Product Management Fort Worth Critical Care Conference, Texas Health Resources, Diagnosis and Management of Pulmonary Embolus Society of Critical Care Medicine, Texas Chapter, Annual Meeting, Post-Intensive Care Unit Syndrome Fort Worth Critical Care Conference, Texas Health Resources, Severe Influenza Fort Worth Critical Care Conference, Texas Health Resources, Acute Kidney Injury Fort Worth Critical Care Conference, Texas Health Resources, BiPAP at the End of Life John Peter Smith Trauma Grand Rounds, Targeted Temperature Management in the Trauma Patient Fort Worth Critical Care Conference, Texas Health Resources, Severe Community Acquired Pneumonia Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway & Ventilator Management
Fort Worth Critical Care Conference, Texas Health Resources, Diagnosis and Management of Pulmonary Embolus 2014 Society of Critical Care Medicine, Texas Chapter, Annual Meeting, Post-Intensive Care Unit Syndrome 2014 Fort Worth Critical Care Conference, Texas Health Resources, Severe Influenza 2013 Fort Worth Critical Care Conference, Texas Health Resources, Acute Kidney Injury 2012 Fort Worth Critical Care Conference, Texas Health Resources, BiPAP at the End of Life 2011 John Peter Smith Trauma Grand Rounds, Targeted Temperature Management in the Trauma Patient 2011 Fort Worth Critical Care Conference, Texas Health Resources, Severe Community Acquired Pneumonia 2011 - 2013 Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing 2010 - 2013 Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
Embolus Society of Critical Care Medicine, Texas Chapter, Annual Meeting, Post-Intensive Care Unit Syndrome Fort Worth Critical Care Conference, Texas Health Resources, Severe Influenza Fort Worth Critical Care Conference, Texas Health Resources, Acute Kidney Injury Fort Worth Critical Care Conference, Texas Health Resources, BiPAP at the End of Life John Peter Smith Trauma Grand Rounds, Targeted Temperature Management in the Trauma Patient Fort Worth Critical Care Conference, Texas Health Resources, Severe Community Acquired Pneumonia Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
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 John Peter Smith Trauma Grand Rounds, Targeted Temperature Management in the Trauma Patient Fort Worth Critical Care Conference, Texas Health Resources, Severe Community Acquired Pneumonia Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
 2011 Fort Worth Critical Care Conference, Texas Health Resources, Severe Community Acquired Pneumonia 2011 – 2013 Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing 2010 – 2013 Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
 2011 – 2013 Critical Care Nursing Residency Program, Texas Health Harris Methodist Fort Worth, Pulmonary Aspects of Critical Care Nursing 2010 – 2013 Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
of Critical Care Nursing 2010 – 2013 Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
2010 – 2013 Critical Care Paramedic Course, MedStar / Tarrant County College, Respiratory Disease, Airway &
Ventilator Management
ventilator ivianagement
2010 Fort Worth Critical Care Conference, Texas Health Resources, Therapeutic Hypothermia Following Cardiac
Arrest
2010 EMS Week, Texas Health Resources Harris Methodist Fort Worth, Therapeutic Hypothermia for EMS
Personnel
2010 Cardiovascular Grand Rounds, Texas Health Resources Harris Methodist Fort Worth, Therapeutic Hypothermia Following Cardiac Arrest
2010 Texas Club of Internists Spring 2010 Meeting: Therapeutic Hypothermia Following Cardiac Arrest
2007 University of Chicago Respiratory Therapy: Severe Airflow Obstruction
2005 University of Chicago Critical Care Nurses' Class: Respiratory Anatomy and Physiology
2005 University of Chicago Critical Care Nurses' Class: Respiratory Failure
2005 University of Chicago Pritzker School of Medicine: Mechanisms and Treatment of Cardiac Disorders,
Differentiating the Causes of Shock.
2004 Grand Rounds, Department of Medicine, University of Chicago: Inner-City Asthma: Opportunities for
Improvement

Volunteer Activities

volunteer Activities				
2014 – present Medical Director, Trimble Tech EMS program, Fort Worth, Texas				
2011 – 2017	Coach, Fort Worth Youth Soccer			
2012	Chair, CF Stair Climb, Cystic Fibrosis Foundation of Northeast Texas (Fort Worth)			
2011	Co-Chair, CF Stair Climb, Cystic Fibrosis Foundation of Northeast Texas (Fort Worth)			
2011 – 2013	Board of Directors, Cystic Fibrosis Foundation of Northeast Texas (Fort Worth)			
2005	Volunteer, Chicago Department of Public Health, Hurricane Katrina Relief Clinic.			
1999 – 2000	Editor, <i>The Scutpuppy Guide to the Lands,</i> Fifteenth Edition. A guide to the UT Southwestern clinical sites.			
1998 – 2000	Paramedic Instructor, UT Southwestern School of Allied Health.			
1997 – 1998	Lecturer, Tar Wars. Anti-smoking talks for elementary school children.			

Certifications

BLS and ACLS, American Heart Association, expires December, 2017 Licensed Paramedic, Texas Department of State Health Services, expires September, 2019 EMT-P, National Registry of Emergency Medical Technicians, expires March, 2018

Professional Memberships

2011 – current National Association of Emergency Medical Services Physicians

2008 - current Texas Medical Association

2008 – current Tarrant County Medical Society

2004 – current American Thoracic Society

2003 – current American College of Chest Physicians (Fellow, 2010 – current)

2003 – current Society of Critical Care Medicine

BRIAN JAMEL DIXON, M.D.

Personal: 3020 6th Ave, Fort Worth, TX 76110

Email: bip2dixon@hotmail.com

Practice: 1307 8th Ave, Suite 310, Fort Worth, TX 76104 (corporate and clinic)

P.O. Box 11886, Fort Worth, TX 76110 (mailing)

E-mail: bjdixon@progressivepsychiatry.org

OBJECTIVES

PROFESSIONAL To be an active Child & Adolescent Psychiatrist that advocates for the health and well-being of children, adults, and families while contributing to the fields of psychiatry and pediatrics

EMPLOYMENT HIGHLIGHTS

Progressive Psychiatry, P.A., Fort Worth, TX

Executive Director and Child & Adolescent Psychiatrist, May 2014 to present

BaylorScott&White All Saints Medical Center, Fort Worth, TX Medical Director, Behavioral Health Services, July 2016 to present

Mental Health and Mental Retardation - Tarrant County, Fort Worth, TX Part Time Staff Child & Adolescent Psychiatrist, August 2014 to present

Together Forward, Fort Worth TX

Founder, Chair, CEO for nonprofit (501(c)4) created to improve cultural and educational opportunities, Jan 2014 to present

Parkland Health & Hospital System/ University of Texas Southwestern Medical Center/Medicus Healthcare Solutions, Dallas TX

Locum Tenens Psychiatrist, November 2015 to present

Cook Children's Physician Network, Fort Worth TX

Full Time Staff Child & Adolescent Psychiatrist, August 2012 to May 2014

Lone Star Circle of Care, Round Rock, TX

Full Time Staff Child & Adolescent Psychiatrist, July 2011 to June 2012

Eckerd Drug Corporation, Waco and Lufkin, TX

National Certified Pharmacy Technician, November 2000 – July 2002 Multiple positions, August 1996 - November 2000

& LICENSURE

CERTIFICATIONS Psychiatry, Board Certified, Initial 9/21/2012

American Board of Psychiatry and Neurology, Certificate #64534

Child and Adolescent Psychiatry, Board Certified, Initial 11/15/2013

American Board of Psychiatry and Neurology, Certificate #8424

Pediatrics, Board Eligible, 7/1/2011

American Academy of Pediatrics

Unrestricted License #N6260, Expiration 5/31/2016

Texas Medical Board

EDUCATION

University of Kentucky, Lexington, KY

Pediatrics/Adult Psychiatry/Child & Adolescent Psychiatry, Completed June 2011

Texas A&M University System Health Science Center College of Medicine,

College Station and Temple, TX

Doctor of Medicine, Conferred May 2006

Baylor University, Waco, TX

Bachelor of Arts in Psychology, Conferred May 2002

National Pharmacy Technician Association, Houston, TX

Nationally Certified Pharmacy Technician, Conferred November 2000

Lufkin High School, Lufkin, TX

Diploma, Magna Cum Laude Honors, Conferred May 1998

LEADERSHIP EXPERIENCE

ELI Initiative Advisory Council, Fort Worth Academy, 2016-2017 Board of Directors, Turtle Creek Chorale, 2014-2016

Singing Member

Texas Society of Psychiatric Physicians, Child & Adolescent Rep, 2014-15 Texas Lions Camp for Children with Diabetes Camp Med Staff, 2005-2012

Medically, educationally, and socially managed Type I DM children while leading a team of healthcare professionals

Scott & White Rays of Hope (Bereavement) Camp Co-Director, 2005-2011 Guided 6-15 yr olds through grieving and assisted in fun summer activities

Jumpin' Jaguars: "Strong Work", 2006-2008

Created and facilitated a psychosocial program encouraging good decision-making in 8-11 year olds

Victory Junction Gang Camp Med Staff, 2008

College of Medicine Admissions Committee Student Member, 2003-2006

College of Medicine Class of 2006 President and Historian, 2002-05

Alpha Phi Omega National Co-Ed Service Fraternity, 2000-02 Baylor Interdisciplinary Core (BIC) Leadership Council, 1998-01

LECTURES & TEACHING

BaylorScott&White All Saints Medical Center

6/23/2016: Noon Conference: Managing Chaos in Healthcare – Lessons from Consult-Liaison Psychiatry

Military Families Learning Network - Webinar Series

4/27/2016: Anxiety, ADHD, and Autism: Practical Approaches to Child Psychiatry

American Psychological Association – Fort Worth Chapter

2/12/2016: 3 Part Lecture: Practical Child Psychiatry in an Insane System

Texas Society of Psychiatric Physicians, Tarrant Chapter, Fort Worth, TX 10/16/2014: Deadly ODD

Progressive Psychiatry: Common Childhood Concerns and Practical Solutions

9/27/2014: Workshops 1 and 2, Lufkin, TX

Cook Children's Physician Network/Cook Children's Medical Center

LECT (cont'd)

3/26/2013: Psychiatric Case Conference: When Managing ODD Becomes a

Matter of Life and Death

10/18/2012: Diabetic Noncompliance

8/2012- 5/2014: Teaching Attending to various medical students and nurse practitioner students

Baylor University/Baylor Interdisciplinary Core Homecoming Lecture **Series**

11/2/2012: Featured Speaker, "The Examined Life: Mutual Exclusivity in an Ever Changing World" Waco, TX

Lone Star Circle of Care, Round Rock, TX

1/2/2012 to 6/2012: Teaching Attending for 2nd year Psychiatry Resident

Eastern Kentucky University, Health Psychology, Richmond, KY

2/16/2009: Health Behaviors and Prevention, Part I 2/18/2009: Health Behaviors and Prevention, Part II 8/31/2009: Becoming a Healthcare Professional

University of Kentucky/College of Medicine Cultural Competency Conference

8/27/2010: Interactions between the GLBT community and healthcare field University of Kentucky/College of Social Work, Human Behavior Social **Environment**

9/30/2010: Dynamic interactions between politics, healthcare and the GLBT community

AWARDS & HONORS

Dallas Independent Volleyball Association, Spring 2014

Most Valuable Player (MVP), Best Hitter

AAP, KY Chapter, Certificate of Achievement, 2009

Outstanding Resident in Pediatric Critical Care, University of Kentucky Medical Center, 2007-2008

Arnold P. Gold Humanism Honor Society, 2005-06

College of Medicine Family and Community Medicine Preceptorship

Program, Student of the Year, 2003-04

Alpha Phi Omega National Co-Ed Service Fraternity, Spirit of APO Award, 2001; Service Merit Award, 2001

SCHOLARSHIPS APA/Shire Fellowship, 2008-2009

Texas A&M University System Health Science Center College of Medicine Achievement Award Scholarship, 2002-2006

Baylor University President's Scholarship, 1998-2002

PUBLICATIONS

Varicose bronchiectasis and bronchopulmonary dysplasia. Hayes, D. Jr; Kriss, V; Iocono, J; Dixon, B; Collins P; Ballard, H. Respiratory Care, 2009 Nov; 54 (11): 1493-5.

VOLUNTEER **EXPERIENCE**

Turtle Creek Chorale, Dallas, TX Tenor I, Fall 2012 to Present

Dallas Independent Volleyball Association (DIVA), Dallas, TX

Spring 2014-Fall 2014

University of Kentucky Pediatrics Residency Advocacy Group

Advocacy Day, Feb 18, 2010. Lobbied state legislature regarding the importance of exercise and better nutrition in school

VOL (cont'd) Shepherd's House, Lexington, KY

Psychiatry Consult, Spring 2009-2010. Evaluate and treat men enrolled in a

halfway house substance abuse treatment program Another Note Men's Chorus, Lexington, KY

Tenor I, Fall 2006-2010. All concert benefits go to a local charity

Waco Center for Youth, Waco, TX

Mentor, Summer 2001

Organized various social activities and assisted the security and healthcare

providers of residential treatment program.

AFFILIATIONS Fort Worth Chamber of Commerce

Fort Worth Metropolitan Black Chamber of Commerce

American Psychiatric Association (APA)

American Academy of Child and Adolescent Psychiatry (AACAP)

UK HOPE (Health Occupation Professionals for Equality)

Texas Medical Association (TMA), Alternate Delegate to Council on Medical Education, 2004-2005, Vice President, Temple Campus, 2004-2005, TMA-MSS Delegate Co-Leader, 2003-04, TMA Chapter Delegate, 2003-04

RESEARCH The Effects of Atypical Antipsychotics on Alkaline Phosphatase in the Inpatient

Adolescent Psychiatry Setting. Dixon, B; Timme, R; Glaser, P. (unpublished)

INTERESTS Comic book collecting, volleyball, tennis, reading, movie watching, and Internet

surfing

References available upon request.

July 9, 2017

- E - - -

Revised July 9, 2017

Curriculum Vitae John L. Durand, M.D., F.A.C.C.

CURRENT TITLE:

Cardiologist, Retired

Emeritus with Honors, Harris Hospital, 2014

UNDERGRADUATE EDUCATION:

Years

Degree

Institution, City, State

1970-1974

B.S. Engineering

Arizona State University Tempe, Arizona

GRADUATE EDUCATION:

Years

Degree

Institution, City, State

1974-1977

Doctor of Medicine

University of Arizona Tucson, Arizona

POST GRADUATE TRAINING:

Years

Degree

Institution, City, State

1977-1980

Residency, Internal

University of Texas San Antonio, Texas

Medicine

1980-1982

Fellowship, Cardiology

Duke University Medical Center Durham, N.C.

BOARD CERTIFICATION:

Year Certified

Board

Speciality

1978

National Board of Medical Examiners

Diplomate

1980

Active #191553

American Board of Internal Medicine Active #74874

Internal Medicine

1983

Subspecialty of Cardiovascular Disease

Cardiology

Active #074874

1996

Certification Council of Nuclear Cardiology Nuclear Cardiology

Active # 112

1999

1978

Added Qualifications in Interventional

Interventional Cardiology

Cardiology 1999-2009

LICENSURE:

Year Granted

State Texas

License # F0176

Retired Emeritus

Durand #1

OTHER PROFESSIONAL EXPERIENCE:

Years

2014-Present

e 3 1 7 7

1982-1989 1989-2014 Title Cardiologist

Cardiologist Retired, Emeritus With Honors

Institution, City, State

Wichita Falls Clinic, Wichita Falls, Texas Consultants in Cardiology, Ft. Worth, Texas

Harris Hospital, Fort Worth, Texas

HONORS AND AWARDS:

Years 1971

Honors/Award Type First Place ASU Design

Institution Arizona State University Tempe, Arizona

1971

Competition First Place National

Arizona State University Tempe, Arizona

National Engineering **Design Competition**

1972

Tau Beta Pi Engineering Academic Honor Society

Arizona State University Tempe, Arizona

1973

Honeywell Award for

Arizona State University Tempe, Arizona

Outstanding Individual Performance

In Engineering

1973-1974

Elected President Engineering Student Council

1974 Selected Outstanding

Arizona State University Tempe, Arizona

Graduate College of Engineering

1977

Alpha Omega Alpha (AOA) University of Arizona, Tucson, Arizona

Medical Honor Society

1977

Committee of Nine for Student Governance

University of Arizona, Tucson, Arizona

ADMINISTRATIVE EXPERIENCE:

Years

Title, Roles

QA Committee

Chief of Cardiology and

Institution, City, State

Harris Hospital, Fort Worth, Texas

2 terms (various)

2 terms (various)

Medical Board Member

Harris Hospital, Fort Worth, Texas

>6 years **Executive Committee and CFO**

Consultants in Cardiology, Ft. Worth, Texas

>20 years

Fort Worth Journal Club,

Fort Worth, Texas

Various

Member and Presenter

Chairman of Texas Medical TMA, Austin, Texas

Association Committee on Professional Liability and Executive Board Member of Texas Alliance for Patient Access. Recognized by Governor Rick Perry as instrumental in passing Prop 12, landmark Texas Medical Liability

Reform

1984-present

Fellow

American College of Cardiology

1982 (retired) Member (retired)

Tarrant County Medical Society, Ft. Worth, Tx

Durand #2

BOOKS:

கைத்த திக

Durand, J. L. (1989)

Understanding Heart Disease - A guide for patients and their families. Mockingbird Communications, Wichita Falls, Texas, USA. 142 pages with glossary and inde

BOOK CHAPTERS:

<u>Durand, J. L.</u> and Bressler (1979) Chapter 5: Clinical Pharmacology of the Steroidal Oral Contraceptives. *Advances in Internal Medicine*, Year Book Medical Publisher, pages 97-126.

OTHER:

<u>Durand, J.L.M.D.,F.A.C.C.</u>, Cardiology for ER Scribes, Harris Hospital Published, 2001, text with illustration.

<u>Durand, J.L., Enhanced Petroleum Recovery Using Silicate Colloidal Film Technology and Cationic Exchange.</u>, Research in progress.

Founding member of The Great Ape Project, an international research consortium dedicated to evaluating health and illness in gorillas, orangutans, chimpanzees, and bonobos. Invited Lecturer Institute of Cardiac and Pulmonary Medicine, St. Petersburg, Russia, Oct., 1991.

Medical Mission, Guatemala, HELPS International, 2001.

Durand #3





8/17/2017

Curriculum Vitae

Harold H. Fain, MD, MPH

CURRENT TITLE:
Medical Director
Viola Pitts Community Health
Center, JPS Health Network
BUSINESS ADDRESS
4701 Bryant Irvin Rd. N

Fort Worth, TX 76107

CONTACT INFORMATION

Harold H. Fain, MD, MPH 3917 W. 4th St. Fort Worth, TX 76107 405.626.6113 hfain@jpshealth.org

Chronology of Education

UNDERGRADUATE EDUCATION:

Degree(s)	Institution, City, State
B.S. Zoology, (summa cum laude)	Texas A&M University, College Station, TX

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1976-1980	Doctor of Medicine	University of Texas Medical Branch,
		Galveston, TX

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State	
1980-1983	Residency, Family Medicine	John Peter Smith Hospital	
		Fort Worth, TX	
2005	Masters of Public Health	Loma Linda University	
		Loma Linda, CA	

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BOARD CERTIFICATION:

Year Certified	Board	Specialty
2007	ABFM	Family Medicine (recert)
2015	ABPN	Physician Nutrition
	S	Specialist (recert)
2016	ABP	Preventive Medicine
	M	(recert)

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments	
1980	Texas F6612	February 2018	

Chronology of Employment

OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
1983-1986	Private Practice	Marfa, TX
1986-2006	US Air Force physician	Oklahoma, Germany, Montana,
		Washington
2006-2012	VA Physician	Oklahoma City, OK
2013 -Present	JPS Health Network	Fort Worth, TX
	Clinic Medical Director	

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2013-Present	Assistant Professor UNTHSC, TX	Student preceptor, teach Lifestyle
		Medicine Course

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
1986-2006	Chief flight surgeon, squadron	US Air Force, multiple sites
2013-Present	commander, Air Force officer Medical Director, Viola Pitts Community Health Clinic, JPS Health Network	Fort Worth, TX

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Professional & Scientific Committees

Years	Title/Role,	Institution, City, State, Country
2008	Member Lifestyle Medicine Task Force	American College of Preventive Medicine

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Courses Directed

Medicine—a physician assistant course students
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Students Supervised

2013 -Present	Four second year medical students yearly	None	Students continued into the 3 rd year of medical school

Other Educational Activities

- University of Oklahoma Health Sciences Center Family Medicine Grand Rounds—presented well-received lectures on "Instituting Lifestyle Changes in a Busy Office Practice," "Clinical Nutrition Pearls," and "Office Based Strategies for Weight Loss." These lectures were frequently repeated from 2006 to 2012.
- Gave frequent talks on prevention, lifestyle change and weight loss to Ambulatory Service Care staff at Oklahoma City VA Medical Center, 2006-2012.
- MOVE (Managing Obese/Overweight Veterans Everywhere) Ambulatory Care Service champion, conducts weekly sessions with veterans for lifestyle/weight management, at Oklahoma City VA Medical Center, 2006-2012.

CURRICULUM VITAE

GRANT C. FOWLER, M.D.

PRESENT TITLE: Professor and Vice Chair

Department of Family and Community Medicine

ADDRESS: University of Texas-Houston Medical School

Department of Family and Community Medicine

6431 Fannin JJL #324 Houston, TX 77030

BIRTHDATE: September 29, 1958

CITIZENSHIP: United States

UNDERGRADUATE EDUCATION:

1980 BSChE (Chemical Engineering), Rice University

GRADUATE EDUCATION:

1984 Doctor of Medicine

The University of Texas Medical School at Houston

POSTGRADUATE TRAINING:

1984-1987 Family Medicine Residency, Memorial Southwest

The University of Texas Medical School at Houston

1999-2000 Certificate of Management, University Of Houston-Clear Lake

School of Business and Public Administration

ACADEMIC APPOINTMENTS:

1998 – Present Vice-Chair

The University of Texas Medical School at Houston Department of Family and Community Medicine

9/2000 – Present Professor with tenure

Department of Family and Community Medicine

The University of Texas Health Science Center Medical School

Houston, Texas

2006-2008 Interim Pre-Doctoral/ Clerkship Director

The University of Texas Medical School at Houston Department of Family and Community Medicine

2002 Interim Residency Director

The University of Texas Medical School at Houston Department of Family Practice and Community Medicine

3/1995-2000 Associate Professor with tenure

Department of Family Practice and Community Medicine The University of Texas Health Science Center Medical School

Houston, Texas

9/1988-1995 Assistant Professor

Department of Family Practice and Community Medicine The University of Texas Health Science Center Medical School Houston, Texas

1991-1998 Residency Director

The University of Texas Medical School at Houston Family Practice

Residency Program

1987-1991 Medical Director

Memorial Family Practice Residency Clinic, Sugarland, Texas

1987-1988 Instructor

Department of Family Practice and Community Medicine
The University of Texas Health Science Center Medical School

Houston, Texas

HOSPITAL APPOINTMENTS:

1993-1994, 1996-Present Assistant Chief of Family Medicine

Memorial Hermann Hospital, Houston, Texas

1991-1992, 1994-1996 Interim Chief of Family Medicine

Memorial Hermann Hospital, Houston, Texas

1991-Present Director, Family Medicine Inpatient Service – Memorial Hermann Hospital

1987-1988 Director, Family Med. Inpatient Services, Memorial Hospital Southwest

1999-2000 Interim Medical Director, UT West–Loop Multispecialty Clinic

1991-1992 Medical Director UT/ Hermann Center for Family Medicine - Houston, Tx

2001-Present Active or Courtesy Staff, St. Luke's Episcopal Hospital

7/1990-Present Active Staff, Memorial Hermann Hospital

7/1990-Present Active Staff, Harris County Hospital District

1991-Present Courtesy or Referring Staff, Memorial Hospital Southwest

1987-1991 Active Staff, Memorial Hospital Southwest

1987-1991 Medical Director, Memorial Hospital Family Practice Center

Sugar Land, Texas

LICENSURE: Texas #G8111

Effective August 1985

CERTIFICATION: American Board of Family Practice

Diplomate July 1987 - 1993

Recertified July 1993 – 2000, July 2000 – 2007, August 2007 – 2017,

June 2017 – 20027

Certificate of Added Qualifications in Sports Medicine

1999 - 2009

Recertified 2009-2019

Certificate of Added Qualifications in Geriatrics

1994 – 2004. 2004-2014

Recertified November 2014-2024

American Board of Clinical Lipidology

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Diplomate November 2015-2025

Fellow - American Academy of Family Physicians 1990

PROFESSIONAL ORGANIZATIONS (and Committees of These):

2000- Present 1992	EHE International (formerly Life Extension Institute) Medical Board of Advisors Association of Family Practice Residency Directors Board of Directors, Member-At-Large, 1994 - 1996, 1996 – 1998 Liaison with AAFP Student Interest Task Force, 1994 - 1999 Chair- Task Force on Managed Care, 1997 – 1998 Chair- Bylaws Committee, 1997 - 1998 Chair- Task Force on Ob/Gyn, 1995 – 1996 Liaison with AAMC, Council of Academic Societies, 1998 - 1999 Liaison with Council of Medical Specialty Societies, 1995 – 1996
1994 - 1997 1998 - 2001	Family Practice Advisory Committee to the Texas Higher Education Coordinating Board Elected by Texas Organization of Family Practice Residency Directors
1994 - 1998	Association of Family Medicine Organizations Subcommittee on Residency Education Subcommittee on Undergraduate Education
1994	American Medical Association Section on Medical Schools- Representative of The University of Texas - Houston Health Science Center Medical School, 1994 - 1996
1994	American Society of Colposcopy and Cervical Pathology
1989	American Institute of Ultrasound in Medicine
1987	American Academy of Family Physicians Advisory Committee, Chief Resident Development Program, 1997- 1998 Speakers Bureau for Student Interest, 1989 Commission on Education - Subcommittee on Strategic Plan for Residencies, 1994 Student Interest Task Force, 1994-1995, 1995-1996 Advisory Faculty, Advanced Life Support in Obstetrics, 1995-Present
1987	Society of Teachers of Family Medicine Ad Hoc Committee on Physician Retraining, 1994 Working Group on Community Medicine, 1994 Family Centered Perinatal (Obstetrics) Care Working Group, 1993
1997	National Youth Leadership Forum Houston - Galveston Medical Board of Advisors, 1998-Present
1997	Texas Senate Sunset Advisory Commission, Health Care Advisory Council
1987	Texas Medical Association Alternate Delegate to the Texas Medical Association, 1995-2005
1991	Texas Organization of Family Practice Residency Directors Chair- 1997 - 1999
1987	Texas Academy of Family Physicians Commission on Continuing Professional Development, 2016-2018 Chair, Procedures Task Force 2003- 2006

Chair, Commission on Academic Affairs, 1998 – 2000, 2001 – 2002, 2002 – 2003

Commission on Academic Affairs, 2008-2011

Chair, Liaison Committee with Family Practice Training Programs, 1997 - 1998

Task Force on Governance, 1997 – 1998

Advisory Committee, National Procedures Institute 2008-present

Chair, Harold T. Pruessner Scholarship Committee,

TAFP Foundation, 1995 - Present

Board of Directors, 1996 - Present

Education Committee, 1994 - 1997

Speakers Bureau, 1993 - Present

Leadership Task Force, 1993-1994

Resident Affairs Committee, 1993-1996

1987 Harris County Medical Society

Board of Medical Legislation, 2016-2019

Quality Committee, 2015

Community Health and Improvements Committee, 2012-present

Executive Board, 2003

Board of Ethics, 2001- 2004

Chair - Board of Ethics, 2003

Nominating Committee, 2003

Houston Academy of Medicine Speakers Bureau, 1988

MD Anderson Practicing Physician Advisory Panel, 1994

Public Grievance Committee, 1994 - 1997

Secretary - Public Grievance Committee, 1994 - 1995

Chair - Public Grievance Committee, 1996 - 1997

Fee Complaint Committee, 1994 - 1995

Interprofessional Drug Education Alliance Committee (IDEA), 1994 - 1995

Ad Hoc Committee on Immunization, 1994 - 1995

1987 Harris County Academy of Family Physicians

Board of Advisors 2005 - Present

Board of Directors, 1991-2004

President, 1994

President Elect, 1993

Chairman - Bylaws Committee, 1993

Chairman - Education Committee, 1993

Vice President, 1992

Membership Committee, 1991 - Present

Chairman - Membership Committee, 1992

Secretary, 1991

1986 - 1991 Center for Family Medicine Journal Club

Charter Member and President, 1986

HONORS AND AWARDS:

2017 University of Texas Regents Outstanding Teaching Award

2016 Texas Academy of Family Physicians Exemplary Teaching Award

2016 UTHealth McGovern Medical School Distinguished Alumnus Award

Houstonia Magazine - 2016 Top Doctor Award

Alpha Omega Alpha Medical Honor Society, Alumni 2015

Paul Alan Wetter Award for Best Multispecialty Paper

First Place Prize/ Blue Ribbon Award

20th Anniversary Annual Meeting of the Society of Laparoendoscopic Surgeons, Los

Angeles, CA, September 16, 2011

Texas Super Doctors 2011

Top Doctors, Texas Monthly Magazine, every year since 2004

Best Faculty Teacher in Family Practice Graduating Class of 2005 UTHSC-Medical School

Best Doctors in America, Central Region, every year since 1997

Most Outstanding Family Practice Attending, UT Houston Family Practice Residency Program 1992, 1996, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014

Physician of the Year, Harris County Chapter of the Texas Academy of Family Physicians, 2001

Dean's Teaching Excellence Award, University of Texas Medical School at Houston every year since its inception in 1989

Practicing Physician Advisory Panel for the M.D. Anderson Clinical Cancer Prevention Program (Life Cheq Program) - 1994

Physician's Recognition Award - American Medical Association

1991 - 1994

1994 - 1997

1999 - 2002

2005 - 2007

Advocate - U.S. Public Health Service Advocate Network - 1990 - Present

Fellow - American Academy of Family Physicians - 1990

Norma Culmer Award - Most Outstanding Resident Memorial Hospital Southwest Family Practice Residency Program - 1987

Charter President and Founding Member Center for Family Medicine Journal Club - 1986

Honors in Behavioral Science, Microbiology The University of Texas at Houston, Medical School - 1982

National Merit Scholar, Rice University - 1977 - 1980

President's Honor Roll, Rice University - 1979 - 1980

President - American Institute of Chemical Engineering Rice University Chapter - 1979

Baker College Court Justice, Rice University - 1979

Freshman Advisor, Rice University - 1979

EDITORIAL POSITIONS:

American Family Physician, 2002 – Reviewer Women's Health in Primary Care, 2000 - Reviewer Archives of Family Medicine, 1992 - 1998 - Reviewer Patient Care, 1990, 1993 – Reviewer

COMMITTEE MEMBERSHIPS: University of Texas Houston

Health Science Center Committees:

UT/ MHH Primary Care Recruitment Committee, 2010 - present

Interfaculty Council, 2006 - 2010

Educational Committee for Infectious Diseases, 1994-1995

Health Care Team Clinical Competition Planning Committee, 1993 - 1995

Judge - Health Care Team Clinical Competition 1993, 1994, 1995

Medical School Committees:

UT Vice Chairs Clinical Safety and Effectiveness Committee - 2011- 2012

Advisor- Family Medicine Student Association, 2007- present

Promotions and Tenure, 2002- 2005, 2005 - 2008

Member, Department of Psychiatry Chair Search Committee, 2008

Member, Department of Pediatrics Chair Search Committee, 2005

Member, Department of Anesthesiology Chair Search Committee, 2004, 2006

Committee on Committees, 1999 - 2000

Medical School Research and Development Plan Board of Directors, Member at Large, 1997-2000, 2000-2002 Managed Care Committee, 1997 Ambulatory Care Committee, 1994 - 1995 Total Quality Improvement Reporting Committee, 1992 Ambulatory Quality Excellence Committee, 1991 - 1992

Member, Department of Surgery Chair Search Committee, 1994

Alumni Association - Board of Directors 1993, 1994 - 1996

Graduate Medical Education Committee 1991 - 1992, 1993 - 1996, 1997 - 1998 Chairman - Orthopedic Surgery Residency Internal Review Committee, 1998 Endocrinology Fellowship Internal Review Committee, 1992 Chairman - Resident Grievance Committee, 1992 Chairman - Neurology Residency Internal Review Committee, 1991

Faculty Senate, 1990 - 1993

Departmental Committees:

Course Director 4th year Medical Student Advanced Patient Care Selective MHH, 2007-present Departmental Billing Compliance Committee, Chair, 2004 - 2006

Clinical Incentive Plan, Ad Hoc Committee, Chair, 1998

Chairman's Advisory (Team Management, Leadership Group) Committee, 1991 - Present Ad Hoc Committee on Space Allocation, 1994

Faculty Appointments, Promotion and Tenure Committee, 1989 - 1992, 1997-2007, Chair, 2008- Present Predoctoral Committee, 1991, 1992, 1994 – 1995, 2007- Present

Residency Recruitment Committee, 1991 - Present, Chair, 1991- 1998

Residency Advisor Committee, 1987- Present

Medical Student Advisor Committee, 1987 - Present

Primary Care Research Forum, 1993 - 1995

Quality Assurance Committee, 1991

Patient Education Committee, 1990
Medical Records Committee, 1989
PromPT Update and Evaluation Committee, 1989
Research Committee, 1988
Adult, Obstetric and Pediatric PromPT Design Committees, 1987-88

Medical School Group Practice (University Care Plus) Committees:

UCP Service Excellence Committee, 1999 – 2001, 2002 - 2003 UCP Humana Utilization Management Steering Committee, 2000 - 2001 UCP Ideal Patient Committee, 2001

Hospital and Health Care Organization Committees:

National Youth Leadership Board of Advisors 1993 - Present LBJ Hospital Quality Panel- Family Practice 1997- Present Cigna Quality Management Committee, 2000 - 2005 Memorial-Hermann Medical Informatics Committee, Chair, 2000 – 2002 Memorial/ Sisters of Charity Network Credentials Committee, 1997 - 2000 Nylcare Quality Management Committee, 1997 - 1999 Hermann Hospital Credentials Committee, 1996 – 1997

OneCare Utilization Management Steering Committee, 1993 - 1998
Hermann Hospital Clinical Council, 1994 – 1996
OneCare Practice Parameters Development Subcommittee, 1994 - 1995
Hermann Hospital Medical Staff Affairs Committee, 1994 - 1995
OneCare Physician Network Development Committee, 1994 - 1995
Hermann Hospital Ambulatory Tower Planning Subcommittee, 1993
Harris County Hospital District Pharmacy and Therapeutics Committee, 1990 - 1993
Harris County Hospital District Adverse Drug Reaction Subcommittee, 1990 - 1992
UT Chiefs of Service and Hermann Hospital Joint Operations Committee, 1991 - 1992
Ambulatory Care Committee University of Texas/Hermann Hospital, 1991 - 1992
Memorial Hospital Southwest Credentials Committee, 1990 - 1992
Board of Directors, Memorial Physicians of Houston, 1990 - 1992
Board of Directors - Ex-Officio Memorial Physicians of Houston, 1989 - 1990
Memorial Hospital Southwest Formulary Committee, 1991
Memorial Hospital Southwest Endoscopy Committee, 1989 - 1991

Task Force on Occupational Health, Industrial Medicine and Workman's Compensation Memorial Care Systems, 1989 - 1991 Memorial Southwest Medical Leadership Forum, 1988 - 1991 Memorial Hospital Southwest Safety Committee, 1988 - 1991 Memorial Care Systems Speaker's Bureau, 1988 - Present Memorial Physicians of Houston Utilization Review Committee, 1988 - 1989

SERVICE TO COMMUNITY:

Media

"Some American's Aren't Living as Long as They Used To," KTRH Radio 740 AM, Houston, TX, October 31, 2016. "Flesh Eating Bacteria, Prevention, Diagnosis and Treatment," Fox Channel 26 News, Houston, TX, July 2, 2016.

"Prevention, diagnosis and treatment of Brain-Eating Amoeba," Fox Channel 26 News, Houston, TX, June 24, 2016.

"Staying Hydrated in Summer Heat," Fox Channel 26 News, Houston, TX, June 18, 2016.

"Human Biometerology & Climatology," KTRH Radio, Houston, TX June 13, 2016.

"US Smoking Decline," KTRH Radio, Houston, TX May 25, 2016.

"America's Facing a Shortage of Primary-Care Doctors," KTRH Radio, Houston, TX April 5, 2016.

"Less Than 3 Percent of Americans Live a Healthy Lifestyle," KTRH Radio, Houston, TX, March 24, 2016.

- "New Pro Egg Study," Fox Channel 26 News, Houston, TX, February 25, 2016.
- "Zika Virus, Prevention, Diagnosis and Treatment," Fox Channel 26 News, Houston, TX, February 1, 2016.
- "How to Prevent Getting the Zika Virus and What to do if you Get It," KURV Radio, McAllen, TX, January 28, 2016.
- "Man Flu," Fox Channel 26 News, Houston, TX, January 27, 2016.
- "Effects of Alcohol on the Body," KTRH Fox Radio, Houston, TX January 18, 2016.
- "Late Night Snacking Could Wreak Havoc on Your Memory," KTRH Fox Radio, Houston, TX, January 6, 2016.
- "Music Good for the Soul and the Body," KTRH Fox Radio, Houston, TX, November 23, 2015.
- "Barbecue Meats Increasing your Cancer Risk," KTRH Fox Radio, Houston, TX, November 10, 2015.
- "Cancer Links to Processed Meat: Fox Channel 26 News, Houston, TX October 26, 2015.
- "Jet Lag Could be a Thing of the Past," KTRH Fox Radio, Houston, TX October 2, 2015.
- "Prescription Drug Abuse," Fox Channel 26, Houston, TX September 10, 2015.
- "Rise in Second Cancers," KTRH Fox Radio Tour, Houston, TX September 3, 2015.
- "Senior Incontinence," KPRC 950 AM Radio, Houston, TX May 24, 2015.
- "When Injectable Vitamins May be a Good Thing," KPRC Channel 2, Houston, TX, February 27, 2015.
- "World Cancer Day What Causes Cancer," KTRH Radio, Houston, TX February 4, 2015.
- "Measles Outbreak," KURV Radio, McAllen, TX January 26, 2015.
- "Holiday Blues," KPRC Channel 2, Houston, TX December 20, 2014
- "Rising Concerns with Flu Vaccine Delay," KUT Radio, Austin, TX October 6, 2014.
- "New Diet Medications," Fox Channel 26, Houston, TX, September 30, 2014.
- "Research on Male Contraceptive Injections," KTRH Radio, Houston, TX September 11, 2014.
- "New App for CPR and Defibrillator Locator," Fox Channel 26, Houston, TX September 3, 2014.
- "Never Leave a Child Alone in the Car," KHOU Channel 11, Houston TX, August 11, 2014.
- "Never Leave a Child Alone in the Car," WOAI News Radio, San Antonio, TX, July 16, 2014.
- "Prescription Painkillers, who needs the drugs, what they do and how they are prescribed," KTRH Radio, Houston, TX, July 7, 2014.
- "Vaccine Benefits of Immunization Outweigh Side Effects," KTRH Radio, Houston, TX, July 2, 2014.
- "UV Ray Addiction," KTRH-AM, Houston, TX June 20, 2014.
- "Measles Outbreak," KTRK, Channel 13, Houston, TX May 31, 2014.
- "Healthy Aging," Fox Channel 26, Houston, TX, June 2, 2014.
- "Summer Skin Protection," KTRK Channel 13, Houston, TX, May 10, 2014.

- "Stranger Danger," CW39 NewsFix, Houston, TX April 17, 2014
- "March Madness fans, vasectomy timing is everything," Fox Radio WOAI 1200, San Antonio, TX, March 19, 2014.
- "Hormonal Imbalances due to Lifestyle," Fox Channel 26, March 13, 2014.
- "Caffeine Use Disorder," KTRH Radio 740, March 6, 2014.
- "Diabetes and New Cholesterol Guidelines," Rotary Club of Brenham, March 6, 2014.
- "Early Retirement Concerns," Fox Radio Tour, Davenport, Iowa, February 5, 2014
- "Prevention, diagnosis and treatment of Diabetes for Latinos," FOX Channel 26, January 27, 2014.
- "Spanx Syndrome, Risks versus Benefits of Spanx," CW 39 Houston News, January 23, 2014.
- "Flu," KTRH Radio, Houston, TX January 14, 2014
- "Anti-Smoking Efforts," KTRH Radio, Houston, TX, January 7, 2014
- "Increase in Obesity in the US," KTRH Radio, Houston, TX, November 6, 2013.
- "Proposed Changes in Painkillers," KRTK-TV Channel 13 News, Houston, TX, October 25, 2013
- "Hangover Study Sprite the Remedy?" Fox News Radio Tour, Omaha, NE, Lansing, MI and MacAllen, TX, October 18, 2013.
- "Link Between Achy Joins and Weather Changes," KTRH Radio, Houston, TX, October 17, 2013.
- "In-hospital circumcisions have Declined from 1979 to 2010," CW 39 Houston News, August 22, 2013.
- "Brain-eating amoeba," KURV Radio, Houston, TX, August 20, 2013.
- "Health Effects of performance enhancing drugs," KUHF Radio, Houston, TX, August 8, 2013
- "Diagnosis and Treatment of Dizziness and Vertigo in the Primary Care Setting," Texas Academy of Family Physicians 64th Annual Session & Scientific Assembly, Ft. Worth, TX, August 3, 2013
- "Bacterial Contamination in Houston splash pools," KPRC Channel 2, Houston, TX July 18, 2013.
- "Drunk Driving Injuries Proposal to Lower Blood Alcohol Level," KURV Radio, McAllen, TX, May 16, 2013.
- "Smartphone apps for health checkup," KTRH Radio, Houston, TX, May 2, 2013
- "Concussions Diagnosis and Treatment of Traumatic Brain Injuries," radio-one.com, February 19, 2013.
- "Implications of New Proposed FDA Rules for Prescription Pain Medications," KRTR Channel 13 News, Houston, TX, January 25, 2013.
- "Diagnosis and Treatment of the Flu," Fox Radio Network Live Interviews, Houston, TX January 8, 2013
- "Expired Medications Study," CW 39 Houston News, October 11, 2012
- "2012 Flu Outlook," News 92 FM Radio, Houston, TX, September 27, 2012
- "Drinking Coffee May Prevent Diabetes, Parkinson's and other Diseases," KIAH-TV Houston, TX, August 20, 2012
- "Exercise Helps Fight Diabetes, August 12, 2012

- "Exercise and saving lives in Diabetic," KTRH 92 FM Radio, Houston, TX, August 6, 2012
- "Health Problems Associated with Lack of Exercise," KTRH 740 AM Radio, Houston, TX, July 19, 2012
- "Health Problems Associated with Excessive Heat," News 92 FM Radio, Houston, TX, July 3, 2012
- "The Anatomy of a Marketing Plan," Modern Medicine.Com, May 10, 2012.
- "Snoring," KRTR Channel 13 News, April 30, 2012
- "Consequences of FDA withdrawal of Excedrin, Nodoze, Gax X and other meds," KRTR Channel 13 News, Houston, TX, April 27, 2012.
- "Outdoor Activities for Seniors," Houston Chronicle, April 26, 2012
- "Rodeo and the Flu", KHOU Channel 11 News, February 23, 2012.
- "Flu Update," Houston Chronicle, January 23, 2012.
- Signs, Symptoms and Preventive Measures of Diabetes," MedNews, January 19, 2012.
- "Driving skills affected by upper respiratory infections", KROI News Radio, Houston, TX January 5, 2012.
- "Bike riding and exposure to pollutants," Houston Community Newspaper, September 27, 2011.
- "Health effects of inhaling smoke", KUT News, Austin, TX, September 12, 2011.
- ""Medicine cabinet worse place to store medications", ABC, World News, August 16, 2011
- "Doctors: Excessive Heat Dangerous for Mail Order Prescription Drugs", KHOU Channel 11 News, August 3, 2011.
- "Tips to Stay Safe in Extreme Heat", KRTR Channel 13 ABC News, August 3, 2011.
- "Drug Prices to Plummet in Wave of Expiring Patents", KRTR Channel 13 ABC News, July 25, 2011
- "Blockbuster Meds Soon Going Generic", KTRH AM Radio, July 25, 2011
- "How to Supplement Vitamin D", ABC News.com, December 1, 2010.
- "The Doctor is in the House", KHOU Channel 11 News, November 5, 2010.
- "Value of Vaccines", KRIV Channel 26 News, October 8, 2010.
- "Avandia," KTRH Newsradio 740 Am Interview, July 14, 2010
- "Can having sex decrease my risk of heart attacks?" KTRH 740 AM Radio, January 25, 2010.
- "No-Needle Vasectomy," KTRK Channel 13 News, February 24, 2009.
- "Bisphosphonates and Cardiac Arrhythmias," Channel 13 News, September 25, 2008.
- "Metabolic Syndrome and Treatment of Risk Factors," East Texas Psychiatry Association, Jacksonville, Texas, May 5, 2005.
- "No stitch surgery available," Houston Chronicle, August 19, 2004
- "Minimally Invasive Vasectomy," KHOU Channel 11 News, May 6, 2004

- "Minimally Invasive Vasectomy," KHOU Channel 11 News, May 5, 2004
- "New Approaches to Vasectomy," KTRK Channel 13, February 5, 2004
- "Homeopathy and Medicine," KHOU Channel 11 News, June 19, 2003.
- "Holistic versus Homeopathic Medicine," KTRK Channel 13, April 17, 2003.
- "Fluid Hydration or the Military in the Desert," KPRC Channel 2, March 20, 2003.
- "Minimally Invasive Vasectomy," KTRK Channel 13, January 31, 2003.
- "Cardiovascular Disease Prevention" KUHF Radio, Houston, Texas and National Public Radio, May 3, 2002.
- "Premenstrual Dysphoric Disorder (PMDD)" KTSU FM, Houston, Texas, July 19, 1999.
- "Influenza" KTRK Channel 13, Houston, Texas, March 7, 1999.
- "Upper Respiratory Infections" KHOU Channel 11, Houston, Texas, February 26, 1999.
- "Cardiac prevention and your American Heart Association", KTTX Radio, Brenham, Texas, May 26, 1998
- "Rubella outbreak", KLBJ, Austin, Texas, May 15, 1998
- "Hypoglycemia", KKTL FM 97.1, Houston, Texas, October 7, 1997
- "Medical Ethics", KPRC Channel 2, Houston, Texas, June 23, 1997
- "Is Melatonin or DHEA Sulfate Safe?", KPRC Channel 2, Houston, Texas, April, 1997
- "How Often Should a Man Get A Complete Physical?", KNUZ 1230 AM Radio, August 4, 1994
- "How Often Should a Woman Get a Complete Physical?", KNUZ 1230 AM Radio, August 3, 1994
- "Choosing A Primary Care Physician", Part II, KNUZ 1230 AM Radio, August 2, 1994
- "Choosing A Primary Care Physician", Part I, KNUZ 1230 AM Radio, August 1, 1994
- "What Is Safe After A Myocardial Infarction?", KTRK-TV ABC Channel 13 with Christie Meyers, July, 1996
- "Shortages of Family Doctors in Texas", KTRH-AM Radio, January 7, 1995
- "Shortages of Family Doctors in Texas", KWS-TV Channel 51, January 7, 1995
- "What Medical Tests Do You Really Need?", KTRK-TV ABC Channel 13 with Christie Meyers, October 5, 1994
- "Prozac and Other Personality Drugs", Channel 13 Special Report with Lisa Trapani, May 12, 1994
- "Hospitals, Clinics Extend Hours to Compete for Patients", Houston Chronicle with Jane Baird, March 24, 1994
- "Preventing Colds", Channel 13, Live At Five with Mary Ellen Conway, January 7, 1994
- "Mouthwash and False/Positive Breathalyzer Tests", Channel 13, Live At Five with Mary Ellen Conway, December 22, 1993
- "Influenza different types and what Houston can expect", KNUZ 1230 AM Radio November 15, 1993

"Influenza - symptoms, prevention and treatment", KNUZ 1230 AM Radio, November 16, 1993

"Not Everyone A Candidate for Flu Shots", Houston Chronicle, October, 6 1993

"Human Papilloma Virus and Warts" Part I, KNUZ 1230 AM Radio, September 13, 1993

"Human Papilloma Virus and Warts" Part II, KNUZ 1230 AM Radio, September 14, 1993

"Don't Worry Yourself Sick", KHOU-TV Channel 11 - May 6-7, 1993

"Somatopsychic Disorders", Channel 13, Red Duke Show, June 4, 1993

"Risks of Teargas to Children", KTRH 740 AM Radio, April 19, 1993

American Cancer Society - Wellness is Ageless Committee, 1989-1993

"Hangover Prevention", KTRH 740 AM Radio, December 31, 1992

"Hurricane Awareness", Channel 67, Houston, Texas, September, 1992

"UTIs", Dr. Red Duke Show, Channel 13, Houston, Texas, July, 1992

"Pharyngitis", Dr. Red Duke Show, Channel 13, Houston, Texas, March, 1992

"Shingles or Varicella Zoster", The Jack Wheeler Show, WJAS-AM, Pittsburgh, Pennsylvania, May 9, 1991

Presentations:

"Dizziness and Vertigo", UT Family Medicine Grand Rounds, September 21, 2016

"Update on Vitamin D: Should the Family Doctor be Screening," UT Family Medicine Grand Rounds, October 7, 2015.

"Making Effective Use of Diagnostic Imaging," UT Family Medicine Grand Rounds, July 15, 2015.

"Update on Diabetes," Brenham Rotary Club, Brenham, Tx March 6, 2014

"What We Should Do for Wellness," Space City Ski Club, Houston, TX, November 8, 2010.

"Cardiac Risk, Does That Mean Me?" Brenham Rotary Club, Brenham, Texas, April 28, 2005.

"The Specialty of Family Practice," National Youth Leadership Forum twice annually since 1996.

"Update on Diabetes," Harris County Medical Society, Managed Care Medical Directors monthly meeting Sept, 6, 2005.

"Echocardiography," Duke Energy Employees, August 13, 2004

"Update on Diabetes," Harris County Medical Society, Managed Care Medical Directors monthly meeting April, 16, 2004.

"Managing Diabetes," Harris County Medical Society, Managed Care Medical Directors monthly meeting, May 6, 2003

"Advances in Technology for Wellness," Kiwanis Club-Westbrook, April 29, 2003.

"Fitness and Exercise," Memorial Hermann Employees, April 24, 2003.

- "Nutritional Supplements," Exxon-Mobil Downtown Employees, October 11, 2002.
- "Stress Management," El Paso Energy Greenway Plaza, May 16, 2002.
- "Heart to Heart", UT Development Board Luncheon, May 3, 2002.
- "Update in the Prevention of Cardiovascular Disease," Central Market Salute to UT Houston, April 11, 2002.
- "Heart disease update and prevention", Minute Maid Orange Juice employees, February 21, 2002.
- "Diabetes, hypertension and heart disease," Williams Pipeline employees, February 14, 2002.
- "Holiday Stress Management", El Paso Energy Employees-downtown, November 15, 2001.
- "Depression in Women", Speaking of Women's Health Conference-sponsored by PBS, October 27, 2001.
- "Becoming Chronologically Gifted Gracefully", Minute-Made Employees, October 11, 2001.
- "Diet and Nutrition for Health," Exxon-Mobil Downtown Employees, October 10 2001.
- "Prevention of Cardiovascular Diseases," Exxon-Mobil Greenway Plaza employees, June 18, 2001.
- "Arthritis", Texas Medical Center Employees, May 24, 2001.
- UT Physicians Women's Series Topic: "Stress Management", Hermann & UT employees, May 16, 2001.
- "Stress Management", Duke Energy employees, May 9, 2001
- "Diabetes", Duke Energy employees, March 21, 2001
- "Cholesterol", Shell employees, February 22, 2001
- "Managing Stress", Galleria Chamber of Commerce, February 15, 2001
- "Diabetes", UT Wellness Series, West Loop Clinic, January 18, 2001
- "Becoming Chronologically Gifted Gracefully", University of Texas Houston retirees, January 8, 2001.
- "Holiday Stress Management", UT Wellness Series, West Loop Clinic, December 6, 2000
- "Holiday Stress Management", American General employees, November 8, 2000
- "Cholesterol", UT Wellness Series, West Loop Clinic, October 19, 2000
- "Osteoporosis", UT Wellness Series, West Loop Clinic, September 19, 2000
- "Becoming Chronologically Gifted Gracefully", First Presbyterian Church members, September 5, 2000
- "Men's Health", UT Wellness Series, West Loop Clinic, August 17, 2000
- "Diet and Exercise", Exxon-Mobil Employees-downtown, October 10, 2001.
- "Aging Gracefully", UT Wellness Series, West Loop Clinic, July 13, 2000
- "Stress Management" Texas Medical Center Employees, June 14, 2000
- "Diet and Cancer Prevention" UT Wellness Series, West Loop Clinic, June 8, 2000
- "Fluid, Electrolytes and Nutrition" University of Houston youth summer football camp, June 7, 2001.

"Heart Disease" UT Dental School, June 6, 2000

"Heart Disease" UT Wellness Series, West Loop Clinic, May 18, 2000

"Stress without Distress" World Travel Health Fair, Houston, Texas, May 17, 2000.

"Stress Management" UT Wellness Series, West Loop Clinic, April 13, 2000

"Stress without Distress" Shell Group Downtown Engineers, Houston, Texas, April 6, 2000.

"New Cardiovascular Risk Factors" Houston Area Texas Exes, Houston, Texas, February 8, 2000.

"Weight Loss and Exercise", ExxonMobil Global Information Services, Houston, Texas, January 20, 2000.

"Fluid, Electrolytes, and Exercise" Duke Energy Corporate Employees, June 16, 1999.

"Cardiac prevention", American Heart Association Annual Heart Health Luncheon, Brenham, Texas, May 26, 1998.

"What Should Your Annual Physical Exam Include?", The University of Texas Houston Health Science Center <u>LifetimeHealth Letter</u>, August, 1996;8(8):3.

Developed funding for six national leaders to speak at Family Medicine Grand Rounds, 1994

"Stress and Stress Prevention", Texaco Employees, Houston, Texas, September 13, 1994

"Heredity and Disease." The University of Texas Houston Health Science Center, <u>Lifetime Health Letter</u> July 1994;6(7):1-6.

"Prozac Wonder Drug or '90's Crutch?" The Houston Post, June 1, 1994

Assessment and Management of Low Back Pain, Planned Parenthood Women's Health Nurse Practitioner Program, Houston, Texas, May 31, 1994

Health Fair, Acres Home, Harris County Hospital District Clinic, May 14, 1994

"Gastrointestinal Deviations: Diarrhea, Functional Bowel Syndrome, Appendicitis, Peptic Ulcer Disease and Hepatitis", Planned Parenthood Women's Health Nurse Practitioner Program Houston, Texas, May 10, 1994

Harris County Medical Society and Houston Bar Association, Inter-professional Drug Education Alliance (IDEA) Program, April 21, 1994

"Post Surgery Do's and Don'ts", The University of Texas Houston Health Science Center <u>Lifetime</u> <u>Health Letter</u>, January, 1993;5(1):2.

Instructor, American Heart Association BLS & ACLS, 1988 - 1993

Admissions Day Speaker, UTMSH Admissions Committee, October 13, 1992

"Realities of Practice", Hermann Hospital House Staff Series; Practice Management, October 29, 1992

Prostate Cancer Screening, 'Acres Home Health Clinic, Houston, Texas, October 6, 1992

"Hurricane Awareness", University of Texas Medical School Employee Relations Committee, Houston, Texas, August 26, 1992

"Periodic Health Evaluation", Houston Police Department/City of Houston Crime Labs, Houston, Texas, May 6, 1992

TEACHING AND CURRICULUM DEVELOPMENT:

Predoctoral:

Department Representative to CCCE Committee, 2007-2008

Department Representative to APC Selective Development Committee, 2007-2008

Department Representative to One45 Student Evaluation Committee, 2007

Medical Student Advisor, 1987-present

Introduction to Clinical Medicine, First Year Medical Student Course- video reviewer, small group discussion leader and student preceptor, University of Texas Medical School at Houston, 1996 – 2003

Mentor, Family Practice Mentor Program, University of Texas Medical School at Houston Department of Family Practice and Community Medicine, 1994, 1995

Panel Speaker, Orientation, Texas Statewide Preceptorship Preclinical Program, 1994, 1995, 1996, 1997

Director, "Leaders in Family Medicine" Lectureship Series, University of Texas Medical School at Houston, 1994

Clinical Preceptor and assisted Predoctoral Committee develop Family Medicine Problem Based Learning, fourth year medical students, 1993

Course Director, Orientation, Texas Statewide Preceptorship Preclinical Program, 1993

Presenter, Faculty Development Series, University of Texas Health Science Center at Houston, 1990

Baylor College of Medicine Family Practice Club Mentor, 1988 - 1990

Clinical Preceptor for Family Medicine Fourth Year Clerkship, University of Texas Medical School, 1987 - Present

Developed Curriculum (with Predoctoral Committee) for cancer prevention screening and procedural workshops, 1991

Instructor of Sigmoidoscopy, University of Texas Medical School, Family Medicine Residents and Fourth Year Medical Students, 1988 - Present

Clinical Preceptor and developed/directed CPR/BLS Course, Introduction to Clinical Medicine, University of Texas Medical School, 1989 - 1991

Clinical Preceptor for Baylor College of Medicine Department of Family Medicine, 1988 - 1991

Member of Predoctoral Committee that developed third year Family Medicine clerkship, 1991

Graduate:

Course Director or National Faculty Advisor, Advanced Life Support in Obstetrics course, University of Texas Medical School at Houston Department of Family Practice and Community Medicine and the Texas Academy of Family Physicians 1994, 1995, 1998

As Board Member developed curriculum for National Institute for Residency Program Directors Fellowship (NIPDD), co-sponsored by ABFP, AAFP, STFM, and RAP, 1994

Co-Chair of committee that developed Family Practice Obstetrical Service at LBJ Hospital and Acres Home Clinic, 1994

Developed and directed Exercise Stress Testing Workshop, Hermann/LBJ Family Practice Residency, 1994, 1995, 1996

"Exercise Stress Testing", Combined University of Texas Medical School at Houston, Department of Family Practice Hermann/LBJ Residency Faculty; Urban Family Medicine, Faculty and the UTMSH Predoctoral Faculty Workshop Houston, Texas, March 30, 1994

Developed and directed Colposcopy Workshop, Hermann/LBJ Family Practice Residency, March 9, 1994

Developed and directed multicultural specific residency training components for Geriatrics, Behavioral Sciences, Community Medicine and HIV/AIDS (HRSA Grant support), 1992-1994

Directed research training quarterly workshops for residents, 1992-1994

Advisory to Hermann/LBJ Residents' Monthly Journal Club, 1992-present.

Developed and directed Flexible Sigmoidoscopy and Rhinolaryngoscopy Workshop, Hermann/LBJ Family Practice Residency, May 12, 1993.

Developed and directed Exercise Stress Testing Workshop, Hermann/LBJ Family Practice Residency, February 10, 1993.

Developed Journal Club, Hermann/LBJ Family Practice Residency, 1992

Developed Hermann/LBJ Residency Family Practice Inpatient Service at Hermann Hospital, 1992

Co-Chair of Committee that developed Family Practice Inpatient Service at LBJ Hospital (first time in county hospital), 1992

Developed and directed Flexible Rhinolaryngoscopy for the Family Physician Workshop, University of Texas Medical School at Houston, Memorial Southwest Residency Program, Houston, Texas, June 11, 1992.

Director of Procedural Skills Training, UT/Hermann Center for Family Practice, 1991 - Present.

Conceived, developed and directed collaborative plan for required specialty rotations, Hermann/LBJ Family Practice Program, 1990 - 1991.

Chair of Curriculum Committee, Hermann/LBJ Family Practice Residency - developed rotations in Pediatrics, Surgery, Emergency Medicine, Gynecology, Cardiology, Outpatient Family Practice, Inpatient Family Practice at Hermann Hospital, Inpatient Family Practice LBJ Hospital, Practice Management, Obstetrics, Orthopedics, Community Medicine, Geriatrics, ENT/Ophthalmology, Rural Electives, Neurology, Dermatology, Internal Medicine, and Subspecialties, 1991 - Present.

Instructor of Sigmoidoscopy, University of Texas Medical School, Hermann/LBJ Family Medicine Residents and 1991 - Present.

Developed Primary Care/Family Practice Curriculum for Psychiatry Residents at University of Texas Medical School at Houston, 1991

Faculty, Anxiety Disorders Behavioral Science Workshop for PGY2 Residents at Memorial Southwest University of Texas Medical School at Houston, Department of Family Practice, November 7, 1990.

Faculty, Anxiety Disorders Behavioral Science Workshop for PGY2 Residents at University of Texas Medical School at Houston, Department of Family Practice, November 1, 1989.

Developed curriculum for Exercise Stress Testing, Memorial Southwest Family Practice Residency, 1989.

Director, Memorial Hospital Southwest Family Medicine Grand Rounds, 1987 - 1991.

Developed Family Practice Grand Rounds, Memorial Hospital Southwest, 1987 - 1990.

Developed Journal Club, Memorial Southwest Family Practice Residency, 1986.

Continuing Medical Education:

Office and Emergency Department Ultrasound, Mishawaka Family Practice, Mishawaka, Indiana, May 16-17, 2003.

Exploring Type 2 Diabetes Treatment Options: Are your patient reaching their goals? The Center for Healthcare Education, Houston, Texas, July 25 and August 8, 2002.

Program Co-Director, What's New about the Old, University of Texas Medical School at Houston, Clear Lake/Houston, Texas, October 12-13, 2001.

Advisory Faculty for Course Director and lecturer, Advanced Life Support in Obstetrics Course, University of Texas Medical School at San Antonio, San Antonio, Texas, June 27-28, 1998

Advisory Faculty for Course Director and lecturer, Advanced Life Support in Obstetrics Course, Texas Academy of Family Physicians/ University of Texas Southwestern Medical School, Charlton Methodist Hospital, Dallas, Texas, September 7, 1996

Advisory Faculty for Course Director and lecturer, Advanced Life Support in Obstetrics Course, Texas Academy of Family Physicians/ St. Joseph's Hospital, Houston, Texas, June 14-15, 1996

Advisory Faculty for Course Director and lecturer, Advanced Life Support in Obstetrics Course, St. Joseph's Hospital and Health Center, Bryan, Texas, October 6-7, 1995

Advisory Faculty for Course Director and lecture, Memorial Family Practice Residency Program, Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, August 17 and 25, 1995

Advisory Faculty and Course Director, Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School Department of Family Practice and Community Medicine, 2nd Advanced Life Support in Obstetrics Course (ALSO), Houston, Texas April 28-29, 1995

Director, "Leaders in Family Medicine" Lectureship Series, Harris County Chapter of the Texas Academy of Family Physicians, 1994.

Developed curriculum and Course Director, Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School Department of Family Practice and Community Medicine (ALSO) Advanced Life Support in Obstetrics Course, Houston, Texas, (first to be taught in Texas), May 20-21, 1994

Co-Chair with Department of Gastroenterology", New Directions in Gastroenterology: Issues for Physicians and Patients" Program for Family Physicians and Gastroenterologists, Houston, Texas, June 14, 1993

Developed procedural curriculum, "Family Medicine for the 90's", Procedural Skills Course Director, Texas Academy of Family Physicians, Houston, Texas, 1989, 1990, 1991

Co-Director, Sixth Annual Family Medicine Research Conference, Houston, Texas, 1989

GRANT SUPPORT:

Principal Investigator U.S. Public Health Service, HRSA Division of Medicine Family Practice Residency Training Grant

\$497,918, 1997-2000 Approved, not funded

Unstructured Educational Grant
Department of Family Practice and Community Medicine, Geriatrics CME
Bristol-Myers Squibb, 2 grants totaling \$6,000, 2001
Merck, \$5,000, 2001
Pfizer, \$2,000, 2001

Unstructured Educational Grant
Department of Family Practice and Community Medicine
Bristol-Meyers Squibb, \$10,000, 2000
Bristol-Meyers Squibb, \$2,000, 1999
Bristol-Meyers Squibb, \$1,000, 1998
Upjohn-Pharmacia, \$2,000, 1999
Merck, \$1,000, 1999

Unstructured Educational Grant Hermann/LBJ Family Practice Residency Program Bristol-Meyers Squibb, \$2,000, 1995

Unstructured Educational Grant Hermann/LBJ Family Practice Residency Program Pfizer Labs, \$1,000, 1995

Faculty Development Grant Hermann/LBJ Family Practice Residency Program Bristol-Meyers Squibb, \$2,000, 1995

Principal Investigator
U.S. Public Health Service, HRSA Division of Medicine
Family Practice Residency Training Grant, #2D15PE10043-03
\$330,000, 1995-1997 Approved, not funded

Mentor Coordinator

Family Practice Mentor Program Subcontract, \$ 10,000, 1993-1995 U.S. Public Health Service, HRSA Grants for Predoctoral Training Family Medicine Predoctoral Educational Grants, #2 D15-86037-04 \$316,950--Total Grant Award

Faculty Development Grant Hermann/LBJ Family Practice Residency Program Bristol-Meyers Squibb, \$2,000, 1993

Principal Investigator U.S. Public Health Service, HRSA Division of Medicine Family Practice Residency Training Grant, #2D15PE10043-03 \$378,359, 1992-1994

Principal Investigator Study of Primary Care Sonography Utilizing Medison 1500 Circadian Corporation, \$20,000, 1993 - 1995

Principal Investigator Study of Primary Care Sonography Utilizing Medison 4500 Circadian Corporation, \$ 35,000, 1992 - 1993

Principal Investigator Study of Noninvasive Vascular Studies by Family Physicians NewMed Corporation, \$15,000, 1989 Project Director
Unstructured Academic Grants to Harris County Chapter
of the Texas Academy of Family Physicians
Merck Urological, \$5,000, 1994
Searle, \$6,000, 1994
Pfizer Labs/Pfizer Pratt/Pfizer Roerig, \$6,000, 1994
Marion Merrell Dow. Inc., \$3,000, 1994

Research Sponsor:

Study of Radiographic Interpretations By Family Physicians, University of Texas Medical School at Houston Student Summer Research Program, June - August 1990.

Study of Radiographic Interpretations By Family Physicians. Presented by Van Ngo, MSII at the 43rd Annual American Academy of Family Physicians 1991 Scientific Assembly, September 27, 1991 in Washington, D.C. and received financial support from the Texas Academy of Family Physicians.

Study of the Learning Curve for Detection of Abdominal Aortic Aneurysms, University of Texas Medical School at Houston Student Summer Research Program, June - August 1993.

Study of the Learning Curve for Detection of Abdominal Aortic Aneurysms, Poster presented by Karen Richardson MS III at the 46th Annual American Academy of Family Physicians Scientific Assembly, September 22-25, 1994 in Boston, Massachusetts, with a scholarship for \$1,000 from the American Academy of Family Physicians. Awarded 3rd place among resident and student research exhibits.

Current Research Interests: Office Procedures

Radiographic Interpretations by Family Physicians

Sexually Transmitted Diseases

Unusual Case Studies in Family Medicine

Obstetrics Training for Family Practice Residents

Office Ultrasound

PUBLICATIONS:

Peer Reviewed Journal Articles:

Fowler GC, Vasudevan DA: Type 2 diabetes mellitus: Managing hemoglobin a1c and beyond. South Med J 2010;103(9):911-6.

Franzini L, Monteiro FM, *Fowler GC*, Low MD. A cost construction model to assess the cost of a family practice residency program. *Family Medicine* 1999;31(3):159-70.

Fowler GC, Evans, CH, Altman MA. Exercise Testing. Primary Care Clinics in Office Practice 1997;24(2):375-406.

Fowler GC, Ryan JG, Duiker SS. Evaluating and treating urinary incontinence. *The Female Patient* 1993;18(8):63-68.

Hansel NK, Weeks ME, Ryan, JG, *Fowler GC*. The Female Role in the Transmission of HIV Infection. *Archives of Family Medicine* 1993;2(8):870-873

Ryan JG, *Fowler GC*, Aday LA, Miller SM. School Based HIV prevention education programs and family physicians' support. *Archives of Family Medicine* 1993;2(6):637-644.

Koester DR, Ryan JG, *Fowler GC*. Evaluation and treatment of urinary incontinence. *Tiempos Medicos* 1993; 481:20-29.

Koester DR, Ryan JG, *Fowler GC*. Evaluation and treatment of urinary incontinence. *Hospital Medicine* 1992;28(8):61-78.

Koester DR, Ryan JG, *Fowler GC*. Evaluation of bacterial vaginosis. *Family Practice Recertification* 1991;13(5):30-41.

Invited Articles:

Fowler GC, Nonpharmacologic Approaches to the Prevention of Coronary Heart Disease. *Adult Health* 1997;1(3):10-16, Meniscus Educational Institute, Bala Cynwyd, Pennsylvania.

Fowler GC, Milburn A, Reiter RC, Robinson JC, Bankhead CD. How to help women with chronic pelvic pain. JAAPA 1996;6-58.

Fowler GC, Milburn A, Reiter RC, Robinson JC. How to help women with chronic pelvic pain. *Patient Care* 1994;22-39.

Fowler GC, Hasselquist MB, Zacur HA. Menstrual irregularities: A focused evaluation. *Patient Care* 1994; 155-164.

Other Articles:

Ryan JG, *Fowler GC*, Schindler JB. Evaluating outcomes of care from the patients' perspective. *STFM Research News* 1992;6:4.

Abstracts:

Pfenninger JL, Grochmal SA, *Fowler GC*, Sherry SJ. Expanding the availability of hysteroscopic sterilization procedures in rural areas of the United States. A survey of primary care practice trends following hysteroscopy training. JSLS 2011; Vol 15(S) No 3:11:302

Book Chapters:

Fowler GC, Altman M. Exercise Electrocardiography (Stress) Testing. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 619-640.

Fowler GC, Smith A. Stress Echocardiography. In <u>Pfenninger and Fowler's</u> <u>Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 641-651.

Fowler GC, Montalvo RO. Nasolaryngoscopy. In <u>Pfenninger and Fowler's</u> <u>Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 489-494.

Fowler GC, Dumas CA. Indirect Mirror Laryngoscopy. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 503-505.

Fowler GC. Management of Dental Injuries and Reimplantation of an Avulsed Tooth. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 511-515.

Fowler GC, Reddy B. Noninvasive Arterial and Venous Studies of the Lower Extremities. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 567-578.

Hill J, Lavallee M, *Fowler GC*. Musculoskeletal Ultrasonography. In <u>Pfenninger and Fowler's Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1233-1245.

Kalb RL, *Fowler GC.* Fracture Care. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1281-1298.

Snyder GL, *Fowler GC.* Podiatric Procedures. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1333-1342.

Vasudevan DA, Fowler GC. Tonometry. In Pfenninger and Fowler's Procedures for Primary Care. Pfenninger JL,

Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 447-451.

Fowler GC. Emergency Department, Hospitalist, and Office Ultrasonography (Clinical Ultrasonography). In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1529-1558.

Fowler GC. Subcutaneous Ring and Dorsal Penile Block for Newborn Circumcision. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1203-1205.

Fowler, GC. Corneal Abrasions and Removal of Corneal or Conjunctival Foreign Bodies. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 433-439.

Reynolds RC, *Fowler GC*. Newborn Circumcision and Office Meatotomy In <u>Pfenninger and Fowler's Procedures</u> for Primary Care. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1211-1219.

Tan RS, *Fowler GC*. Reduction of Dislocated Temporomandibular Joint (with TMJ Syndrome Exercises) In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 475-478.

Fowler, GC, Landen DA. Arterial Puncture and Percutaneous Arterial Line Placement. In <u>Pfenninger and Fowler's</u> Procedures for Primary Care. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1421-31.

Fowler GC. Foreign Body Removal from Skin and Soft Tissue. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 619-640.

Fowler GC, Reynolds T. Echocardiography. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 585-597.

Zeringue M, *Fowler GC.* Gastrointestinal Decontamination. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1385-1391.

Fowler GC. Diagnostic Cystourethroscopy. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 770-774.

Dell JR, *Fowler GC.* Urodynamic Testing (Multichannel). In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 790-797.

Aliotta PJ, *Fowler GC.* Prostate and Seminal Vesicle Ultrasonography and Biopsy. In <u>Pfenninger and Fowler's Procedures for Primary Care</u>. Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 821-829.

Jarris RF, *Fowler GC.* Intraosseous Vascular Access. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1355-1359.

Pfenninger JL, *Fowler GC.* Pearls of Practice. In <u>Pfenninger and Fowler's Procedures for Primary Care.</u> Pfenninger JL, Fowler GC (eds), Mosby/ Elsevier, Philadelphia, 2011, pp 1669-1674.

Fowler GC., Altman M. Exercise Testing After Bypass or Percutaneous Coronary Intervention. <u>Exercise Testing</u> for Primary Care and Sports Medicine Physicians, Evans & White (ed), New York, 2009 pp 231-254.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Fourteenth Edition, Philadelphia, 2009, pp.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Thirteenth Edition, Philadelphia, 2008, pp.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Twelfthh Edition, Philadelphia, 2007, pp:660-661.

Starkman S, Fowler G. Common Neurologic Emergencies in *Neurologic Training for Family Practice Residents*, American Neurological Association, 32 pages, Martin, R (ed.), 2006.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Eleventh Edition, Philadelphia, 2006.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Tenth Edition, Philadelphia, 2005.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Ninth Edition, Philadelphia, 2004, pp:660-661.

Fowler GC, Cid E, Tan RS: Cardiovascular heart disease in older men and the role of androgens. <u>In Aging Men's Health</u>, Tan RS (ed), Thieme, New York, 2004: 112-122

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Eighth Edition, Philadelphia, 2003, pp:660-661.

Fowler GC. Exercise Testing. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003, 685-713.

Fowler GC. Flexible Fiberoptic Nasolaryngoscopy. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003.

Fowler GC. Indirect Mirror Laryngoscopy. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003.

Fowler GC. Management of Tooth Fracture and Replantation of an Avulsed Tooth. *In:* <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003:503-506.

Fowler GC. Noninvasive arterial and venous studies of the lower extremities. *In:* Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 2003.

Fowler GC. Ambulatory and emergency department ultrasonography. *In:*Procedures for Primary Care Physicians, Pfenninger JL, Fowler, GC (eds), Mosby, St. Louis, 2003.

Fowler GC. Dorsal penile and subcutaneous ring block for newborn circumcision. *In:* Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003:1351-1354.

Fowler, GC. Diagnosis and treatment of corneal abrasions and removal of corneal or conjunctival foreign bodies. In: Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003.

Reynolds RC, **Fowler GC.** Newborn Circumcision *In:* <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003:1367-1376.

Tan R, *Fowler GC*. Reduction of dislocated temporomandibular joint and TMJ Treatment. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003.

Tan R, *Fowler GC.* Prostate biopsy. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003:923-926.

Fowler, GC. Harvey, DG, Arterial Puncture and percutaneous arterial line placement (cannulation). In: <u>Procedures</u> for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003;529-541.

Mbawuike PA, Fowler, GC. Venous cutdown. *In:* Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2003: 741-746.

Fowler GC. Skin and soft tissue foreign bodies. *In:* <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), Mosby, St. Louis, 2002.

Fowler GC. Neurologic Emergencies in *Neurologic Training for Family Practice Residents*, American Neurological Association, Martin, R (ed.), 2002.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Eighth Edition, Philadelphia, 2002, pp:642-643.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Eighth Edition, Philadelphia, 2001, pp:642-643.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Seventh Edition, Philadelphia, 2000, pp:642-643.

Fowler GC. Hydrocele/Spermatocele. <u>Saunders Manual for Medical Practice</u>. Rakel, RE (ed), Saunders, WB, Philadelphia, 1999.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Seventh Edition, Philadelphia, 1999, pp:642-643.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Sixth Edition, Philadelphia, 1998, pp:638-639.

Pfenninger JL, *Fowler GC*, James RE. Selected Disorders of the Genito-urinary System. *In:* <u>Family Medicine:</u> <u>Principles and Practice</u>, 5th ed., Taylor (ed). Oregon Health Sciences University Press, Portland, 1998, pp. 866-879.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult.</u> Lea & Febiger, Fifth Edition, Philadelphia, 1997, pp:636-637.

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult</u>. Lea & Febiger, Fourth Edition, Philadelphia, 1996, pp:632-633.

Fowler GC. Hydrocele/Spermatocele. <u>Saunders Manual for Medical Practice</u>. Rakel, RE (ed), Saunders, WB, Philadelphia, 1995

Fowler GC. Lymphogranuloma Venereum. <u>The Five Minute Clinical Consult.</u> Lea & Febiger, Third Edition, Philadelphia, 1995, pp:632-633.

Fowler GC. Lymphogranuloma Venereum. <u>The Five-Minute Clinical Consult.</u> Lea & Febiger, Second Edition, Philadelphia, 1994, pp:596-597.

Koester DR, Ryan JG, *Fowler GC*. Sexually Transmitted Diseases. *In:* Family Medicine: Principles and Practice, 4th ed., Taylor (ed). Oregon Health Sciences University Press, Portland, 1994, pp 276-285.

Pfenninger JL, *Fowler GC*, James RE. Selected Disorders of the Genito-urinary System. *In:* Family Medicine: Principles and Practice, 4th ed., Taylor (ed). Oregon Health Sciences University Press, Portland, 1995 p 784-795.

Fowler GC. Flexible Fiberoptic Rhino Laryngoscopy. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 249-259.

Fowler GC. Indirect Laryngoscopy. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 260-263.

Bakeman RJ, *Fowler GC*. Reduction of dislocated temporomandibular joint. In <u>Procedures for Primary Care Physicians</u>. Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 279-282.

Fowler GC. Noninvasive arterial and venous studies of the lower extremities. *In*: Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 348-368.

Fowler GC, Jehle D. Emergency department ultrasonography. *In:*Procedures for Primary Care Physicians, Pfenninger JL, Fowler, GC (eds), CV Mosby, St. Louis, 1994, pp 1124-1147.

Fowler GC, Duiker SS. Dorsal penile nerve block. *In*: <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 874-877.

Duiker SS, *Fowler GC*. Newborn circumcision. *In:* <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 863-873.

Fowler, GC. Diagnosis and treatment of corneal abrasions and removal of corneal or conjunctival foreign bodies. In: <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 221-230.

Fowler, GC. Percutaneous arterial line placement (cannulation). *In:* Procedures for Primary Care Physicians, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 293-299.

Fowler, GC. Arterial Puncture. In: <u>Procedures for Primary Care</u> <u>Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 340-347.

Fowler, GC. Venous Cutdown. *In:* <u>Procedures for Primary Care</u> <u>Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp. 332-339.

Clasen ME, *Fowler GC*. Office electrocardiograms *In*: <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 408-412.

Bakeman RJ, *Fowler GC*. Reimplantation of an Avulsed Tooth. *In:* <u>Procedures for Primary Care Physicians</u>, Pfenninger JL, Fowler GC (eds), CV Mosby, St. Louis, 1994, pp 383-286.

Fowler GC. Lymphogranuloma Venereum. <u>The Five-Minute Clinical Consult</u>. Lea & Febiger, Philadelphia. 1993, pp:588-589.

Books:

Pfenninger JL, *Fowler GC* eds. <u>Procedures for Primary Care</u> (3rd Edition) Mosby/ Elsevier, Philadelphia, 2011. (1733 pages)

Pfenninger JL, *Fowler GC*, eds. <u>Procedures for Primary Care</u> (2nd Edition) Mosby/Elsevier, St. Louis, 2003. (2035 pages)

Pfenninger JL, *Fowler GC.*, eds. <u>Procedures for Primary Care Physicians</u>. CV Mosby, St. Louis, 1994. (1170 pages)

Monographs:

Moy J, *Fowler GC*. Sexually Transmitted Disease. *In:* Home Study Self-Assessment Program; Monograph, ed. no. 149, Kansas City, MO: American Academy of Family Physicians, October, 1991.

Pfeifer SM and *Fowler GC*. The State of the Art in Endometriosis Management, continuing education monograph of the University of Pennsylvania School of Medicine, 30 pages, 1995

Letters to the Editor:

Ryan JG, Aday LA, *Fowler GC*, Miller SM. Response to Parra, et. al., Education and HIV. Arch Fam Medicine 1994;3(4):310.

Other:

Fowler GC. "What to Do About Varicose Veins", The University of Texas Health Science Center at Houston, Lifetime Health Letter, 1997:9(2):3.

Fowler GC. "What Should Your Annual Physical Exam Include?", The University of Texas Health Science Center at Houston, Lifetime Health Letter, 1996:8(8):3-5.

Fowler GC. "Surgery: Caring for Your Incision", The University of Texas Health Science Center at Houston, <u>Lifetime Health Letter</u>, 1995:7(6):2.

Fowler GC. "If You're Healthy, Do You Need An Annual Physical?", The University of Texas Health Science Center at Houston, <u>Lifetime Health Letter</u>, 1990:2(6):1-6.

Fowler GC. Just what are these measles? Fort Bend County, TX, The Southwest Advocate, February 16, 1989.

Fowler GC. Update on Preventive Medicine. Memorial Health Center, Houston, TX, Keeping You Healthy Newsletter, Winter, 1989.

Fowler GC. 'Tis the Season to be Sneezy. Memorial Health Center, Houston, TX, *Keeping You Healthy Newsletter*, Winter, 1987.

Books In Press:

Fowler, GC (ed). Twenty Common Problems in Cardiology for Primary Care, McGraw-Hill, New York, 2012.

PRESENTATIONS:

Invited National Presentations:

'Musculoskeletal Ultrasound.' National Procedures Institute (TAFP) 2 day workshops given approximately once a year throughout the United States since 2015

"Office/ ER/ Hospitalist/ Musculoskeletal Ultrasound." National Procedures Institute (AAFP, STFM, TAFP) 2 day workshops given approximately once or twice a year throughout the United States since 2010

"Stress ECG Testing." National Procedures Institute (AAFP, STFM, TAFP) 1.5 day workshops given approximately 5 times a year throughout the United States since 1994

"Office/ ER/ Hospitalist Ultrasound." National Procedures Institute (AAFP, STFM, TAFP) 1.5 day workshops given approximately once or twice a year throughout the United States, 1994-2010

"Flexible Sigmoidoscopy," National Procedures Institute (AAFP, STFM, TAFP) 8 hour workshops given annually in various locations throughout the United States from 1994 to 2005

"Diabetes in 2001" Annual Meeting of the National Veterans Hospital Physician's Assistants Organization, Houston, Texas March 27, 2001.

"Exercise Stress Testing" American Academy of Family Physicians, 51st Annual American Academy of Family Physicians' Scientific Assembly, Orlando, Florida, September 15-16, 1999-Cancelled due to Hurricane Floyd.

"Exercise Stress Testing", National Medical Association Annual Convention and Scientific Assembly, Family Practice Section, Las Vegas, Nevada, August 8, 1999

"Action Plan for the Nations Family Practice Residencies," Report of the AFMO Residency Subcommittee On 1999 Program Directors' Workshop, Kansas City, Missouri, June 13, 1999.

"Primary Care Backlash" Discussion Forum, 1999 Program Directors' Workshop, Kansas City, Missouri, June 14, 1999.

"Managed Care Issues: Report of the AFPRD Managed Care Task Force and the AAFP Commission On Education Survey on the Impact of Managed Care" 1998 Program Directors' Workshop, Kansas City, Missouri, June 8, 1998.

"Organizing Your Faculty and Administrative Support", 1997 Program Directors' Workshop, Kansas City, Missouri, June 9-11, 1997

"Exercise Stress Testing", 48th Annual American Academy of Family Physicians' Scientific Assembly, New Orleans, Louisiana, October 3-4, 1996

"Organizing Your Faculty and Administrative Support", 1996 Program Directors' Workshop, Kansas City, Missouri, June 9-11, 1996

"Exercise Stress Testing", 47th Annual American Academy of Family Physicians' Scientific Assembly, Anaheim California, September 20-24, 1995

"Acute Abdomen I and II", Society of Diagnostic Medical Sonographers, Annual Specialty Scientific Meeting, Colorado Springs, Colorado, February 25 and 26, 1995

"Maintaining Clinical and Other Skills", National Institute of Program Director Development, Kansas City, Missouri, October 28, 1994

Invited Regional Presentations

"Exercise Stress Testing", Georgia Academy of Family Physicians, Atlanta, Georgia, November 9, 2016.

"Making Effective Use of Diagnostic Imaging," MidMichigan Medical Center, Midland, Michigan, August 18, 2016.

"Making Effective Use of Diagnostic Imaging," Texas Academy of Family Physicians, San Antonio, Texas, June 3, 2016.

"Making Effective Use of Diagnostic Imaging," Florida Academy of Family Physicians, Orlando, Florida, April 26, 2015.

"Risk and Consequences of Hypoglycemia in Patients with Type 2 Diabetes" Kistler Family Medicine Residency, Geisinger Wyoming Valley, Wilkes-Barre, Pennsylvania, December 11, 2014

Get with the Guidelines: Family Physicians' Guide to new Hypertension and Lipid Guidelines," MidMichigan Medical Center, Midland, and Gratiot Community Hospital, Alma, Michigan, August 21, 2015:

"Office, Hospitalist, Emergency Department, and Procedural Ultrasound Workshop," Cahaba Family Medicine Residency, Centreville, Alabama, June 12, 2014.

"Cardiac Exercise Testing," Wayne State University, Detroit, Michigan, January 11-12, 2014.

"Update on Diabetes Management, New Drugs and New Blood Pressure Goals," MidMichigan Medical Center, Midland, and Gratiot Community Hospital, Alma, Michigan, August 15, 2013

"Review of the New JNC 8 Guidelines for Hypertension," Texas Academy of Family Physicians 2012 Primary Care Summit, Houston, TX October 2, 2012

"Managing Cardiovascular Risks," Family Medicine Grand Rounds, MidMichigan Medical Center, Midland, Michigan, September 18, 2012

"Diagnosis and Treatment of Dizziness in the Primary Care Setting", Texas Academy of Family Physicians 2011 Primary Care Summit, Houston, TX, October 22, 2011.

"Ultrasound for Primary Care," Family Medicine Grand Rounds, MidMichigan Medical Center, Midland, Michigan, August 19, 2011

"Can We Prevent Heart Disease, Cancer and Multiple Sclerosis (and Others)? What the Family Doctor needs to know about Vitamin D" Family Medicine Grand Rounds, MidMichigan Medical Center, Midland, Michigan, August 19, 2010

"Exercise (ECG) Stress Testing for Hospitalists," Northern Michigan Hospitalists, Traverse City, Michigan, May 22-23, 2010.

"Exercise (ECG) Stress Testing in the Emergency Department", Department of Emergency Medicine, Albert Einstein Medical School, Philadelphia, Pennsylvania, May 8-9, 2010.

"So Isn't it Best to Prevent Cardiovascular Events by Vaccine? Update on Vaccines for the Family Doctor." MidMichigan Medical Center, Grand Rounds Speaker, Midland, MI, August 20, 2009

"Vaccine Update." Louisiana State University-Monroe, Family Medicine Residency Grand Rounds Speaker, Monroe, LA, April 23, 2009

"Hypertension and Lipid Management," MidMichigan Primary Care Symposium, Midland, Michigan, March 2009

"After Revascularization, What Test is Needed and When?" Family Medicine Grand Rounds, MidMichigan Medical Center, Midland, Michigan, August 21, 2008

"Prevention of Diabetes and Cardiovascular Events in Diabetics, Preoperative Assessment for Noncardiac Surgery, and After Revascularization, What Test is Needed and When?" Doctors in Motion, Texas Academy of Family Physicians. Steamboat, Colorado, January 21, 2008

"Preoperative Assessment and Secondary prevention of CV Disease: What is the Evidence?", TAFP Primary Care Summit, Houston, Texas, October 19, 2007

"What's New in Medical Management of PAD", 3rd Annual Peripheral Artery Disease Conference, Texas A & M Health Science Center Coastal Bend Health Education Center, Corpus Christi, Texas, Sept 15, 2007

"Diabetes Update including Preventing Cardiovascular Events", Midmichigan Medical Center, Midland, Michigan, August 16, 2007

"Recent Changes in Cardiovascular Disease That Every Family Doctor Should Know," Midland Hospital and Family Practice Program Grand Rounds, Midland, Michigan, August 18, 2005.

"Cardiovascular Disease Update (atrial fibrillation, stroke, acute coronary syndrome, preoperative assessment, exercise testing, latest guidelines for secondary prevention)", TAFP Winter Symposium, Snowmass, Colorado, January 24, 2003

"?Original Ideas in Family Medicine?," Keynote Speaker, First Annual Research Day at UT Southwestern Department of Family Practice, Dallas, Texas, May 15, 2002.

"ENT Procedures Workshop", Primary Care Summit of the Texas Academy of Family Physicians, Houston, Texas, October 27, 2001.

"Office and Emergency Department Ultrasound Workshop", Department of Family Practice, State University of New York-Buffalo, Buffalo, New York, September 22-23, 2001.

"Ob/ Gyn Procedures Workshop", 52nd Annual Session and Scientific Assembly of the Texas Academy of Family Physicians, Houston, Texas, August 3, 2001.

"Update on Diabetes, a Case-based Approach", William Beaumont Army Hospital, El Paso, Texas, June 8, 2001.

"ENT Procedures Workshop," 51st Annual Session and Scientific Assembly of the Texas Academy of Family Physicians, Austin, Texas, July 27, 2000.

"Cardiovascular Procedures: Exercise Testing Workshop", 50th Annual Session and Scientific Assembly of the Texas Academy of Family Physicians, Arlington, Texas, August 7, 1999.

"Overview of the Medical History and Physical", Spring Conference and Exhibition, Texas Podiatric Medical Association, Arlington, Texas, March 20, 1999.

"Update on Family Practice Residency Education and Networking Meeting", 17th Annual Family Medicine Leadership Conference, Faculty Development Center, Austin, Texas, March 3, 1999.

"ENT Procedures: Flexible Rhinolaryngoscopy Workshop", 49th Annual Session and Scientific Assembly of the Texas Academy of Family Physicians, Fort Worth, Texas, July 31, 1998.

Research Day Plenary Speaker, University of Texas Southwestern Medical School, Charlton Methodist Hospital Family Practice Residency, Dallas, Texas, May 21, 1998.

"Nuts and Bolts of the Residency Director's Role", Family Practice Faculty Development Center, Waco, Texas, April 20, 1998.

"Coronary Artery Disease and Exercise Testing", 24th Annual Winter Symposium, Texas Academy of Family Physicians, Crested Butte, Colorado, January 22, 1998.

"Exercise Testing" and "Advanced Exercise Testing", Primary Care for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 25, 1997

"Office and Emergency Department Ultrasound", Northwest Regional Primary Care Association, Region VIII-Region X Joint Fall Conference, Seattle, Washington, October 6, 1997

"Adult GI, Hepatitis, and Peptic Ulcer Disease", 9th Annual Meeting, Texas Nurse Practitioners, Houston, Texas, September 27, 1997

"Cost Effective Evaluation and Management of Chest Pain", 48th Annual Session and Scientific Assembly of the Texas Academy of Family Physicians, Galveston, Texas, July 31, 1997

"Unstable Angina", 130th Annual Session of the Texas Medical Association, Section on Family Practice, Houston, Texas, May 16, 1997

"Postpartum Period Emergencies and Urgencies", Texas Academy of Family Physicians/ University of Texas Southwestern Medical School, Charlton Methodist Family Practice Residency, Advanced Life Support in Obstetrics Course, Dallas, Texas, September 7, 1996

"X-ray Interpretation", The University of Texas Health Science Center at San Antonio, Medical School Department of Family Practice, Sports Medicine for the Primary Care Physician Course, San Antonio, Texas October 28, 1995

"Exercise Treadmill Testing", The University of Texas Health Science Center at San Antonio, Medical School Department of Family Practice, Sports Medicine for the Primary Care Physician Course, San Antonio, Texas October 28, 1995

"Quality Residencies in Primary Care: Part I, "Texas A & M University Health Science Center College of Medicine, National Primary Care Day Celebration, College Station, Texas, September 28, 1995

"Ultrasound in Labor and Delivery", Advanced Life Support in Obstetrics Course, St. Joseph Hospital and Health Center Bryan, Texas, October 7, 1995

Faculty Advisor, Texas Academy of Family Physicians/Texas Tech Family Practice at Lubbock, Advanced Life Support in Obstetrics Course, Lubbock, Texas, September 7-9, 1995

"Ultrasound in Labor and Delivery" Texas Academy of Family Physicians/Texas Tech Family Practice at Lubbock, Advanced Life Support in Obstetrics Course, Lubbock, Texas, September 8, 1995

"Communication Issues: Patients and Birth Crisis" Texas Academy of Family Physicians/Texas Tech Family Practice at Lubbock, Advanced Life Support in Obstetrics Course, Lubbock, Texas, September 9, 1995

"Communication Issues: Working With Staff and Consultants" Texas Academy of Family Physicians/Texas

Tech Family Practice at Lubbock, Advanced Life Support in Obstetrics Course, Lubbock, Texas, September 9, 1995

Faculty Advisor, Memorial Family Practice Residency Program, Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, August 17 and 25, 1995

"Ultrasound in Labor and Delivery" Memorial Family Practice Residency Program Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, August 17 and 25, 1995

Faculty Advisor and Course Director, Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School Department of Family Practice and Community Medicine, 2nd Advanced Life Support in Obstetrics Course (ALSO), Houston, Texas April 28-29, 1995

"Communication Issues: Working With Staff and Consultants" Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School, Department of Family Practice and Community Medicine, Advanced Life Support in Obstetrics Course (ALSO), Houston, Texas, May 21, 1994

"Screening Instruments and Procedures: Colposcopy", Primary Care for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 14, 1994

"Third Trimester Bleeding" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

"Ultrasound in Labor and Delivery" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

"Birth Crisis/Communication" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

Director, "Leaders in Family Medicine" Lectureship Series, Harris County Chapter of the Texas Academy of Family Physicians, 1994.

Developed curriculum and Course Director, Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School Department of Family Practice and Community Medicine (ALSO) Advanced Life Support in Obstetrics Course, Houston, Texas, (first to be taught in Texas), May 20-21, 1994

"Prostate Function, Benign Prostate Hyperplasia and Genitourinary Ultrasound", Victoria (Tricounty) Medical Society, Victoria, Texas, April 28, 1994

"Prostate Function, Benign Prostate Hyperplasia and Genitourinary Ultrasound", University of South Alabama, Department of Family Practice Scientific Session, Mobile, Alabama, February 1, 1993

"Introduction to Colposcopy", New York Academy of Family Physicians 44th Annual Scientific Assembly, Monticello, New York, May 15, 1992

"Emergency Department Sonography", Obstetric, Abdominal and Transvaginal Ultrasound for Family Physicians, Montgomery County Medical Education Foundation and the University of Texas Medical School at Houston, Houston, Texas, April 10, 1992

"Emergency Department Sonography", Medical Surgical Conference, Rio Grande Valley Chapter of the Texas Academy of Family Physicians, South Padre Island, Texas, April 9, 1992

"Small Parts Ultrasonography", Obstetric, Abdominal and Transvaginal Ultrasound for Family Physicians, Montgomery County Medical Education Foundation and the University of Texas Medical School at Houston, Houston, Texas, April 10, 1992

"Diagnostic Ultrasound for Primary Care Physicians", Erie County Chapter of the New York Academy of Family Physicians, Buffalo, New York, January 18, 1992

"Small Parts Ultrasound Scanning", Obstetric, Abdominal and Transvaginal Ultrasound for Family Physicians, Montgomery County Medical Education Foundation and the University of Texas Medical School at Houston, Houston, Texas, April 19, 1991

"Transabdominal Pelvic Ultrasound", Obstetric, Abdominal and Transvaginal Ultrasound for Family Physicians, Montgomery County Medical Education Foundation and the University of Texas Medical School at Houston, Houston, Texas, April 19, 1991

"General Abdominal Ultrasound in Family Practice", Obstetric, Abdominal and Transvaginal Ultrasound for Family Physicians, Montgomery County Medical Education Foundation and the University of Texas Medical School at Houston, Houston, Texas, April 27, 1990

"Portable Ultrasonography Applications in the Emergency Department", Emergency Medicine Grand Rounds, University of Massachusetts Medical Center, Worcester, Massachusetts, December 6, 1989

Peer Reviewed National Presentations:

"The Development of an Urban Family Medicine Component of a Family Medicine Department", Society of Teachers of Family Medicine 27th Annual Spring Conference Atlanta, Georgia, May 1, 1994

"Rotational Diversity in Urban Residency Training Sites: Problems and Solutions", Society of Teachers of Family Medicine 27th Annual Spring Conference, Atlanta, Georgia, April 30, 1994

"Mentoring Medical Students to Specialize in Family Medicine", Society of Teachers of Family Medicine Predoctoral Conference, Tucson, Arizona, January 29, 1994

"Radiographic Interpretations by Family Physicians", Annual Society of Teachers of Family Medicine Conference, Philadelphia, Pennsylvania, May, 1991

"Reinforcing the Concepts of Comprehensive Health Care in Residency and Faculty Clinics: The Prompt System", Annual Spring Conference of the Society of Teachers of Family Medicine, Denver, Colorado, May 1, 1989

Peer Reviewed Regional Presentations:

"Update on Diabetes Medications," Hawaii Academy of Family Physicians, Honolulu, Hawaii, March 18, 2004

"Update on Cardiac Exercise Testing," Hawaii Academy of Family Physicians, Honolulu, Hawaii, March 18, 2004

"Workshop on Cardiac Exercise Testing," Hawaii Academy of Family Physicians, March 19, 2004

"Ultrasound in Primary Care and the Emergency Department" Colorado Academy of Family Physicians Annual Annual Scientific Meeting, Colorado Springs, Colorado, July 3, 1995

"Use of Ultrasound in Pregnancy", The University of Texas Health Science Center at San Antonio, Department of Family Practice 19th Annual Family Practice Review Course, San Antonio, Texas, April 2, 1995

"Evaluating Outcomes of Medical Care from the Patient's Perspective", Sixth Annual Primary Care Research Methods and Statistics Conference, San Antonio, Texas, December 7, 1991

"Do Not Resuscitate in a Community Hospital", Annual Conference of South Central Region of Society of Teachers of Family Medicine, Oklahoma City, Oklahoma, October 5, 1990

"Tackling The C's (Comprehensiveness, Continuity, Coordination of Care) of Family Medicine in a Residency Clinic Setting", South Central Region of Society of Teachers of Family Medicine, Oklahoma City, Oklahoma, October 4, 1990

"Interpretation of Radiographs by Family Physicians", Texas Academy of Family Physicians Research Forum,

Texas Academy of Family Physicians Annual Meeting, Fort Worth, Texas, August 24, 1990

"Radiographic Interpretations by Family Physicians", The Fifth Annual Family Medicine Research Conference, Houston, Texas, August 7, 1988

"An Unusual Combination of Symptoms and an Investigator's Conclusion", South Central Regional Meeting of the Society of Teachers of Family Medicine, Houston, Texas, October 8, 1987

National Presentations:

"Exercise Stress Testing for Primary Care Physicians", Burdick Corporation (CME Accreditation by AAFP), Atlanta, Georgia, April 8, 1994

Regional Presentations:

"Obstetric and Emergency Department Ultrasound", Scientific Day and Grand Rounds, University of Oklahoma Medical School at Tulsa, Family Practice Residency, June 2, 1992

"Flexible Rhinolaryngoscopy for the Family Physician", New York Academy of Family Physicians 44th Annual Scientific Assembly, Monticello, New York, May 14, 1992

"Colposcopy for Primary Care Physicians", National Procedures Institute (CME Accreditation by AAFP), Phoenix, Arizona, March 12 - 14, 1992

"Colposcopy for Primary Care Physicians", National Procedures Institute (CME Accreditation by AAFP), Dallas, Texas, March 15 - 16, 1991

"Dermatologic Therapeutics and Skin Cryotherapy", Family Medicine for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 23 - 24, 1991

"Exercise Stress Testing by the Family Physician", Parts I & II, Family Medicine for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 23 - 24, 1991

"Family Medicine and Emergency Department Uses of Ultrasound", Family Medicine for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 25, 1990

"Exercise Stress Testing by the Family Physician", Parts I & II, Family Medicine for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 24 and 25, 1990

"Ultrasound Workshop for Emergency Department Physicians" Annual Meeting of Massachusetts Chapter of American College of Emergency Physicians, Boston, Massachusetts, June 14, 1990

"Introductory Ultrasound Workshop for Emergency Department Physicians", Texas Chapter of American College of Emergency Physicians Winter Meeting, South Padre Island, Texas, April 6, 1990

"Exercise Stress Testing by the Family Physician", Family Medicine for the 90's, Texas Academy of Family Physicians, Houston, Texas, October 31 - November 1, 1989

"Office Diagnostic Ultrasound by the Family Physician", Family Medicine for the 90's, Houston, Texas, October 31, 1989

"Introductory Ultrasound Workshop for Family Practice Physicians", preconference session, 41st Assembly of American Academy of Family Physicians, Los Angeles, California, September 16, 1989

"Introductory Ultrasound Workshop for Emergency Physicians", Brooke Army Hospital Emergency Medicine Residents and Faculty, Fort Sam Houston, Texas, August 18 - 19, 1989

Invited Local Presentations:

- "Update on Vitamin D: Should the Family Doctor be Screening," Harris County Academy of Family Physicians, January 13, 2016
- "Dizziness and Vertigo" Harris County Academy of Family Physicians, January 10, 2013
- "Diabetes Update" With Erik Wilson, MD, Harris County Academy of Family Physicians, March 14, 2012
- "Vitamin D for Everyone?" Baylor Geriatrics Grand Rounds, December 2, 2010.
- "Zostavax and Preventing Shingles", Harris County Academy of Family Physicians, April 8, 2009.
- "Update on Hypertension," Hispanic American Medical Association, March 19, 2009.
- "Update on Diabetes," Houston Medical Forum, November 11, 2008.
- "Update on Diabetes," Rotary Club, Brenham, Texas, November 20, 2008
- "Common Problems in Cardiology for Primary Care," Harris County Chapter of TAFP Monthly Scientific Assembly, March 9, 2005
- "Insulin Resistance and Cardiovascular Disease", Houston Pharmacy Association, Houston, Texas, October 25, 2001.
- "Osteoarthritis, Pain and the Athlete", St. Joseph's Family Practice Residency, Houston, Texas, July 29, 1999
- "Update on Women's Health and Sports Medicine", St. Joseph's Family Practice Residency, Houston, Texas, April 30, 1999
- "Preterm Labor and Premature Rupture of Membranes", "Who Should Deliver and Where", "Improving Pregnancy Outcomes", and "Ultrasound in Labor and Delivery" UT Houston Family Practice Residency Advanced Life Support in Obstetrics Course, Houston, Texas, October 7 and 21, 1998
- "First Trimester Vaginal Bleeding", "Vaginal Bleeding in Late Pregnancy", and "Ultrasound in Labor and Delivery" Memorial Family Practice Residency Program Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, 1998
- "First Trimester Vaginal Bleeding", "Vaginal Bleeding in Late Pregnancy", and "Ultrasound in Labor and Delivery" Memorial Family Practice Residency Program Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, October 30 and 31, November 13 and 14, 1997
- First Cardiology Symposium for the Primary Care Physician: "How to Make Your Patients Live Longer" sponsored by the Houston Chapter of the American Heart Association, the Houston Cardiology Society, and Memorial Healthcare Systems, Houston, Texas, May 8, 1997
- "Improved Pregnancy Outcomes and Satisfaction through Shared Responsibility" and "Diagnostic Ultrasound in Labor and Delivery" Texas Academy of Family Physicians/ St. Joseph's Hospital Family Practice Residency Program, Advanced Life Support in Obstetrics Course, Houston, Texas, June 15, 1996.
- "Ultrasound in Labor and Delivery" Memorial Family Practice Residency Program Advanced Life Support in Obstetrics Course, Memorial Southwest Hospital, Houston, Texas, August 17 and 25, 1995, September 25 and October 10, 1996
- "Ultrasound in Labor and Delivery" Texas Academy of Family Physicians/ University of Texas Medical School Houston, Department of Family Practice and Community Medicine Adva/nced Life Support in Obstetrics Course, Houston, Texas, April 29, 1995
- "Birth Crisis/Communication" Texas Academy of Family Physicians/ University of Texas Medical School Houston, Department of Family Practice and Community Medicine, Advanced Life Support in Obstetrics Course, Houston, Texas, April 29, 1995

"Third Trimester Bleeding" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

"Ultrasound in Labor and Delivery" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

"Birth Crisis/Communication" University of Texas Medical Branch Department of Family Medicine, Advanced Life Support in Obstetrics Course, Galveston, Texas, September 17, 1994

Local Presentations Since 1991:

"Assisted Delivery Workshop, ALSO, Baytown Family Practice Residency, Baytown, TX, August 25, 2005

"Career Options in Family Practice," Career Day, Memorial Family Practice Residency, Houston, TX, August 24, 2005

Multiple Grand Rounds and lectures to the UT Houston Family Practice, Psychiatry, and Obstetrics/ Gynecology residents per year since 1991.

"Communication Issues: Working With Staff and Consultants", Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School, Department of Family Practice and Community Medicine, Advanced Life Support in Obstetrics Course (ALSO), Houston, Texas, May 21, 1994

"Ultrasound in Delivery" Texas Academy of Family Physicians/University of Texas Houston Health Science Center, Medical School Department of Family Practice and Community Medicine (ALSO) Advanced Life Support in Obstetrics Course (ALSO), Houston, Texas, May 20, 1994

"Aging, Taking Care of the Sandwich Generation: Coping with the Physical Stress of Caregiving" Wellness Week MD Anderson Cancer Center, Houston, Texas, October 24, 1994

"Scrotal Mass", Hermann Hospital/LBJ Family Practice Residency Conference, Houston, Texas, October 19, 1994

"Prostate Cancer from a Primary Care Perspective" University of Texas Department of Family Practice Ambulatory Grand Rounds, Houston, Texas, October 12, 1994

Admissions Day Speaker, University of Texas Medical School at Houston - Admissions Committee, September 30, 1994 and Annually since 1994

"Anxiety Disorders", Hermann Hospital/LBJ Family Practice Residency Conference, Houston, Texas, April 13, 1994

Admissions Day Speaker, University of Texas Medical School at Houston - Admissions Committee, November 12, 1993

Office Dermatology: Diagnosis and Treatment of Pre-malignant and Malignant Skin Lesions and Office Cryosurgery", University of Texas Department of Family Practice Ambulatory Grand Rounds, November 10, 1993

"Bacterial Vaginosis: Diagnosis and History", University of Texas Family Practice Grand Rounds, Houston, Texas, September 22, 1993

"Syncope and Dizziness", Hermann Hospital/LBJ Family Practice Residency Conference, Houston, Texas, September 15, 1993

"Occupational Medicine for the Family Physician", Hermann Hospital/LBJ Family Practice Residency Conference, Houston, Texas, August 25, 1993

"Prostate Disease and Genitourinary Ultrasound", University of Texas Family Practice Grand Rounds, Houston,

Texas, August 18, 1993

"Prostate Disorders, BPH, and Genitouriniary Ultrasound", Memorial Southwest Family Practice Grand Rounds, Houston, Texas, June 4, 1993

"Ischemic Heart Disease", Hermann/LBJ Family Practice Residency Conference, Houston, Texas, March 3, 1993

"Prostate Function, Benign Prostatic Hyperplasia, Scrotal Masses and Genitourinary Ultrasound", Hermann/LBJ Family Practice Residency Conference, Houston, Texas, February 24, 1993

"Risk Management", University of Texas Family Practice Grand Rounds, Houston, Texas, February 24, 1993

"Hemoptysis", LBJ Family Practice Grand Rounds, Houston, Texas, January 27, 1993

"Radiographic Interpretation of Low Back Pain", LBJ Family Practice Grand Rounds, Houston, Texas, January 27, 1993

"GI Bleeding", LBJ Family Practice Grand Rounds, Houston, Texas, December 16, 1992

"Flexible Sigmoidoscopy", LBJ Family Practice Grand Rounds, Houston, Texas, November 18, 1992

"Management of Coronary Artery Disease in the Family Practice Office", University of Texas Family Practice Grand Rounds, Houston, Texas, August 12, 1992

"Risk Management II", University of Texas Family Practice Grand Rounds, Houston, Texas, February 19, 1992

"Colon Cancer Screening and Flexible Sigmoidoscopy", LBJ Family Practice Grand Rounds, Houston, Texas, October 25, 1991

"Exercise Stress Testing by Family Physicians", LBJ Family Practice Grand Rounds, Houston, Texas, August 21, 1991

"Risk Management", University of Texas Family Practice Grand Rounds, Houston, Texas, August 14, 1991

"Ischemic Heart Disease", LBJ Family Practice Grand Rounds, Houston, Texas, July 12, 1991

"Hemoptysis", LBJ Family Practice Grand Rounds, Houston, Texas, June 26, 1991

"Radiographic Interpretations by Family Physicians", Memorial Hospital Southwest Family Medicine Grand Rounds, Houston, Texas, January 11, 1991

"Cardiovascular Disease and Arrhythmias", University of Texas Family Practice Grand Rounds, Houston, Texas, June 5, 1991

Peer Reviewed National Poster Presentations:

"Learning Curve for Detection of Abdominal Aortic Aneurysms", American Academy of Family Physicians Annual Assembly, September 22-25, 1994

"Mentoring Medical Students to Specialize in Family Medicine", Society of Teachers of Family Medicine, Predoctoral Conference, Tucson, Arizona, January 29, 1994

Radiographic Interpretation by Family Physicians. Annual Society of Teachers of Family Medicne Conference, Philadelphia, Pennsylvania, May 1991.

Moderator:

"Hemorrhoids, endometrial biopsy, and placement of IUDs" TAFP Annual Scientific Assembly, Corpus Christi, Texas, July 27, 2007.

"Skin Procedures and Joint Injections", TAFP Annual Scientific Assembly, Dallas, Texas, July 20, 2006.

"Residency Education in 21st Century, 18th Annual Family Medicine Leadership Conference, Austin, Texas, February 11, 2000.

"Strolling Through the Match", Family Practice Student Association, University of Texas - Houston Health Science Center Medical, Houston, Texas, March 27, 1996

"Task Force on Ob/Gyn Residency Training in Family Practice" Association of Family Practice Residency Directors' 1996 Program Directors' Workshop, Kansas City, Missouri, June 9, 1996

"Strategic Planning for Residency Education", Association of Family Practice Residency Directors' 1995 Program Directors' Workshop, Kansas City, Missouri, June 5, 1995

"Strolling Through the Match", Family Practice Student Association, University of Texas - Houston Health Science Center Medical, Houston, Texas, March 1, 1995

"Ten Unknowns in Colposcopy", Colposcopy for Primary Care Physicians, National Procedures Institute, Phoenix, Arizona, March 14, 1992

"Ten Unknowns in Colposcopy", Colposcopy for Primary Care Physicians, National Procedures Institute, Dallas, Texas, March 15, 1991

Fifth Annual Primary Care Research Methods and Statistics Conference, University of Texas at San Antonio, San Antonio, Texas, November 30, 1990

"Principles of Survey Research", Third Primary Care Research and Statistics Conference, San Antonio, Texas December 3, 1988

"Measuring Functional Status/Health Related Quality of Life in Clinical Research", Third Primary Care Research and Statistics Conference, San Antonio, Texas, December 3, 1988

"Panel Discussion: Residents Examine Research During Training", Fifth Annual Family Medicine Research Conference, Houston, Texas, August 7, 1988

"Evaluation of Cohort Studies", Second Primary Care Research and Statistics Conference San Antonio, Texas, December 11, 1987

Coordinator, South Central Regional Meeting of Society of Teachers of Family Medicine, Houston, Texas, August 8, 1987

CURRICULUM VITAE

Jose L. Gonzalez, M.D., J.D., M.S.Ed., C.P.E.

February 2017

Present Position and Address:

Vice-President, Clinical Affairs, Cook Children's Health Plan 801 Seventh Avenue Fort Worth, Texas 76104

Medical Director, Center for Children's Health Cook Children's Health Care System 801 Seventh Avenue Fort Worth, Texas 76104

Personal Data

Birthplace: Habana, Cuba

Citizenship: U.S.A.

Home address: 3609 Dryden Road

Fort Worth, Texas

76109

Education

LaSalle High School - Miami, Florida 9/1965 – 6/1969

4th in Class - G.P.A.: 3.5

University of Miami - Coral Gables, Florida, B.S. 7/1969 – 6/1972

Major: Chemistry Minor: Biology Magna Cum Laude - G.P.A.: 3.67

University of Miami School of Medicine, M.D. 7/1972 – 6/1976

27th in Class

Southern Methodist University School of Law 1993-1997

Cum Laude

Admitted to State Bar of Texas 1998

University of Southern California School of Graduate Education

Masters of Science in Medical Education 2000-2002

American College of Physician Executives

Fellowship in Medical Management 12 /2002 –7/2004

Certified Physician Executive 4/2005

Thomas Jefferson College of Population Health Masters in Healthcare Quality and Safety Management	Expected Completion 2016
Post-Graduate Education	
Pediatric Intern: Children's Medical Center - Dallas, Texas	7/1976 – 6/1977
Pediatric Resident: Children's Medical Center - Dallas, Texas	7/1977 – 6/1979
Co-Chief Resident in Pediatrics: Children's Medical Center - Dallas, Texas	7/1979 – 6/1980
Board Certified, American Board of Pediatrics	1981
Clinical and Research Fellow in Pediatric Endocrinology: University of Iowa Hospitals and Clinics - Iowa City, Iowa	7/1980- 6/1982
Board Certified, American Board of Pediatrics Sub-Board of Pediatric Endocrinology	1983
Fellowship in Teaching and Learning University of Southern California School of Graduate Education	9/2000 – 5/2001
Fellowship in Educational Leadership University of Southern California School of Graduate Education	9/2001 – 5/2002
Professional Employment	
Private Practice, Pediatric Endocrinology and Diabetes Dallas/Forth Worth Metroplex	7/1982 – 6/1994
Medical Director - Pediatric Diabetes Center of North Texas Children's-Presbyterian Medical Center - Plano, Texas	7/1991–6/1994
Assistant Professor - Pediatric Endocrinology University of Texas Health Science Center Southwestern Medical School - Dallas, Texas	7/1994 – 6/1996
Clinical Staff Physician, Pediatric Endocrinology Texas Health Care Network, Dallas, Texas	7/1996 – 6/1998
Assistant Professor and Chief - Pediatric Endocrinology Texas A & M University College of Medicine	7/1998 - 9/2001

Scott & White Hospital System – Temple, Texas

Associate Professor - Pediatric Endocrinology 9/2001 – 8/2002

Texas A & M University College of Medicine

Scott & White Hospital System – Temple, Texas

Vice-Chair for Medical Education 9/2002 – 6/2008

Division Director, Department of Redistries

Division Director, Department of Pediatrics,

Professor, Pediatrics/Pediatric Endocrinology (clinical) 3/2008 – 6/2008

University of Texas, Medical Branch, Galveston, Texas

Medical Director, Texas Medicaid/SCHIP Programs

Health and Human Services Commission, State of Texas 6/2008 - 1/2012

Medical Director 1/2012-9/2015

Vice-President, Clinical Affairs 9/2015-

Cook Children's Health Plan, Cook Children's Health Care System

Medical Director, Center for Children's Health 9/2013 -

801 Seventh Avenue Fort Worth, Texas 76104

Professional and Teaching Experience

Poster Session – Faculty Judge

"Our Discoveries. Your Health" University of North Texas Health Science Center, research Appreciation Day April 12th, 2013

Community Site Preceptor,

Masters of Health Administration Internship program,

Department of Health Management and Policy, School of Public Health,

University of North Texas Health Science Center

Fort Worth, Texas Candidate: Leon N. Nguyen 6/2012- 8/2012

Master's in Public Health Professions Internship program,

Department of Health Management and Policy, School of Public Health,

University of North Texas Health Science Center

Fort Worth, Texas Candidate: Christine Cardinal 6/2013-8/2013

Healthcare Administration Practicum

Concordia University

Austin, Texas Graduate Student: Annette McKay 9/2013 – 12/2013

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Community Faculty, Texas Department of State Health Service's Preventive and Public Health Residency Program Austin, Texas	2011-2012
Member, Residency Advisory Committee	2011-2012
Community Faculty Preceptor, School of Public Health, University of Texas Health Sciences Center at Houston, Austin Regional Campus	2011-2012
Daeschner Professorship in Pediatrics (inaugural recipient) Department of Pediatrics, University of Texas, Medical Branch, Galveston, Texas	2004-2008
Pediatric Residency Program Director, Department of Pediatrics, University of Texas, Medical Branch, Galveston, Texas	9/2002 – 6/2008
Internal Medicine-Pediatrics Residency Program Co-Director Associate Program Director Department of Pediatrics, University of Texas, Medical Branch, Galveston, Texas	9/2002 – 7/2004 7/2004 – 10/2007
Pediatrics-Dermatology Combined Residency Program Co-Director Department of Pediatrics, University of Texas, Medical Branch, Galveston, Texas	7/2004 – 6/2008
Associate Clerkship Director, Department of Pediatrics, University of Texas, Medical Branch, Galveston, Texas	9/2002 – 6/2008
Pediatric Endocrinology Subspecialty Residency Program Director, Department of Pediatrics, Division of Pediatric Endocrinology University of Texas, Medical Branch, Galveston, Texas	1/2003 – 7/2006
Associate Professor - Pediatric Endocrinology (clinical) Professor, Pediatrics/Pediatric Endocrinology (clinical) Division Director University of Texas, Medical Branch, Galveston, Texas Clinical Professor WOS, Department of Pediatrics	9/2002 - 3/2008 3/2008 - 6/2008 9/2002 - 11/2003
University of Texas Medical Branch, Galveston, Texas	6/2008-
Director, Year 4 Medical Errors and Patient Safety in Health Care Basic Science & Humanities Selective University of Texas, Medical Branch, School of Medicine	

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Galveston, Texas	10/2006 - 6/2008
University of Texas, Medical Branch, Galveston, Texas Medical Director – Department of Pediatrics Subspecialty Clinics	9/2003 – 9/2005
University of Texas, Medical Branch, Health Care Systems Galveston, Texas	
Medical Director – Choice One Managed Care	9/2004 – 9/2005
Pediatric Residency Program Director, Scott & White Hospital/Texas A&M College of Medicine	9/1999 – 7/2002
Pediatric Clerkship Director, Texas A&M College of Medicine	9/1999 – 7/2002
Pediatric Risk Manager Department of Pediatrics	7/1998 – 7/2000
Scott & White Hospital and Clinics – Temple, Texas	
Director of Pediatric Medical Education Texas A & M University College of Medicine Scott & White Hospital and Clinics - Temple, Texas	9/1999 – 7/2002
Clinical Professor of Pediatrics, General Pediatrics Division University of Texas Southwestern Medical Center Dallas, Texas	2011-
Clinical Assistant Professor Pediatric Endocrinology University of Texas Health Science Center Southwestern Medical School - Dallas, Texas	9/1987 – 6/1994
Chairman - Institutional Review Board Fort Worth/Cook Children's Hospital - Forth Worth, Texas	7/1984 – 6/1986
Clinical Assistant Professor Pediatric Endocrinology University of Texas Health Science Center John Peter Smith Hospital - Fort Worth, Texas	7/1982 – 8/1987

Teaching

CME Course Director:

Pediatric Subspecialty for the Primary Care Provider, February 5th–6th, 1999, Austin, Texas

CME Course Co-Director:

Pediatric Subspecialty for the Primary Care Provider,

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February 4th-5th, 2000, Austin, Texas; February 2nd-3rd, 2001, Austin, Texas;

February 15th-16th, 2002, Austin, Texas

Course Director:

TAMU Jurisprudence Course for 4th year Medical Students,

February 14th-18th, 2000, Temple, Texas; March 15th-16th, 2001, Temple, Texas;

March 7th-8th, 2002, Temple, Texas

Faculty Development Workshop, September 29th-30th, 2000, San Antonio, Texas;

April 6th-7th, 2001, Austin, Texas; April 5th, 2002, Salado, Texas;

Pediatrics Residency Program Resident Supervisory Workshop,

June 23rd, 2000, Temple, Texas; June 15th, 2001, Temple, Texas;

June 14th, 2002, Temple Texas; June 16th, 2003, Galveston, Texas;

June 18th, 2004, Galveston, Texas; June 10th, 2005, Galveston, Texas;

June 16th, 2006, Galveston, Texas; June 15th, 2007, Galveston, Texas;

Residents as Teachers Workshop,

January 17th and 31st, 2003, Galveston, Texas

Year 2 Endocrine & Reproduction Course Co-Director

October 2004-December 2007, UTMB, Galveston, Texas

Year 4 Medical Errors and Patient Safety in Health Care Selective Director

October 2006-December 2007, UTMB, Galveston, Texas

USC Innovations in Education Conference,

Planning Committee Member,

Pasadena, California February 28th-29th, 2004

A. Medical Students' Core Curriculum:

Participating Instructor, *Endocrinology and Human Reproductive Course*; Medical Student Curriculum, University of Texas Health Science Center, Southwestern Medical School - Dallas, Texas 1994 - 1998

Presented "Consent Issues in Pediatrics" to fourth year medical students at Jurisprudence section course, Texas A&M College of Medicine. May 24, 1999

Presented "Ethical Issues in Pediatrics" to Pediatric Clerkship third year medical students, Texas A&M College of Medicine. Presented 52 times between July 1999 and May 2002.

Presented "Diabetes in the New Millennium" to second year medical students at Pediatrics section course; October 20th, 1999, February 28th, 2001, Texas A&M College of Medicine.

Presented "Pediatrics Medico-Legal Issues" to fourth year medical students at Jurisprudence section course, February 14th, 2000, Texas A&M College of Medicine.

Presented "Communicating an Adverse Event: an Interactive Case Discussion" to fourth year medical students at Jurisprudence section course, February 16th, 2000, Texas A&M College of Medicine.

Presented "Legal Aspects of a Medical Ethics Consultation" to fourth year medical students at Jurisprudence section course, February 17th, 2000, Texas A&M College of Medicine.

Presented "Diabetes Mellitus" to Pediatric Clerkship third year medical students, February 7th, 2001, Texas A&M College of Medicine.

Presented "Insulin Dependent Diabetes Mellitus" to the Year II UTMB Medical Students as part of the Essentials of Endocrine and Reproduction Course, January 4th, 2006; January 3rd, 2007;

Presented "Growth and Growth Disorders" to the Year II UTMB Medical Students as part of the Essentials of Endocrine and Reproduction Course, January 9th, 2003; February 5th, 2004; January 28th, 2005; January 23rd, 2006; January 5th, 2007;

Presented "Adrenal Disorders" to the Year II UTMB Medical Students as part of the Essentials of Endocrine and Reproduction Course, February 11th, 2003; February 12th, 2004; January 25th, 2005; January 26th, 2006; January 26th, 2007;

Presented "Obesity and Type II Diabetes" to the Year II UTMB Medical Students as part of the Gastroenterology & Nutrition Course, September 26th, 2003; September 20th, 2005; September 22nd, 2006;

Presented "Early and late Puberty" to the Year II UTMB Medical Students as part of the Essentials of Endocrine and Reproduction Course, January 24th, 2006; January 25th, 2007; January 5th, 2007;

Presented "Obesity in the 21st Century" to the Year III UTMB Medical Students as part of the Pediatrics Clerkship Curriculum. Presented 33 times between June 2004 and January 2008.

Presented "Growth and Growth Disorders" to the Year III UTMB Medical Students as part of the Pediatrics Clerkship Curriculum, Presented 17 times between July 2005 and January 2008.

Year 2 Practice of Medicine Small Groups:

Facilitator: 11 sessions September 2003 – March 2004; 12 sessions September 2004 – March 2005; 12 sessions September 2005 – March 2006; 13 sessions September 2006 – March 2007; 9 sessions July 2007 – December 2007;

Pediatric Clerkship Problem Oriented Sessions:

Facilitator: 18 sessions July 2002 – June 2003;

13 sessions October 2003 – June 2004; 20 sessions March 2005 – January 2006 14 sessions May 2006 – January 2007 8 sessions May 2007 – December 2007

Essentials of Endocrinology and Reproduction Year II Course, UTMB Galveston

PBL Small Group Facilitator: 8 sessions January 2005 – February 2005; 14 sessions January 2006 – February 2006; 15 sessions January 2007 – February 2007;

Pediatric Clerkship/Year IV Electives Case Conferences:

Facilitator: 11/20/02; May 21st, 2003; July 9th, 2003; 08/25/06; 09/01/06; 09/11/06;

Clinical Vignettes/Student Debates:

Essentials of Endocrinology and Reproduction Year II Course, UTMB Galveston Facilitator: 01/28/03; 01/30/03; 02/04/03; 02/06/03; 02/03/04; 02/01/05; 02/03/05; 01/31/06; 02/03/06; 02/07/06; 01/26/07;

Essentials of Endocrinology and Reproduction Year II Course, UTMB Galveston Case Wrap-Up:

Presented: (Diabetes Mellitus) 01/29/03; 02/05/03; 02/03/04;

Presented: (Growth/Delayed Puberty) 01/31/05; 01/25/06;

Presented: (Thyroid) 02/07/05; 01/06/06;

Presented: (Polyglandular Failure Syndrome) 02/10/06;

Presented: (Diabetes Mellitus) 01/05/07;

Presented: (Growth/Pubertal Development) 01/10/07;

Presented: (Congenital Adrenal Hyperplasia) 01/31/07;

Presented: (Thyroid) 02/07/07;

Presented: (Polyglandular Failure Syndrome) 02/09/07

Course Review:

Facilitator: 01/18/06; 02/13/06; 01/17/07; 02/14/07; Endocrine Challenge (02/06/07, 02/08/07, 02/09/07)

PBL Case Development:

Hypothyroidism (2003); Congenital Adrenal Hyperplasia (2005);

McCune-Albright Syndrome (2005); Type II Diabetes Mellitus (2006);

Delayed/Early Puberty (2006); Medullary Thyroid Carcinoma/MEN Syndrome (2006);

Panhypopituitarism (2007);

Diabetes Mellitus (2008); Panhypopituitarism (2008);

<u>Integrated Curriculum Evaluation Exercise</u>:

U.T.M.B. Year IV Medical Students

Evaluator: 10/31/02; 10/02/03; 10/20/03; 09/30/04; 10/20/04; 12/16/04; 08/31/05; 10/20/05;

Pediatric Year IV Medical 7Selective Case Conferences:

Small group Facilitator: 12 sessions July 2006 – December 2006

21 sessions January 2007 – December 2008

Tutoring

Pediatrics Clerkship UTMB Galveston

Tutoring: 03/10/03; 03/17/03; 03/24/03;

Multidisciplinary Ambulatory Year III Clerkship O.S.C.E.

Station evaluator: 03/26/03

Year III Pediatric Clerkship O.S.C.E.

Station evaluator: 08/14/03; 06/17/04; 08/19/04; 03/03/05;

Year I Medical Student O.S.C.E.

Skills Evaluator: 10/27/04;

B. GME Residents' Core Curriculum:

August 23rd, 1999: Presented "Ethical Issues in Pediatrics" to the Texas A&M/Scott & White Hospital Pediatric Residents as part of training curriculum.

Repeated: December 6th and 13th, 1999; May 1st and 8th, 2000; May 13th, 2002;

August 8th, 2001: Presented "Risk Management in Pediatrics" to the Texas A&M/Scott & White Hospital Pediatric Residents as part of training curriculum.

December 17th, 2001: Presented "Cultural Competency in Health Care" to the Texas A&M/Scott & White Hospital Resident Housestaff as part of the GME Joint Conference series.

February 4th, 2002: Presented "Cultural Competency in Health Care: Hispanic Health" to the Texas A&M/Scott & White Hospital Resident Housestaff as part of the GME Joint Conference series.

July 31st, 2003: Presented "Long Hours, Little Sleep: Are You Awake", to the UTMB Pediatrics and Adult Endocrine Subspecialty Residents.

April 6th, 2004: Presented "Pediatric Nutrition and Obesity" to the UTMB Pediatric Residents as part of the Year II Outpatient Clinic Block Curriculum.

Resident Noon Conference Core Curriculum

11/5/98 "IDDM"

01/7/99; 07/22/05; 08/18/06 "DKA"

03/4/99; 02/19/01; 03/20/06 "Hyperthyroidism"

05/6/99; 02/2/06 "Precocious Puberty"

11/4/99; 08/30/01 "Adrenal Insufficiency"

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11/29/99 "Medical Malpractice" 02/16/00; 10/17/01; "Turner's Syndrome" 05/4/00 "Type II Diabetes Mellitus" 09/22/00 "Long Term Management IDDM" 04/18/01 "Delayed Puberty" 08/8/01 "Risk Management" 09/11/01 "Clinical Ethics in Pediatrics" 11/01/01 "Cushing's Syndrome" 11/13/01 "Post-Operative Diabetes Insipidus" 02/21/02; 12/18/06 "Growth and Growth Disorders" 01/28/2003 "Diabetic Ketoacidosis" (co-presenter) 10/20/2003 "Abnormal Growth and Growth Hormone Deficiency" 05/17/2004 "Metabolic Bone Diseases in Pediatrics" 08/18/2004 "Medical Errors and Duty Hours" 09/08/2004 "Hypoglycemia" 01/28/05 "Hypercortisolism in Pediatrics: Too much of a Good Thing" 02/28/05 "Hypocortisolism in Pediatrics: Not enough of a Good Thing" 08/16/05 "Case-Based Growth and Growth Disorders in Pediatrics" 09/09/05 "Outpatient Management of IDDM in Pediatrics" 09/21/06 "Insulin Dynamics and Pharmacokinetics" 05/21/07 "Delayed Puberty" 07/16/07 "Diabetic Ketoacidosis Diagnosis and Management" 07/19/07 "Medical Errors and Duty Hours" 12/17/07 "Hypothyroidism" Attended: 24 conferences July 2001 - June 2002

5 conferences July 2002 - June 2003

2 conferences July 2003 - December 2003

3 conferences January 2004 - December 2004

1 conference January 2005 – December 2005

Pediatric Grand Rounds

Lecture (Solo):

 • (2010).		
02/24/99	Diabetes in the New Millennium	Category I CME
08/25/99	Medicolegal Issues in Pediatrics	Category I CME
01/03/01	Grave's Disease that Wasn't	Category I CME
06/27/01	A Pediatrics Obesity Epidemic	Category I CME
07/18/03; 08/1	8/06 Long Hours, Little Sleep: Are	You Awake?
		Category I CME
11/14/03	Teaching from Medical Errors	Category I CME
01/30/04	Cultural Competency: Hispanic Heal	th
		Category I CME

Lecture (2 or more partners):

07/20/07 Rotation Goals and Objectives 09/14/07 Professionalism in Medical Education 12/07/07 Rotation Goals and Objectives II

Attended: 9 Grand Rounds July 1998 – June 1999

12 Grand Rounds July 1999 – June 2000

22 Grand Rounds July 2000 – June 2001

23 Grand Rounds July 2001 – June 2002

12 Grand Rounds July 2002 – June 2003

11 Grand Rounds July 2003 – December 2003

22 Grand Rounds January 2004 – December 2004

16 Grand Rounds January 2005 – December 2005

23 Grand Rounds January 2006 - December 2006

23 Grand Rounds January 2007 – December 2007

Morbidity and Mortality/Clinical Pathologic Conference

Attended: 03/21/03; 08/01/03; 08/15/03; 12/05/03;

Problem-Based Learning

Presented "Problem-Based Case Learning" to the Pediatric Residents as part of training curriculum. 11/06/01; 11/19/01; 12/17/01; 01/30/02; 02/25/02; 10/10/02; 10/17/02; 10/31/02; 11/21/02; 02/06/03; 04/14/05; 05/05/05; 05/27/05; 06/07/05; 12/15/05; 03/09/06; 08/23/06; 11/15/06; 09/19/07; 08/10/07; 09/26/07;

Academic Resident Ward Rounds

Facilitator: 10/23/02; 11/05/02; 11/13/02; 01/15/03; 02/26/03; 03/26/03; 04/16/03; 05/2103; 06/18/03; 07/30/03; 08/27/03; 09/24/03; 10/22/03;

Resident as Teachers and Supervisory Workshop:

Presenter: 01/17/03; 01/31/03; 06/16/03; 06/18/04; 06/10/05; 06/16/06;

UTMB GME Managed Care Workshop:

Facilitator: 11/01/05

C. Other Lectures

03/1/99 "In-Hospital Care of IDDM patients" to the Floor RN's (3 hours)

02/16/99 "Pediatric Endocrine Rounds" to the Pediatric Inpatient House Staff; 10/15/98; 12/15/98:

03/30/99 "Precocious Puberty" to the Pediatric Inpatient House Staff

01/19/99 "Stress Hyperglycemia" to the Pediatric Inpatient House Staff

11/17/98 "Stress Management of Adrenal Insufficiency" to the Pediatric Inpatient House Staff

11/5/98 "IDDM Management" to the Pediatric Inpatient House Staff

04/6/99 "Pediatric Endocrine Journal Club" to the Pediatric Endocrine staff and rotating pediatric residents/students; 5/4/99; 7/6/99; 9/9/99; 12/16/99; 2/7/2000; 3/15/2000; 08/21/2000; 1/29/2001; 2/26/2001; 6/21/2001; 7/19/2001; 9/24/2001; 11/19/2001; 03/25/2002;

06/22/2000 "Diabetes Mellitus in Pediatrics" to the Family Practice resident and Senior Staff

05/16/2002 "Obesity Prevention and Management in Pediatrics" to the Family Practice resident and Senior Staff

D. Other Invited Professional Presentations

Presented: "Pediatric Endocrinology Board Review Course"
The Osler Institute,
Atlanta, Georgia June 8th, 1999; September 18th, 1998; May 20th - 21st, 2001;
Chicago, Illinois, October 15th, 1999; October 11th- 12th, 2001;
Tampa, Florida, June 5th, 2000; May 21st - 22nd, 2002;

Presented "Growth & Growth Disorders" at the Myers Lectureship in Temple, Texas March 26th, 1999; "to the S&W Waco Clinic Primary Care Physicians in Waco, Texas December 10th, 1998; at the Pediatric Subspecialty for the Primary Care Provider seminar in Austin, Texas February 5th, 1999; to the Pediatric Psychiatry fellows, Temple, Texas April 7th, 1999; "at the 15th Family Medicine Review, Austin, Texas April 15th, 1999; to the Round Rock, Georgetown and North Austin Primary Care Providers in Round Rock, Texas March 14th, 2000;

Presented "Hyperprolactinemia" to the Waco Clinic Primary Care Physicians, Waco, Texas February 25th, 1999

Presented "Risk Management" to the Division Director's Meeting, Temple, Texas, 1/19/99; 2/16/99; 3/16/99; 9/7/99;

Presented: "D.I." to the S&W Waco Clinic Primary Care Physicians, Waco, Texas January 28th, 1999

Presented: "Overview on Precocious Puberty" to the Waco Clinic Primary Care Physicians, Waco, Texas November 12th, 1998; to the Pediatric Psychiatry fellows, Temple, Texas October 1998; to the Bryan/College Station Clinic Senior Pediatric Staff, College Station, Texas June 15th, 1999

Presented: "Needle Free Insulin Delivery Systems" to the Round Rock Family Practice Physicians, Round Rock, Texas November 11th, 1998

Presented: "Type II Diabetes Mellitus" to the Waco Clinic Senior Staff Physicians, Waco, Texas March 25th, 1999

Presented: "ADD and Hyperthyroidism" to the Pediatric Psychiatry fellows, Temple, Texas October 1998

Presented: "Obesity and Type II Diabetes Mellitus" to the Bryan/College Station Clinic Senior Staff Pediatricians, College Station, Texas May 18th, 1999; " to the S&W Round Rock Clinic Primary Care Physicians in Round Rock, Texas September 1st, 2000; at the S&W Pediatric Topics to regional school nurses Temple, Texas February 23rd, 2001; at the 17th Family Medicine Review, Austin, Texas April 12th, 2001; to the Round Rock Clinic Senior Staff, College Station, Texas April 13th, 2001; to the Bryan/College Station Clinic Senior Pediatric Staff, College Station, Texas April 17th, 2001; to the Waco Clinic Senior Pediatric Staff, College Station, Texas April 19th, 2001; " at the Pediatric Faculty Forum, UTMB Galveston, Texas November 9th, 2001; at the Pediatric Subspecialty for the Primary Care Provider seminar in Austin, Texas February 15th, 2002; to the Family Practice residents and Senior Staff Temple, Texas May 16th, 2002;

Presented: "Cushing's Syndrome in Pediatrics" to the Waco Clinic Senior Staff, Waco, Texas May 21st, 1999

Presented: "Clinical Ethics in Pediatrics" and "Documentation and Coding for the new Millennium" at Issues in Pediatrics for the Primary Care Physician, Durango, Colorado July 14th and 15th, 1999; at the UTHSCSA Pediatrics for the Practitioner, San Antonio, Texas June 9th, 2001; at the Texas Pediatric Society Annual Meeting and Seminar, Galveston, Texas September 22nd-23rd, 2001;

Presented: "Newborn Screening for Congenital Hypothyroidism and Congenital Adrenal Hyperplasia: An Update" at the Issues in Pediatrics for the Primary Care Physician, Durango, Colorado July 14th and 15th, 1999; to the Bryan/College Station Clinic Senior Pediatric Staff and Nursing Staff College Station, Texas October 18th, 2001;

Presented: "Pediatric Endocrine Emergencies" at the Critical Care Conference at Scott & White, Temple, Texas August 13th, 1999

Presented: "Ambiguous Genitalia" to the Waco Clinic Senior Staff, Waco, Texas August 26th, 1999; to the College Station Clinic Senior Staff, College Station, Texas October 19th, 1999

Presented: "Insulin Adherence to I.V. Tubing" to the Pediatric Residents at Resident Journal Club, Temple, Texas, October 1st, 1999

Presented: "Redefining the Age at which Puberty is Precocious in Girls in the United States" to the Pediatric Residents at Resident Journal Club, Temple, Texas December 3rd, 1999

Presented: "Ethical Consultations in Pediatrics" to the Scott & White Pediatric Forum, Temple, Texas December 3rd, 1999

Presented: "Diabetes Phone Triage" to the S & W Waco Clinic Primary Care Physicians in Waco, Texas December 10th, 1998 and January 26th, 2000; to the S & W Bryan/College Station Clinic Primary Care Physicians in College Station, Texas February 28th, 2000; to the Bryan/College Station Clinic Senior Pediatric Staff, College Station, Texas August 17th, 2001;

Presented: "Documentation and Coding for the new Millennium" at the Pediatric Subspecialty for the Primary Care Provider seminar in Austin, Texas February 4th, 2000

Presented "Care of Children with Diabetes" at the Pediatric Challenges Workshop: Current Pediatric Issues in Temple, Texas May 3rd, 2000; at the Connection for Health workshop for school nurses in Taylor, Texas June 21st, 2000;

Presented "Growth Hormone Therapy after Growth Ceases" to the S & W Bryan/College Station Clinic Primary Care Physicians in College Station, Texas March 27th, 2000

Presented "Hypoglycemia and Hypocalcemia in Pediatrics" to the S & W Waco Clinic Primary Care Physicians in Waco, Texas April 18th, 2000

Presented "Ethics Workshop in Pediatric Endocrinology" at the Growth and Growth Factors in Endocrinology and Metabolism Congress in Marrakech, Morocco April 6th–9th, 2000

Presented "Outpatient Treatment of mild D.K.A." to the S&W Bryan/College Station Clinic Primary Care Physicians in College Station, Texas May 15th, 2000

Presented "Osler in Wonderland: Pediatrics Ethics in the Age of Managed Care" at the Texas Pediatric Society Annual Meeting in Dallas, Texas September 24th, 2000

Presented "The Ethics of Growth Hormone Use" at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas in South Padre, Texas October 12th-14th, 2000

Presented "Premature Thelarche" to the S&W Waco Clinic Primary Care Physicians in Waco, Texas November 15th, 2000

Presented "Vitamin D Deficient Ricketts" to the S&W College Station Clinic Primary Care Physicians in College Station, Texas November 29th, 2000

Presented: "Asymptomatic Goiters in Children" to the Bryan/College Station Clinic Senior Pediatric Staff, College Station, Texas June 15th, 1999; to the Bryan/College Station Clinic Senior Pediatric Staff, College Station, Texas January 16th, 2001;

Presented: "Medullary Thyroid Carcinoma in Children" to the Round Rock Clinic Senior Staff, Round Rock, Texas March 2nd, 2001

Presented: "Update on Growth Hormone Therapy" to the S&W Pharmacy Staff, Temple, Texas March 1st, 2001

Presented: "Puberty and Pubertal Disorders" to the Pediatric Psychiatry fellows, Temple, Texas May 29th, 2001; ; to the Pediatric and Internal Medicine Endocrine faculty at Endocrine Grand Rounds, UTMG Galveston, October 12th, 2004;

Presented "Pediatric Endocrinology and Radiology" at the Pediatrics Radiology Seminar, Temple, Texas July 21st, 2001

Presented: "Juvenile Osteoporosis" to the Waco Clinic Senior, Waco, Texas August 26th, 2001

Presented: "Risk Managing your Practice" at the Texas Pediatric Society Annual Meeting and Seminar, Galveston, Texas September 22nd-23rd, 2001; Dallas, Texas September 9th-11th, 2004;

Presented: "Nasal Insulin Delivery" to the Bryan/College Station Clinic Senior Pediatric Staff and Nursing Staff, College Station, Texas December 18th, 2001

Presented: "Diabetes in Pediatrics" at the Pediatrics Forum and Perinatal Seminar Temple, Texas December 7th, 2001

Presented "Adrenal Insufficiency in Pediatrics" to the S & W Waco Clinic Primary Care Physicians in Waco, Texas March 28th, 2002

Presented "The Legal Aspects of Practice" at the Texas Pediatric Society's Annual Meeting Medical Student Session in Fort Worth, Texas September 28th, 2002; Dallas, Texas September 11th, 2004; September 16th, 2006;

Presented: "Risk Managing your Practice" at the Texas Pediatric Society Annual Meeting and Seminar, Medical Student Session, Fort Worth, Texas September 28th, 2002

Co-Presented "Undergraduate Medical Education" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas January 10th, 2003

Presented "Graduate Medical Education: The Year in Review" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas January 31st, 2003; June 25th, 2004; June 24th, 2005; July 21st, 2006; August 17th, 2007;

Presented "Subspecialty Training Requirements: An Update" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas December 17th 2004;

Presented: "Obesity prevention and Management in Children and Adolescents: A Time for Accountability" at Children's Hospital of Austin Grand Rounds, Austin, Texas April 11th, 2003: at the Stark Diabetes Center Continuing Education Series, Galveston, Texas April 15th, 2003; at the Bay Area Pediatrics Society Meeting, Webster, Texas May 22nd, 2003

Presented: "Choosing a Residency Program" at the Texas Pediatric Society Annual Meeting and Seminar, Medical Student Session, Galveston, Texas October 4th, 2003

Presented: "Overview of Pediatric Subspecialties" at the Texas Pediatric Society Annual Meeting and Seminar as part of a five member Subspecialty Physician Panel, Medical Student Session, Galveston, Texas October 4th, 2003

Co-Presented "On-Line Resident Evaluation" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas October 24th, 2003

Presented: "Beyond the One-Minute Preceptor: Improving Learner Diagnostic Skills" at USC Innovations in Education Conference, Pasadena, California February 29th, 2004

Presented: "A Critical Skills Curriculum for Pediatric Residents" at USC Innovations in Education Conference, Pasadena, California February 29th, 2004

Presented: "Obesity Prevention: A Workshop" at UTMB Annual Review and Update Conference Galveston, Texas June 10th-11th, 2004

Presented: "Medicaid and SCHIP: An Overview" to the American Medical Student Association, UTMB-Galveston Chapter, Galveston, Texas October 20th, 2004: at the Annual Pediatric Review and Update Conference, Galveston, Texas June 19th, 2009

Presented: "Pediatric Subspecialties as a Career" to the UTMB-Pediatric Student Association, Galveston, Texas October 7th, 2004

Presented: "Teaching and Team Management: A Year 3 Resident Selective" at USC Innovations in Education Conference, Pasadena, California March 5th, 2005

Presented: "Slipped Capital Femoral Epiphysis in Growth Hormone Therapy: A Mini Morbidity & Mortality Conference" at the Annual PESTOLA Conference, Austin, Texas October 7th, 2005

Presented: "Growth Hormone Therapy in SGA Children" to the UTMB-Pediatrics Residents and Faculty, Galveston, Texas December 13th 2005; at the Bay Area Pediatrics Society Meeting, Webster, Texas May 24th, 2006; at the Beaumont-Port Arthur Pediatric Society, Beaumont, Texas February 27th, 2007;

Presented "New Pediatrics' RRC Guidelines" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas February 24th, 2006

Presented: "Growth Hormone Treatment in Obesity" at UTMB Annual Review and Update Conference, Galveston, Texas June 1st – 2nd, 2006

Presented: "Growth Hormone Therapy in Idiopathic Short Stature" at the annual PESTOLA Conference, San Antonio, Texas September 29th, 2007

Presented: "Inhaled Insulin for Diabetes" at UTMB Annual Review and Update Conference, Galveston, Texas June $8^{th} - 9^{th}$, 2007

Presented: "The Socialization of Obesity" to the UTMB American Medical Student Association, Galveston, Texas January 30th, 2007

Presented: "Hispanic Health" to the UTMB Frontera de Salud Medical Student Chapter, Galveston, Texas February 6th, 2007

Presented: "Health Care Reforms and Medicaid" at the 42nd Annual Haltalin Pediatrics for the Practitioner Conference, UT-Southwestern Medical Center/Children's Medical Center, Richardson, Texas April 9th-10th, 2010

Presented: "Health Care Reform and Medicaid" at the Pediatric Endocrine Society of Texas, Oklahoma and Louisiana (PESTOLA) Annual Meeting, Fort Worth, Texas January 29th, 2012.

Presented: "Affordable Care Act post-SCOTUS: Now What?" at the Pediatric Endocrine Society of Texas, Oklahoma and Louisiana (PESTOLA) Annual Meeting, San Antonio, Texas February 9th, 2013.

Presented: "Understanding Managed care and Medicaid: The World of Case Management and Prior Authorization" at the Midwest Pediatric Endocrine Society (MWPES) Annual Meeting, Chicago, Illinois March 16th, 2013.

Presented: "Clinical Practice Guidelines and the Standard of Care" at the American Academy of Pediatrics National Conference and Exhibition, Orlando, Florida October 26th -29th, 2013; at the Pediatric Endocrine Society of Texas, Oklahoma and Louisiana (PESTOLA) Annual Conference, Oklahoma City, Oklahoma. January 24th – 25th, 2014

Presented: "Healthcare in America" to the first year class at the University of North Texas Health Science Center's School of Physicians Assistants. Fort Worth, Texas April 16th, 2015.

Presented: "Parsimony in Pediatric Care: Is it Medically Necessary?" at the University of North Texas Health Science Center Ethics Grand Rounds. Fort Worth, Texas September 30th, 2015.

Co-Presented "STAR Kids and Adult Care Transitions for Patients with Medical Complexity" at the Inaugural North Texas Care Transitions Conference, University of North Texas Health Sciences Center. Fort Worth, Texas February 16th, 2017

Co-Presented: "Obtaining a Medical History in Hispanics" to the UTMB Que Quiere Decir Medical Student Chapter, Galveston, Texas September 25th, 2007

Co-Presented "Towards an Innovative Core Curriculum for Residents in Pediatrics" to the UTMB Pediatric Faculty at Friday Faculty Forum, Galveston, Texas November 30th, 2007

Co-Presented "Healthy Children 2020: Community Health – Progress and Next Steps" to the Cook Children's Health Care Services clinical staff at Tuesday Grand Rounds, Fort Worth, Texas October 9th, 2012

Participating Faculty/Panel Moderator, *NIDDM in Minority Youth*, University of Arizona Health Sciences Center, Tucson, Arizona, 1996

Participating Faculty, *Early Hospital Discharge; Impact on Newborn Screening*; Conference, Washington, D.C. (sponsored by The Council of Regional Networks for Genetic Services and the Maternal and Child Health Bureau, Health Resources and Services Administration, Department of Health and Human Services) 1995

Participating Faculty, *Use of Needle Free Transjectors in IDDM*, European Society of Pediatric Endocrinologists - Montpelier, France, 1996

Session Moderator, "Innovations in Pediatric Education", Transforming Health Profession Education through Innovation, Los Angeles, California March 1st, 2003

Session Moderator, "HIPAA Awareness", Texas Pediatric Society Annual Meeting, Galveston, Texas October 3rd, 2003

Participating Faculty and Session Presenter, "Requiring Routine Second Testing in Newborn Screening" (protocol development, Association Public Health Laboratories meeting), Silver Spring, Maryland December 4th-5th, 2006.

Invited Participant, Agency for Healthcare Research and Quality Experts' meeting, Measurement Criteria for the Pediatric Health Care Quality Measures Program, Rockville, MD February 23rd-25th, 2010.

Invited Panel Participant, UT Southwestern Division of Outcomes and Health Services Research, "The Supreme Court and the future of Health Care Reform: A Panel Discussion on the Affordable Care Act." UT Southwestern Medical Center, Dallas, Texas July 11th, 2012.

Invited Panel Participant, Healthcare in a Civil Society: "Who is Accountable for your Health?"

University of North Texas Health Sciences Center, Fort Worth, Texas February 8^{th} , 2014

Invited MCO Panel Participant: "Collaborative Connections – Impacting Care".

Texas 1115 Waiver Learning Collaborative.

Hurst Convention Center. Hurst, Texas

February 23rd, 2017

E. Lay Presentations

Presented: "New Aspects of IDDM Therapy and Growth Therapy in Short Children" to Costa Rica - National TV, October, 1998

Presented: "Pediatric Sub-Specialty Care" to group of Parents of children with Disabilities at Round Rock High School. November 19, 1998

Presented: "Reflections on the last 30 years of Health Care" at Texas A&M/Scott & White Hospital Pediatrics Residency Training Program 2004 Graduation, Temple, Texas May 27th, 2004

Presented: "Obesity and Social Policy" to Texas' Health and Human Services Commission, Public Assistance Benefits Review and Design Committee, Texas September 24, 2004

Co-Presented: "Compliance Challenges in Billing Medicaid and CHIP" to the UT Systems Compliance Officers and staff, Austin, Texas August 27th, 2009

Presented: "Clinical Guidelines and Medical Liability Risk" at the National Association of State Medicaid Directors/American Public Human Services Association Annual Conference. Arlington, Virginia November 9th, 2010

Presented: "Potentially Preventable Readmissions in In-Patient Care in Texas – Analysis and Results" at the National Association of State Medicaid Directors/American Public Human Services Association Annual Conference. Arlington, Virginia November 10th, 2010

Presented: "Potentially Preventable Readmissions in Pediatric In-Patient Care in Texas – The Third P in PPRS" at the Medicaid Management Information Systems Conference. Austin, Texas August 2nd, 2011

Presented: "My Career Path -- It could be Yours!!!" to the University of North Texas Pediatrics Club student members, Fort Worth, Texas December 6th, 2012

Invited Panel Participant, Diversity Pipelines in Medical, Biomedical and Social Sciences. "Eliminating 21st Century Color Barriers." University of North Texas Health Sciences Center, Fort Worth, Texas February 28th, 2013.

Presented: "Immunizations and Hispanic Wellness" to the Fort Worth Hispanic Chamber of Commerce. Cook Children's Medical Center, Fort Worth, Texas February 14th, 2014.

F. Other Teaching Conferences (Attended)

Morning Report: (Attended) 8 Morning Reports July 2000 – June 2001
63 Morning Reports July 2001 – June 2002
131 Morning Reports July 2002 – June 2003
71 Morning Reports July 2003 – December 2003
118 Morning Reports January 2004 – December 2004
120 Morning Reports January 2005 – December 2005
127 Morning Reports January 2006 – December 2006
118 Morning Reports January 2007 – December 2007

Pediatric Case Conference: (Attended) 10/01/01; 11/05/01;

Resident Journal Club: (Attended)
7 Journal Clubs July 2001 – June 2002
8 Journal Clubs July 2002 – June 2003
7 Journal Clubs July 2003 – December 2003
19 Journal Clubs January 2004—December 2004
16 Journal Clubs January 2005 – December 2005
12 Journal Clubs January 2006 – December 2006
14 Journal Clubs January 2007 – December 2007

Resident Research Forum: (Attended) 04/03/03; 04/01/04; 03/31/05; 04/13/06; 03/29/07;

<u>Combined Endocrine Conference</u>: (Attended)

10 conferences July 2002 – June 2003 7 conferences July 2003 – December 2003 5 conferences January 2004 – December 2004 1 conference January 2005 – December 2005

<u>Pediatric Endocrine Journal Club</u>: (Attended) 01/29/03; 02/19/03; 03/19/03; 04/16/03; 07/16/03; 09/17/03;

<u>Stark Diabetes Lecture Series</u>: (Attended) 02/04/03; 04/01/03; 04/15/03; 05/20/03; 07/01/03; 09/02/03; 09/16/03; 05/18/04; 09/07/04; 11/02/04; 04/04/06; 08/15/06;

Faculty Forum: (Attended) H.I.P.A.A. May 16th, 2003;

Consult Coding and RVUs 08/29/03;

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05/28/04; 06/25/04; 08/20/04; 09/17/04; 12/17/04; 06/24/05; 10/28/05; 12/16/05; 01/13/06; 01/20/06; 02/24/06; 03/24/06; 03/31/06; 07/21/06; 12/15/0/6; 01/05/07; 02/23/07; 03/02/07; 03/23/07; 08/17/07;

<u>Pediatric Endocrine Core Curriculum Case Conference</u>: (Attended) 08/06/03; 09/03/03; 12/03/03; 02/04/04;

<u>Pediatric Student Association Journal Club</u>: (Attended) 02/23/06; 10/11/06; 01/12/07; 02/26/07; 09/11/07; 11/06/07;

G. Learner Supervision

Resident Continuity Clinic/Night Clinic

Date: August 28th, 2000 Time: 4hrs September 6th, 2000 Time: 4hrs

Medical Student Clinic

Date: April 9th, 2001 Time: 4hrs

Faculty Advisor Forssman Osler Student Society 2006

Dates: October 30th, 2006; November 30th, 2006; February 22nd, 2007; June 14th, 2007; July 6th, 2007; September 11th, 2007; December 4th, 2007;

Faculty Advisor MS IV Three students 2001-2002

Two students (Aggie Alexander, Connie Wang)

2002-2003

Three students (Aggie Alexander-Hunt; Michelle

Holick, Judy Chang)

2003-2004

Three students (Carla Gendron; Michelle Holick,

Judy Chang) 2003-2004

Four students (Carla Gendron; Michelle Holick,

Judy Chang, Jeanne Velasco)

2004-2005

Three students (Melanie Cree-Green; Sylvia

Martinez; Jeanne Velasco)

2005-2006

Four students (Jeanne Velasco; Melanie Fields;

Jennifer Valliere; Joanna McKey)

2006-2007

Junior Faculty:

Todd M. Poret, M.D.

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Dartmouth Medical School Lebanon, New Hampshire 2007-Angela Mihalic, M.D. U.T. Southwestern Dallas, Texas 2006-Susan K. Lovich, M.D., M.P.H. Fairfax Hospital for Children's Falls Church, Virginia 2005-2007 Cassandra Pruitt M.D. UTMB Children's Hospital Galveston, Texas 2003-Ronald Coleman, M.D. Private Pediatric Practice Killeen, Texas 2002-

Pediatric Endocrine Electives (Residents/Students) - 1 Month each September 1998; October 1998; November 1998; January 1999; February 1999; March 1999; May 1999; June 1999; July 1999; August 1999; September 1999; October 1999; November 1999; December 1999; January 2000; February 2000; March 2000; April 2000; May 2000; July 2000; September 2000; October 2000; November 2000; December 2000; January 2001; February 2001; July 2001; August 2001; September 2001; November 2001; December 2001; January 2002; February 2002; March 2002; March 2003; August 2003; September 2003; September 2005; October 2005; August 2006; October 2006; June 2007; July 2007; September 2007; October 2007; November 2007;

<u>Public Policy and Health Care Financing UT-Southwestern School of Medicine Year 4</u> <u>Elective</u> - 2 weeks each

August 2009 (V. Ajmera); September/October 2009 (A. Flack, A. Alvarado); February 2010 (S. Patel); May 2010 (A. Khuu); September/October 2010 (D. Furman, H. Copeland); October/November 2010 (T. Griffith, B. Young); January 2011 (J. Variste, M. McRaney); February 2011 (D. Buethe); March 2011 (d. Lucio); April 2011 (A. Dave);

H. Curricular Development

Community Population Health and Public Policy Curriculum, Third and
Fourth Year Medical Student research Elective,
Center for Children's Health, Cook Children's Health Care Services

State of Texas Public Policy and Health Care Financing Practicum School of Public Health University of Texas Health Sciences Center at Houston, Austin Regional Campus	2011
Public Policy and Health Care Financing Curriculum UT-Southwestern School of Medicine Year 4 Elective	2009
Web-Based Curriculum for Professionalism in Pediatrics' Residency Training UTMB Department of Pediatrics' Residency Training	2007
Medical Errors and Patient Safety in Health Care, UTMB School of Medicine Year 4 Basic Science & Humanities Selective	2006
Combined Pediatrics/Dermatology Five Year training Program (first in US)	2004
Pediatric Residency Program, Teaching and Team Management Year 3 Selective	2004
Pediatric Residency Program, Toxicology/Pharmacology Year I Selective	2003
Pediatric Residency Program, Obesity Prevention and Management Curriculum	2002
Pediatric Residency Program, Problem-based Learning Curriculum for first year residents	2001
Pediatric Residency Program, Community Health Rotation Curriculum	2001
Pediatric Residency Program, Didactic Noon Conference Resident Lecture Series	2001
Pediatric Clerkship, Medical Student Case-based Lecture Series Revised	2000 2002
Pediatric Clerkship, Medical Student Case-based Lecture Series	1999
Pediatric Residency Program, Ethics Curriculum	1999
Pediatric Endocrinology, Resident Rotation Curriculum	1998
I. Awards	
Excellence in Teaching, Children's Medical Center Housestaff UT Southwestern, Dallas, Texas	8-1989
Excellence in Pre-Clinical Education (nominee) UTMB, Galveston, Texas	2-2003

Inaugural Member, UTMB Academy of Master Teachers

2007-

Member, University of Texas Academy of Health Science Education

2008-

Inaugural Presidential Professionalism Award for:

October 2007

Niebuhr V, Khilnani N, Luk J and Gonzalez JL; "Professionalism in Pediatrics: Education and Development of Criteria for Use in Evaluating Resident and Faculty Professionalism", The University of Texas Medical Branch-Galveston's First Annual Professionalism Summit, Galveston, Texas

.

J. Interviews

Resident Recruitment:

Dates: UTMB Residency Fair, September 4th, 2002; September 18th, 2003;

September 1st, 2004;

Applicant Name: Interviewed 91 resident applicants
Date: from November 2002 through January 2003
Applicant Name: Interviewed 102 resident applicants
Date: from October 2003 through January 2004
Applicant Name: Interviewed 109 resident applicants
Date: from October 2004 through January 2005
Applicant Name: Interviewed 114 resident applicants
Date: from October 2005 through January 2006
Applicant Name: Interviewed 131 resident applicants
Date: from October 2006 through January 2007
Applicant Name: Interviewed 71 resident applicants
Date: from October 2007 through December 2007

Resident Recruitment:

Texas A&M College of Medicine, 8 applicants, Temple, Texas August 8th, 2003;

U.T. Southwestern, 12 applicants, Dallas, Texas August 25th, 2003;

U.T.M.B. 20 applicants, Galveston, Texas October 1st, 2003;

U.T. Houston 2 applicants, Houston, Texas October 28th, 2003

University of North Texas, College of Osteopathic Medicine 20 applicants,

Fort Worth, Texas March 26th, 2004

LSU/Tulane Recruitment Fair, New Orleans, Louisiana, September 29th, 2004

American Medical Student Association, Southeast Region Recruitment Fair,

Nashville, Tennessee, October 23rd, 2004

U.T.M.B. Residency Fair, Galveston, Texas May 9th, 2007;

Medical Student Applicant Interviews:

Dates: October 11th, 2002; November 1st, 2002; November 15th, 2002; November 22nd, 2002 (X2); August 15th, 2003; August 29th, 2003 (x2);

September 5th, 2003; September 12th, 2003; September 19th, 2003;

October 24th, 2003 (x2); December 17th, 2003; December 19th, 2003 (x2);

August 13th, 2004; August 20th, 2004; September 3rd, 2004 (x2); September 17th, 2004;

October 8th, 2004 (x2); October 29th, 2004; November 5th, 2004; December 8th, 2004;

Applicant Name: Interviewed 12 UTMB School of Medicine applicants

Date: from August 2005 through December 2005

Applicant Name: Interviewed 4 UTMB School of Medicine applicants

Date: from August 2006 through December 2006

Applicant Name: Interviewed 4 UTMB School of Medicine applicants

Date: from August 2007 through December 2007

Research/Scholarly Projects

Areas of interest include Growth and Growth Disorders, Obesity and Type II Diabetes and more recently, Innovative Educational Curricula and Learner Evaluation.

Investigator, National Cooperative Growth Study

Genentech Corporation Post Marketing Surveillance

1987 - 2000

Investigator, Kids International Growth Study
Pharmacia-Upjohn
1997 - 2000

Investigator, Novo-Nordisk Growth Hormone Registry 2003 - 2008

A. Posters

1st Author

Gonzalez, JL & Gilmer, L "Obesity Prevention in Pediatrics" at New Approaches in Medical Education, May 9th-11th, 2002 U.S.C. Los Angeles, California; at "First International Congress on Therapies against Obesity", May 18th-19th, 2006, Paris, France

Other Author

Hill, BA, Simmons, V, Blackwell, TA, Stewart, R, Gonzalez, JL et al: "Customized Evaluation System for Graduate Medical Education."

COMSEP: Innovations in Education Bloomfield, Colorado April 4th, 2003

Chen, HC & Gonzalez, JL: "A Recipe for an Educational Portfolio." Medical Student SIG, Pediatric Academic Societies Annual Meeting Seattle, Washington May 6th, 2003

Nelson, C & Gonzalez, JL: "A Proactive Web-Based Duty Hours Monitoring System." APPD Annual Meeting, San Francisco, California April 30th, 2004

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Nelson, C, Turley, C & Gonzalez, JL: "Lessons Learned from a Web-Based Duty Hours Tracking System", Southern Society for Pediatric Research, New Orleans, Louisiana February 26th, 2005

Nelson, C, Stocker, N & Gonzalez, JL: "A Proactive Web-Based Duty Hours Monitoring System: What Have We learned One Year Later." APPD Annual Meeting, Washington, District of Columbia May 13th, 2005

Niebuhr V, Gonzalez JL and Beach P: "Web-Based Video Recorded Evaluations to Assess resident Competencies", The University of Texas Academy of Health Science Education, 3rd Annual Conference in Innovations in Health Science Education, Austin, Texas October 5th – 6th, 2006;

Niebuhr V, Khilnani N, Luk J and Gonzalez JL; "Professionalism in Pediatrics: Education and Development of Criteria for Use in Evaluating Resident and Faculty Professionalism", The University of Texas Medical Branch-Galveston's First Annual Professionalism Summit, Galveston, Texas October 2nd, 2007; UTMB Academy of Master Teachers Education Symposium, Galveston Texas May 16th, 2008

Wilson, DP, O'Reilly, CM, Gonzalez, JL de la Torre, A & Brautbar, A.: "The Prevalence of Cardiovascular Risk factors in Children with Diabetes Mellitus" Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas Annual Meeting, Dallas, Texas January 23rd, 2015.

Deleeuw, P.M., Thornton, P., Gonzalez, J.L., Hsieh, S. & Wilson, D.P.: "Hospital Admission Rates for Children with Diabetic Ketoacidosis (DKA)." Research Appreciation Day, University of North Texas Health Science Center. April 17th, 2015.

Hamilton, L., Thornton, P., Gonzalez, J.L., Hsieh, S. & Wilson, D.P.: "Hospital Admission Rates for Children with Diabetic Ketoacidosis (DKA)." Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas Annual Meeting, Fort Worth, Texas January 23rd, 2016.

B. Abstract Presented

1st Author

Other Author

C. Manuscripts

1st Author Non-peer reviewed

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Gonzalez, JL. *Medication Management and Reconciliation*. Physician Leadership Journal, 3 (4): 24-29, 2016.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *What to do when an Auditor knocks on your Practice's Door*. Pediatricians and the Law, American Academy of Pediatrics News 2013 (October); pp. 18.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Can Clinical Practice Guidelines be considered the Standard of Care?* Pediatricians and the Law, American Academy of Pediatrics News 2012 (September); pp. 34.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Failure to Discontinue Prescriptions can lead to Adverse Events, Malpractice Suits*. Pediatricians and the Law, American Academy of Pediatrics News 2012 (July); pp. 14.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Policy highlights Importance of Risk Management, Medical Liability Insurance for all Physicians*. Pediatricians and the Law, American Academy of Pediatrics News 2011 (September); pp. 22.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Texas' Medical Liability Landscape improves after Tort reform enacted*. Pediatricians and the Law, American Academy of Pediatrics News 2010; 31(5): 20.

Alfaro, P. & Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Health Care Fraud and Abuse: Document to avoid It.* Pediatricians and the Law, American Academy of Pediatrics News 2010; 31(8):28.

Gonzalez, J.L. and the AAP National Committee on Medical Liability and Risk Management: *Get it in Writing: Good Advice when it comes to Tail Insurance*. Pediatricians and the Law, American Academy of Pediatrics News, 2009 (April).

Gonzalez, J.L. & Hollier, L.M.: *Residency Program Directors face Challenges when giving Recommendations for Trainees*. American Academy of Pediatrics News 2008 (January); 29(1): 16.

Gonzalez, J.L., Verrips, G.H., Fekkes, M. and Hirasing, R.A.: *Psychological Responses to the Needle-Free Injection of Insulin with the Disposable Front-End Medi-Jector* Today's Therapeutic Trends 16: 53 - 71, 1998.

Gonzalez, J.L., Prentice, L.G. and Ponder, S.W.: *Congenital Adrenal Hyperplasia. A Handbook for Parents*. Texas Department of Health Newborn Screening Program.

Austin, Texas 1993

Peer reviewed

Gonzalez JL & Gilmer L. *Obesity Prevention in Pediatrics: A Pilot Pediatric Resident Curriculum Intervention on Nutrition and Obesity Education and Counseling*. Journal of the National Medical Association 2006; 98(9): 1483-1488.

Gonzalez, Jose L.: "The Legitimization of Fetal Tissue Transplantation Research" Creighton Law Review 34: 896-926, 2001

Gonzalez, Jose L.: "A Managed Care Organization's Medical Malpractice Liability for Denial of Care" Houston Law Review 35: 715-799, 1998

Other Author

Non-peer reviewed

"Managing Diabetes: Part I Understanding Type II Diabetes" American Medical Association May 2000

"Managing Diabetes: Part II Treatment Issues in Type II Diabetes" American Medical Association September 2000

Peer reviewed

Vinson, A., Wilson, D. P., O'Reilly, C. M., Gonzalez, J., de la Torre, A., and Brautbar, A. *The Prevalence of Dyslipidemia and other Cardiovascular Risk Factors in Youth with Diabetes*. Journal of Clinical Lipidology 9 (3): 417-421, 2015.

Gary N. McAbee, Steven M. Donn, Robert A. Mendelson, William M. McDonnell, Jeffrey Brown, David Marcus, Jose L. Gonzalez, and Julie Kersten Ake (the AAP National Committee on Medical Liability and Risk Management)

Policy Statement-Expert Witness Participation in Civil and Criminal Proceedings
Pediatrics 2009; 124: 428-437

Gary N. McAbee, Steven M. Donn, Robert A. Mendelson, William M. McDonnell, Jose L. Gonzalez, and Julie Kersten Ake: *Medical Diagnoses Commonly Associated with Pediatric Malpractice Lawsuits in the United States*. Pediatrics 2008; 122: e1282-e1286

Felner, E.I. and Gonzalez, Jose L.: *Comparison of Jet Stream Medi-Jector and Conventional Insulin Syringe Using Humalog Insulin.* Diabetes Research 34: 113–123, 1999

Therrell, B.L., Jr, Berenbaum, S.A., Prentice, L., Gonzalez, J.L. and Gunn, S.: Results of Screening 1.9 Million Texas Newborns for 21-Hydroxylase-Deficient Congenital Adrenal

Hyperplasia. Pediatrics 101: 583 - 590, 1998.

Cantu, G., Buschang, P.H. and Gonzalez, J.L.: *Differential Growth and Maturation in Growth-Hormone-Deficient Children*. European J. of Orthodontics 19: 131-139, 1997.

Holmes, C.S., Hayford, J.T., Gonzalez, J.L. and Weydert, J.A.: *A Survey of Cognitive Functioning at Different Glucose Levels in Diabetic Persons*. Diabetes Care 6: 180 - 185, 1983.

D. Book Chapters

McDonnell, W & Gonzalez, JL. Health Care Fraud, Waste and Abuse In: Medicolegal Issues in Pediatrics. 7th Ed. Donn SM & McAbee GN, eds. American Academy of Pediatrics. 2012. Elk Grove Village, Illinois.

Gonzalez, JL. Career Transitions: Residency through Retirement In: Medicolegal Issues in Pediatrics. 7th Ed. Donn SM & McAbee GN, eds. American Academy of Pediatrics. 2012. Elk Grove Village, Illinois.

Gonzalez, JL. Medical Licensure, Specialty Boards and Practitioner data Banks In: Medicolegal Issues in Pediatrics. 7th Ed. Donn SM & McAbee GN, eds. American Academy of Pediatrics. 2012. Elk Grove Village, Illinois.

Turley, CB & Gonzalez JL. Succeeding as a Member of the Health Care Delivery Team In: Practicing Medicine in the 21st Century. Nash DB & Skoufalos A, eds. American College of Physician Executives. 2006. Tampa, Florida.

Halpern DG & Gonzalez JL. Medical Malpractice Protection In: Practicing Medicine in the 21st Century. Nash DB & Skoufalos A, eds. American College of Physician Executives. 2006. Tampa, Florida.

Gonzalez, JL. Adrenal Disorders In: Case-Based Pediatrics for Medical Students and Residents. Yamamoto, LG et al (eds) Chapter XV.4 pps. 500-505 Honolulu, Hawaii http://www.hawaii.edu/medicine/pediatrics/pedtext/s15c04.html Author House, June 30th, 2004 (ISBN # 1-4184-4728-5)

Gonzalez, J.L. and Marks, J.F.: Central Diabetes Insipidus, Diabetic Ketoacidosis, Acute Adrenocortical Insufficiency. In: Essentials of Pediatric Intensive Care. 2d Ed. 1997 Quality Medical Publishing, Inc., St. Louis, Missouri

E. Other

Workshops

Gonzalez, JL & Chen, HC: "To Portfolio or Not to Portfolio: A Workshop."

COMSEP: Achieving Excellence while Maintaining Balance, Bloomfield, Colorado April 4th, 2003

Niebuhr V, Gonzalez J & Beach P: "Web-based VideoRecorded Evaluations to Assess Resident Competencies"

The University of Texas Academy of Health Science Education, 3rd Annual Conference on Innovations in Health Science Education,

Austin, Texas October 5th-6th, 2006

Barone M, Mihalic A & Gonzalez J: "Teaching the Teachers How to Teach: Creating or Enhancing a "Residents as Teachers" Workshop at Your Institution" COMSEP Annual Meeting: Mentoring the Medical Educator San Antonio, Texas March 9th-11th, 2007

Benjamin, J, Spector, N & Gonzalez J: "Turning to Residents and Fellows as Teachers: From Curricula to Evaluation"

APPD Annual Meeting: Professional Development Across All Levels of Residency Program Leadership"

Toronto, Canada May 2nd-5th, 2007

Editorial Board

Consultant and Content Reviewer, American Medical Association's Diabetes CME Program Advisory Board	1999 – 2002
Content Reviewer, APA Educational Guidelines for Residency Training in General Pediatrics- Endocrine Section	2002
Manuscript Reviewer, Journal of the National Medical Association	2006
Manuscript Reviewer, Academic Pediatrics	2010

F. Grants

"National Cooperative Growth Study" Post-Marketing Surveillance Study and Grant, 10/98 to 3/01; 8/01 to 7/02; 10/02 till present

National Cooperative Growth Study Investigator's Meeting, Participant, Chicago, Illinois October 17 - 20, 2002

"Kabi International Growth Study" Post-Marketing Surveillance Study and Grant, 2/99 to 7/02; 10/02 till present

Kabi International Growth Study Investigator's Meeting, Participant, Orange County, California, December 3-4, 1998

Kabi International Growth Study Investigator's Meeting, Participant, Ft. Myers, Florida December 9 -10, 1999

Kabi International Growth Study Investigator's Meeting, Participant, Phoenix, Arizona November 9 -11, 2000

Kabi International Growth Study Investigator's Meeting, Participant, October 4th-7th, 2000 Monte Carlo, Monaco

Kabi International Growth Study Investigator's Meeting, Participant, San Diego, California January 25 - 27, 2002

Kabi International Growth Study Investigator's Meeting, Participant, Barcelona, Spain April 17 - 18, 2002

Kabi International Growth Study Investigator's Meeting, Participant, Fajardo, Puerto Rico January 23 – 26, 2003

Kabi International Growth Study Investigator's Meeting, Participant, Chicago, Illinois April 1 – 2, 2005

"Novo-Nordisk Growth Hormone Registry" Post-Marketing Surveillance Study and Grant, 2/03-2008

"A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel Study of the Efficacy and Safety of Metformin Hydrochloride for the Treatment of Adolescents with Type II Diabetes Mellitus" Clinical Research Study and Grant 4/99

"A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Parallel Group Study of the Efficacy and Safety of Metformin Hydrochloride Titration for the control of Type II Diabetes Mellitus in Pediatric Subjects on Prior Metformin Therapy", Clinical Research Study and Grant 7/99

Collaborator/Team Member, "Primary Care Residency Training in General Pediatrics: Web-Based Video Evaluations to Assess Resident Competencies", Virginia Niebuhr, Ph.D. Principal Investigator U.S. Department of Health and Human Services, Health Resources and Services Administration, UTMB School of Medicine, Funded July, 2005 – June, 2008.

Co-Investigator, "Primary Care Residency Training in General Pediatrics", Virginia Niebuhr, Ph.D. Project Director, Health Resources and Services Administration (HRSA) (FRS 426180), UTMB grant #D58HP05120, \$589,571 for July 2005-June 2008 (10% salary support)

Participant, Eli Lilly's Turner's Growth Hormone Study, Investigator's Meeting, Charleston, South Carolina, December 7-8, 1998

Committee Responsibilities

A. National/State

Member, Gulf Coast Community Services Association Advisory Board	2004 - 2005
Member, Statewide Obesity Task Force State of Texas, Texas Department of Health & Human Services	2001 - 2003
Member, Statewide Obesity Social Marketing Workgroup State of Texas, Texas Department of Health & Human Services	2003 - 2004
Alternate Board Member, University of Texas, Medical Branch State of Texas Joint Admission Medical Program (JAMP) (a School of Medicine Dean-appointed position)	2003 - 2005
Member, Governor's Advisory Council on Physical Fitness State of Texas	2002 - 2005
State of Texas, CHIP Medical Directors' Committee	2004 - 2005
Advisory Board Member, Ethical, Legal and Social Implications of Genomic Technologies, Community Outreach and Education, MD Anderson Center for Research on Environmental Disease	2002
Member, Association of Pediatric Program Directors Faculty Development Task Force Resident Duty Hours Action Team	2000-2008 2001-2008 2002
Ex-Officio Member, Children's Hospitals and Related Institutions of Texas	2001 - 2004
Alternate Member	2004 - 2007
Member, PPAC Advisory Committee State of Texas, Texas Department of Health Medicaid Program	2001 - 2006
Member, Children with Special Health Care Needs Advisory Board, State of Texas, Texas Department of Health & Human Services	2000 - 2004
Member, Council on Medical Student Education in Pediatrics Faculty Development Workgroup	2000 - 2008 2002 - 2008

Member, C.H.I.P. Regional Advisory Board	
State of Texas, Texas Department of Health	1999 - 2002
Member, Texas Pediatric Society	
Legislation Committee, Texas Pediatric Society	1998 - 2005
	2012- 2016
Executive Committee on Legislation	2002 - 2005
Task Force on Childhood Obesity	2003 - 2005
Obesity Committee	2008 - 2010
School Health/Sports Medicine Committee	2001 - 2003
Continuing Medical Education Committee	2002 - 2005
	2008 - 2011
Chair, Sub-Committee Residents' Electronic Poster Exhibit Program	2004
Community Preceptorship Program Advisory Committee	2003 - 2008
Member, Advisory Board of Physician Consultants	1982 - 2012
Texas Newborn Screening Program, Texas Department of Health	1902 2012
Tomas Trown Servering Program, Temas Department of Trouter	
Member, American Academy of Pediatrics National Committee on	2006 - 2012
Medical Liability and Risk Management	2000 2012
Wedical Elability and Risk Wallagement	
Member, Texas Newborn Screening Performance Measures Program	2008 - 2011
Texas Newborn Screening Program, Texas Department of Health	2000 2011
Texas New John Bereening 110gram, Texas Department of Treatm	
Member Board of Directors, Texas Medical Home Initiative	2009- 2012
Welloci Board of Directors, Texas Wedical Home initiative	2007 2012
Member, Pharmacy and Therapeutics Committee,	2012-
Texas Association on Community Health Plans Consortium	2012
Texas Association on Community Health Flans Consortium	
Member, Advisory Board Center for Children's Health	2012-
Fort Worth, Texas	2012-
Fort Worth, Texas	
Mambar Committee on Madical Education (CME)	2012
Member, Committee on Medical Education (CME)	2012
Cook Children's Health Care System	2014-2016
Fort Worth, Texas	
Marshan Contrate Malical Education (CME) C	2012
Member, Graduate Medical Education (GME) Committee	2012
Medical Education Advisory Committee	2014-2016
Cook Children's Health Care System	
Fort Worth, Texas	
1	2015
Member, Texas Health Steps (THSteps) Advisory Panel	2016-
Austin, Texas	

B. University

Graduate Medical Education Committee (GMEC) GMEC Executive Committee	2002-2008 2002-2008
GMEC Education Subcommittee Co-Chair	2002 - 2004 2004
GMEC Residents' Essential Functions Policy Development Taskforce	2006
UTMB Search Committee, Department of Pediatrics Administrator	2004
President's Core Committee for the Support of Underrepresented Ethnic Groups Chairman	2004 – 2008 2006 - 2007
UTMB Diversity Council	2006 - 2007
UTMB HealthCare Systems – Credentialing Committee Chairman	2004 - 2005 2004 - 2005
UTMB HealthCare Systems – Quality Improvement Committee	2004 - 2005
UTMB HealthCare Systems – Geriatric Quality Improvement Committee	2004 - 2005
UTMB Academy of Master Teachers (AMT) Development Workgroup AMT Peer Review/Mentorship Team AMT Faculty Development Team	2005 2007 - 2008 2007 - 2008
UTMB Faculty Compensation Plan Development Workgroup	2005
UTMB Search Committee, Chair of Ophthalmology	2005
UTMB GMEC Internal review Committee Internal Medicine – Endocrinology Radiation Oncology CardioThoracic Surgery	2006 2007 2007 - 2008
UTMB School of Medicine Faculty Senate	2006 - 2008
C. Departmental	
Committee Chair –	
Graduate Medical Education Committee	2002 - 2008

Undergraduate Medical Education Committee	2002 - 2003
Undergraduate Medical Education Executive Committee	2002 - 2003
Resident Recruitment Committee	2002 - 2008
Obesity Planning Task Force	2002 - 2004
Program Directors Committee	2003 - 2008
Resident Scholarly Projects Sub-Committee	2003 - 2004
Department of Pediatrics Marketing Task Force	2003 - 2004
Academic Fellowship Training Advisory Committee	2003 - 2008
Pediatric Faculty Recruitment Committee	2003 - 2005
Pediatrics Subspecialty Clinics Operations Committee	2003 - 2005
Pediatric Medical Education Council, Department of Pediatrics	1999 - 2002
Jurisprudence Committee	1999 - 2002
Committee Member –	
Pediatric Leadership Executive Group	2002 - 2008
Resident Council	2002 - 2008
Division Directors Committee	2002 - 2008
Faculty Development Committee (ex-Officio)	2002 - 2008
Continuing Medical Education Committee	2003 - 2008
Research Advisory Committee (Ex-Officio)	2003 - 2004
Department of Pediatrics, Quality Management Committee	2003 - 2008
Department of Pediatrics Liaison Committee	2003 - 2005
Department of Pediatrics Hospital Operations Committee	2003 - 2008

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Undergraduate Medical Education Committee	2003 - 2008
Undergraduate Medical Education Executive Committee	2003 - 2008
Resident Scholarly Projects Committee	2003 - 2008
Department of Pediatrics Marketing Task Force	2003 - 2005
Pediatrics Strategic Planning Committee	2005
Curriculum Review & Evaluation Workgroup (CREW)	2006 - 2008
Pediatric Endocrine Division Committee	2006 - 2008
Educational Council, Department of Pediatrics	1999 – 2002
Pediatrics' Subspecialty Committee	1998 - 2002
Scott & White Department of Pediatrics Ad Hoc Future Planning Commit	tee 1999
Scott & White Department of Pediatrics Ad Hoc Phone Committee	1999
Scott & White Department of Pediatrics Resident Council	1999 – 2002
Scott & White Department of Pediatrics CME Committee	1999 – 2002
Scott & White Department of Pediatrics Pediatric Research Oversight Cor Ex-Officio Member	mmittee, 1999 – 2002
D. Medical School/Hospital	
<u>Committee Chair</u> –	
Scott & White Department of Pediatrics GME Recruitment Sub-Committee	
<u>Committee Member</u> –	2000 - 2002
Area Medical Directors Committee	2003 - 2005
Excellence in Pre-Clinical Education Awards Selection Committee	2003 - 2004
Integrated Medical Curriculum Course Directors Committee Emergency Medicine Clerkship Internal review Team	2004 – 2008 2007

Essentials of Endocrinology and Reproduction Planning Committee Course Co-Director	2002 - 2008 2004 - 2008
AOA Glaser Distinguished Teacher Award Selection Committee	2003
U.T.M.B. Medical Student Policy Subcommittee	2003
U.T.M.B. School of Medicine Clinical Skills Assessment Subcommittee	2003 - 2004
GMEC, Scott & White Hospital	1999 - 2002
Ethics Committee, Scott & White Hospital	1999 - 2001
TAMU Medical Students' Promotions Committee, Texas A&M College of Medicine	1999 - 2002
TAMU Becoming a Clinician Curriculum Sub-Committee, Texas A&M College of Medicine	2001 - 2002
Texas A&M AOA Committee Texas A&M College of Medicine	2001 - 2002
Texas A&M Health Sciences Center Faculty Senate, Texas A&M University	2002 - 2002
University of Texas Health Science Center, Admissions Committee Southwestern Medical School - Dallas, Texas	1993 - 1995
Member, Residency Advisory Committee Texas Department of State Health Service's Preventive and Public Health Residency Program Austin, Texas	2011 - 2012
Cook Children's Health Care System Patient Safety Committee	2012 –
Cook Children's Health Care System Continuing Medical Education Committee	2012 -
Cook Children's Health Care System Graduate Medical Education Advisory Committee	2013 –
Cook Children's Health Care System, Cook Children's Physician Network Clinical Excellence Committee	2012-

Faculty Advisor -

Cultural Competency Sub-Committee, Texas A&M Curriculum Committee 2001

E. Other

Member, Child and Maternal Health Committee, Children's Campaign for the Decade expert contributor Texans Care for Children	2003 - 2005
Member, Board of Directors Texas Health Care Network (a 501a Corp)	1997 - 1998
Member, Board of Directors Camp Sweeney for Diabetic Children and Adolescents Southwestern Diabetes Foundation	1994 - 1997 1997 - 2009
Member, Physicians Advisory Board MediJect Needle Free Transjector Corporation	1994 - 1999
Member, Advisory Board, Juvenile Diabetes Foundation	1993 - 1998
Member, Dallas Pediatric Society President	1990 - 1998 1992 - 1993
Member, Board of Directors, American Diabetes Association, Dallas Chapter Dallas-Fort Worth Chapter	1990 - 1991 2014- 2015
Member, Board of Directors, Juvenile Diabetes Foundation, Dallas Chapter	1990 - 1993
Member, Tarrant County Community Advisory Committee, Texas Youth Council	1984 - 1987
Member, Forth Worth Genetics Advisory Committee	1983 - 1987
Member, Medical Advisory Committee, Southwestern Diabetes Foundation Camp Sweeney for Diabetic Children and Adolescents Chairman, Medical Advisory Committee	on 1983 - 2002 1994 - 1997
Member, Board of Directors, Texas Pediatric Society Foundation Vice-Chair Chair	2006 - 2015 2010 - 2012 2012 - 2014

Teaching Responsibilities University

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Vice-Chair for Medical Education, Department of Pediatrics	2002 – 2008
Director, Pediatrics Resident Training Program, Department of Pediatrics	2002 – 2008
Associate Director, Pediatrics Clerkship, UTMB, Galveston	2002 – 2008
Director, Pediatric Endocrinology, Fellowship Training Program, Department of Pediatrics	2002 – 2008
Director, Pediatrics-Dermatology Combined Resident Training Program, Department of Pediatrics	2004 – 2008

Membership in Scientific Societies

American Academy of Pediatrics

- AAP Representative, National Association of Pediatric Nurse Practitioners Annual Conference Dallas, Texas March 2004
- Member, National Committee on Medical Liability and Risk Management 2006 2012
- Member, Steering Committee on Quality Improvement and Management Patient Safety Workgroup 2011- 2014
- Member, American Academy of Pediatrics Executive Committee Section of Pediatric Endocrinology, 2014-

Texas Pediatric Society

- Legislation Committee (1998-2005)
- Legislation Executive Committee (2002-2004)
- Children's Insurance Sub-Committee (2004)
- Child Advocacy Sub-Committee (Chair 2000-2001)
- School Health/School Sports Committee (2002-2004)
- Medical Education Committee (2002-2005; 2008-)
- Childhood Obesity Task Force (2003-2005)
- Committee on Childhood Obesity (2008- 2010)
- Community Preceptorship Program (2003- 2008)
- Resident Electronic Poster Program Subcommittee (Chair 2003-2004)
- Constitution and Bylaws Committee (2006 2009)

Texas Medical Association

- Council on Legislation Alternate

Lawson-Wilkins Pediatric Endocrine Society

American Medical Association

National Health Lawyers Association

- Committee on Legal Education

Association of Pediatric Program Directors

- Faculty Development Task Force (2001 – 20008)

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- Resident Duty Hours Action Team (2002)
- Professional Growth Ad Hoc Committee (2007 2008)

Council on Medical Student Education in Pediatrics

- Faculty Development Task Force (2000 – 2008)

Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas American College of Physician Executives

- Medical Education task Force (2009- present)

Texas Medical Foundation

- Member, Board of Directors (2006 – 2008)

Board Certification

I icensure Information	
State Bar of Texas	1998
Board Certified - American Board of Pediatrics Sub-Board Pediatric Endocrinology and Diabetes	1983
Board Certified - American Board of Pediatrics	1981

Licensure Information

Texas License # F4846 1980 -

Honors

AOA Medical School Honor Society Daeschner Professorship in Pediatrics (inaugural recipient 2004) Faculty Advisor, Forssman Osler Student Society 2006

Additional Information

A. Volunteer Camp Physician –

Camp Sweeney for Diabetic Children and Adolescents	1983 - 2007
Camp Bluebonnet for Diabetic Children	2002

B. Professional Development

"Professionalism in Medicine", February 22, 1999, Salado, Texas,

4.5 Hours, Category 1

"HCFA Medicare/Medicaid Training", January 29, 1999, Temple, Texas,

3 Hours, Category 1

"Medline for the Practitioner", November 20, 1998, Temple, Texas 8 Hours, Category 1

"Ethics in Legal Practice", October 3, 1998, Austin Convention Center, Austin, Texas, 4 Hours, Category CLE

"Physician Behavior that leads to Malpractice Claims", October 19, 1998, Temple, Texas 1.5 Hours, Category 1

"Principles of Medical Ethics: Avoiding Malpractice and Acting with Integrity", May 17, 1999, Temple, Texas

3 Hours, Category 1

"Communication Skills for Physicians and Other Health Care Professionals", September 2nd, 1999, Atlanta, Georgia

6 Hours, Category CEU

"History of Bioethics", September 20th, 1999, Salado, Texas 5.5 Hours, Category 1

"Ethics Consultation Workshop", September 22nd, 1999, Scott & White Hospital, Temple, Texas

"Association of Pediatric Program Directors Workshop", October 2nd, 1999, Tyson's Corner, Virginia

"Research in Education", December 6th, 1999, Scott & White Conference Center, Temple, Texas

"O.S.C.E. Workshop", December 8th, 1999, Scott & White Inn, Temple, Texas

"Faculty Development Workshops", January 21st, 2000; February 18th, 2000, Scott & White Conference Center, Temple, Texas

"Health Care Professional Training Seminar: Adolescent Sex Education", February 24th, 2000 Scott & White Conference Center, Temple, Texas 3 Hours, Category 1

"Mastering the Accreditation Process", Accreditation Council for Graduate Medical Education, March 2nd-3rd, 2000 Chicago, Illinois

9.5 Hours, Category 1

"Literature in Medicine: Narrative Ethics", March 6th, 2000, Salado, Texas 5 Hours, Category 1

"Faculty Development Workshop", September 8th-10th, 2000 Pasadena, California 16.5 Hours, Category 1

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"Pediatric Issues Legislative Training Workshop" at the Texas Pediatric Society Annual Meeting, September 12th, 2000, Dallas, Texas

4 Hours, Category 1

"Faculty Development Workshop", September 29th-30th, 2000, San Antonio Texas **7 Hours, Category 1**

"Faculty Development Workshop", October 20th-22nd, 2000 Pasadena, California **16.5 Hours, Category 1**

"Personal versus Professional Values in Medicine", November 13th, 2000 Salado, Texas **5 Hours, Category 1**

"Faculty Development Workshop", November 30th- December 3rd, 2000, Pasadena, California

16.5 Hours, Category 1

"Evidence-Based Medicine Workshop", January 11th-12th, 2001, Temple, Texas **5 Hours, Category 1**

"Faculty Development Workshop", February 9th-11th, 2001 Pasadena, California **16.5 Hours, Category 1**

"Memorable Patients: A Storytelling Workshop", February 26^{th} , 2001, Salado, Texas **3 Hours, Category 1**

"Leading the Clerkship in Pediatrics". COMSEP Annual Meeting, March 9th-13th, 2001 San Diego, California

6 Hours, Category 1

"Faculty Development Workshop", March 30th- April 1st, 2001 Pasadena, California **16.5 Hours, Category 1**

"Faculty Development Workshop", April 6th–7th, 2001, Austin, Texas **7 Hours, Category 1**

"Advances in Medical Education", May 11th— May 13th, 2001 Pasadena, California **8 Hours, Category 1**

"History of Medical Education", May 14th, 2001 Salado, Texas

4 Hours, Category 1

"Competencies Evaluation Workshop" May 25th, 2001, Temple, Texas **4 Hours, Category 1**

"Faculty Development Workshop", September 7th-9th, 2001 Los Angeles, California **16 Hours, Category 1**

"Faculty Development Workshop", October 4th-7th, 2001 Los Angeles, California **16.5 Hours, Category 1**

"Bioethics Lectureship", October 29th, 2001, Temple, Texas, **1 Hour, Category 1**

"Faculty Development Workshop", November $30^{\rm th}$ - December $2^{\rm nd},\,2001$ Los Angeles, California

16.5 Hours, Category 1

"Faculty Development Workshop", January $31^{\rm st}$ - February $3^{\rm rd},\,2002,\,$ Los Angeles, California

16.5 Hours, Category 1

"Building A Successful Program" A.C.G.M.E. February 28th – March 1st, 2002 Chicago, Illinois

11 Hours, Category 1

"Teaching Cultural Diversity & Cultural Sensitive Care" COMSEP March 14th – 16th, 2002, Nashville, Tennessee

12 Hours, Category I

"Faculty Development Workshop", March $21^{st} - 24^{th}$, 2002 Los Angeles, California **16.5 Hours, Category 1**

"New Approaches in Medical Education", May $9^{th} - 11^{th}$, 2002 Los Angeles, California **14.5 Hours, Category 1**

"Ethics Journal Club", U.T.M.B. Office of Educational Development September 12th, 2002, November 14th, 2002; Galveston, Texas,

"Project Professionalism: An Evolution", September 30th, 2002, Salado, Texas **4 Hours, Category 1**

"Texas Pediatric Society Annual Meeting" Plenary Session, September 27th-29th, 2002, Fort Worth, Texas

4 Hours, Category 1

"Web-Based Case Authoring Workshop", Galveston, Texas, November 4th, 2002

"Finance in Health Care Organizations", Naples, Florida, December 2nd, 2002

7 Hours, Category 1

"Marketing and Strategic Planning in Health care", Naples, Florida, December 3rd, 2002 **7 Hours, Category 1**

"Ethics Journal Club", U.T.M.B. Office of Educational Development September 12th, 2002, November 14th, 2002; Galveston, Texas,

"Project Professionalism: An Evolution", September 30th, 2002, Salado, Texas **4 Hours, Category 1**

"Texas Pediatric Society Annual Meeting" Plenary Session, September 27th-29th, 2002, Fort Worth, Texas

4 Hours, Category 1

"Finance in Health Care Organizations", Naples, Florida, December 2nd, 2002 **7 Hours, Category 1**

"Marketing and Strategic Planning in Health care", Naples, Florida, December 3rd, 2002 **7 Hours, Category 1**

"Toward Evidence-Based Screening Guidelines for Diabetes Mellitus", Galveston, Texas, February $4^{\rm th}$, 2003

1 Hour, Category 1

"Curriculum Vitae Workshop", Galveston, Texas, February 5th, 2003 "Integrating Information Technology into a Teaching Practice", Galveston, Texas, February 8th, 2003;

4 Hours, Category 1

"Promoting Healthy Weight", Texas Department of Health, San Antonio, Texas, February 13th-15th, 2003

8 Hours, Category 1

"Innovations in Medical Education: Transforming Health Profession Education through Innovation", Los Angeles, California, February 28th- March 2nd, 2003

14 Hours, Category 1

"ACGME: Initiatives in Graduate Medical Education", Chicago, Illinois, March 6^{th} - 7^{th} , 2003

11 Hours, Category 1

"COMSEP: Achieving Excellence while Maintaining Balance", Broomfield, Colorado April 3rd- 6th, 2003

16 Hours, Category 1

"Association of Pediatric Program Directors", Seattle, Washington May 1st- 4th, 2003

"New Advances in Bone Health", Seattle, Washington May 3rd, 2003

2 Hours, Category 1

"Management of Growth Hormone Therapy in Children Born Small for Gestational Age" Seattle, Washington, May 4th, 2003

2 Hours, Category 1

"Lawson-Wilkins Pediatric Endocrine Society at the Pediatric Academic Societies Annual Meeting", Seattle, Washington, May 3rd- 6th, 2003

16.5 Hours, Category 1

"Humanities and Medicine Consultation: Ethical Issues in Cloning", Salado, Texas, May 19th, 2003

2.5 Hours, Category 1

"Gut Hormones in the Treatment of Diabetes", Galveston, Texas May 20th, 2003 **1 Hour, Category 1**

"Annual Pediatric Review and Update", Galveston, Texas, June 12th-13th, 2003 **5 Hour, Category 1**

"Type II Diabetes as a Family Affair", Galveston, Texas, July 1st, 2003 **1 Hour, Category 1**

"Influence in Health Care Organizations", Chicago, Illinois, July 25th, 2003 **5.5 Hour, Category 1**

"Negotiations in Health Care Organizations", Chicago, Illinois, July 25th, 2003 **7 Hour, Category 1**

"Texas Pediatric Society Annual Meeting" Plenary Session, October $3^{\rm rd}$ - $4^{\rm th}$, 2003, Galveston, Texas

2.5 Hours, Category 1

"American Academy of Pediatrics Chapters Advocacy Summit", October 17th – 19th, 2003, Tempe, Arizona

"Three Faces of Quality in Health Care", Tucson, Arizona November 17th – 20th, 2003 **24 Hours, Category 1**

"Building Competency to Manage Diversity", Galveston, Texas, January 20th, 2004 **3 Hours, Category 1**

"Scientific Writing for Clinical Research", Galveston, Texas, January 29th, 2004 **1 Hour, Category 1**

"USC Innovations in Medical Education", Pasadena, California, February 28th-29th, 2004 13 Hours, Category 1

"COMSEP: Scholarship of Education", Panama City, Florida, March 5th-8th, 2004 **10.5 Hours, Category 1**

"Managing Physician Performance", Las Vegas, Nevada, April 26th-29th, 2004 **24 Hours, Category 1**

"Lawson-Wilkins Pediatric Endocrine Society Annual Conference", San Francisco, California, April 30th-May 3rd, 2004

11.5 Hours, Category 1

"Evaluating Faculty Professionalism", Galveston, Texas, June 9th, 2004 **2 Hours, Category 1**

"UTMB Annual Review and Update Conference", Galveston, Texas, June 10th-11th, 2004 **0.5 Hours, Category 1**

"Texas Pediatric Society: Legislative Workshop", Austin, Texas July 17th, 2004

"Financial Decision Making", Chicago, Illinois July 19th-22nd, 2004 **24 Hours, Category 1**

"The Contribution of Religion to Bioethics". Salado, Texas September 20th, 2004 **4 Hours, Category 1**

"Charting a Course for Change: Governor's Conference on Children's Obesity in Texas" Dallas, Texas September 22nd, 2004

"Texas Pediatric Society 2004 Annual Meeting and Conference", Dallas, Texas September 9th-12th, 2004

7.5 Hours, Category 1

"Mentoring Workshop" U.T.M.B. Galveston, Texas September 17th, 2004

"Diabetes Clinical Pathways", Dallas, Texas October 1st, 2004

"Pediatric Endocrine Society of Texas, Louisiana and Oklahoma Annual Meeting and Conference", Dallas, Texas October 1st - 2nd, 2004

5.0 Hours, Category 1

NCGS Pediatric Endocrinologists' Investigators Meeting, Phoenix, Arizona October 15th-17th, 2004

Innovations in Medical Education Symposium, The University of Texas System Austin, Texas October 21st-22nd, 2004

"Promotoras de Salud: The Role of the Lay Educator in Community-Based Health Promotion" Stark Diabetes Center Lecture Series, Galveston, Texas November 2nd, 2004

1.0 Hours, Category 1

Annual Austin-Galveston Clerkship Directors Conference, UTMB School of Medicine, Austin, Texas February 11th, 2005

"USC Innovations in Medical Education", Pasadena, California, March 4th-5th, 2005 **3.5 Hours, Category 1**

"A.C.P.E. Medical Management Tutorial", Tampa, Florida, March 6th-10th, 2005 **32 Hours, Category 1**

"Texas Pediatric Society Annual Meeting", Galveston, Texas September 30th, 2005 **3 Hours, Category 1**

"Innovations in Medical Education: Transforming Health Profession Education through Innovation", March $5^{\rm th}$, 2005, Pasadena, California

3.5 Hours, Category 1

"KIGS Annual Investigators' Meeting", April 1st-2nd, 2005, Chicago, Illinois

"COMSEP Annual Meeting: Encountering the Arts in Education", April 8th-10th, 2005, Greensboro, North Carolina

13.25 Hours, Category 1

"2005 Pediatric Academic Societies/Lawson Wilkins Pediatric Endocrine Society Annual Meeting", May 14th-15th, 2005, Washington, District of Columbia

9 Hours, Category 1

"2005 APPD Annual Meeting", May 12^{th} - 13^{th} , 2005, Washington, District of Columbia **15.25 Hours, Category 1**

"UTMB Advanced Facilitator Training Workshop", May 25th, 2005, Galveston, Texas

"Annual Pediatric Review and Update", June 17th, 2005, Galveston, Texas **3.25 Hours, Category 1**

"Texas Pediatric Society Annual Meeting", September 29th-October 2nd, 2005, Galveston, Texas **3 Hours, Category 1**

"UTHSC - Innovations in Medical Education: Professionalism in Medicine", October 6th, 2005, Austin, Texas

"PESTOLA Conference 2005", October 7th-8th, 2005, Austin, Texas **6.5 Hours, Category 1**

"Third Annual World Congress on the Insulin Resistance Syndrome", November 17th-19th, 2005, San Francisco, California

6 Hours, Category 1

"Creativity and Madness Conference", American Institute of Medical Education, February 16th-19th, 2006, Santa Fe, New Mexico

10 Hours, Category 1

University of Miami Alumni Weekend CME Conference, March 2nd-4th, 2006 Miami, Florida

COMSEP: "Technology in Medical Education" March 16th-19th, 2006 Salt Lake City, Utah **13 Hours, Category 1**

55th Annual UTMB Pediatric Review and Update, Galveston, Texas June 1st, 2006 **5.5 Hours, Category 1**

"First International Congress on Therapies against Obesity", May 18th-19th, 2006, Paris, France **20 Hours, Category 1**

AACE Annual Meeting, August 11th-13th, 2006 Galveston, Texas **5 Hours, Category 1**

Texas Pediatric Society Annual Meeting, September 14th-17th, 2006 Dallas, Texas **4.0 Hours, Category 1**

The University of Texas Academy of Health Science Education, 3^{rd} Annual Conference on Innovations in Health Science Education Austin, Texas October 5^{th} - 6^{th} , 2006

Bay Area Pediatric Society, ENT Presentation, November 15th, 2006 Clear Lake, Texas **1 Hour, Category 1**

COMSEP Annual Meeting: Mentoring the Medical Educator March 9th-11th, 2007 San Antonio, Texas **10 Hours, Category 1**

Medicine and Humanities Consultation, Texas A&M College of Medicine, "Current Issues in Advance Directive",

Salado, Texas March 19th, 2007

4 Hours, Category I

LWEPS Annual Meeting/APPD Annual Meeting: Professional Development Across All Levels of Residency Program Leadership" May 2nd-5th, 2007 Toronto, Canada

14 Hours, Category 1

Bay Area Pediatric Society "Pediatric Infectious Disease Potpourri" May 15th, 2007

1 Hour, Category 1

UTMB 56th Annual Pediatric Review and Update June 8th-9th, 2007 Galveston, Texas

6 Hours, Category 1

Texas Pediatric Society Annual Meeting and Conference June 21st - 24th, 2007, San Antonio, Texas

6 Hours, Category 1

Diversity Training Workshop July 25th- 26th, 2007, Galveston, Texas

12 Hours

PESTOLA Annual Conference, San Antonio, Texas September 27th-29th, 2007

Regional Faculty and Educator Development Symposium: "The Challenges of Teaching Health Care Professionals in the 21st Century" Cincinnati, Ohio October 5th-6th, 2007

6.5 Hours, Category I

UTMB Academy of Master Teachers Faculty Development Day Galveston, Texas December 6th, 2007

1.75 Hours, Category I

Innovations in Medical Education: "Transforming Health Professions Education through Innovation"

Pasadena, California March 8th-9th, 2008

8 Hours, Category 1

"Using Medical Education to Address Health Disparities" COMSEP April 2nd – 4th, 2008, Atlanta, Georgia

5.5 Hours, Category I

UTMB 56th Annual Pediatric Review and Update June 6th-7th, 2008 Galveston, Texas

1.75 Hours, Category 1

UTMB 57th Annual Pediatric Review and Update June 19th, 2009 Galveston, Texas

2.0 Hours, Category 1

UT-Southwestern Medical Center/Children's Medical Center, 42nd Annual Haltalin Pediatrics for the Practitioner Conference,

April 9th-10th, 2010, Richardson, Texas

7.0 Hours, Category 1

"Building Bridges: Improving Health through Program Integration" Texas Department of State Health Services June 15th-17th, 2010, Austin, Texas

5.5 Hours, Category 1

Texas Pediatric Society Annual Meeting, November 4th- 7th, 2010, San Antonio, Texas

8.5 Hours, Category 1

Texas Department of State Health Services Grand Rounds,

April 8th, 2010 (Pandemic Flu Preparedness: Lessons Learned)

May 18th, 2010 (Quarantine: Historical and Futuristic Preparedness)

May 18th, 2011 (Cardiovascular Disease: An Equal Opportunity Killer)

April 13th, 2011 (How do you Evaluate the Evidence in Evidence-based Practices?)

October 21st, 2010 (Ethical Dilemmas in Pediatrics)

November 16th, 2011 (Managing Life's Transitions: Evidence-based Practices for Aging Adults) September 18th, 2012 (Healthy Texas Babies: Prevention of Subsequently Preterm Delivery in High Risk OB Patients)

November 16th, 2012 (Integrated Behavioral Health and Primary Care: A Scientifically-Informed Pathway to the Future)

April 10th, 2013 (Advancing Equity in working to Eliminate Racial and Ethnic Disparities in Health)

Austin, Texas

4.5 Hours, Category 1

Texas Pediatric Society Annual Meeting, September 22nd - 25th, 2011, Sugarland, Texas

5.5 Hours, Category 1

3/13/2017

[&]quot;Engaging Health Plans and Providers in Quality Improvement and Implementation Science"

Institute for Child Health Policy Quality Forum, University of Florida College of Medicine February 23rd, 2011, Austin, Texas

3.0 Hours, Category 1

Eleventh Quality Colloquium at Harvard on Patient Safety, Quality Enhancement and Medical Error Reduction.

August 13th - 15th, 2012. Cambridge, Massachusetts.

Texas Pediatric Society Annual Meeting, September 13th - 16th, 2012, Plano, Texas

5.5 Hours, Category 1

"Brave New World of 2014 & Beyond" Health Plan Alliance, Spring Leadership Conference, April 10th- 12th, 2013, Southlake, Texas

"Our Discoveries. Your Health" University of North Texas Health Science Center, Research Appreciation Day April 12th, 2013

American Academy of Pediatrics National Conference and Exhibition, October 26^{th} - 29^{th} , 2013, Orlando, Florida

8.25 Hours, Category 1

"Pediatric Endocrine Society of Texas, Louisiana and Oklahoma Annual Meeting and Conference", Oklahoma City, Oklahoma January 24th – 25th, 2014

9.0 Hours, Category 1

"Healthcare in a Civil Society: "Who is Accountable for your Health?"
University of North Texas Health Sciences Center, Fort Worth, Texas. February 8th, 2014
3.0 Hours, Category 1

"Texas Pediatric Society Annual Meeting", September 18th – 21st, 2014, Dallas, Texas **6.25 Hours, Category 1**

"Pediatric Endocrine Society of Texas, Louisiana and Oklahoma Annual Meeting and Conference", Dallas, Texas January $23^{rd} - 24^{th}$, 2014 **10.0 Hours, Category 1**

"Texas Pediatric Society Annual Meeting", October 1st-4th, 2015, Sugarland, Texas **9.25 Hours, Category 1**

"Leading Innovation in Patient Safety", November $6^{th}-7^{th}$, 2015, Fort Worth, Texas. 3.75 Hours, Category 1

"Leadership in Population Health" at the American Association of Physician Leadership Fall Institute, November 14-15, 2015, Scottsdale, Arizona

14.0 Hours, Category 1

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ZYGMUNT "KAROL" GRYCZYNSKI, PH.D.

Curriculum Vitae

PERSONAL DATA

Texas Christian University
Department of Physics and Astronomy
Fort Worth, Texas 76129

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University of North Texas Health Science Center at Fort Worth Department of Molecular Biology and Immunology 3500 Camp Bowie Boulevard Fort Worth, Texas 76107-2699

Tel: 817-735-5471 FAX: 817-735-2118

Date and Place of Birth: December 10, 1958, Poland

Citizenship: USA, Polish Married; two children

EDUCATION AND TRAINING

1982 M.S. University of Gdansk - Physics

1987 **Ph.D.** University of Gdansk, Institute of Experimental Physics – Spectroscopy

1989 **Postdoctoral** University of Maryland, Medical School, Dept. of Biochemistry and Molecular

Biology - Protein Chemistry.

PROFESSIONAL EXPERIENCE - EMPLOYMENT

1982-1984	Teaching Assistant, Institute of Physics, University of Slupsk
1984-1986	Research Assistant, Institute of Experimental Physics, University of Gdansk
1987-1989	Assistant Professor, Institute of Physics, University of Slupsk
1989-1991	Research Associate, Department of Biological Chemistry, University of Maryland at Baltimore
1991-1999	Research Assistant Professor, Department of Biological Chemistry and Molecular Biology, School of Medicine, University of Maryland at Baltimore
1997-2004	Assistant Director, Center for Fluorescence Spectroscopy, Department of Biological Chemistry and Molecular Biology, University of Maryland at Baltimore
2000-2005	Associate Professor, Department of Biological Chemistry and Molecular Biology, School of Medicine, University of Maryland at Baltimore
2005-	Professor, Department of Molecular Biology and Immunology, University of North Texas, Health Science Center, Fort Worth, Texas.

2005-	Professor, Department of Cellular Biology and Genetics, University of North Texas, Health Science Center, Fort Worth, Texas.
2006-	Director, Center for Commercialization of Fluorescence Technologies, Department of Molecular Biology and Immunology, University of North Texas, Health Science Center, Fort Worth, Texas.
2007-	Adjunct Professor, University of Shimane, Matsue, Japan.
2009-2010	Adjunct Professor, Texas Christian University, Fort Worth, Texas.
2010-	"Tex" Moncrief Jr. Chair, Professor, Department of Physics and Astronomy, Texas Christian University, Fort Worth, Texas.
2014-	Visiting Professor, Department of Physics, University of Strathclyde, Glasgow, UK.

HONORS AND AWARDS

1991-1993	American Heart Association – Fellowship
1997-1998	University of Maryland, Special Research Initiative Award
2011	President's Award for Research Excellence (UNTHSC)
2016	Polish Biophysical Society, Professor Shugar Medal.
2016	Deans' Research Award (TCU)

TEACHING

I have taught undergrad, graduate students, medical students, and postgraduate professionals in the classroom setting and course setting with more than 1000 - hour lectures over the last 30 - year academic career. The subjects include Basic Physics, Spectroscopy, Protein Chemistry, Biochemistry, Fluorescence, Biomedical Imaging, Electrodynamics, and Optics. For last 6 years I am more actively involved in classroom teaching of undergrad students.

University Teaching - Last 15 Years

2014-2015	Physics II (Calculus Based) PHYS 20381
2014-present	Optical Spectroscopy and Fluorescence PHYS 60823
2011-present	Electromagnetic Radiation and Optics PHYS 40663
2009-present	Biomedical Imaging PHYS 30483 and BIOL 30483
2007-present	Cellular Science – UNTHSC-TCOM 9110
2006-present	Cellular and Molecular Fluorescence UNTHSC BMSC 6020 (Course Director, 10 hours)
2006-present	Modern Biomedical Technologies UNTHSC BMSC 5935
2006-present	BMSC 5600
2009-present	BMSC 6301 Principles of Biochemistry (Course Director) (8 hours)
2009-2010	UNTHSC Cellular and Molecular Fluorescence BMSC 5401 (Course Director)
1983-1985	Physics Laboratory I
1985-1989	Physics Course – Basics
1987-1989	Fundamentals of Physics and Spectroscopy of Atoms and Molecules

1995-1997	Protein Ligand Interaction. Molecular Structure and Function in Biochemistry
	(University of Maryland)
1999-2004	Fluorescence and Protein Dynamics. MBIC 701 Molecular Structure and Function in
	Biochemistry (University of Maryland);
1999-2004	Ultrafast Spectroscopy Instrumentation. Basic Operational Principles for Collaborators
	and Users. (University of Maryland)

National and International Courses

1997-2004	Short Course. Principles and Applications of Time-Resolved Fluorescence
	Spectroscopy (Organizer/Instructor). Baltimore, MD. (about 20 hours)
2003	BITC Workshop. Fluorescence Spectroscopy of Ligand Binding. Durham, NH. July
	2003, (Instructor) (10 hours).
2003-present	European Course. Principles and Applications of Time-Resolved Fluorescence
	Spectroscopy (Organizer/Instructor). Berlin, Germany, (10 hours).
2006, 2009	FRET Microscopy Workshop, Keck Center for Cellular Imaging (Instructor),
	University of Virginia, March 2006, (6 hours).
2007, 2009	Short Course on Molecular and Cellular Fluorescence. (Organizer), Fort Worth, TX.
	(about 20 hours).
2007-2010	Annual Course on Principles of Fluorescence Techniques. University of Chicago,
	Chicago, IL. (4 hours).

Academic advising activities (last 10 years):

a. Mentoring/Advising an undergraduate research (project).

Thinh Nguyen - Magnetic Nanoparticles for Biomedical Imaging

Hung Doan - Molecular Orientation in Polymer Films

Dave Thompson – SurfacePlasmons

Hana Jaafari – Fluorescence Dyes

Boby Pendry - Optical Imaging of Brain

b. Major professor – graduate students

Shashank Bahril	2005- 2010. Development of Fluorescence Methods to Study RNA.
Pabak Sarkar	2006- 2011. GFP – Basic Fluorescence and FRET Applications.
Sangram Rout	2009-2013. Nanoparticles/nanoclusters
Rahul Chib	2010-present
Peter Marandos	2010 –2011
Dmytro Shumilov	2010 – 2014
Joseph Kimball	2012 - 2015
Hung Doan	2013-present
Sunil Ajit Shah	2013-present
Zhangatay Nurekeyev	2015-present

c. International graduate students advising (long term visits to the Lab – last 10 years)

- Mr. A. Burnett, March-July 2006, Macquarie University, Sydney, Australia
- Mr. S. Klidgar, Feb-Sept 2007, Aalborg University, Denmark
- Mr. A. Kold, Apr-May 2009, Aalborg University, Denmark
- Mr. T. Sorensen March April 2009, July 2009, University of Copenhagen, Denmark
- Mr. A. Patsenker July –August 2009, University of Kharkov, Ukraine.
- Mr. E. Appicella April-August 2010, CNR Napoli, Italy.
- Marta Kempa June 10 July 25, 2013, Silesian University, Dept. of Physics, Poland.
- Patrycja Kozub June 10 July 25, 2013, Silesian University, Dept. of Physics, Poland.
- Ilkay Bora December 2014 April 2015; University of Copenhagen (Denmark)
- Tomasz Lewandowski June August 2015; University of Gdansk (Poland)
- Bernardina Scafuri October December 2015; University of Salerno (Italy)

d. Post-doctorate associates advising

- Dr. G. Piszczek (1999-2002) presently NIH
- Dr. F. Castelone (1999-2001) presently Bowling Green, OH
- Dr. J. Malicka (2001-2005) presently Alpharma, Maryland
- Dr. E. Holder (2003-2004) presently Belgium
- Dr. J. Lukomska (2003-2005) presently Cosmetic Company, Poland
- Dr. R. Badugu (2002-2005) presently University of Maryland
- Dr. S. Makowiec (2004-2005) presently Technical University Gdansk, Poland
- Dr. W. Grudzinski (2004-2005)- presently University of Marie Curie-Sklodowska, Poland
- Dr. J. Lukasiewicz (spring 2008) University of Montreal, Canada
- Dr. R. Luchowski (2007-2010), University of Marie Curie-Sklodowska, Poland
- Dr. M. Szabelski (2007-2009), University of Gdansk, Poland
- Dr. A. Parracino, March-June 2009. Aalborg University, Denmark
- Dr. R. Fudala 2010-present
- Dr. R. Rich 2011-2015
- Dr. S. Raut 2014 2017
- Dr. S. Requena 2016-present

e. Visiting senior scientists (last 10 years)

- Dr. Ewa Goldys (June-Sept 2006) Macquarie University, Sydney, Australia
- Dr. Tania Shtoyko (June-Aug 2006, 2007, 2008) University of Texas, Taylor
- Dr. Iwona Buskiewicz (autumn 2006, 2007) University of Vermont
- Dr. Piotr Bojarski, (Feb 2007, Jan-Feb 2009) University of Gdansk, Poland
- Dr. Alexander Savitzky (winter 2007) Moscow State University
- Dr. Jeff Ballin (winter 2006, 2007) University of Maryland, MD
- Dr. Teresa Duda, (winter 2007) University of Philadelphia, Pennsylvania.
- Dr. Joerg Enderlein (winter 2006, 2007) University Gettingen, Germany
- Dr. Tino D'Auria (summer 2007, summer 2010)- CNR Napoli, Italy

- Dr. Krystyna Tomsia (Feb-June 2007) Macquarie University, Sydney, Australia
- Dr. Alexander Siniev, (2007, 2008, two weeks), University of Texas, Galveston.
- Dr. Hanna Grajek (Aug-Oct 2007) Warminsko-Mazurski University, Poland
- Dr. Steffan Petersen (autumn 2007, 2009) Aalborg University, Denmark
- Dr. David Jameson (December 2007; 2008) University of Hawaii
- Dr. Eliot Elson (December 2007; 2008) George Washington University
- Dr. Ryszard Grygorczyk, (winter 2007, July 2009, December 2013, December, 2015) University of Montreal, Canada
- Dr. Wieslaw Gruszecki (winter 2008, spring 2009, summer 2010) University of Mari Curie-Sklodowska, Poland
- Dr. Bogdan Smyk (June-Sept 2008) Warminsko-Mazurski University, Poland
- Dr. Zeno Foldes-Papp (spring 2008, Winter 2009, April 2013) Gratz University, Austria
- Dr. Bo Laursen April 2009, University of Copenhagen, Denmark
- Dr. Antonietta Paracino March May 2009, University of Aalborg, Denmark
- Dr. Valeria Trusova (Oct –Dec 2009), University of Kharkov, Ukraine
- Dr. M. Mathi, 2010, (one month), UMDNJ, NJ.
- Dr. Jaetae Seo, Hampton University, Department of Physics. August 10-August 18, 2013
- Dr. Yasuhisa Fujita, University of Shimane, Japan. September 17- September 19, 2013
- Dr. David Birch, University of Strathclyde, Dept. of Physics, Glasgow, UK, February 21 March 12, 2014.
- Dr. Beata Grobelna, 2011, October 2014, Department of Chemistry, University of Gdansk, Poland
- Dr. Alina Dudkowiak, June/July 2014, Institute of Physics, Poznań University of Technology, Poland
- Dr. José Martínez Oyanedel, September 2014; April 2016, Departamento de Bioquímica y Biología Molecular, Universidad de Concepción, Casilla, Chile.
- Dr. Martinez Gomez, Autonomous University of the State of Mexico, Laboratory of Neuroscience, Mexico. January 17- February 21, 2015.
- Dr. Johan Hofkens, Catholic University of Leuven, Dept. of Chemistry. Belgium. February 1, 2015 February 3, 2015.
- Dr. Bartłomiej Cichy, July/August 2015, Department of Nanotechnology, Polish Academy of Science, Wroclaw, Poland.
- Dr. Qiaogiao Ruan, Abbott Diagnostics Division, Chicago, September 17-18, 2015.
- Dr. Zbigniew Darzynkiewicz, September 2015, Department of Biophysics, University of Warsaw, Poland
- Dr. Michael Tuvim, The University of Texas MD Anderson Cancer Center, May 18- May 20, 2016.
- Dr. Micheline Bejjani, American University in Dubai, July 10 July 25, 2016.

SCHOLARLY ACTIVITY

Bibliography

a. **Refereed Publications (**h-index: 46; over 9,000 citations)

Highlights: Ref. 76 published with B. Kobilka – Noble Prize 2012

Ref. 107 published with S. Prusiner – Noble Prize 1997

281. FRET study in oligopeptide-linked donor–acceptor system in PVA matrix. Shah, S., W Mandecki, J Li, **Z Gryczynski**, J Borejdo, I Gryczynski, R Fudala. *Methods and Applications in Fluorescence*. 4, 2016.

- 280. Fluorescence lifetime imaging with time-gated detection of hyaluronidase using a long lifetime azadioxatriangulenium (ADOTA) fluorophore. Chib, R., S. Requena, M. Mummert, Y. M Strzhemechny, I. Gryczynski, J. Borejdo, Z. Gryczynski, R. Fudala. Methods and Applications in Fluorescence. 4, 2016.
- 279. Differences in the spatial distribution of actin in the left and right ventricles of functioning rabbit hearts. Nagwekar, J., D Duggal, R Rich, R Fudala, I Gryczynski, S Raut, **Z Gryczynski**, J Borejdo. Medical Photonics. 2016.
- 278. Spectroscopic differentiation between monomeric and aggregated forms of BODIPY dyes: effect of 1, 1-dichloroethane. M. Castillo, M., S. L. Raut, S. Price, Ilkay Bora, L. P. Jameson, C. Qiu, K. A. Schug, **Z. Gryczynski** and S. V. Dzyuba. *RCA Adv.* 2016, **6**, 68705-8.
- 277. Mechanothermally induced conformational switch of a porphyrin dimer in a polymer film. Doan, H., S. L. Raut, D. Yale, M. Balaz, S. V. Dzyuba and **Z. Gryczynski.** *Chem. Commun.*, 2016, **52**, 9510-9513. **Selected for cover.**
- 276. Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. Requena, S., H. Doan, S. Raut, A. D'Achille, **Z. Gryczynski**, I. Gryczynski, Y. M. Strzhemechny. *Nanotechnology*, 2016, 27, 325704 (6pp).
- 275. Two blinking mechanisms in highly confined AgInS2 and AgInS2/ZnS quantum dots evaluated by single particle spectroscopy. Cichy B, Rich R, Olejniczak A, **Gryczynski Z**, Strek W. *Nanoscale*. 2016 Feb 11;8(7):4151-9. doi: 10.1039/c5nr07992f. PubMed PMID: 26866468.
- 274. Defect-mediated spontaneous emission enhancement of plasmon-coupled CuInS₂ and CuInS₂/ZnS. Rice Q, Raut S, Chib R, Hayes A, **Gryczynski, Z**., Gryczynski I, Kim Y, Tabibi B, and Seo.J. *Optical Matrial Express.* 2016, 6 (2), 566-577.
- 273. Fluorescent biosensor for the detection of hyaluronidase: intensity-based ratiometric sensing and fluorescence lifetime-based sensing using a long lifetime azadioxatriangulenium (ADOTA) fluorophore. Chib R, Mummert M, Bora I, Laursen BW, Shah S, Pendry R, Gryczynski I, Borejdo J, Gryczynski Z, Fudala R.. Anal Bioanal Chem. 2016 Mar 18. PubMed PMID: 26993308.
- 272. Triazine-based BODIPY trimer as a molecular viscometer. Raut, S., J. Kimball, R. Fudala, I. Bora, R. Chib, H. Jaafari, M. Castillo, N. Smith, S. Dzyuba, Z. Gryczynski. 2016. *Physical Chemistry Chemical Physics*. 18, 4535-4540. DOI:10.1039/C5CP07214J
- 271. Photophysical characterization of anticancer drug valrubicin in rHDL nanoparticles and its use as an imaging agent. Shah, S., R Chib, S. Raut, J. Bermudez, N. Sabnis, D. Duggal, J.D. Kimball, A. Lacko, **Z. Gryczynski**, I. Gryczynski. 2016. *J. Photochem. Photobiol. B: Biology* 155, 60-65.
- 270. Effect of quencher, denaturants, temperature and pH on the fluorescent properties of BSA protected gold nanoclusters. (2015) R Chib, S Butler, S Raut, S Shah, J Borejdo, **Z Gryczynski**, I Gryczynski, *J. of Luminescence*, **168**, 62-68.
- 269. MIEN1, a novel interactor of Annexin A2, promotes tumor cell migration by enhancing AnxA2 cell surface expression, Kpetemey, M., S Dasgupta, S Rajendiran, S Das, LD Gibbs, P Shetty, Z. Gryczynski, J. K Vishwanatha, 2015, Molecular Cancer 14 (1), 1
- 268. A Novel Method of Determining the Functional Effects of a Minor Genetic Modification of a Protein. Nagwekar, J., D Duggal, K Midde, R Rich, J Liang, K Kazmierczak, W. Huang, R. Fudala, I. Gryczynski, Z. Gryczynski, D. Szczesna-Cordary, J. Borejdo, 2015, Frontiers in Cardiovascular Medicine 2
- 267. Standard reference for instrument response function in fluorescence lifetime measurements in visible and near infrared. Chib, R., S Shah, **Z Gryczynski**, R Fudala, J Borejdo, B Zelent, M. G Corradini, R. D Ludescher, I. Gryczynski. 2015, *Measurement Science and Technology* 27 (2), 027001
- 266. Effect of quencher, denaturants, temperature and pH on the fluorescent properties of BSA protected gold nanoclusters. Chib, R., S Butler, S Raut, S Shah, J Borejdo, **Z Gryczynski**, I Gryczynski, 2015, *J. of Luminescence*, **168**, 62-68.
- 265. Sandwich type plasmonic platform for MEF using silver fractals. (2015) S. L Raut, R. Rich, T. Shtoyko, I. Bora, B. W Laursen, T. J. Sørensen, J. Borejdo, **Z. Gryczynski**, I. Gryczynski. *Nanoscale*, **7**, 17729-17734
- 264. Methylene Blue Protects Astrocytes against Glucose Oxygen Deprivation by Improving Cellular Respiration. R. Choudhury G, Winters A, Rich RM, Ryou M-G, **Gryczynski Z**, Yuan, F., Yang S-H, Liu, R. (2015) *PLoS ONE* 10(4): e0123096. doi:10.1371/journal.pone.0123096
- 263. Physicochemical properties of potential porphyrin photosensitizers for photodynamic therapy. M. Kempa, P. Kozub, J. Kimball, M. Rojkiewicz, P. Kuś, **Z. Gryczyński**, A. Ratuszna. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 146 (2015) 249–254.
- 262. Steady state and time resolved fluorescence studies of azadioxatriangulenium (ADOTA) fluorophore in silica and PVA thin films. (2015) R Chib, S Raut, S Shah, B Grobelna, I Akopova, R Rich, TJ Sørensen, **Z. Gryczynski**, I. Gryczynski *Dyes and Pigments* 117, 16-23

- 261. BODIPY-BODIPY dyad: assessing the potential as a viscometer for molecular and ionic liquids (2015) JD Kimball, S Raut, LP Jameson, NW Smith, **Z Gryczynski**, SV Dzyuba, *RSC Advances* 5 (25), 19508-19511
- 260. The Spatial Distribution of Actin and Mechanical Cycle of Myosin Are Different in Right and Left Ventricles of Healthy Mouse Hearts. (2014) J Nagwekar, D Duggal, R Rich, S Raut, R Fudala, I Gryczynski, **Z. Gryczynski**, J. Borejdo, *Biochemistry* 53 (48), 7641-7649
- 259. Preparation of Plasmonic Platforms of Silver Wires on Gold Mirrors and Their Application to Surface Enhanced Fluorescence. Shtoyko, T., S. Raut, R. Rich, R. J Sronce, R. Fudala, R. N Mason, I. Akopova, **Z. Gryczynski**, I. Gryczynski. 2014, *Applied Materials and Interfaces*. Vol. 6, 18780–18787
- 258. Fractional Contributions of Defect-Originated Photoluminescence from CuInS 2/ZnS Coreshells for Hybrid White LEDs. Rice, Q., S. Raut, R. Chib, **Z. Gryczynski**, I. Gryczynski, W. Zhang, X. Zhong, M. Abdel-Fattah, B. Tabibi, J. Seo. 2014, *Journal of Nanomaterials*, Vol 2014, Article ID 979875, 7 pages.
- 257. A homodimeric BODIPY rotor as a fluorescent viscosity sensor for membrane-mimicking and cellular environments. Raut, S., J Kimball*, R Fudala, H Doan*, B Maliwal, N Sabnis, A Lacko, I. Gryczynski, S. V. Dzyuba, **Z. Gryczynski**, 2014, *Physical Chemistry Chemical Physics* 16 (48), 27037-27042
- 256. Generating multiple-pulse bursts for enhanced fluorescence detection. (2014) Shumilov D., Rich, R.M., Gryczynski, I., Raut, S., Gryczynski, K., Kimball, J., Doan, H., Sorensen, T. J., Laursen, B., W., Borejdo, J., **Gryczynski, Z.** *Methods Appl Fluoresc.* 2, 024009 (9pp).
- 255. Associated anisotropy decays of ethidium bromide interacting with DNA. R. Chib, S. Raut, Sarika Sabnis, Preeti Singhal, **Z. Gryczynski** and I. Gryczynski. *Methods Appl. Fluoresc.* **2** (2014)
- 254. Evidence of energy transfer from tryptophan to BSA/HAS protected gold nanoclusters. (2014) Raut, S., Chib, R., Butler, S., Borejdo, J., Gryczynski, Z., Gryczynski, I. *Methods Appl. Fluoresc.* 2, 035004 (6pp).
- 253. Resonance energy transfer between fluorescent BSA protected Au nanoclusters and organic fluorophores. Sangram Raut, Ryan Rich, Rafal Fudala, Susan Butler, Rutika Kokate, **Z. Gryczynski**, Rafal Luchowski, Ignacy Gryczynski. *Nanoscale*, 2014,**6**, 385-391.
- 252. Long lived BSA Au clusters as a time gated intensity imaging probe. SL Raut, R Fudala, R Rich, RA Kokate, R Chib, **Z Gryczynski**, I Gryczynski. *Nanoscale*, 2014, **6**, 2594-2597
- 251. Generating multiple-pulse bursts for enhanced fluorescence detection. Dmytro Shumilov, Ryan M Rich, Ignacy Gryczynski, Sangram Raut, Karol Gryczynski, Joe Kimball, Hung Doan, Thomas J Sørensen, Bo W Laursen, Julian Borejdo, Zygmunt Gryczynski. *Methods Appl. Fluoresc.* **2** (2014) 024009, doi:10.1088/2050-6120/2/2/024009
- 250. Multiple-pulse pumping for enhanced fluorescence detection and molecular imaging in tissue. Rich RM, Gryczynski I, Fudala R, Borejdo J, Stankowska DL, Krishnamoorthy RR, Raut S, Maliwal BP, Shumilov D, Doan H, **Gryczynski Z**. (2014) *Methods* 66, 292-298.
- 249. Real-time imaging of exocytotic mucin release and swelling in Calu-3 cells using Acridine Orange. Shumilov D, Popov A, Fudala R, Akopova I, Gryczynski I, Borejdo J, **Gryczynski Z**, Grygorczyk R. (2014) *Methods 66*, 312-324.
- 248. Effect of Ionic Liquids on the Conformation of a Porphyrin-Based Viscometer. L.P. Jameson, J. D. Kimball, Z. Gryczynski, M. Balaz, S. V. Dzyuba. (2013) RSC Adv. 3, 18300-18304.
- 247. Resonance Energy Transfer Between Fluorescent BSA Protected Au Nanoclusters and Organic Fluorophores.Raut S, Rich R, Fudala R, Butler S, Kokate R, **Gryczynski Z**, Luchowski R, Gryczynski I. (2013) *Nanoscale* 6, 385-391
- 246. Seo J-T, Raut S, Abdel-Fattah M, Rice Q, Tabibi B, Rich R, Fudala R, Gryczynski I, **Gryczynski Z**, Kim W-J, Jung S, Hyun R. Time-resolved and temperature-dependent photoluminescence of ternary and quaternary nanocrystals of CulnS2 with ZnS capping and cation exchange. *J. Appl. Phys.* 114, 094310 (2013); doi: 10.1063/1.4820269
- 245. Long-lived bright red emitting azaoxo-triangulenium fluorophores.Maliwal BP, Fudala R, Raut S, Kokate R, Sørensen TJ, Laursen BW, **Gryczynski Z**, Gryczynski I. *PLoS One*. (2013) May 7;8(5):e63043.
- 244. Elimination of autofluorescence in fluorescence correlation spectroscopy using the AzaDiOxaTriAnulenium (ADOTA) fluorophore in combination with time-correlated single-photon counting (TCSPC). (2013) Rich, R.M., Mummert, M., **Gryczynski, Z**., Borejdo, J., Sorensen, T.J., Laursen, B.W., Foldes-Papp, Z., Gryczynski, I., Fudala, R. Anal. Bioanal. Chem. 405, 4887-4894.
- 243. Bruton's Tyrosine Kinase Mediates FcgammaRIIa/Toll-like Receptor-4 Receptor Crosstalk in Human Neutrophils. (2013) Krupa, A., Fudala, R., Florence, J.M., Tucker, T., Allen, T.C., Standiford, T.J., Luchowski, R., Fol, M., Rahman, M., **Gryczynski, Z.**, Gryczynski, I., Kurdowska, A.K. Am. J. Respir. Cell. Mol. Biol. 48, (2), 240-249.
- 242. AzadioxaTriAnulenium: a long fluorescence lifetime fluorophore for large biomolecule binding assay. (2013) Sorensen, T.J., Thyrhaug, E., Szabelski, M., Gryczynski, I., **Gryczynski, Z**., Laursen, B.W. Methods Appl. Fluoresc. 1, 025001(6pp).
- 241. FRET Based Ratio-Metric Sensing of Hyaluronidase in Synthetic Urine as a Biomarker for Bladder and Prostate Cancer. (2013) Chib, R., Raut, S., Fudala, R., Chang, A., Mummert, M., Rich, R., **Gryczynski, Z**., Gryczynski, I. Curr. Pharmac. Biotechn. 14, 470-474.
- 240. Elimination of autofluorescence background from fluorescence tissue images by use of time-gated detection and the AzaDiOxaTriAngulenium (ADOTA) fluorophore. (2013) Rich, R.M., Stankowska, D.L., Maliwal, B.P., Sorensen, T.J.,

- Laursen, B.W., Krishnamoorthy, R.R., **Gryczynski, Z**., Borejdo, J., Gryczynski, I., Fudala, R.. Anal. Bioanal. Chem. 405, 2065-2075.
- 239. Two photon induced luminescence of BSA protected gold clusters. (2013) Raut, S. L., Shumilov, D., Chib, R., Rich, R., **Gryczynski, Z.**, Gryczynski, I.. Chem. Phys. Lett. 561-562, 74-76.
- 238. Polarization properties of fluorescent BSA protected Au25 nanoclusters. (2013) Raut, S., Chib, R., Shumilov, D., Gryczynski, Z., Gryczynski, I.. Nanoscale 5, 3441-3446.
- 237. Polarization and Symmetry of Electronic Transitions in Long Fluorescence Lifetime Triangulenium Dyes. (2013) Thyrhaug, E., Sorensen, T.J., Gryczynski, I., **Gryczynski, Z**., Laursen, B.W. J. Phys. Chem. A 117, 2160-2168.
- 236. Properties of coatings on RFID p-Ckips that support plasmonic fluorescence enhancement in bioassays. (2012) Rich, R., Li, J., Fudala, R., Gryczynski, Z., Gryczynski, I., Mandecki, W. Anal. Bioanal. Chem. 404, 2223-2231.
- 235. Fluorescent polyelectrolyte capped silver nanoclusters: Optimization and spectroscopic evaluation. (2012) Raut, S., Rich, R., Akopova, I., Thyrhaug, E., Shtoyko, T., Shumilov, D., **Gryczynski, Z.**, Gryczynski, I. Chem. Phys. Lett. 549, 72-76.
- 234. Detection of hyaluronidase activity using fluorescein labeled hyaluronic acid and Fluorescence Correlation Spectroscopy. (2012) Rich, R.M., Mummert, M., Foldes-Papp, Z., **Gryczynski, Z**., Borejdo, J., Gryczynski, I., Fudala, R. J. Photoche. Photobiol. B: Biology 116, 7-12.
- 233. Characterization of trafficking of RFP-GRα and EGFP-GRβ steroid receptor translocation in a transformed human trabecular meshwork cell-line. (2012) Dibas A, Jiang M, Clark A.F., Fudala R, Gryczynski I, **Gryczynski Z**, Yorio T. *IVOS*, Article in press. doi:10.1167/iovs.11-8331.
- 232. Fluorescence Detection of MMP-9. II. Ratiometric FRET-Based Sensing With Dually Labeled Specific Peptide. (2012); Fudala R, Rich R, Mukerjee A, Ranjan AP, Vishwanatha JK, Kurdowska AK, **Gryczynski Z**, Borejdo J, Gryczynski I. *Current Pharmaceutical Biotechnology. Accepted*, in press. BSP/CPB/E-Pub/003734
- 231. FRET Enhanced Fluorescent Nanodiamonds. (2012); Fudala R, Rout S, Maliwal BP, Zerda TW, Gryczynski I, Simanek E, Borejdo J, Rich R, Akopova I, **Gryczynski Z**. *Current Pharmaceutical Biotechnology*. Accepted, in press. BSP/CPB/E-Pub/003752
- 230. Spectroscopy of Photosynthetic Pigment-Protein Complex LHCII. (2012) Gruszecki, W.I., Zubik, M., Luchowski, R., Grudzinski, W., **Gryczynski, Z.**, Gryczynski, I. *Acta Phys. Polon*. A 121, 397-400.
- 229. Extending Forster resonance energy transfer measurements beyond 100A using common organic fluorophores: enhanced transfer in the presence of multiple acceptors. (2012) Maliwal, B.P., Raut, S., Fudala, R., D'Auria, S., Marzullo, V.M., Luini, A., Gryczynski, I., **Gryczynski, Z**. *J. Biomed. Optics* 17(1) 011006-1-8.
- 228. Lifetime-based sensing of the hyaluronidase using fluorescein labeled hyaluronic acid. (2012) Fudala R, Mummert ME, **Gryczynski Z**, Rich R, Borejdo J, Gryczynski I. *Journal of Photochemistry and Photobiology B*: Biology 106, 69-73
- 227. Alendronate coated poly-lactic-co-glycolic acid (PLGA) nanoparticles for active targeting of metastatic breast cancer. S. I. Thamake, S. L. Raut, **Z. Gryczynski**, A. P. Ranjan, J. K. Vishwanatha. (2012). *Biomaterials.* Vol. 33 (29), 7164-7173.
- 226. Auto-fluorescence lifetime and light reflectance spectroscopy for breast cancer diagnosis: potential tools for intraoperative margin detection (2012). V. Sharma, S. Shivalingaiah,1 Y. Peng, D. Euhus, **Z. Gryczynski**, and H. Liu. *Biomedical Optics Express.* Vol. 3 (8), 1825-1840.
- 225. Hybrid optical materials of plasmon-coupled CdSe/ZnS coreshells for photonic applications (2012). J. Seo, R. Fudala, W-J Kim, R. Rich, B. Tabibi, H. Cho, **Z. Gryczynski**, I. Gryczynski, and W. Yu. *Optical Materials Express*, Vol. 3 (8), 1026-1039.
- 224. Engineering resonance energy transfer for advanced immunoassays: The case of celiac disease. (2012) D'Auria, S., Apicella, E., Staiano, M., Di Giovanni, S., Ruggiero, G., Rossi, M., Sarkar, P., Luchowski, R., Gryczynski, I., Gryczynski, Z. *Anal. Biochem.* 425, 13-17.
- 223. Imaging exocytosis of ATP-containing vesicles with TIRF microscopy in lung epithelial A549 cells. (2012) Akopova, I., Tatur, S., Grygorczyk, M., Luchowski, R., Gryczynski, I., **Gryczynski, Z**., Borejdo, J., Grygorczyk, R. *Purinergic Signaling* 8:59-70.
- 222. Metal enhanced fluorescence of Me-ADOTA.Cl dye by silver triangular nanoprisms on a gold film. (2012) Folmar, M., Shtoyko, T., Fudala, R., Akopova, I., **Gryczynski, Z.**, Raut, S., Gryczynski, I. *Chem. Phys. Lett.* 531, 126-131.
- 221.Increased Levels of Nuclear Factor kB and Fos-Related Antigen 1 in Lung Tissues From Patients With Acute Respiratory Distress Syndrome (2011) Fudala, R., Allen, T.C., Krupa, A., Cagle, P.T., Nash, S., **Gryczynski, Z.**, Gryczynski, I., Kurdowska, A.K. *Arch. Pathol. Lab. Med.* 135, 647-654.
- 220.Reactive oxygen species-mediated TRPC6 protein activation in vascular myocytes, a mechanism for vasoconstrictor-regulated vascular tone. (2011); Ding Y, Winters A, Ding M, Graham S, Akopova I, Muallem S, Wang Y, Hong JH, Gryczynski Z, Yang SH, Birnbaumer L, Ma R. *Journal of Biological Chemistry*, Sep 9;286(36):31799-809. PMID: 21768109
- 219. Single actomyosin motor interactions in skeletal muscle. (2011); Foldes-Papp Z, Liao SC, Barbieri B, Gryczynski K Jr, Luchowski R, **Gryczynski Z**, Gryczynski I, Borejdo J, You T. *Biochimica et Biophysica Acta*, May;1813(5):858-66. PMID: 21315775

- 218. Silver nanostructure sensing platform for maximum-contrast fluorescence cell imaging. (2011); Lee KM, Neogi A, Basu Neogi P, Kim M, Kim B, Luchowski R, Gryczynski Z, Calander N, Choi TY. *Journal of Biomedical Optics*, May;16(5):056008.
 PMID: 21639576
- 217.Cross-bridge kinetics in myofibrils containing familial hypertrophic cardiomyopathy R58Q mutation in the regulatory light chain of myosin. (2011) Metticolla P., Calander, N., Luchowski, R., Gryczynski, I., Gryczynski, Z., Zhao, J., Szczesna-Cordaev, D., Borejdo, J.: J. *Theor. Biol.* 284, 71-81.
- 216.Increased Levels of Nuclear Factor kB and Fos-Related Antigen 1 in Lung Tissues From Patients With Acute Respiratory Distress Syndrome (2011) Fudala, R., Allen, T.C., Krupa, A., Cagle, P.T., Nash, S., **Gryczynski, Z.**, Gryczynski, I., Kurdowska, A.K. *Arch. Pathol. Lab. Med.* 135, 647-654.
- 215. Surface-Plasmon-Coupled Emission of Rhodamine 110 in a Silica Nanolayer. (2011) Rangelowa-Jankowska, S., Jankowski, D., Grobelna, B., Gryczynski, I., Gryczynski, Z., Bogdanowicz, R., Bojarski, P.: *ChemPhysChem* 12, 2449-2452.
- 214. Fluorescence detection of hyaluronidase. Fudala R, Mummert M, **Gryczynski Z**., Gryczynski I. *J. of Photochem and Photobiol. B: Biology*. 2011, Sep 2;104(3):473-7.
- 213.Reactive Oxygen Species-mediated TRPC6 Protein Activation in Vascular Myocytes, a Mechanism for Vasoconstrictor-regulated Vascular Tone. (2011) Y. Ding, A. Winters, M. Ding, S. Graham, I. Akopova, S. Muallem, Y. Wang, J. Hee Hong, **Z. Gryczynski**, S-H Yang, L. Birnbaumer, and R. Ma. *J. Biol. Chem.*, 286, 36, 31799–31809.
- 212.Fluorescence Detection of MMP-9. I. MMP-9 Selectively Cleaves Lys-Gly-Pro-Arg-Ser-Leu-Gly-Lys Peptide (2011) Fudala, R., Ranjan, A.P., Mukerjee, A., Vishwanatha, J.K., **Gryczynski, Z**., Borejdo, J., Sarkar, P., Gryczynski, I. *Curr. Pharm. Biotechn.* 12, 834-838.
- 211. Single actomyosin motor interactions in skeletal muscle (2011) Foldes-Papp, Z., Liao, S-C. J., Barbieri, B., Gryczynski, K. Jr., Luchowski, R., **Gryczynski, Z.**, Gryczynski, I., Borejdo, J., You, T. *Biochem. et Biophys. Acta* 1813, 858-866.
- 210. Fractal-Like Silver Aggregates Enhance the Brightness and Stability of Single-Molecule Fluorescence (2011) Luchowski, R., Shtoyko, T., Apicella, E., Sarkar, P., Akopova, I., Raut, S., Fudala, R., Borejdo, J., **Gryczynski, Z.**, Gryczynski, I., *Appl. Spectr.* **65**, 174-180.
- 209. Effects of chain length on oligopeptide hydrogelation (2011) Taraban, M.B., Ramachandran, S., Gryczynski, I., **Gryczynski, Z.**, Trewhella, J., Yu, Y.B., *Soft Matter*, **7**, 2624-2631.
- 208. Enhancement of Single-Molecule Fluorescence Signals by Colloidal Silver Nanoparticles in Studies of Protein Translation (2011) Bharill, S., Chen, C., Stvens, B., Kaur, J., Smilansky, Z., Mandecki, W., Gryczynski, I., **Gryczynski, Z.**, Cooperman, B.S., Goldman, Y.E., *ACS NANO*, **5**, 399-407.
- 207. Evidence for Pre-and Post-Power Stroke of Cross-Bridges of Contracting Skeletal Myofibrils. (2011) Midde K., Luchowski, R., Das, H.K., Fedoric, J., Dumka, V., Gryczynski, I., **Gryczynski, Z**., Borejdo, J., *Biophys. J.* 100, 1024-1033.
- 206. Investigation of the molecular mechanism of the blue-light-specific excitation energy quenching in the plant antenna complex LHCII (2011) Gruszecki, W. I., Zubik, M., Luchowski, R., Grudzinski, W., Gospodarek, M., Szurkowski, J., **Gryczynski, Z.**, Gryczynski, I., J. Plant. Physiol. 168, 409-414.
- 205. Fluorescent properties of antioxidant cysteine ABZ analogue (2011) Raut, S., Heck, A., Vishwanatha, J. K., Sarkar, P., Mody, A., Luchowski, R., **Gryczynski, Z**., Gryczynski, I. J. Photochem, Photobiol, B: Biology, 102, 241-245.
- 204. Surface functionalization of PLGA nanoparticles by non-covalent interaction of a homo-bifunctional spacer for active targeting in cancer therapy. (2010) Thamake, S., S. Rout, A. P. Ranjan, **Z. Gryczynski**, and J. K. Vishwanatha. Nanotechnology, 22,
- 203 Plasmonic platforms of selfassembled silver nanostructures in application to fluorescence (2010) Luchowski, R., N. Calander, T. Shtoyko, E. Apicella, J. Borejdo, **Z. Gryczynski**, I. Gryczynski, J. Nanophotonics, Vol. 4, 043516, 1-17.
- 202. Enhanced single-molecule detection on plasmonic nanostructures (2010) R. Luchowski, I. Gryczynski, J. Borejdo, and Z. Gryczynski, SPIE Newsroom.
- 201. Spectroscopic properties of curcumin: orientation of transition moments. Mukerjee A, Sørensen TJ, Ranjan AP, Raut S, Gryczynski I, Vishwanatha JK, Gryczynski Z. J Phys Chem B. 2010 Oct 7;114(39):12679-84.
- 200. Forster Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment (2010) Trusova, V. M., G. P. Gorbenko, P. Sarkar, R. Luchowski, I. Akopova, L. D. Patsenker, O. Klochko, A. L. Tatarets, Y. O. Kudriavtseva, E. A. Terpetschnig, I. Gryczynski, and **Z. Gryczynski**. *J. Phys. Chem. B*, **114**, 16773–16782
- 199. Studies on solvatochromic properties of aminophenylstyryl-quinolinum dye, LDS798, and its application in studying submicron lipid based structure (2010) Sarkar, P., R. Luchowski, S. Raut, N. Sabnis, A. Remaley, A. G. Lacko, S. Thamake, **Z. Gryczynski**, I. Gryczynski. *Biophys. Chem.* **153**, 61–69
- Photophysical properties of novel fluorescein derivative and its applications for time-resolved fluorescence spectroscopy (2010) M. Szabelski, Z. Gryczynski, I. Gryczynski. Chem. Phys. Let. 493, 399–403.

- 197. Morphological changes of supported lipid bilayers induced by lysozyme: Planar domain formation vs. multilayer stacking. (2010). Trusova V. M., G. P. Gorbenko, I. Akopova, J. G. Molotkovsky, I. Gryczynski, J. Borejdo, Z. Gryczynski. Colloids and Surfaces B: Biointerfaces 80, 219–226
- 196. Self-quenching of uranine: Instrument response function for color sensitive photo-detectors, Luchowski, R., Sabnis, S., Szabelski, M., Sarkar, P., Raut, S., **Gryczynski, Z**., Borejdo, J., Bojarski, P., Gryczynski, I., (2010) *J. Luminescence*, 130, 2446-24-51.
- 195. Investigation on the molecular mechanism of the blue-light-specific excitation energy quenching in plant antenna complex LHCII, Gruszecki, W.I., Zubik, M., Luchowski, R., Grudzinski, W., Gospodarek, M., Szurkowski, J., **Gryczynski, Z.**, Gryczynski, I., *J. Plant Phys.* In press
- 194. Fluorescence instrument response standards in two-photon time-resolved spectroscopy, Luchowski, R., Szabelski, M., Sarkar, P., Apicella, E., Midde, K., Raut, S., Borejdo, J., Gryczynski, Z., Gryczynski, I., Appl. Spectr. 2010, 47(33) 6257-6265
- 193. Photoprotective role of the xanthophyll cycle studied by means of modeling of xanthophyll-LHCII interactions, Gruszecki, W.I., Zubik, M., Luchowski, R. Janik. E., Grudzinski, W., Gospodarek, M., Goc, J., Fiedor, L., **Gryczynski, Z.**, Gryczynski, I., (2010) *Chem. Phys.* 373(1-2) 122-128
- 192. Canonical transient receptor potential 6 (TRPC6), a redox-regulated cation channel, Graham, S., Ding, M., Ding, Y., Sours-Brothers, S., Luchowski, R., **Gryczynski, Z**., Yorio, T., Ma, H., Ma, R., (2010) *J. Biol. Chem.* 285(30) 23464-23474
- 191. Molecular fluorescence enhancement on fractal-like structures, Luchowski, R., Shtoyko, T., Matveeva, E., Sarkar, P., Borejdo, J., **Gryczynski, Z.**, Gryczynski, I., (2010) *Appl. Spectr.* 64(6) 578-583
- 190. Observing Cycling of a Few Cross-Bridges During Isometric Contraction of Skeletal Muscle, Mettikolla, P., Calander, N., Luchowski, R., Gryczynski, I., **Gryczynski, Z**., Borejdo, J. (2010) *Cytoskeleton* 67(6) 400-411
- 189. Signal Transducer and Activator of Transcription 6 (STAT6) Is a Novel Interactor of Annexin A2 in Prostate Cancer Cells. S. Das, P. Shetty, M. Valapala, S. Dasgupta, **Z. Gryczynski** and J. K. Vishwanatha, *Biochemistry*, 2010, 49 (10), pp 2216–2226
- 188. Kinetics of a single cross-bridge in familial hypertrophic cardiomyopathy heart muscle measured by reverse Kretschmann fluorescence (2010) Metticolla, P., Calander, N., Luchowski, R., Gryczynski, I., **Gryczynski, Z**., Borejdo, J., *J. Biomed. Opt.* 15 (1), 017011-1-9.
- 187. Single molecule kinetics in the familial hypertrophic cardiomyopathy D166V mutant mouse heart (2010) Muthu, P., Metticolla, P., Calander, N., Luchowski, R., Gryczynski, I., **Gryczynski, Z**., Szczesna-Cordary, D., Borejdo, J., *J. Mol. Cell Cardio.* 48, 989-998.
- 186. Polarized Fluorescent Nanoparticles (2010) Luchowski, R., **Gryczynski, Z**., Foldes-Papp, Z., Chang, A., Borejdo, J., Sarkar, P., Gryczynski, I. *Optics Express* 18, 4289-4299.
- 185. Enhanced Fluorescence of Curcumin on Plasmonic Platforms (2010) Mukerjee, A., Luchowski, R., Ranjan, A., Raut, S., Vishwanatha, J.K., **Gryczynski, Z**., Gryczynski, I. *Current Pharmaceutical Biotechnology* 11, 223-228.
- 184. Ratiometric FRET-based detection of DNA and micro-RNA on the surface using TIRF detection. (2010) Matveeva, E.G., **Gryczynski, Z**., Stewart, D.R., Gryczynski, I. J. *Luminescence* 130, 698-702.
- 183. Photophysical properties of a new DyeLight 594 dye. (2010) Sarkar, P., Sridharan, S., Luchowski, R., Desai, S., Dworecki, B., Nlend, M., **Gryczynski, Z.**, Gryczynski, I. *J. Photochem. Photobiol. B: Biology* 98, 35-39.
- 182. Single Molecule Immunoassay on Plasmonic Platforms. (2010) Luchowski, R., Matveeva, Stoyko, T., Sarkar, P., Patsnaker, L.D., Klochko, O.P., Terpetschnig, E.A., Borejdo, J., Akopova, I., **Gryczynski, Z**., Gryczynski, I. *Curr. Pharm. Biotechn.* 11, 96-102.
- 181. Blue-light-controlled photoprotection in plants at the level of the photosynthetic antenna complex LHCII. (2010) Gruszecki, W.I., Luchowski, R., Zubik, M., Grudzinski, W., Janik, E., Gospodarek, M., Goc, J., **Gryczynski, Z**., Gryczynski, I., *J. Plant. Physiol.* 167, 69-73.
- 180. Nanostructured Silver-Based Surfaces: New Emergent Methodologies for an Easy Detection of Analytes. (2009) Staiano, M., Matveeva, E.G., Rossi, M., Crascenzo, R., **Gryczynski, Z**., Gryczynski, I., Iozzino, L., Akopova, I., D'Auria, S. Applied Materials & Interfaces 1 (12), 2909-2916.
- 179. Anti-Chemokine Autoantibody: Chemokine Immune Complexes Activate Endothelial Cells via IgG Receptors. (2009) Krupa, A., Fudala, R., Stankowska, D., Loyd, T., Allen, T.C., Matthay, M.A., **Gryczynski, Z**., Gryczynski, I., Metticolla, Y.V., Kurdowska, A., *Am. J. Respir. Cell. Mol. Biol.* 41, 155-169.
- 178. Collisional quenching of erythrosine B as a potential reference dye for impulse response function evaluation. Szabelski M, Ilijev D, Sarkar P, Luchowski R, **Gryczynski Z**, Kapusta P, Erdmann R, Gryczynski I. *Appl Spectrosc.* 2009 Mar;63(3):363-8.
- 177. Steady-state and time-resolved fluorescence studies of stripped Borage oil. Smyk, B., Amarowicz, R., Szabelski, M., Gryczynski, I., **Gryczynski, Z.** *Anal. Chim. Acta.* 2009, 646, 85-9.

- 176. Molecular organization of antifungal antibiotic amphotericin B in lipid monolayers studied by means of Fluorescence Lifetime Imaging Microscopy. Gruszecki, W.I., Luchowski, R., Gagos, M., Arczewska, M., Sarkar, P., Herec, M., Mysliwa-Kurdziel, B., Strzalka, K., Gryczynski, I., **Gryczynski, Z**. *Biophys. Chem.* 2009, 143, 95-101.
- 175. A molecular dynamics model of the Bt toxin Cyt1A and its validation by resonance energy transfer. Li, X., Nevels, K.J., **Gryczynski, Z**., Gryczynski, I., Pusztai-Carey, M., Xie, D., Butko, P. *Biophys. Chem.* 2009, 144, 53-61.
- 174. Supramolecular Organization of the Main Photosynthetic Antenna Complex LHCII: A Monomolecular Layer Study.Gruszecki, W.I., Janik, E., Luchowski, R., Kernen, P., Grudzinski, W., Gryczynski, I., **Gryczynski, Z**. *Langmuir* 2009, 25, 9384-9391.
- 173. Ratiometric FRET-based detection of DNA and micro-RNA in solution Matveeva, E.G., **Gryczynski, Z**., Stewart, D.R., Gryczynski I. *J. Luminesc.* 2009, 129, 1281-1285.
- 172. Instrument response standard in time-resolved fluorescence. Luchowski, M., **Gryczynski, Z.**, Sarkar, P., Borejdo, J., Szabelski, M., Kapusta, P., Gryczynski, I. *Rev. Sci. Instrum.* 2009, 80, 033109-1-6.
- 171. Photophysical properties of Cerulean and Venus fluorescent proteins. Sarkar, P., Koushik, S.V., Vogel, S.S., Gryczynski, I., **Gryczynski**, **Z**. *J. of Biomed. Optics* 2009, 14 (3), 034047-1-9.
- 170. Forster resonance energy transfer (FRET)-based picosecond lifetime reference for instrument response evaluation. Luchowski, R., Kapusta, P., Szabelski, M., Sarkar, P., Borejdo, J., **Gryczynski, Z**., Gryczynski, I. *Meas. Sci. Technol.* 2009, 20, 095601-7.
- 169. Evaluation of instrument response functions for lifetime imaging detectors using quenched Rose Bengal solutions. Szabelski M., Luchowski R., **Gryczynski Z**., Kapusta P., Ortmann U., Gryczynski I. *Chem. Phys. Lett.* 2009 March 471(1-3): 153-159
- 168. Fluorescence Lifetime of Actin in the Familial Hypertrophic Cardiomyopathy Transgenic Heart (dagger). Mettikolla P, Luchowski R, Gryczynski I, **Gryczynski Z,** Szczesna-Cordary D, Borejdo J. *Biochemistry*. 2009 Jan 21
- 167. Phosphate Assisted Proton Transfer in Water and Sugar Glasses: A Study Using Fluorescence of Pyrene-1-carboxylate and IR Spectroscopy. Zelent B, Vanderkooi JM, Nucci NV, Gryczynski I, **Gryczynski Z.** *J. Fluoresc.* 2009 Jan;19(1):21-31.
- 166. Atrial natriuretic factor receptor guanylate cyclase signaling: new ATP-regulated transduction motif. Duda T, Bharill S, Wojtas I, Yadav P, Gryczynski I, **Gryczynski Z**, Sharma RK. *Mol Cell Biochem*. 2009 Apr; 324(1-2):39-53. Epub 2009 Jan 10.
- 165. Depolarized light scattering from colloidal gold nanoparticles. Drozdowicz-Tomsia, K., Xie, F., Calander, N., Gryczynski, I., **Gryczynski**, **Z**., Goldys, E.M. *Chem. Phys. Lett.* 2009, 468, 69-74.
- 164. Near-infrared squarine dyes for fluorescence enhanced surface assay. Matveeva, E.G., Terpetschnig, E.A., Stevens, M., Patsenker, L., Kolosova, O.S., **Gryczynski, Z**., Gryczynski, I. *Dyes and Pigments* 2009, 80, 41-46.
- 163. Fluorescence polarization standard for near infrared spectroscopy and microscopy. Luchowski RJ, Sarkar P, Bharill S, Laczko G, Borejdo J, **Gryczynski Z**, Gryczynski I. *Applied Optics* 2008 Nov 20;47(33):6257-65.
- 162. Muthu, P; Talent, JM; Gryczynski, I; Borejdo, J Cross-bridge duty cycle in isometric contraction of skeletal myofibrils. *Biochemistry* 2008, 47 (20): 5657-5667 MAY 20.
- 161. Single Molecule Studies of Multiple-Fluorophore Labeled Antibodies. Effect of Homo-FRET on the Number of Photons Avaliable Before Photobleaching. Luchowski, R., Matveeva, E.G., Gryczynski, I., Terpetschnig, E.A., Patsenker, L., Laczko, G., Borejdo, J., **Gryczynski, Z.** *Curr. Pharmaceut. Biotechn.* 2008, 9, 411-420.
- 160. Observation of Erythrocyte Dynamics in the Retinal Capillaries and Choriocapillaris Using ICG-Loaded Erythrocyte Ghost Cells. R. Flower, E. Peiretti, M. Magnani, L. Rossi, S. Serafini, **Z. Gryczynski**, and I. Gryczynski. *IOVS*, 2008, **49** (12), 5510-5516.
- 159. Metal enhanced fluorescence on silicon wafer substrates. Gryczynski, I., Metveeva, E.G., Sarkar, P., Bharill, S., Borejdo, J., Mandecki, W., Akopova, I., **Gryczynski, Z.** *Chem. Phys. Lett.* 2008, 462, 327-330.
- 158. Monolayers of Silver Nanoparticles Decrease Photobleaching: Application to Muscle Myofibrils. Muthu, P., Calander, N., Gryczynski, I., **Gryczynski, Z**., Talent, J.M., Shtoyko, T., Akopova, I., Borejdo, J. *Biophys. J.*, 2008, 95, 3429-3438.
- 157. Reduction of photobleaching and photodemage in single molecule detection: observing single actin monomer in skeletal myofibrils. Borejdo, J., Muthu, P., Talent, J., **Gryczynski, Z.**, Calander, N., Akopova, I., Shtoyko, T., Gryczynski, I. *J. Biomed. Optics* 2008, 13 (3) 034021-1-10.
- 156. Carbon nanotube-based biosensors. Ramoni, R., M. Staiano, S. Bellucci, I. Grycznyski, **Z. Grycznyski**, R. Crescenzo, L. Iozzino2, S. Bharill, V. Conti, S. Grolli and S. D'Auria. *J. Phys. Cond. Matter.* 2008, 20, 4785
- 155. Enhanced Fluorescent Immunoassay on Silver Fractal-like Structures. Shtoyko, T., E.G. Matveeva, I.F. Chang, **Z. Gryczynski**, E. Goldys, I. Gryczynski. *Ann. Chem.* 2008, **80** (6), 1962-1966.
- 154. Fluorescence intensity decay of 2-aminopurine solutions: Lifetime distribution approach. Bharill S, Sarkar P, Ballin JD, Gryczynski I, Wilson GM, **Gryczynski Z.** *Ann. Biochem.* 2008; **377**: 141-149
- 153. Fluorescence correlation spectroscopy in a reverse Kretschmann surface plasmon assisted microscope. Calander N, Muthu P, Gryczynski I, **Gryczynski Z**, Borejdo J. *Optics Express.*. 2008. **16** (17):): 13381-13390

- 152. Binding of 8-anilino-1-naphthalenesulfonate to lecithin:cholesterol acyltransferase studied by fluorescence techniques. Sarkar P, Bharill S, Gryczynski I, **Gryczynski Z**, Nair MP, Lacko AG. *J. Photochem. Photobiol B: Biology.* 2008. **92**: 19-23
- 151. Aggregation and excitation trapping of 3,3 -diethyl-9-methylthiacarbocyanine iodide in disordered and uniaxially oriented polymer films. Synak A, Bojarski P, Gryczynski I, **Gryczynski Z**, Rangelowa-Jankowska S, Kulak L, Sadownik M, Kubicki A. *Chem. Phys. Lett.* 2008: 222-225
- 150. Local RNA Conformational Dynamics Revealed by 2-Aminopurine Solvent Accessibility. Ballin JD, Prevas JP, Bharill S, Gryczynski I, **Gryczynski Z**, Wilson GM. *Biochemistry*. 2008. **47**: 7043-7052
- 149. Fluorescence quenching/enhancement surface assays: Signal manipulation using silver-coated gold nanoparticles. Matveeva EG, Shtoyko T, Gryczynski I, Akopova I, **Gryczynski Z**.. *Chem. Phys. Lett.* 2008; 454: 85-90
- 148. FCS Imaging—A Way to Look at Cellular Processes. Gryczynski, Z. Biophys. J. 2008, 94: 1943-1944.
- 147. Decreasing photobleaching by silver nanoparticles on metal surfaces: application to muscle myofibrils. Muthu P, Gryczynski I, **Gryczynski Z**, Talent JM, Akopova I, Borejdo J. *J. Biomed Optics*. 2008; **13**(1): 014023-1-014023-9
- 146. Long wavelength depolarized light scattering from silver nanoparticles. Klitgaard, S., Shtoyko, T., Calander, N., Gryczynski, I., Matveeva, E.G., Borejdo, J., Neves-Petersen, T.M., Petersen, S.B., **Gryczynski, Z**. *Chem. Phys. Lett.* 2007, **443**, 1-5.
- 145. Plasmon-enhanced fluorescence near metallic nanostructures: biochemical applications. Goldys EM, Barnett A, Drozdowicz-Tomsia K, Gryczynski I, Matveeva EG, **Gryczynski Z**, Shtoyko T. *Applied Physics A: Materials Science & Processing* 2007 Nov; **89** (2):265-71.
- 144. Fluorescence Amplification by Electrochemically Deposited Silver Nanowires with Fractal Architecture. Goldys, M., Drozdowicz-Tomsia, K., Xie, F., Shtoyko, T. Matveeva, E.G., Gryczynski, I., Gryczynski, Z. JACS, 2007, 129, 12117-12122.
- 143. The protein scaffold of the lipocalin odorant-binding protein is suitable for the design of new biosensors for the detection of explosive components.(2007), Ramoni, R. et.al. *J. Phys.: Condens. Matter* 2007, **19**, 1-7.
- 142. Orientation and spectral properties of two stilbazolium merocyanine dyes in stretched and unstretched polyvinyl alcohol films. Dudkowiak, A., Frackowiak, D., Teslak, E., **Gryczynski, Z**., Gryczynski, I. *Acta Biochim. Polon.* 2007, **54**, 647-656.
- 141. Site-Specific Variations in RNA Folding Thermodynamics Visualized by 2-Aminopurine Fluorescence. Ballin.J.D., Bharill S., Fialcowitz-White, E.J., Gryczynski, I., **Gryczynski, Z**., Wilson, G. M. *Biochemistry*, 2007, **46**, 13948-13960.
- 140. Flavin mononucleotide fluorescence intensity decay in concentrated aqueous solutions, Grajek, H., Gryczynski, I., Bojarski, P., **Gryczynski, Z**., Bharill, S., Kulak, L. *Chem. Phys. Lett.* **2007**, **439**, 151-156.
- 139. Red blood cells do not attenuate the SPCE fluorescence in surface assays. Matveeva, E.G., Gryczynski, I. Barnett, A., Calander, N., **Gryczynski, Z**. *Ana. Bioanal. Chem.* 2007, **388**, 1127-1135.
- 138. Decreasing photobleaching by silver island films: application to muscle. Muthu, P., Gryczynski, I., **Gryczynski, Z.**, Talent, J., Akopova, I., Jain, K., Borejdo, J.*Anal. Biochem.* 2007, **366**, 228-236.
- 137. Coupled plasmon effects for the enhancement of fluorescent immunoassays. Anne Barnetta, Evgenia G. Matveva, I. Gryczynskia, **Z. Gryczynskia**, E.M. Goldys. *Physica* B. 2007, **394**, 297–300.
- 136. Interference of surface plasmon resonances causes enhanced depolarized light scattering from metal nanoparicles. Calander, N., Gryczynski, I., **Gryczynski, Z.** *Chem. Phys. Lett.* 2007, **434**, 326-330.
- 135. Metal particle-enhanced fluorescent immunoassays on metal mirrors. E. G. Matveeva, I. Gryczynski, A. Barnett, Z. Leonenko, J. R. Lakowicz, **Z. Gryczynski**. *Analytical Biochem*. 2007, **363**, 239-245.
- 134. Protonation reactions of excited state pyrene derivatives with phosphate and organic acids in aqueous solution monitored by fluorescence and infrared spectroscopy. Zelent, B., J. M. Vanderkooi, R. Coleman, I. Gryczynski, **Z. Gryczynski**. *Biophys. J.* 2006, **91**, 3864-3871.
- 133. Application of Surface plasmon Coupled Emission to Study Muscle. (2006) Borejdo, J., **Gryczynski, Z.**, Calander, N., Muthu, P., Gryczynski, I. *Biophys. J.* **91**, 2626-2635.
- 132. Fluorescence Correlation Spectroscopy in Surface Plasmon Coupled Emission Microscopy. Borejdo, J., N. Calander, **Z. Gryczynski**, and I. Gryczynski. *Optic Express*. 2006, **14** (17), 7878-7888.
- 131. Minimization of detection volume by surface Plasmon-coupled emission. Z. Gryczynski, J. Borejdo, N. Calander, E.G. Matveeva, I. Gryczynski, *Analytical Biochem.*, 2006, **356**, 125-131
- 130. Dye-Labeled Silver Nanoshell Bright Particle. Zhang, J., Gryczynski, I., **Gryczynski, Z**., Lakowicz, J.R. *J. Phys. Chem.* 2006. **110**. 8986-8991.
- 129. Waveguide-modulated surface plasmon-coupled emission of Nile blue in poly(vinyl alcohol) thin films. Gryczynski, I., Malicka, J., Nowaczyk, K., **Gryczynski, Z.**, Lakowicz, J.R. *Thin Solid Films*. 2006, **510**, 15-20.
- 128. Depolarized light scattering from silver nanoparticles. **Gryczynski, Z**., Lukomska, J., Lakowicz, J.R., Matveeva, E.G., Gryczynski, I. *Chem. Phys. Lett.* 2006, **421**, 189-192.
- 127. One- and Two-Photon Induced Fluorescence of Pacific Blue-Labeled Human Serum Albumin Deposited on

- Different Core Size Silver Colloids. Lukomska, J., Gryczynski, I., Malicka, J., Makowiec, S., Lakowicz, J.R., **Gryczynski, Z**. *Biopolymers* 2006, **81**, 249-255.
- 126. Pressure Effect on the Stability and the Conformational Dynamics of the D-Galactose/D-Glucose-Binding Protein from *Escheria coli*.Marabotti, A., P. Herman, M. Staiano, A. Varrale, M. De Champdore, M. Rossi, **Z. Gryczynski**, and S. D'Auria. *Proteins: Struct. Funct. And Bioinfor.*, 2006, **62**:193-201.
- 125. Multiple U2AF(65) Binding Sites within SF3b155: Thermodynamic and Spectroscopic Characterization of Protein-Protein Interactions among pre-mRNA Splicing Factors. Thickman KR, Swenson MC, Kabogo JM, **Gryczynski** Z, Kielkopf CL. *J Mol Biol.* 2005, **356**(3):664-83.
- 124. Plastic Versus Glass Support for an Immunoassay on Metal-Coated Surfaces in Optically Dense Samples Utilizing Directional Surface Plasmon-Coupled Emission. (2005) Matveeva, E.G., Gryczynski, I., Malicka, J., **Gryczynski**, Z., Goldys, E., Howe, J., Brndt, K.W., Lakowicz, J.R., *J. Fluorescence* **15**, 865-871.
- 123. Directional Surface Plasmon-Coupled Emission from a 3nm Green Fluorescent Protein Monolayer. (2005) Kostov, Y., Smith, D.S., Tolosa, L., Rao, G., Gryczynski, I., **Gryczynski, Z**., Malicka, J., Lakowicz, J.R. *Biotechnol. Prog.* **21**, 1731-1735.
- 122. Plasmonic technology: novel approach to ultrasensitive immunoassays.Lakowicz JR, Malicka J, Matveeva E, Gryczynski I, **Gryczynski Z**. *Clin Chem.* 2005 Oct; **51**(10): 1914-22.
- 121. Spectroscopic Characterization of the EF-had domain of phospholipase C *1: Identification of a lipid interacting domain. Kobayashi, M., **Z. Gryczynski**, J. Lukomska, J. Feng, M. Roberts, J. Lakowicz, J. W. Lomasney. *Arch. of Biochem. Biophysics.* (2005), Vol. **440**, 191-203.
- 120. First Observation of Surface Plasmon-Coupled Emission Due to LED Excitation.Smith DS, Kostov Y, Rao G, Gryczynski I, Malicka J, **Gryczynski Z**, Lakowicz JR. *J Fluorescence*. 2005 Dec; **222**: 1-6.
- 119. Directional Surface Plasmon-Coupled Emission Application for an Immunoassay in Whole Blood. Matveeva E.G., **Gryczynski Z.**, Malicka J., Lukomska J., Makowiec S., Berndt K.W., Lakowicz J. R., Gryczynski I. (2005). *Anal. Biochem.*, **344**(2), 161-167.
- 118. Two-photon induced surface plasmon-coupled emission. Gryczynski, I. Malicka, J., Goldys, E.M., Lakowcz, J.R., Calander, N. and **Gryczynski, Z**. (2005), *Thin Solid Films*, **491**, 173-176.
- 117. Structural changes in the rebosomal pre-initiation complex in response to start codon recognition during eukaryotictranslation Initiation. (2005). Maag, D., Fekete, C., **Gryczynsk, Z**., and Lorsh, J.R. *Mol. Cell.* **17 (2)**, 265-275.
- 116. Two-photon induced fluorescence of Cy5-DNA in buffer solution and on silver island films. (2005). Lukomska J., Gryczynski I., Malicka J., Makowiec S., Lakowicz J.R., **Gryczynski Z**., *BBRC*, **328**, 78-84.
- 115. Surface plasmon-coupled emission of quantum dots (2005). Gryczynski I., Malicka J., Jiang W., Fischer H., Chan W.C.W., **Gryczynski Z**., Grudzinski W., Lakowicz J.R., *J. Phys. Chem.* B, **109**, 1088-1093.
- 114. Surface plasmon-coupled ultraviolet emission of 2,5-diphenyl-1,3,4-oxadiazole (2004). Malicka J., Gryczynski I., **Gryczynski Z.**, Lakowicz J.R., *J. Phys. Chem. B*, **108**, 19114-19118.
- 113. Myoglobin immunoassay utilizing directional surface plasmon-coupled emission (2004). Matveeva E., **Gryczynski Z.**, Gryczynski I., Malicka J., Lakowicz J.R., *Anal. Chem.*, **76**, 6287-6292.
- 112. Metal-enhanced fluorescence immunoassays using total internal reflection and silver island-coated surfaces (2004). Matveeva E., **Gryczynski Z.**, Malicka J., Gryczynski I., Lakowicz J.R., *Anal. Biochem.*, **334**, 303-311.
- 111. Surface plasmon-coupled polarized emission of N-acetyl-L-tryptophanamide (2004). Gryczynski I., Malicka J., Lukomska J., **Gryczynski Z**., Lakowicz J.R., *Photochem. Photobiol.*, **80**, 482-485.
- 110. First observation of surface plasmon-coupled electrochemiluminescence. (2004). Zhang J., **Gryczynski, Z.**, Lakowicz J. R. *Chem. Phys. Lett.* **393**, 483-487.
- 109. Fluorescence polarization studies of B-phycoerythrin oriented in polymer film. (2004). Frackowiak D., Ptak A.,
- 108. Advances in surface-enhanced fluorescence. (2004). Lakowicz J.R., Geddes C.D., Gryczynski I., Malicka J., **Gryczynski Z**., Aslan, K., Lukomska J., Matveeva E., Zhang J., Badugu, R., and Huang J. *J. Fluoresc.*, **14**, 425-441.
- 107. The peculiar nature of unfolding of the human prion protein. (2004), Baskakov, I. V., Legname, G., **Gryczynski, Z**., Prusiner, S. B. *Protein Science*, **13**(3), 586-595.
- 106. Ultra-bright fluorescein-labeled antibodies near silver metallic surfaces. Lakowicz J.R., Malicka J., Huang J., **Gryczynski Z.**, Gryczynski I., *Biopolymers*, **74**, 467-475.
- 105. Effects of sample thickness on the optical properties of surface plasmon-coupled emission. (2004) Gryczynski I., Malicka J., Nowaczyk K., **Gryczynski Z.**, Lakowicz J.R., *J. Phys. Chem.* B, **108**, 12073-12083.
- 104. Surface plasmon-coupled emission using gold film. (2004) Gryczynski I., Malicka J., **Gryczynski Z**., Lakowicz J.R., *J. Phys. Chem.* B, **108**, 12568-12574.
- 103. Ultraviolet surface plasmon-coupled emission using thin aluminium films (2004). Gryczynski I., Malicka J., **Gryczynski Z.**, Nowaczyk K., Lakowicz J.R., Anal. Chem., **76**, 4076-4081.
- 102. Use of surface plasmon-coupled emission to measure DNA hybridization (2004). Malicka J., Gryczynski I., **Gryczynski Z.**, Lakowicz J.R., J. Biomol. Screening, **9**(3), 208-215.

- 101. Directional surface plasmon coupled emission (2004), Geddes C.D., Gryczynski I., Malicka J., **Gryczynski Z.**, Lakowicz J.R., J. Fluoresc., **14**, 119-123.
- 100. Structural and Thermal Stability Characterization of Escherichia coli D-Galactose/D-Glucose Binding Protein. (2004). D'Auria, S., Alfieri, F., Staiano, M., Pelella, F., Rossi, M., Scire, A., Tanfani, F., Bertoli, E., **Gryczynski, Z**., and Lakowicz, J.R. *Biotechnol. Prog.* **20**, 330-337.
- 99. Fluorescence detection gains in sensitivity. (February 2004). Geddes C.D., Gryczynski I., Malicka J., **Gryczynski Z.**, Lakowicz J.R., *Photonics Spectra*, **38**, 92-98.
- 98. Multi-Wavelength Immunoassays Using Surface Plasmon-Coupled Emission. (2004). Matveeva, E., Malicka, J., Gryczynski, I., Gryczynski, Z., and Lakowicz, J.R. BBRC, 313, 731-736.
- 97. Bisimidazoacridones: 2. Steady-State and Time-Resolved Fluorescence Studies of Their Diverese Interactions with DNA. (2003). Tarasov, S. G., Casas-Finet, J., Cholody, W.M., Kosakowska-Cholody, T., **Gryczynski, Z**., and Michejda, C.J. *Photochem. Photobiol.* **78**(4), 313-322.
- 96. DNA Hybridization Using Surface Plasmon-Coupled Emission. (2003). Malicka, J., Gryczynski, I., **Gryczynski, Z.**, and Lakowicz, J.R. *Ann. Chem.* **75**, 6629-6633.
- 95. Radiative Decay Engineering 4. Experimental studies of surface plasmon-coupled directional emission (2003). Gryczynski I., Malicka J., **Gryczynski Z**., Lakowicz J.R., Anal. Biochem., **324**, 170-182.
- 94. Fluorescence properties of labeled proteins near silver colloid surfaces (2003). Maliwal B.P., Malicka J., Gryczynski I., **Gryczynski Z.**, Lakowicz J.R., Biopolymers (Biospectroscopy), **70**, 585-594.
- 92. Metallic colloid wavelength-ratiometric scattering sensors (2003). Roll D., Malicka J., Gryczynski I., **Gryczynski Z.**, Lakowicz J.R., Anal. Chem., **75**, 3440-3445.
- 91. Radiative decay engineering: The role of photonic mode density in biotechnology. Lakowicz J.R., Malicka J., Gryczynski I., **Gryczynski Z**., Geddes C.D., *J. Phys., D: Appl. Phys.*, **36**, R240-R-249.
- 90. Effects of fluorophore-to-silver distance on the emission of cyanine-dye labelled oligonucleotides. Malicka J., Gryczynski I., **Gryczynski Z**., Lakowicz J.R., (2003), *Anal. Biochem.*, **315**, 57-66.
- 89. Increased sensitivity of fluorescence detection using metallic nanoparticles. Lakowicz J.R., Malicka J., **Gryczynski Z.**, Roll D., Huang J., Geddes C.D., Gryczynski I., (2003) *PharmaGenomics*, March/April 2003, 38-46.
- 87. Effects of metallic silver particles on resonance energy transfer between fluorophores bound to DNA (2003). Lakowicz J.R., Kusba J., Shen Y., Malicka J., D'Auria S., **Gryczynski Z.**, Gryczynski I., *J. Fluoresc.*, **13**, 69-77.
- 86. Metal-enhanced fluorescence: Potential application in HTS. Geddes C.D., Gryczynski I., Malicka J., **Gryczynski Z.**, Lakowicz J.R., (2003) *Combinatorial Chemistry and HTS*, **6**, 109-117.
- 85. Directional surface plasmon-coupled emission: A new method for high sensitivity detection (2003). Lakowicz J.R., Malicka J., Gryczynski I., **Gryczynski Z**., Biochem. Biophys. Res. Commun., 307, 435-439.
- 84. Fluorescence-Sensing Methods. (2003) **Gryczynski, Z**., Gryczynski I., and Lakowicz, J.R. *Meth. of Enzymology*. Vol. 360. 41-75
- 83. Effects of Silver Island Films on the Luminescent Intensity and Decay Times of Lanthanide Cheolates, J. R. Lakowicz, B. P. Maliwal, J. Malicka, **Z. Gryczynski**, and I. Gryczynski (2002). *J. Fluoresc.*, 12(314):427-433.
- 82. A Novel Fluorescence Competitive Assay for Glucose Determinations by Using a Thermostable Glucokinase from the Thermophilic Microorganism *Bacillus Stearothermophilus*, S. D'Auria, N., DiCesare, M. Staiano, **Z.Gryczynski**, M. Rossi, and J. R. Lakowicz (2002). *Anal. Biochem.*, 303:138-144.
- 81. Polarization Oxygen Sensor: a Template for a Class of Fluorescence-Based Sensors. Y. Kostov, **Z. Gryczynski**, G. Rao.(2002). *Anal. Chem.* 74: 2167-2171.
- 80. High Probability of Disrupting a Disulphide Bridge Mediated by an Endogenous Excited Tryptophan Residue, M. T. Neves-Petersen, **Z. Gryczynski**, J. Lakowicz, P. Fojan, S. Pedersen, E. Petersen, and S. B. Petersen (2002). *Protein Science* 11:588-600.
- 79. Four-Photon Excitation of 2,2'-Dimethyl-p-terphenyl, I. Gryczynksi, G. Piszczek, **Z. Gryczynski**, and J. R. Lakowicz (2002). *J. Phys. Chem. A.*, 106:754-759.
- 78. Multiphoton Excitation of Fluorescence near Metallic Particles: Enhanced and Localized Excitation, I. Gryczynski, J. Malicka, Y. Shen, **Z. Gryczynski**, and J. R. Lakowicz (2002). *J. Phys. Chem. B.* 106:2191-2195.
- 77. Radiative Decay Engineering. 2. Effects of Silver Island Films on Fluorescence Intensity, Lifetimes, and Resonance Energy Transfer, J. R. Lakowicz, Y. Shen, S. D'Auria, J. Malicka, J. Fang, **Z. Gryczynski**, and I. Gryczynksi (2002). *Anal. Biochem.*, 301:261-277.
- 76. Functionally Different Agonists Induce Distinct Conformations in the G Protein Coupling Domain of the S₂ AdrenergicReceptor. P. Ghanouni, **Z. Gryczynski**, J.J. Steenhuist, T.W. Lee, D.L. Farrens, J. R. Lakowicz, and B. K. Kobilka. *J. Biol. Chem.* Vol. **276** (27), (2001), 24433-24436.
- 75. Intrinsic Fluorescence from DNA Can Be Enhanced by Metallic Particles, J. R. Lakowicz, B. Shen, **Z. Gryczysnki**, S. D'Auria, and I. Gryczynski (2001). *Biochem. Biophys. Res. Commun.*, 286: 875-879.
- 74. Intensified Fluorescence. Radiative decay engineering uses metal particles to enhance fluorescence, suggesting myriad new applications in biotechnology and chemistry, J. R. Lakowicz, I. Gryczynski, Y. Shen, J. Malicka, and **Z.**

- Gryczynski (2001). Photonics Spectra, October 96-104.
- 73. Long-Wavelength Long-Lifetime Luminophores. B.P. Malibal, **Z. Gryczynski**, and J.R. Lakowicz. *Anal. Chem.* Vol. 73 (2001), 4277-4285.
- 72. Heme Pocket Disorder in Myoglobin: Reversal by Acid-Induced Soft Refolding. M.C. Piro, V. Militello, M. Leone, **Z. Gryczynski**, S. V. Smith, W. S. Brinigar, A. Cupane, F. K. Friedman, and C. Fronticelli. *Biochemistry*, **Vol. 40**, (2001), 11841-11850.
- 71. Spectral Properties of Bacteriochlorophyll c in Organisms and Model Systems. J. Goc, A. Dudkowiak, **Z. Gryczynski**, I. Gryczynski, B. Zelent, and D, Frackowiak. *J. Fluorescence*, Vol. 11 (1), (2001), 53-63.
- 70. Calcium- and Magnesium-Dependent Interactions between the C-Terminus of Troponin I and the N-Terminal, Regulatory Domain of Troponin C. J. Digel, O. Abugo, T. Kobayashi, **Z. Gryczynski**, J.R. Lakowicz, and J. H. Collins. *Arch. Of Biochem. Biophys.* Vol. **387** (2), (2001), 243-249.
- 69. A FRET-Based Sensor Reveals ATP Hydrolysis Dependent Large Conformational Changes and Three Distinct States of the Molecular Motor Myosin. W. Shih, **Z. Gryczynski**, L. Lakowicz, and J. Spudich. *Cell*, Vol. **102**, (2000) 683-694.
- 68. A Termophylic ApoBGlucose Dehydrogenase as Non-Consuming Glucose Sensor. S. D'Auria, N. Di Cesare, **Z. Gryczynski**, I. Gryczynski M. Rossi, J. Lakowicz. *Biochem. Biophys. Res. Com.* Vol. **274**, (2000), 727-731.
- 67. Simple Apparatus for Polarization Sensing. **Z. Gryczynski**, I. Gryczynski, J. Lakowicz. *Opt. Eng.* Vol. **39**(8), (2000), 2351-2358.
- 66. The Crystal Structure of Met-RANTES: Comparison with RANTES and AOP-RANTES. D.M. Hoover, J. Shaw, **Z. Gryczynski**, J. Lupkowski. *Prot. Peptide* **7 (2)**, (2000), 73-82.
- 65. Green Fluorescent Protein as a Probe of Rotational Mobility Within Bacteriphage T4. J.M. Mullaney, R. Thompson, **Z. Gryczynski**, L.W. Black. *J. Virol. Meth.* Vol. **88**, (2000), 35-40.
- 64. A Protein Biosensor for Lactate. S. D'Auria, **Z. Gryczynski**, I. Gryczynski M. Rossi, J. Lakowicz. *Anal. Biochem.* Vol. **283**, (2000), 83-88.
- 63. Calcium-induced Flexibility Changes in the Troponin C-Ttroponin I Complex. X. Zhao, T. Kobayashi, **Z. Gryczynski**, I. Gryczynski, I. Lakowicz, R. Wade, J.Collins. *Biochem. Biophys. Acta* Vol. **1479**, (2000), 247-254.
- Time-Resolved Spectral Observations of Cadmium-Enriched Cadmium Sulfide Nanoparticles and the Effect of DNA Oligomer Binding. J.R. Lakowicz, I. Gryczynski, Z. Gryczynski, Kazik Nowaczyk, and Catherine J. Murphy. *Anal. Biochem.* Vol. 280, (2000), 128-136.
- 61. Novel Fluorescence Sensing Methods for High-Throughput Screening. J.R. Lakowicz, I. Gryczynski, **Z. Gryczynski**. *J. Biomol. Screening* Vol. **5**(3), (2000), 123-131.
- 60. Background Suppression in Frequency-Domain Fluorometry. J.R. Lakowicz, I. Gryczynski, **Z. Gryczynski**, and M. L. Johnson. *Anal. Biochem.* Vol. **277**, (2000) 74-85.
- 59. The Conformation of Microtubule-Bound Paclitaxel Determined by Fluorescence Spectroscopy and RDOR NMR. Y. Li B. Poliks, L. Cegelski, M. Poliks, **Z. Gryczynski**, G. Piszczek, P. G. Jagtap, D. J. Sudelskia, D. G. Kingstom, J. Schaefer, and S. Bane. *Biochemistry* Vol. **39**, (2000), 281-291.
- 58. Inhibitory Region of Troponin I: Ca²⁺ Dependent Structural and Environmental Changes in the Troponin-Tropomyosin Complex and in Reconstituted Thin Filament. T. Kobayashi, M. Kobayashi, **Z. Gryczynski**, J.R. Lakowicz, and J. H. Collins. *Biochemistry* Vol. **39**, (2000), 86-91.
- 57. Polarization-Based Sensing of Glucose Using an Oriented Reference Film. J. Lakowicz, Gryczynski I., **Gryczynski, Z** Tolosa L., Renders-Eichhorn L., Rao G. *J. Biomed. Opt.* Vol. **4**(4), (1999), 445-449.
- 56. High Throughput Screening with Multiphoton Excitation. J.R. Lakowicz, I. Gryczynski, **Z. Gryczynski**. *J. Biomol. Screening* Vol. **4**(5), 97-102, (1999).
- 55. Two-Photon Excitation of Rhenium Metal-Ligand Complexes. J. Lakowicz, F. Castelano, I. **Gryczynski, Z.** Gryczynski, J. Dattelbaum. *J. Photochem. Photobiol. A: Chemistry.* Vol. **122** (1999), 95-101.
- 54. The β-glycosidase from the Hyperthermophilic Archaeon Sulfolobus Solfataricus: Enzyme Activity and Conformational Dynamics at Temperatures Above 100 C. S. D'Auria, R. Nucci, M. Rossi, I. Gryczynski, **Z. Gryczynski**, J. Lakowicz. *Biophys. Chem.* Vol. **81**, (1999), 23-31.
- 53. Luminescence Spectral Properties of CdS Nanoparticles. J. R. Lakowicz, I. Gryczynski, **Z. Gryczynski**, and C. J. Murphy. *J. Phys. Chem.* B. Vol. **103**, (1999), 7613-7620.
- 52. Polarization Sensing of Fluorophores in Tissues for Drug Compliance Monitoring. **Z. Gryczynski**, O. Abugo, J. Lakowicz. *Anal. Biochem* Vol. **273**, (1999), 204-211.
- 51. Polarization-Based Oxygen Sensor. I. Gryczynski, **Z. Gryczynski**, G. Rao and J. Lakowicz, *The Analyst*. Vol. **124**, (1999), 1041-1044.
- 50. Modulation Sensing of Fluorophores in Tissue A New Approach to Drug Compliance Monitoring. O. Abugo, **Z. Gryczynski** and J. Lakowicz. *J. Biomed. Opt.* Vol. **4**(4), (1999), 429-442.
- 49. Fluorescence Spectral Properties of the Anticancer Drug Topotecan by Steady-State and Frequency-Domain Fluorometry with One-Photon and Multi-Photon Excitation. I. Gryczynski, **Z. Gryczynski**, J. Lakowicz, T. Burke, D. Yang. *Photochem. Photobiol.* Vol. **69**(4), (1999), 421-428.
- 48. Polarization Sensing with Visual Detection. I. Gryczynski, Z. Gryczynski, and J. Lakowicz. Anal. Chem. Vol. 71,

- (1999), 1241-1251.
- 47. Polarization-Based Sensing with a Self-Referenced Sample. J. Lakowicz, I. Gryczynski, **Z. Gryczynski**, L. Tolosa, J. Dattelbaum and Govind Rao. *App. Spec.* Vol. **53**, (1999), 1149-1157.
- 46. Time-resolved Emissions in the Picosecond Range of Single Tryptophan Recombinant Myoglobins Reveal the Presence of Long Range Heme Protein Interaction. **Z. Gryczynski**, E. Bucci. *Biophys. Chem.* Vol. **74**, (1998), 187-196
- 45. Fluorescence Anisotropy Controlled by Light Quenching. I. Gryczynski, **Z. Gryczynski** and J.R. Lakowicz *Photochem. Photobiol.* Vol. **67**, (1998), 641-646.
- 44. Fluorescence Anisotropy Decays of 4-Cyano-N,N-dimethylaniline in Propylene Glycol Studied by Frequency-Domain Fluorometry. A. Kawski, G. Piszczek, I. Gryczynski, and **Z. Gryczynski**. *Z. Naturforsch*. Vol. **53a**, (1998), 711-716.
- 43. Temperature Titration: A New Approach to the Thermodynamics of Oxygen Binding to Hemoglobin. **Gryczynski Z**, H. Gering, E. Bucci. *Anal. Biochem.* Vol. **255**, (1998), 176-182.
- 42. Entropy Driven Intermediate Steps of Oxygenation May Regulate the Allosteric Behavior of Hemoglobin. E. Bucci, **Z. Gryczynski**, A. Razynska, H. Kwansa. *Biophys. J.* Vol. **74**, (1998), 2638-2648.
- 41. Anisotropy Spectra of the Solvent Sensitive Fluorophore 4-Dimethylamino-4'-Cyanostilbene in the Presence of Light Quenching. Gryczynski, I., J. Kusba, **Z. Gryczynski**, H. Malak and J.R. Lakowicz. *J. Fluorescence*. Vol. **12**, (1998), 263-261
- 40. Effect of Central Metal Substitution on Linear Dichroism of Porphyrins: Evidence of Out-of-Plane Transition Moments. **Gryczynski, Z**, R. Paolese, K. Smith and E. Bucci. *Biophys. Chem.*Vol. **69**, (1997), 71-84.
- 39. Fluorescence of Myoglobin and Hemoglobin. **Gryczynski, Z**., J. Lubkowski and E. Bucci. *Meth. of Enzymology*. Vol. **78**, (1997), 538-569.
- 38. Time-Resolved Fluorescence of Hemoglobin Species. **Gryczynski, Z.**, Beretta S., Lubkowski J., Razynska A., Gryczynski I, and Bucci E.. *Biophys. Chem.* Vol. **64**, (1997), 81-91.
- 37. Two-Photon Excitation by the Evenescent Wave from Total Internal Reflection. Gryczynski, I., **Z. Gryczynski**, and J.R. Lakowicz. Annal. Biochem. Vol. **247**, (1997), 69-76.
- 36. Two-Color Two-Photon Excitation of Fluorescence. Lakowicz, J.R., I. Gryczynski, H. Malak and **Z. Gryczynski**. *Photochem. Photobiol.* Vol. **64**, (1996), 632-635.
- 35. On the Possibility of Evanescent Wave Excitation Distal from a Solid-Liquid Interface Using Light Quenching. Lakowicz, J.R., **Z. Gryczynski** and I. Gryczynski. *Photochem. Photobiol.* Vol. **64**, (1996), 636-641.
- 34. Effect of Fluorescence Quenching by Stimulated Emission on the Spectral Properties of a Solvent-Sensitiv Fluorophore. Gryczynski, I., J. Kusba, **Z. Gryczynski**, H. Malak, and J.R. Lakowicz. *J. Phys. Chem.* Vol. **100**, (1996), 10135-10144.
- 33. Positive and Negative Cooperativites at Subsequent Steps of Oxygenation Regulate the Allosteric Behavior of Multistate Sebacyl-Hemoglobin. Bucci, E., A. Razynska, H. Kwansa, **Z. Gryczynski**, J.H. Collins and C. Fronticelli C., Unger R., Braxenthaler M., Moult J., Ji X., Gilliland G. *Biochemistry* Vol. **35**, (1996), 3418-3425.
- Photoselection of Luminescent Molecules in Anisotropic Media in the Case of Two-Photon Excitation. Part II. Experimental Studies of Hoechst 33342 in Stretched Poly(vinyl alcohol) Films. Kawski, A., Z. Gryczynski, I. Gryczynski, J.R. Lakowicz and G. Piszczek. Z. Naturforsch. Vol. 51a, (1996), 1037-1041.
- 31. Heme-Protein Interactions in Horse Heart Myoglobin at Neutral pH and Exposed to Acid Invastigated by Time-resolved Fluorescence in the Pico- to Nanosecond Time Range. **Gryczynski**, **Z**, J. Lubkowski and E. Bucci., *J. Biol. Chem.* Vol. **270**, (1995), 19232-19237.
- 30. Fluorescence and Phosphorescence Anisotropy Spectra of Indol in Poly(Vinyl Alcohol Film at Room Temperature. Kawski, A., I. Gryczynski, and **Z. Gryczynski**. *Z. Naturforsch*. Vol. **49a**, (1994), 1091-1092.
- 29. Molecular Orientation and Structure of the Transition Moments of Porphyrin Derivatives with Various Sym **Gryczynski, Z**., R. Paolesse, K. Smith, and E. Bucci., *J. Phys. Chem.*, Vol. **98**, (1994), 8813-8816.
- 28. Effect of Disordered Hemes on Energy Transfer Rates Between Tryptophans and Heme in Myoglobin. **Gryczynski, Z.**, C. Fronticelli, T. Tenenholz and E. Bucci., *Biophys. J.*, Vol. **65**, (1993), 1951-1958.
- 27. Design and Application of a New Optical Cell for Measuring Weak Fluorescent Emission with Time Resolution in the Picosecond Time Scale. **Gryczynski, Z.**, and E. Bucci., *Biophys. Chem.*, Vol. **48**, (1993), 31-38.
- 26. Intermolecular Dynamics in the Environment of the Single Tryptophan Residue In Staphylococcal nuclease.

 Demchenko, I. Gryczynski, **Z. Gryczynski**, W. Wiczk, H. Malak, and M. Fishman. *Biophys. Chem.* Vol. **48**, (1993), 39-48
- Linear Dichroism Study of the Heme Transition Moments which in Metalloporphyrin are Relevant to Radiationless Energy Transfer from Tryptophan. Gryczynski, Z., E. Bucci, J. Kusba. *Photochem. Photobiol.*, Vol. 58, (1993), 492-498.
- Fluorescence Anisotropy of 4-Dimethylamino-ω-diphenylphosphinyl-trans-Styrene in Isotropic Media in the Case of One- and Two-Photon Excitation. Kawski, A., I. Gryczynski and Z. Gryczynski., A. Z. Naturforsch. Vol. 48a, (1993), 551-556.
- 23. Effect of Intermolecular Crosslinks on the Enthalpy and Quaternary Structure of the Intermediates of Oxygenation of Human Hemoglobin. Bucci, E., C. Fronticelli, **Z. Gryczynski**, A. Razynska, J.H. Collins., *Biochemistry*, Vol. **33**,

- (1993), 3519-3526.
- 22. Recombinant Human Hemoglobin: Modification of Polarity of the β-Heme Pocket by a Valin⁶⁷(E11)□Threonine Mutation. Fronticelli,A., W.S. Brinigar, J.S. Olson, **Z. Gryczynski**, J.K. O'Donnell, J. Kowalczyk, and E.Bucci., *Biochemistry*, Vol. **32**, (1993), 1235-1242.
- 21. Isomerization of Diphenyl Polyenes. Part II. Fluorescence Properties of 1,8-Diphenyl-1,3,5,7-octatetraene in Poly(vinyl alcohol) Film. Kawski,A., A. Kubicki, B. Kuklinski, I. Gryczynski and **Z. Gryczynski**. *Z. Naturforsch*. Vol. **47a**, (1992), 1017-1022.
- 20. Rates of Energy Transfer Between Tryptophane and Hemes in Hemoglobin Assuming that the Heme is Planar Oscillator. **Gryczynski,Z.**, T. Tenenholz, E. Bucci. *Biophys.J.*, Vol. **63**, (1992), 648-653.
- 19. Fluorescence Intensity and Anisotropy Decays of the Intrinsic Tryptophan Emission of Hemoglobin Measured with a 10GHz Fluorometer Using Front Face Geometry on a Free Liquid Surface. Bucci, E., **Z. Gryczynski**, C. Fronticelli, I. Gryczynski, and J.R. Lakowicz. *J. Fluorescence*, Vol **2**, (1992), 29-36.
- 18. Time Resolved Fluorescence Intensity and Anisotropy Decays of 2,3-Diphenyloxazole by two-Photon and Frequency-Domain Fluorometry. Lakowicz, J.R., I. Gryczynski, **Z. Gryczynski**, E. Danielsen, and M.J. Wirth., *J. Phys. Chem.*, Vol. **96**,(1992), 3000-3006.
- 17. Directions of the Electronic Absorption Transition Moments in ω-Substituted 4-Dimethylamino-trans-Styrenes. Kawski, A., **Z. Gryczynski**, I. Gryczynski, J. Kusba. *Z. Naturforsch.*, Vol. **47a**, (1992), 471-474.
- 16. Isomerization of Diphenyl Polyenes Part I. Unusual Absorption of 1,8 Diphenyl-1,3,5,7-octatriene. Kawski, A., **Z. Gryczynski**, I. Gryczynski, W. Wiczk, and H. Malak, *Z. Naturforsch.*, Vol. **46a**, (1991), 621-624.
- 15. Substituent Effects on the Luminescence of 2-Substituted 3-Methylquinoxalines in Poly (Vinyl Alcohol) Films **Gryczynski,Z.** and A. Kawski. *Z. Naturforsch.*, Vol. **46a**, (1991), 304-306.
- 14. Discontinuous Release of Heat at Successive Steps of Oxygenation in Human and Bovine Hemoglobin at pH 9.0. Bucci, E., C. Fronticelli, **Z. Gryczynski**. *Biochemistry*, Vol. **30**, (1991), 3195-3199.
- 13. Effect of Temperature on Oxygen Affinity and Anion Binding of Bovine Hemoglobin. Razynska, A., C. Fronticelli, E. Di Cera, **Z. Gryczynski**, E.Bucci. *Biophys. Chem.* Vol. **38**, (1991), 111-115.
- 12. A 10-Ghz Frequency-domain Fluorometer. Laczko, G., I. Gryczynski, **Z. Gryczynski**, W. Wiczk, H. Malak, and J.R. Lakowicz. *Rev. Sci. Instrum.*, Vol. **61**, (1990), 2331-2337.
- 11. Bovine Hemoglobin Pseudo-Crosslinked with Mono (3.5 Dibromosalicyl)-Fumarate. Fronticelli, C., E. Bucci, A. Razynska, J. Sznajder, B. Urbaitis, **Z. Gryczynski**., *European J. of Biochem.*, Vol. **193**, (1990), 331-336.
- 10. Spectroscopic Analysis of Tautomeric Forms of 5-PhenyltetrazoleTempczyk,A., **Z. Gryczynski**, A. Kawski and Z Grzonka. *Z. Naturforsch.* **43a**, (1988), 363-368.
- 9. Directions of the Electronic Transition Moments of Dioxydo-p-terphenyl. **Gryczynski, Z.** and A. Kawski. *Z. Naturforsch*, **43a**, (1988), 193-195.
- 8. Relation between the Emission Anisotropy and the Dichroic Ratio for Solute Alignment in Stretched Polymer Films. **Gryczynski,Z.** and A. Kawski. *Z. Naturforsch.*, Vol. **42a**, (1987), 1396-1398.
- 7. Determination of the Transition-Moment Directions from Photoselection in Partially Oriented Systems. Kawski and **Z. Gryczynski**. ", *Z. Naturforsch*., Vol. **42a**, (1987), 808-812.
- 6. On the Determination of Transition-Moment Directions from Absorption Anisotropy Measurements. Kawski, A. and **Z. Gryczynski**. *Z. Naturforsch.*, Vol. **42a**, (1987), 617-621.
- 5. On the Determination of Transition-Moment Directions from Emission Anisotropy Measurements. Kawski, A. and **Z. Gryczynski**. *Z. Naturforsch*.. Vol. **41a**. (1986). 1195-1199.
- 4. Photophysics of Derivatives of trans-Stilbene in Poly(vinyl alcohol) Films. Gryczynski, I., A. Kawski, **Z. Gryczynski** and D. Gloyna. *J.Chem.Soc., Faraday Trans.*2, Vol. **82**, (1986), 132-135.
- 3. Linear Dichroism Study on N-Substituted Acridones in Stretched Poly (vinyl alcohol) Films. **Gryczynski Z.**, and A. Kawski. *Acta Physica Polonica*, Vol. **A70**, (1986), 105-111.
- 2. Thermal Deactivation of the Lowest Excited States of 5,6- Benzoquinoline in Poly(vinyl alcohol) Film. Gryczynski,I., A. Kawski, I. Janic and **Z. Gryczynski**. *Acta Physica Polonica*, Vol. **A70**, (1986), 113-119.
- 1. Directions of the Electronic Transition Moments of Synthetic Y_t Base. Gryczynski, I., **Z. Gryczynski**, A. Kawski and S. Paszyc. *Photochem. Photobiol.*, Vol. **39**, (1984), 319-322.

b. Book chapters

Multiple-Pulse Pumping with Time-Gated Detection for Enhanced Fluorescence Imaging in Cells and Tissue. Fudala, R., R. M. Rich, J. Kimball*, I. Gryczynski, S. Raut, J. Borejdo, D. L Stankowska, R. R Krishnamoorthy, K. Gryczynski, B. P Maliwal, **Gryczynski, Z**., 2014 *Springer Series of Fluorescence*. Pp. 1-15. Springer Berlin Heidelberg, 2014.

Molecular organization of polyene Antibiotic Amphotericin B Studied by Means of Fluorescence Technique. W. Gruszecki, R. Luchowski, P. Wasko, **Z. Gryczynski**, and I. Gryczynski. pp. 67-84. *Spectroscopic Methods of Analysis* (W. M. Bujalowski Editor). Springer New York 2012.

Metal Enhanced Immunoassays. I. Gryczynski, R. Luchowski, E.G. Matveeva, T. Shtoyko, p. Sarkar, j. Borejdo, I. Akopova, and **Z. Gryczynski**. pp. 217-230. *Spectroscopic Methods of Analysis* (W. M. Bujalowski Editor). Springer New York 2012.

Photosynthetic Antenna Complex LHCII Studied with Novel Fluorescence Techniques. . W. Gruszecki, R. Luchowski, W. Grudzinski, **Z. Gryczynski**, and I. Gryczynski. pp. 263-270. *Spectroscopic Methods of Analysis* (W. M. Bujalowski Editor). Springer New York 2012.

Single Molecule Detection Approach to Muscle Study: Kinetics of Single Cross-Bridge During Contraction of Muscle. J. Borejdo, D. Szczesna-Cordary, P. Muthu, R. Luchowski, **Z. Gryczynski**, and I. Gryczynski. pp. 311-334. *Spectroscopic Methods of Analysis* (W. M. Bujalowski Editor). Springer New York 2012.

Nonlinear Curve-Fitting Methods for Time-Resolved Data Analysis. Chapter 12. I. Gryczynski, R. Luchowski, S. Bharill, J. Borejdo, and **Z. Gryczynski.** *FLIM Microscopy in Biology and Medicine* (Hardcover) by Ammasi Periasamy (Editor), Robert M. Clegg (Editor) (2009)

Fluorescence Applications in Biotechnology and the Life Sciences by Ewa M. Goldys (Editor). Chapter 16. E. G. Matveeva, I. Gryczynski, **Z. Gryczynski**, E. M. Goldys. *Fluorescence immunochemical detection of analytes*. (2009).

Surface Plasmon Coupled Emission - Novel Technology for Studying Thin Layers of BioMolecular Assemblies. **Gryczynski, Z**., E. G. Matveeva, N. Calander, J. Zhang, J. R. Lakowicz, and I. Gryczynsk. In: *Surface plasmon Nanophotonics* edition M.L. Brongersma and P.G. Kik. 2007 Springer, pp. 247-265.

Basic of Fluorescence and FRET. **Gryczynski, Z**., I. Gryczynski and J.R. Lakowicz. In *Molecular Imaging. FRET Microscopy and Spectroscopy* (A. Periasami and R. N. Day Eds.). Oxford University Press. 2005, pp. 21-56.

Surface plasmon-coupled emission: A new method for sensitive fluorescence detection. Gryczynski I., Malicka J., **Gryczynski Z**., Lakowicz J.R., (2005) in Topics in Fluorescence, Vol. **8**, *Metal-Enhanced Fluorescence*, Lakowicz J.R. and Geddes C.D. (Eds), Kluwer Academic/Plenum Publishers.

Surface-plasmon-coupled emission: New technology for studying molecular processes. **Gryczynski Z.**, Gryczynski I., Matveeva E., Malicka J., Nowaczyk K., Lakowicz J.R., in Cytometry: New Developments (Methods in Cell Biology, Vol. **75**) 4th edition, Darzynkiewicz Z., Roederer M. and Tanke H.J. (Eds), Academic Press, 2004, pp. 73-104

DNA arrays for genetic analyses and medical diagnosis. D'Auria S., Rossi M., Malicka J., **Gryczynski Z.**, Gryczynski I, in Topics in Fluorescence, Vol. **7**, *Fluorescence and DNA*, Lakowicz J.R. (Ed.), Kluwer Academic/Plenum Publisher, New York 2003, pp.213-237.

Fluorescence-Sensing Methods. **Gryczynski, Z**., Gryczynski I., and Lakowicz, J.R. *Meth. of Enzymology*. 2003, Vol. **360**. 41-75

Fluorescence spectral engineering - Biophysical and biomedical applications. Lakowicz J.R., Gryczynski I., Shen Y., Malicka J., D'Auria S., **Gryczynski Z**., in *Fluorescence Spectroscopy Imaging and Probes*, Kraayenhof (Ed.), Springer Verlag, 2002, pp. 43-68.

Fluorescence of Myoglobin and Hemoglobin. **Gryczynski, Z.**, J. Lubkowski and E. Bucci. *Meth. of Enzymology*. Vol. **78**, (1997), 538-569.

c. Book Edited

Edited 15 books Last 3 years:

Enderlein, J; **Gryczynski**, **Z**; Erdmann, R; Koberling, F; Gregor, I., (2015) Single Molecule Spectroscopy and Superresolution Imaging VIII (Proceedings of SPIE Volume: 9331) Editor(s): doi:10.1117/12.2192601

Enderlein, J; **Gryczynski, Z**; Erdmann, R; Koberling, F; Gregor, I., (2014) Single Molecule Spectroscopy and Superresolution Imaging VII (Proceedings of SPIE Volume: 8950) Editor(s): ISBN: 9780819488718

Single Molecule Spectroscopy and Superresolution Imaging VI (Proceedings of SPIE Volume: 8590) Editor(s): Jörg Enderlein; **Zygmunt K. Gryczynski**; Rainer Erdmann; Felix Koberling; Ingo Gregor, February 2013. ISBN: 9780819488718

Single Molecule Spectroscopy and Superresolution Imaging V (Proceedings of SPIE Volume: 8228) Editor(s): Jörg Enderlein; **Zygmunt K. Gryczynski**; Rainer Erdmann; Felix Koberling; Ingo Gregor, February 2012. ISBN: 9780819488718

d. Not Peer-reviewed and Poster Presentations.

Over 100.

e. Patents

Polarization Based Sensing, US Patent # 6395556, 05/28/2002.

Devices and Methods for Monitoring Drug Therapy Compliance. US Patent #6663846, 12/16/2003.

Nanoparticles as Luminescent Probes. US Patent # 6,660,379.

Apparatus and Methods for Surface-Plasmon Coupled Directional Emission. US Patent # 20050053974A1, 03/10/2005.

Optical Structures for Metal-Enhanced Sensing. US Patent #7,095,502 08/22/2006

Surface Plasmon Assisted Microscopy. US Patent # 7956989 B2, 01/22/2008

Ratiometric Surface Plasmon Coupled Emission Detector. US Patent # 8159676 B2, 09/03/2009

Depolarized Me.tallic Nanoparticles Scattering for Ultrasensitive Detection of Biomolecular Interactions.

Invention disclosure to UNTHSC 2008.

Nano-scale dielectrophoretic SPCE biosensor. Invention disclosure to UNTHSC 2009.

Polarization standards for microscopy. Invention disclosure to UNTHSC 2009.

Self assembled colloidal structures. Invention disclosure to UNTHSC 2009.

Polarized Flourescent Nanospheres. US Patent 9,376,315, 2016

FRET Based Multiplex Probes. Invention disclosure to TCU/UNTHSC 2013. US Patent 9388450 B2. 2016.

Multi-Pulse Pumping for Enhanced Fluorescence Detection and Molecular Imaging in Cells and Tissue. Invention disclosure to TCU/UNTHSC 2013.

Interactions with other Institutions:

Over 20 Institution in active collaboration

Interactions with Industries/Companies

Adlyfe, VA – 2005/2006

Pharmaseq, PA – 2006-present

Varian Inc. - 2006-2009

Corrinova, TX – 2007

EncorVisioon, TX – 2007-present

PicoQuant, Berlin, Germany - 2006-present

ISS Inc., Champagn, IL – 2003-present

SETA BioMedicals, Urbana IL – 2007-present

Pierce/Fisher, Chicago, IL – 2007-present

NTEC - Frisco, TX 2007-present

Ohm Scientific, Dallas, TX – 2006-present

Revalasio Inc., Tacoma, WA -2014-2016

f. Grants and Contracts – funded in last 10 years for a total of over \$6,000,000

Detection of Protein Binding and Protein Conformational Changes by SPCE, BITC/NSF (P.I.). (\$100,000). 2005-2009

Engineering Peptide-based Biomaterials, (P.I. Yu, Y. B Univ. of Utah), NIH R01 EB004416, (Subcontract to Z.G. ~ \$98,000). 2004-2010

Mechanisms Directing Oncoprotein and Cytokine mRNA Decay. NIH NCI (R01-CA102428) (G. Wilson, PI) (Role Co.PI Subcontract) (\$56,000). 2007-2009

Center for Commercialization of Fluorescence Technologies, Emerging Technology Fund for the State of Texas, (P.I.) (\$2,275,000). 2007 -2011

Waveguide Assisted SPCE Microscope- A Novel Method to Study Conformational Dynamics. IRBD, NSF. (P.I.) (\$560,000). 2007-2010

EncorVision. Characterize of one and two photon photolysis and biological activation of derivatives of lipoic acid (BHC-L), Company Contract (\$50,000). 2008-2009

Pirce/Fisher Characterization of Dyes (DY-derivatives) Company Contract (\$10,000). 2009

Mechanisms Directing Oncoprotein and Cytokine mRNA Decay (R01-CA 102428) (PI G. Wilson) 2009-2014

Ribosome-based Single Molecule Method to Acquire Sequence Data from Genomes (R01 HG004364 (Mandecki, PI). Subcontract to I. Gryczynski. 2008-2010

Use of Silver Nanostructures on Microtransponders in an Ultra-Sensitive Assay (R43CA132547) (Mandecki, PI). Subcontract to I. Gryczynski. 2009-2010

Single Cross-Bridge Kinetics in Transgenic Mouse Hearts Expressing FHC Mutations (1R01HL090786) (Borejdo, PI). 2009-2014

Ratiometric SPCE Detection of miRNA (R41 EB008614) (Gryczynski, I PI); \$100,000. 2009-2011

Sturt-up Fund. TCU; \$750,000, 2010-2012

Multi-modal optical spectroscopy and imaging to intra-operatively detect positive cancer margins for prostatectomy, DoD (H. Liu PI, Subcontract ~\$78,000). 2009-20011

Nanophotonic Approach to Imaging Exocytosis NIH 1R21CA149897-01 (\$334,000), 2010-2012

Novel Fluorophores for Molecular and Cellular Imaging –NIH 1R01EB012003, (\$1,600,000), 2011-2015

Engineering Resonance Energy Transfer for Advanced Immunoassays. NSF CBET 1264608 I. Gryczynski (PI), 2013- 2016

Nanophotonic Approach to Cancer Activity Detection - Simple Device for Melanoma Detection (TCU INFOR \$20,000), 2014.

Fluorescence Studies of RNS60, Revalesio. (\$52,120), 2014-2015

Novel Approach to Image Mucin Release and Swelling - R21 EB017985-01A1 (\$328,000.00). 2014-2016

Fluorescence Studies of RNS60, Revalesio. (\$60,120), 2015-2016.

Acquisition of new laser system. Laser System to Power New Small Animal Imager at TCU. \$81,000, 2016

g. Invited Seminars

i. Local and State

Quest for Higher Sensitivity in Fluorescence Based Detection. Department of Physics, University of Texas, Arlington, TX. April 6, 2016.

Fluorescent Probes and Technologies for Real-Time Studies of Viscoelastic Properties of Mucins in Cellular Microenvironments. Department of Pulmonary Medicine, University of Texas MD Anderson Cancer Center. Houston, TX, February 9, 2016

Fluorescence - From Glowing Phenomenon – To - Cutting Edge Diagnostic Technology. January 22, 2016. Special presentation at Perot Museum, Dallas, TX.

- Quest for Higher Sensitivity in Fluorescence Based Detection. Department of Chemistry, UNT, Denton, April 24, 2015.
- Nanophotonics and Plasmonics for Ultrasensitive Detection and Biomedical Imaging. MetroCo, IEEE Meeting, Arlington TX, October 9, 2013.
- Fluorescence Technologies. Probe Development and Studying Molecular Interactions. *FluoroFest*, May 21, 2013, Fort Worth, Texas.
- Nanophotonics and Biomedical Diagnostics. Zygmunt (Karol) Gryczynski. Dept. of Physics, University of North Texas, April 2012, Denton.
- Emerging Nanophotonic Applications for Fluorescence Based Detection. University of Texas at Arlington, April 20, 2010.
- New Directions in Fluorescence Based Imaging. Southwestern University, Dallas, April 20, 2010
- Nanophotonics Platforms for Biomedical Applications Toward Single Molecule Immunoassay, Cell Biology, UNTHSC. February, 2008
- Nanophotonics Platforms for Biomedical Applications. Dep. Of Chemical Engineering, Texas A&M. College Station, TX, October 14, 2007.
- Fluorescence and FRET Biophysical Applications. Dept. of Physics. University of North Texas, Denton TX. August 20, 2007.
- Center for Commercialization of Fluorescence Technologies. BioDFW, Fort Worth, November 2007.
- Nanophotonics Platforms for Biomedical Applications, University of Texas, Dallas, October, 2007.
- Surface Plasmons Assisted Microscopy (SPAM) New Way for Monitoring Macromolecular Processes. Dept. of Biology, UNT Denton, March 2007.
- Biomedical Applications of Fluorescence Spectroscopy. Dept. of Engineering, UNT Denton, November 2005.

ii. National

- Quest for Higher Sensitivity in Fluorescence Based Detection. Abbott, Abbott Park, Illinois, March 27, 2015.
- FRET Enhanced Fluorescent Nanodiamonds. Z. Gryczynski, R. Fudala, S. Rout, B. P. Maliwal, T. W. Zerda, I. Gryczynski, E. Simanek, K. Schlick, J. Borejdo, R. Rich, D. Shumilov, I. Akopova. 68th Southwest Regional Meeting, American Chemical Society. November 4-7, 2012, Baton Rouge.

- Plasmonics in Fluorescence and Microscopy. 3rd Annual Course on Principles of Fluorescence Techniques. April, 2011. Chicago, IL
- Plasmonic Approach to Study Biological Processes. Single Molecule and Lifetime Measurements Workshop, April 19 -21, 2010, BNL.
- Plasmonics in Fluorescence and Microscopy. 3rd Annual Course on Principles of Fluorescence Techniques. April 5, 2010. Chicago, IL
- *Plasmonics in Fluorescence and Microscopy.* 2nd Annual Course on Principles of Fluorescence Techniques. April 10, 2009. Chicago, IL
- Novel Applications of Fluorescence Spectroscopy From Microscopy to Tissue Imaging. Dept. of Engineering, University of California, Davis, January 19, 2008
- *Plasmonics in Fluorescence and Microscopy.* 1st Annual Course on Principles of Fluorescence Techniques. April 11, 2008. Chicago, IL
- Surface Plasmon Coupled Emission. Biomedical Application. University of California, Laboratory for Fluorescence Dynamics. Irvin, April 2006.
- Nanoplasmonic Platforms for Ultrasensitive And Rapid Detection of Physiological Markers. Philip Morris Symphosium. Washington, DC, December, 2006
- Metal Enhanced Fluorescence Spectroscopy: Novel Approach to Immunoassay Technology. Ventana, Tucson, AZ. April 15, 2005.
- Biomedical Applications of Fluorescence Spectroscopy: Novel Approach to Ultrasensitive Detection. Centocor (Johnson & Johnson), King of Prussia, PA, July 22, 2005.
- Plasmons in Nanostructure Arrays. Possibility for High Fluorescence Enhancement in Biomedical Applications. New Jersey Nanotechnology Consortium (NJNC) Nanotechnology Conference, Murray Hill, NJ. February 3, 2005
- Biomedical Applications of Fluorescence Spectroscopy: Novel Approach to Immunoassay Technology. Amgen, Thousand Oaks, CA. January 12, 2005.
- Surface Plasmon-Coupled Emission Novel Approach to Study Biomolecular Processes. Biophysics Resource in the Structural Biophysics Laboratory, Center for Cancer Research, National Cancer Institute at Frederick, Frederick MD. July 2004
- Biomedical Applications of Fluorescence Spectroscopy: Nanotechnology Approach to Ultrasensitive Detection. University of Vermont, Burlington, June 1, 2005.
- Radiative Decay Engineering to Make Non-Fluorescent Molecules Fluorescent. University of Maryland, Bioscience Breakfast "Science That Means Business", Rockville, MD. May 22, 2002.
- Fluorescence of Proteins. Brandeis University. Waltham, MA. July 17, 2002.
- Novel Methods of Fluorescence Sensing: Application to High-Throughput Screening. Effective Drug Discovery, Philadelphia, PA. May 6-8, 2002.

- *Biophysical Application of Fluorescence Spectroscopy.* Dept. of Molecular Biology. University of Medicine and Dentistry of New Jersey, Stratford, NJ, November 2001.
- Fluorescence Spectroscopy, Basic Definition and Biomedical Applications. Chugai Biopharmaceuticals, Inc. San Diego, CA. September 6, 2001.
- Fluorescence Sensing, Biomedical Applications. Chugai Biopharmaceuticals, Inc. San Diego, CA, September 7, 2001.
- Fluorescence Spectroscopy in Pharmaceutical Research. Purdue Pharma L.P. New York, NY. November 6, 2000.
- Novel Sensing Methods. Purdue Pharma L.P. New York, NY. November 7, 2000.
- Possible Applications of Novel Fluorescence Sensing in Paper Product Identifying. Westvaco, Maryland. November 2, 2000.
- Emerging BioMedical Applications of Time-Resolved Fluorescence Spectroscopy. Current Advances In Biophotonics And Nanomedicine. October 19-21, 2000. Buffalo.
- Heme-Protein Interaction and Hemoglobin Stability under High Hydrostatic Presssure Probed by Fluorescence Spectroscopy. Ninth Annual Gibbs Conference on Biothermodynamics. October (1995)
- Fluorescence Spectroscopy. Basics and Applications. Purdue Pharma L.P. New York, NY. December 1, 1998.

iii. International

- Studying Cellular Functions in Real-Time and Higher Resolution. *Advanced Applications of Fluorescence Techniques*. July, 2016, Avellino, Italy.
- Quest for Higher Sensitivity in Fluorescence Based Detection. Developing Ultrasensitive Biomedical Assays. *Advanced Applications of Fluorescence Techniques*. July, 2016, Avellino, Italy.
- Fluorescence Microscopy New Developments. *Polish Biophysical Society Meeting.* June, 2016, Ryn, Poland.
- Quest for Higher Sensitivity in Fluorescence Based Detection. *Polish Biophysical Society Meeting.* June, 2016, Ryn, Poland.
- Fluorescence Measurments. Probes and Standards. ^{13th} European Short Course on Principles & Applications of Time-Resolved Fluorescence Spectroscopy. Berlin, Germany, November, 2015.
- Analitycal Applications of Fluorescence. ^{13th} European Short Course on Principles & Applications of Time-Resolved Fluorescence Spectroscopy. Berlin, Germany, November, 2015.
- Analytical and Biochemical Application of Steady-State and Time-Resolved Fluorescence. Kawaska, Piaseczno, Poland, June 4, 2014.
- New Directions in Fluorescence Probe Development. Applications to Ultrasensitive Detection/Diagnostics and Imaging. Kawaska, Piaseczno, Poland, June 4, 2014.

- Noble Metals Nanomaterials for Enhanced Optical Detection. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw Poland, June 5, 2014.
- Fluorescence Probes Development New Directions, Institute of Physics, Technical University of Poznan, Poznan, Poland, June 7, 2014.
- Fluorescence Probe Development New Directions. Department of Physics and Mathematics. University of Gdansk, Poland, June 11, 2014.
- Developing Molecular Probes and Technologies for Studying Viscoelastic Properties of Biological Microenvironment. Institute of Physics, Olsztyn, June 16, 2014.
- Novel Probes and Approaches for Biomedical Diagnostics. Department of Physics, Maria Curie-Sklodowska University, Lublin, Poland, June 18, 2014.
- Zygmunt Gryczynski. Developing Molecular Probes and Technologies for Real-Time Studies of Excocytotic Mucin Release in Cells. New Fluorescent Biomolecules and Their Building-Blocks FB³. La Jolla, CA. August 2014.
- Fluorescence Technology for Studying Molecular Interactions in Biological Systems. Jan Kochanowski University, June 3, Kielce, Poland.
- Plasmonics in Fluorescence and Microscopy. Jan Kochanowski University, June 3, Kielce, Poland.
- Multiple-Pulse Pumping for Enhanced Fluorescence and Molecular Imaging in Cells and Tissue. 13th Conference on Methods and Applications of Fluorescence. Genoa, Italy, September 8-11, 2013.
- Fluorescence Measurments. Probes and Standards. ^{11th} European Short Course on Principles & Applications of Time-Resolved Fluorescence Spectroscopy. Berlin, Germany, November 2013.
- Analitycal Applications of Fluorescence. ^{11th} European Short Course on Principles & Applications of Time-Resolved Fluorescence Spectroscopy. Berlin, Germany, November 2013.
- Detection of hyaluronidase activity using fluorescence lifetime correlation spectroscopy to separate diffusing species and eliminate autofluorescence. *Single Molecule Spectroscopy and Superresolution Imaging VI.* Photonics West, February 2013, San Francisco SPIE Proceedings Vol. 8590, 2013.
- Detecting Molecular Interactions at Distances Larger than 100 Å. Application of FRET to Study Dynamics of Annexin II Complexing with Plasminogens. *Zygmunt Gryczynski*. 6th Wroclaw-Prague Seminar on Biophysics of Lipids 7th 10th October 2012, Wroclaw, Poland.
- Developing Nanophotonics Probes for Biomedical Diagnostics Zygmunt (Karol) Gryczynski. 6th International Symposium on Nanomedicine (ISNM2012), November 29-December 1, 2012, Shimane, Japan.
- Novel Probes for Ultrasensitive Diagnostics. 8th International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine, June, 2011. Kauai, HI
- European Course. *Principles and Applications of Time-Resolved Fluorescence Spectroscopy IX* (Organizer/Instructor). Berlin, Germany, November 2011.

- NanoPhotonic and Plasmonic Approach to Study Biological Processes. Multifunctional Nanoscale Materials for the 21st Century; Argonne National Laboratory, 6 March 2009
- Data Analysis for Time-Resolved Fluorescence. FRET Microscopy Workshop; Charlottesville, VA; 4 March 2009
- Localized Surface Plasmons: Biomedical Applications of Metal Enhanced Fluorescence. FRET Microscopy Workshop; Charlottesville, VA; 4 March 2009
- Nanophotonic Approach to Single Molecule Detection Detecting and Monitoring Single Antibody. Single Molecule Spectroscopy and Imaging. SPIE BIOS; San Jose, CA; 23 January, 2009
- Fluorescence Standards for Time-Resolved Fluorescence Spectroscopy and Microscopy. Multiphoton Microscopy in the Biomedical Sciences; SPIE BIOS; San Jose, CA; 24 January, 2009
- Nanophotonic Approach to Single Molecule Detection Detecting and Monitoring Single Antibody. Single Molecule and Lifetime Measurements Workshop; UC Davis; Sacramento, CA January 2009
- Nanophotonic Approach to Single Molecule Detection Detecting and Monitoring Single Antibody. University of Shimane, November 7, 2008. Matsue, Japan.
- Surface Plasmon Assisted Microscopy (SPAM) and Single Molecule Detection. 4th Wroclaw-Prague Seminar on Biophysics of Lipids. October 23-25, 2008. Wroclaw, Poland
- Plasmon Enhanced Fluorescence for Biomedical Applications. 7th International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine, June 6-12, 2008. Kauai, HI
- RatiometricFRET-based Surface Confined Detection of Mi-RNA. San Jose, Single Molecule Spectroscopy and Imaging. January 19-20, 2008. Proceedings of SPIE Vol. BO127
- Single Molecule Immunoassay Nanophotonic Approach. University of California, Sacramento, January 18, 2008
- Nanophotonics Platforms for Biomedical Applications. University of Shimane, Izumao City, Japan. December 20, 2007.
- Surface Plasmon Assisted Microscopy (SPAM) New Way to Study Molecular Dynamics. Taichung, Taiwan. December 16, 2007.
- Nanoplsmonic Platforms for Bioassays. International Symposium on Biophotonics, Nanophotonics, and Metamaterials, Hanghzou, China, October 2006.
- Surface Plasmon Coupled Emission Emerging Tool to Study Conformational Processes on the Level of Single Molecule. Dept. of Chemistry, Chinese Academy of Science, Beijing, China, October 2006.
- Plasmon Enhanced Fluorescence; Ultrasensitive Detection and Biomedical Applications. Biophotonics in Australia, Macquarie University, Sydney, Australia, February 2006.
- Radiative Decay Engineering: Plasmonics Effects in Fluorescence. Biophotonics 2005, National Yang-Ming University, Taipei, October 2, 2005
- Basic Definitions and Principles of Fluorescence. Time-Resolved Phenomena. Biophotonics 2005, National Yang- Ming University, Taipei, October 1, 2005

Radiative Decay Engineering: The Use of Metallic Structures to Control Fluorophore Emission. 10th International Workshop on "Single Molecule Detection and Ultrasensitive Analysis in Life Science. Berlin, Germany. September 22-24, 2004

Long-Wavelength Long-Lifetime Luminophores for Cellular and Tissue Imaging. (Invited lecture) SPIE Vol. (2004).

Time-resolved Fluorescence Technologies and the Living Cell. The 1st International Cytomics Conference. Coldra Woods, Newport, Wales UK, May 2003.

Metal Enhanced Fluorescence in Assay Development. IBC,s 6th Annual Conference on *Assay Development.*

San Diego, CA. October 16-18, 2002.

Novel Fluorescence Methods for High Throughput Screening. High Throughput Screening for Drug Discovery. Boston, July 16-18, 2002.

Novel Fluorescence Sensing and Fluorescent Biosensors. 2002 Gordon Research Conference on Laser in Medicine and Biolgy. July 14-19, 2002.

Novel Fluorescence Sensing Methods. University of Warsaw. July 2, 2000.

Recent Development in Fluorescence Spectroscopy. Multi-Photon Excitation, New Luminophores, And Novel Sensing Methods. Photophysics in Tecnology and Medicine. June 26-30, 2000. Poznan, Poland.

New Fluorescence Methods for Bioimaging Assays. Invited Lecture on PerkinElmer Life Sciences - New Technologies for Imaging in Bioassays. June 2000. Royal Collage of Physicians, London.

Fluorescence Lifetime Standards. Luminescence Standards Workshop. NIST. Gaithersburg, September 8-9, 1999.

Novel Methods in Fluorescence Sensing. Microscopy & Microanalysis. Portland, Oregon. August 1-5, 1999.

Long-Lifetime Fluorophores. Microscopy & Microanalysis. Portland, Oregon. August 1-5, 1999.

Novel Methods in Fluorescence Sensing. SPIE Vol. Invited Lecture on Environmental and Industrial Sensing. (1999)

Hemoglobin Structure Probed by Fluorescence Spectroscopy under High Hydrostatic Pressure. Lecture on 40th Annual Biophysical Meeting, 17-21 February (1996). Biophys. J. Vol. 70. Su-PM-C1.

SERVICE

Committee Service

University:

- 1. MD School Research Committee, 2015-, TCU
- 2. Academic Appeals Committee, 2014-present, TCU
- 3. Pre-Health Professions Institute, 2013-present, TCU
- 4. Promotion and Tenure Committee Department of Physics and Astronomy, TCU, 2014-present
- 5. TCOM Admission Committee (Team 3), 2007-2010, UNT TCOM
- 6. Graduate Programs Committee, UNTHSC, Fort Worth, 2006- present
- 7. Bio-Nanophotonic CLUSTER at UNT Denton. Funded in 2008, 2007-2011
- 8. Promotion and Tenure Committee 2008-2010, Department of Molecular Biology and Immunology, UNTHSC
- 9. Faculty Grievance and Appeal Committee UNTHSC, 2009-2010

National and International:

- 2.Organizing Committee for Regional Meeting. MetroCo, IEEE Meeting, 2012-present
- 3. Editorial Board for Methods in Applications in Fluorescence from 2012-present
- 4.Institute of Physics, Methods in Applications in Fluorescence, Committee Member 2012-present
- 5.Editorial Board: Journal of Experimental Biology and Medicine, 2008-present
- 6. The International Society for Optical Engineering (SPIE), 1990-present
- 7. SPIE BiOS Executive Organizing Committee, 2007- present.
- 8. Co-Chair, International Conference on *Single Molecule Spectroscopy and Imaging, Photonic West Meeting*, San Francisco 2008-present.
- 9. Chair, International Conference *Biohazard Detection Technologies*, *Photonic West Meeting*, San Jose 2002-2005.
- 10. Co-Chair, International Conference, *Plasmonics in Medicine*, *Photonic West Meeting*, San Jose 2002-2004.
- 11. Chair. Young Investigator Award, *Photonic West Meeting*, San Francisco 2009-present.
- 12. Organizing Committee Polish Biophysical Society Meeting 2013 and 2016.

Grant Review Committees

From 2005-2009 I was a standing member of NIH review panel MEDI. After finishing my tenure I regularly serve at 4-6 NIH grant review panels every year plus NSF, and other institutional panels.

In last 3 years:

- 1. NIH ZRG1 SBIB-Z (03), 03/02/2017
- 2. NIH DP1 Pioneer Award, January 2017
- 3. NIH ZRG1 DTCS-A (81)01/18/2017
- 4. NIH Director's New Innovator Award (PD2), December 2016

- 5. NIH ZRG1 DTCS-A (81) 10/20/2016, Bethesda, MD.
- 6. NIH ZRG1 BMIT-B 09/23/2016 (mail), San Francisco, CA.
- 7. NIH ZRG1 BMIT-B 06/09/2016, San Diego, CA.
- 8. NIH ZRG1 DTCS-A (81) 02/24/2016
- 9. NIH ZRG1 MOSS-R (56) R
- 10. NIH ZRG1 DTCS-A (81) S 06/18/2015, Bethesda, MD.
- 11. NIH ZRG1 MOSS-C (56) R 04/24/2014-04/25/2015.
- 12. NIH ZRG1 SBIB D30 03/19/2015.
- 13. Foundation for Polish Science Review Panel 11/10/2015, Warsaw, Poland
- 14. NIH ZRG1 DTCS-A (81) S 06/18/2014.
- 15. NIH ZRG1 MOSS-C (56) R 04/24/2014-04/25/2014.
- 16. NIH ZRG1 SBIB D30 03/19/2014.
- 17. Other Pancreatic Cancer UK (mail reviewer)
- 18. NIH CMIP/SBIB-W(59), 6-7 October 2014, Alexandria, VA.
- 19. NIH SBIB-D 57, 8 October 2014, NIH Rockledge II, Bethesda, MD.
- 20. Foundation for Polish Science

Community service

Special Presentation at Perot Museum, Dallas, TX. January 22, 2016. Fluorescence - From Glowing Phenomenon – To - Cutting Edge Diagnostic Technology.

Society for the Advancement of Chicanos and Native Americans in Science (SACNAS), October 2009.

Math & Science AKAdemy for 5th and 6th grade girls organized by: Beta Mu Omega Chapter of Alpha

Kappa Alpha Sorority, Inc. March 2009

Science Fair - UNTHSC, October 2009

Science Fair – UNTHSC, February 2009

Science Fair – UNTHSC, February 2008

Co-Chair, Award Committee, Young Investigator Award SPIE, Photonic West, 2006-present.

Award Judge, Baltimore, MD. University of Maryland Science Fair, 2003, 2004.

PROFESSIONAL SOCIETIES

1. Memberships

The International Society for Optical Engineering (SPIE)

Society of Experimental Biology and Medicine

Biophysical Society

2. Offices held None

James Russell Haden, M.D.

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Fort Worth, Texas 76104
(817) 336-8855 – Office
(817) 336-4228 -- Fax
(214) 574-4414 -- Home
(214) 636-2152 -- Mobile
E-Mail: RussHaden@yahoo.com

CERTIFICATION

2001	Texas State Medical License - #L0234
2002	Diplomate, American Board of Internal Medicine
2004	Diplomate, American Board of Allergy and Immunology

HOSPITAL AFFILIATIONS

Harris Methodist (Downtown, Southwest, Northwest) Baylor All-Saints (Downtown and Cityview) Cook Children's

EDUCATION

1994 - 1998	University of Texas Health Science Center San Antonio
	M.D. May 1998
1992 - 1994	Texas Christian University
	B.S. Biology - magna cum laude
1990 - 1992	Louisiana State University

EMPLOYMENT

2004 - Current	Allergy & Asthma Clinic of Fort Worth / Haden Allergy
2002 - 2004	Fellow: Allergy and Immunology - UT Southwestern
2001 - 2002	Hospitalist - IPC (In Patient Consultants) Dallas, Texas
2000 - 2004	Investigator - AARA Research Center, Dallas, Texas
2000 - 2001	Internal Medicine Chief Resident – St. Paul University Medical Center at
	UT Southwestern Medical Center, Dallas, Texas
2000	Clinical Medicine Instructor – UT Southwestern Medical School
1999 - 2000	Internal Medicine Resident - St. Paul University Medical Center at
	UT Southwestern Medical Center, Dallas, Texas
1998 - 1999	Internal Medicine PGY-1 - UT Health Science Center, San
	Antonio, Texas - University Hospital and Audie L. Murphy VA
	Hospital
1993 - 1994	Physics Teaching Assistant - TCU

1992 (Summer) Mountaineering Guide - Sawatch Mountain Range, Colorado

1991 - 1992 Biology Teaching and Laboratory Assistant - LSU

AWARDS & HONORS

2006-Current	Fort Worth Magazine "Top Doc"
2001	Lilly Pharmaceuticals Critical Care Resident of the Year
2000	Chief Resident Internal Medicine – St. Paul University Medical Center at
	UT Southwestern Medical Center
2000	Outstanding Resident – Teaching award - UT Southwestern
	Medical School / Parkland Hospital
2000	Radiology Award – St. Paul Medical Center – Based on "Case of the Week"
2000	Regional Presentation Award – American College of Physicians
	for presentation titled "Re-expansion Pulmonary Edema"
1994	Dean's Scholarship - UT Health Science Center
1993	Phi Beta Kappa - TCU

RESEARCH ACTIVITY

- Efficacy and Safety of Combination Loratidine/Montelukast QD vs Its Components in the Treatment of Subjects With Seasonal Allergic Rhinitis
- A Multicenter, Double-Blind, Randomized, Parallel-Group Study Investigating the Clinical Effect of L-858674 in Patients with Seasonal Allergic Rhinitis - A pilot Study During the Fall Season
- 3) Efficacy and Safety of Two Formulations of SCH 483 5/240 mg, Compared to Desloratidine 5 mg and Pseudoephedrine 240mg QD Sustained Release, in the Treatment of Subjects With Seasonal Allergic Rhinitis
- 4) A Phase 3 Study to Determine the Efficacy and Safety of C1-Inhibitor (Human) Vapor Heated, Immuno in Subjects with Hereditary Angioedema
- Phase II Safety and Efficacy Study of Daily Dosing with Nebulized Recombinant Human IL-4 Receptor in Asthma
- 6) A Multicenter, Double blind, Randomized Parallel-Group Study Investigating the Clinical Effect of Montelukast in Patients with Seasonal Allergic Rhinitis Spring 2001 Study
- 7) Chronic-Dose Comparison of the Efficacy and Safety of Albuterol-HFA-MDI (Salamol), Albuterol-HFA-BOI (Salamol Easi-Breathe) and *Proventil HFA* in Mild-to-Moderate Asthmatics
- 8) Pilot Study to Investigate the Efficacy and Safety of a Combination of Desloratadine 5mg QD Plus Pseudoephedrine 120 mg Sustained Release vs. A Combination of Loratadine 10 mg Plus Pseudoephedrine 240 mg QD Sustained Release vs. Placebo in Subjects with Seasonal Allergic Rhinitis
- 9) A Phase II, Randomized, Placebo-controlled, Double-Blinded, Parallel Group, Dose Finding Study to Evaluate the Effectiveness of 28 Days of Treatment with LDP-977 in Adult Asthmatics
- 10) Efficacy and Safety of Mometasone Furoate Dry Powder Inhaler in the Treatment of Patients with Chronic Obstructive Pulmonary Disease
- 11) A Multicenter, Randomized, Controlled, Open-label Study to Evaluate the Safety of Xolair in Moderate to Severe Persistent Asthma Subjects Already Treated with Other Therapies (ALTO)
- 12) A Multicenter, Double-Blind, Randomized, Parallel-Group Study Investigating the Clinical Effect of Montelukast in Patients with Seasonal Allergic Rhinitis Spring 2001 Study
- 13) Bronchodilation Bioequivalence Study of Albuterol-HFA-MDI and Proventil HFA
- 14) Safety and Efficacy Study of Olopatadine Nasal Spray Vehicle in the Prevention of Symptoms of Seasonal Allergic Rhinitis with Azelastine HCL Nasal Spray 0.1% (Astelin) as a Reference Standard
- 15) A Pilot Study of the Effect of Desloratidine on Nasal Congestion in a Subject of Subjects with Seasonal Allergic Rhinitis
- 16) A Study of Norastemizole QD in Pediatric Subjects with Perennial Allergic Rhinitis/Seasonal Allergic Rhinitis

- 17) An Efficacy and Safety Study of Levabuterol, Racemic Albuterol and Placebo in Subjects Twelve Years of Age and Older with Asthma
- 18) A Double-Blind, Placebo-Controlled Study of the Effect of Desloratidine in Subjects with Perennial Allergic Rhinitis
- 19) 12 Weeks Treatment with 125ug Roflumilast versus 250ug Roflumilast versus Placebo in Patients with Asthma
- 20) A Multicenter, Open-label, Long-Term Safety Study of Ciclesonide 100ug/Day to 400ug/Day (exvalve) Metered Dose Inhaler Administered Once Daily for the Treatment of Mild to Moderate Persistent Asthma in Adolescents and Adults
- 21) A Phase III Double-Blind, Placebo-Contolled, Parallel Group, Multicenter Efficacy, Safety and Dose Response Study of Ciclesonide Metered Dose Inhaler 100ug/Day, 200 ug/Day, and 400 ug/Day (Ex-Valve) Administered Once Daily for 12-Weeks in the Treatment of Mild to Moderate Persistent Asthma in Adolescents and Adults
- 22) A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, 12-Week Trial Evaluating the Efficacy and Safety of the Fluticasone Propionate/Salmeterol DISKUS Combination Product 250/50mcg Once Daily Versus Fluticasone Propionate/Salmeterol DISKUS 100/50mcg Twice Daily Fluticasone Propionate DISKUS 250mcg Once Daily Versus Placebo in Symptomatic Adolescent and Adult Subjects with Asthma That is Not Controlled on Short-Acting Beta2-Agonists Alone
- 23) A Double-Blind, randomized, placebo-controlled, multi-center, Phase II study with five parallel groups, comparing the efficacy and safety of oral efleterizine immediate release (IR) 7mg, 10mg, and 15mg tablets administered twice a day ond oral efleterizine extended release (ER) 35mg tablets administered once a day in the morning for two weeks versus placebo in subjects suffering from seasonal allergic rhinitis
- 24) A Multicenter, Randomized, DoubleOblind, Placebo-Controlled Study of the efficacy and Safety of Zyrtec-D 12 hour Versus Placebo in Patients with Seasonal Allergic Rhinitis and Concomitant Mild to Moderate Asthma
- 25) A Twelve-week, Randomized, Double-Blind, Double-Dummy, Placebo-Controlled Trial of SYMBICORT (80/4.5mcg) Versus its Mono-Products (Budesonide and Formeterol) in Children (>= 6 years of age) and Adults with Asthma
- 26) A Doulble-Blind, Placebo-Controlled Study of the Effect of Desloratidine in Subjects with Perennial Allergic Rhinitis
- 27) A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel Group Study Investigating the Clinical Effects of Montelukast in Patients with Perennial Allergic Rhinitis
- 28) A Multicenter, Double-Blind, Randomized, Parallel groups Versus Placebo-controlled Study to Assess the Efficacy and Safety of Fexofenadine 120mg BID in Subjects with Mild to Moderate Persistent Asthma
- 29) A Multicenter, Open-lable, Randomized, Parallel Groups Study to Assess the Long Term Safety Performance of Fexofenadine Compared to Montelukast in Subjects with Asthma
- 30) A two-stage, ascending-four-dose-group, placebo-controlled study to assess the efficacy and tolerability of DX-88 (recombinant plasma kallikrein inhibitor) administered following onset of acute attacks of hereditary angioedema, followed by dose confirmation
- 31) A twelve-week, randomized, double-blind, double-dummy, placebo-controlled trial of SYMBICORT® (80/4.5mcg) versus its mono-products (budesonide and formoterol) in children (>= 6 years of age) and adults with asthma
- 32) Comparative randomized study of safety and immunogenicity of a non-adjuvanted respiratory syncytial virus (RSV) vaccine versus and RSV vaccine aduvanted with aluminum phosphate when administered concomitantly with a licensed influenza vaccine in high-risk adults >= 65 years of age
- 33) A multicenter, double-blind, randomized, parallel study comparing the efficacy and safety of fexofenadine 120mg bid, fexofenadine 240mg qd, and placebo in subjects with perennial allergic rhinitis
- 34) A randomized, double-blind, placebo-controlled, parallel-group, 12-week trial evalutating the efficacy and safety of the fluticasone propionate/salmeterol diskus combination product 250/50 mcg once daily versus fluticasone propionate diskus 250mcg once daily versus placebo in symptomatic adolescent and adult subjects with asthma that is not controlled on short acting beta2 agonists alone

- 35) A double-blind, placebo and active controlled, parallel group study of tecastemizole administered to subjects with seasonal allergic rhinitis
- 36) An efficacy and safety study of levalbuterol, racemic albuterol and placebo in subjects twelve years of age and older with asthma
- 37) A randomized, double-blind, placebo-controlled trial of astelin® nasal spray (azelastine hydrochloride), clarinex® (desloratidine), and astelin nasal spray plus claritin (loratidine) in patients with seasonal allergic rhinitis
- 38) Twelve weeks treatment with 125mcg roflumilast versus 250mcg roflumilast versus placebo in patients with asthma
- 39) A placebo and active controlled efficacy and safety study of a once-daily fixed combination tablet of desloratidine 5mg/pseudoephedrine 120mg (sch 483 [5/120]) in subjects with seasonal allergic rhinitis
- 40) Edema 2: Evaluation of DX-88's Effects in Mitigating Angioedema, An Open Label Study to Assess the Efficacy and Tolerability of Repeated Doses of DX-88 (recombinant plasma kallikrein inhibitor in Patients with Hereditary Angioedema
- 41) A Mulitcenter, Randomized, Double-blinded, Parallel Group, 40-week Comparison of Asthma Control using Brochial Hyperresponsiveness as an Additional Guide to Long-term Treatment in Adolescents and Adults Receiving either Fluticasone Propionate DISKUS BID (or placebo BID if asymptomatic)
- 42) A Randomized, Double-Blind, Placebo-Controlled Trial of Astelin[®] (azelastine hydrochloride) Nasal Spray 137 mcg at a Dosage of One Spray per Nostril Twice Daily in Patients With Seasonal Allergic Rhinitis
- 43) A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study Investigating the Clinical Effects of Montelukast on Allergic Rhinitis in Patients with Seasonal Allergic Rhinitis and Chronic Asthma
- 44) A Mulitcenter, Double-blinded, Randomized, Parallel Group, Study Investigating the Clinical Effect of L-000888839 in Patients with Seasonal Allergic Rhinitis a Pilot Study During the Fall Season
- 45) A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study Investigating the Clinical Effects of Montelukast in Patients with Perennial Allergic Rhinitis
- 46) A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Phase 3 Clinical Trial to Assess the Long Term (one year) Safety of Ciclesonide, Applied as a Nasal Spray (200 ug, once daily) in the Treatment of Perennial Allergic Rhinitis (PAR) in Patients 12 Years and Older
- 47) A Multi-Center, Multinational, Randomized, Double-Blind, Parallel Group Study of the Effects of Ciclesonide HFA-MDI 640 ug/day on Lens Opacification in Adult Subjects with Moderate to Severe Persistant Asthma

PUBLICATIONS

JR Haden and DA Khan. **Physchiatric Syndromes that Mimic Asthma.** Advances in Psychosomatic Medicine: Asthma. Editor: Sherwood Brown. Karger Publishing. 2003;24:72-85.

JR Haden and DA Khan. Remission of Alcohol Anaphylactoid Reaction. J All Clin Imm 111:2 S98

JR Haden and DA Khan. **Anaphylaxis: Clues to Recognition.** Journal of Respiratory Diseases. 2004;25:59-63

JR Haden and DA Khan. **Anaphylaxis: Management Strategies.** Journal of Respiratory Diseases. 2004;25:113-116

PRESENTATIONS

Eosinophilic Gastroenteropathies - Allergy & Immunology Conference – UT Southwestern / Parkland / Children's Medical Center Dallas, 2003

Pre and Perinatal Factors in the Development of Atopy - Allergy & Immunology Conference – UT Southwestern / Parkland / Children's Medical Center Dallas, 2003

Remission of Anaphylactoid Reaction to Alcohol – American Academy of Allergy Asthma and Immunology annual meeting, Denver, Colorado 2003

Anaphylactoid Reaction to Celecoxib – American College of Allergy, Asthma, & Immunology annual meeting, San Antonio, Texas 2002

Pets, Allergies, and Asthma – Allergy & Immunology Conference – UT Southwestern / Parkland / Children's Medical Center Dallas, 2002

Stem Cell Transplant for Non-Neoplastic Disease – Tumor Conference, St Paul Medical Center, 2000 Atherosclerosis and Infection: An Update on Current Literature - Grand Rounds, St. Paul Medical Center, 2000

Imaging in the Diagnosis of Pulmonary Embolism - Grand Rounds and Radiology Training Conference, St. Paul Medical Center, 2000

Re-expansion Pulmonary Edema - American College of Physicians Regional Conference, UT Southwestern Medical Center, 2000

Bronchioloalveolar Carcinoma: Pathophysiology, Diagnosis, and Management - Tumor Conference, St. Paul Medical Center, 1999

Infective Endocarditis: Etiology and Diagnosis - Grand Rounds, St. Paul Medical Center, 1999 **Dissiminated Intravascular Coagulation** - Teaching Conference for ICU Nursing Fellows, St. Paul Medical Center

Complications of Radiocontrast Agents - Morbidity and Mortality Teaching Conference, St. Paul Medical Center, 2000

Enteral Feeding in the ICU - ICU Teaching Conference, St. Paul Medical Center, 1999

Anaphylaxis: Etiology & Management - ICU Teaching Conference, St Paul Medical Center, 2000 Neuromuscular Blocking Agents in the Critically III - ICU Teaching Conference, St Paul Medical Center, 2001

Toxic Epidermal Necrolysis: Etiology and Management - ICU Teaching Conference, St Paul Medical Center, 2001

TEACHING EXPERIENCE

UT Southwestern Clinical Instructor - Received "Outstanding Resident" Award in competition with Parkland and St. Paul residents.

Chief Resident for Internal Medicine - St. Paul Medical Center

Physics Teaching Assistant - Texas Christian University

Biology Laboratory Teaching Assistant - Louisiana State University

EXTRACURRICULAR

2004 - current	Tarrant County Medical Society
2002 - Present	American College of Allergy, Asthma and Immunology
2001 - Present	American Academy of Allergy, Asthma and Immunology
2002 – Present	Joint Council of Allergy, Asthma and Immunology
2002 – Present	Texas Allergy, Asthma and Immunology Society
1999 - 2004	Dallas County Medical Society
1994 - Present	Texas Medical Association

Catherine Riddel Harrell, M.D.

Email: catherineharrell12@gmail.com

EDUCATION University of Texas Medical School at Houston

Houston, Texas MD, May 2010

Baylor University, 2002-2006

Waco, Texas

B.A., University Scholars Program, 2006

Graduated Magna Cum Laude

RESIDENCY TRAINING University of Texas Medical School at Houston and MD Anderson, Department of Dermatology

Dermatology Resident Houston, Texas July 2011- June 2014

University of Texas Medical School at Houston, Department of Internal Medicine

Prelim Internship in Internal Medicine

Houston, Texas July 2010-June 2011

WORK EXPERIENCE Trinity Vista Dermatology

Fort Worth, TX

Medical, surgical, and cosmetic dermatologist

May 2016- current

Advanced Dermatology & Skin Care Pearland & Sugar Land, TX January 2015-May 2016

Bay Oaks Dermatology Clear Lake & Baytown, TX July 2014-Dec 2015

LEADERSHIP ROLES American Academy of Dermatology Advisory Board Member

2015-current

Reference Committee Member

2017-current

Texas Dermatological Society Board Member TDS Delegate to the AAD Advisory Board

2015-current

American Academy of Dermatology Association Legislative Meeting

Washington, D.C.

September 2014, 2015, 2016

Regular guest lecturer to the UT Houston Residency Program

Chief Resident, UT Houston/MD Anderson Dermatology Residency Program

2013-2014

HONORS Mensa

Alpha Omega Alpha Medical Honor Society

Phi Beta Kappa Honor Society, Baylor University Chapter

BOARD CERTIFICATION American Board of Dermatology

July 2010

RESEARCH

AND PUBLICATIONS

Riddel C, Mendoza N, Arora A, et al. A rare case of disseminated shingles in an immunocompetent patient following a 7-day treatment with oral valacyclovir. *J Clin Virol*. 2008 Oct;43(2):233-5.

Chon S, Riddel C. Improving the assessment of erlotinib-induced rashes: a key to early detection and effective management. J Support Oncol 2009. Nov/Dec 7(6): 218-219.

Riddel C, Surovik J, Chon S. A case of Bupropion-induced Stevens-Johnson Syndrome. J Drugs Dermatol. 2010 Aug; 9(8): 1010-12.

Riddel C, Rashid R, Thomas V. Ungual and periungual human papillomavirus-associated squamous cell carcinoma: a review. J Am Acad Dermatol. 2011 Jun 64(6): 1147-53.

Riddel C, Surovik J, Chon S. Cho-Vega JH, Wang WL, Cutlan JE, Prieto VG. Fungal Foes: presentations of chromoblastomycosis post-hurricane Ike. Cutis. 2011 Jun; 87(6): 269-72

Chon S, Farley E, Riddel C, Caga-Agnan G. Dermatology. In: Hui D, Padwal R, eds. *Approach to Internal Medicine: A Resource Book for Clinical Practice*. 3rd ed. New York: Springer, 2011.

Sambrano B, Riddel C, Chon S. Eruptive Milia Secondary to Vemurafenib. J Am Acad Dermatol. 2013 Nov;69(5):e258-60

Reid H, Harrell C, Bangert C. A man with cutaneous sclerosis. J Am Acad Dermatol. 2015 Jan:72(1):e7-8.

Harrell C, McLain P, Bangert C. Unilateral linear verruciform xanthomas a the sole manifestation of CHILD syndrome: a novel missense mutation. In Submission.

POSTER PRESENTATIONS

Riddel C, Chon S. Eruptive Milia Secondary to Vemurafenib. Texas Dermatologic Society Spring 2012 Meeting.

Riddel C, Chon S. Superficial Inflammatory Desquamative Dermatitis: A novel reaction to pan-BCR-abl inhibitor, ponatinib. Texas Dermatologic Society Fall 2012 Meeting. 2nd Place Winner.

Harrell C, Bangert C. Porphyria Cutanea Tarda: A scleroderma mimicker and a couple's coincidence. Texas Dermatologic Society Fall 2013 Meeting

Vernali M, Lapolla W, Geddes E, Riddel C, Singh L, Hebert A. Cutaneous adverse events of vemurafenib, a novel selective small molecule inhibitor of BRAF used to treat metastatic melanoma. Advances in Oncology Fall 2013 Houston Meeting.

Harrell C, Bangert C. Unilateral linear verruciform xanthomas a the sole manifestation of CHILD syndrome: a novel missense mutation. Texas Dermatological Society Spring 2014 Meeting.

LECTURES

Chief Academy Annual Meeting, Faculty Speaker, "Preparing for Your First Job". San Antonio, TX. May 13-14, 2017.

Plaza Hospital Grand Rounds. "Hospital Dermatology. Fort Worth, TX. Nov 15, 2017

VOLUNTEERISM

Medical Mission Trip to Chimaltenango, Guatemala Houston's First Baptist Church

June 2014

Casa de Buen Samaritano

Volunteer monthly serving patients at an indigent clinic in Houston, TX

Oct 2015-May 2016

PROFESSIONAL AFFILIATIONS

American Academy of Dermatology Texas Dermatological Society

American Society of Dermatologic Surgery

Tarrant County Medical Society Texas Medical Association American Medical Association

CURRICULUM VITAE

JOHN HARLAN HAYNES III, MD, MSC

Sr. Medical Director
JPS Professional Office Complex
1350 Main Street, Suite 1250
JPS Health Network
Fort Worth, Texas 76104

Work: (817) 702-6883 Cell: (817) 798-8994 Fax: (817) 702-3852

Email: <u>jhaynes@jpshealth.org</u>

Jayhaynes2@gmail.com

PROFESSIONAL CAREER

1988 to 1992	Northwest Family Practice Associates / Health First. Ft. Worth,TX Principal and Founder
1990 to 1996	MedLife Corporation. Ft. Worth, TX and Stephenville, TX Chairman
1992 to 2004	Med Alliance Health Center, Ft. Worth, TX Medical Director
2003-2009	JPS Physician Group, Fort Worth, TX Founding Chairman
2004-2009	John Peter Smith Hospital, Fort Worth, TX Chief Medical Officer, Senior Vice President, Tarrant County Hospital District
2005-2008	Tarrant County Universities Consortium for Medical Education Chairman
2010-2015	Chairman, Practitioner Health and Wellness Committee
2009- Present	JPS Health Network, Fort Worth, TX Senior Medical Director, JPS Employee Health and Wellness Faculty Department of Family Medicine

John Harlan Haynes, MD, MSc 1

TRAINING, EDUCATION AND ACADEMIC APPOINTMENTS

1977 to 1981 Rhodes College

Memphis, TN

Bachelor of Science, June 1981

1981 to 1985 Louisiana State University Health Sciences Center, School of Medicine

Shreveport, LA

Doctor of Medicine, June 1985

July 1985 to July 1988 John Peter Smith Hospital

Ft. Worth, TX

Family Practice Residency

1998 to 2001 University of Texas Dallas and University of Texas Southwestern

Masters of Science in Medical Management

Alliance for Medical Management Education

HONORS: MERCK SCHOLAR

2007-2008 Texas A&M Health Science Center College of Medicine

Assistant Professor

Department of Family Medicine

Present Texas Christian University, Fort Worth Texas

Adjunct Associate Professor, Department of Kinesiology

Present University of North Texas Health Sciences Center, Fort Worth TX

Adjunct Clinical Assistant Professor, Department of Medical Education

Present Department of Medical Education UT Southwestern Medical Center at Dallas,

Assistant Professor

Department of Family and Community Medicine

BOARD CERTIFICATIONS/LICENSES

1985 Louisiana State Medical Board - Inactive

1986 Texas State Medical Board - H1101

1991 Diplomate: American Board of Quality Assurance and Utilization

Review

Dallas, TX, 1991

1993-2006 Senior Federal Aviation Administration

Aviation Medical Examiner, 1993 - 2006

1994 "No-Scalpel" Vasectomy- Trainer Certified- 1994

Association for Voluntary Surgical Contraception, New York City, NY

1996 Medical Review Officer, Certified - MROCC

June, 1996 - present

1998 Diplomate: American Board of Anti-Aging Medicine

Chicago, IL, 1998

2000 Designated Doctor

Texas Department of Insurance

Division of Workers Compensation 2000- present

2004 Certified Physician Executive

Commission on Medical Management

PUBLICATIONS

MANAGING SPAGHETTI SYNDROME IN A CRITICAL CARE SETTING USING A NOVEL DEVICE: A NURSING PERSPECTIVE.

Critical Care Nurse, Vol 35, No. 6 December 2015

Haynes, J.H., Bowers, K., Young, R., Sanders, T., Schultz, K.E.

"RING REMOVAL FROM AN EDEMATOUS FINGER",

"TICK REMOVAL",

"FISHHOOK REMOVAL",

"REMOVAL OF FOREIGN BODIES FROM THE EAR AND NOSE",

"TESTOSTERONE PELLET IMPLANTATION", AND

"GASTRIC LAVAGE" CHAPTERS in

Procedures for Primary Care Physicians

Pfenninger, J & Fowler, G (Editors), Haynes, J.H., et.al

Mosby Year Book Press, First Edition, 1994. Second Edition, 2003. Third Edition 2010.

"IMPROVING THE HEART OF HEALTH CARE."

Hospitals and Health Networks Journal, March 2007

Haynes, J.H., Cecero, D.M., Taub, K.A. & Raup, G.H.

"THE PROMISE OF TELEMEDICINE"

Tarrant County Physician Journal. July 1995, pg 9-13, Haynes, J.H.,

"GASTRIC LAVAGE FOR SERIOUS POISONINGS",

Family Practice Recertification Journal, October 1992,

Haynes, J.H.

<u>The Prevention and First Aid Treatment of Childhood Injuries,</u> Haynes, J.H. and Brady, W.H., (Editors and Authors). MedLife Future Education, 1992.

THYROCARDIOTOXIC EMBOLIC SYNDROME,"

Southern Medical Journal, Vol. 82, Num. 10, October 1989.

Haynes, J.H. and Kaegler, W.V.

RESEARCH EXPERIENCE

2017	M. Phillips, PhD, J. Haynes MD, MSc, M. Cardenas, MS, et.al (2017). The influence of acute exercise before and after 12 weeks exercise training, on cellular modulators of atherosclerotic plaque formation and cardiovascular disease risk in overweight –obese women aged 55-75 yr. Department Of Kinesiology, Texas Christian University,
2013-2015	Enhancing safety at the bedside using a novel device to organize cords, tubes, cables and wires - The Janaband pilot study, Tarrant County Hospital District Critical Care
2010-2012	Haynes, J. & Petrovich, J. (2012). Evaluation of directions home supportive housing and the use of critical service systems: JPS Health Network Data. (Unpublished technical report). John Peter Smith Health Network and Texas Christian University, Fort Worth, Texas. All other data: Directions Home and Petrovich, J. TCU (2012).
2009	Relationship between the Tarrant County Unemployment Rate and JP S Connection Enrollment. Regional Employment Influence on Indigent Medical Care in a Tax Supported County Hospital Haynes, J. Rives, T
2000	Merck Research Laboratories - Rofecoxib- Placebo-controlled in low back pain.
1998	Novum CRC/Dupont Pharmaceuticals - A double-blind, placebo-controlled, parallel group study to study and treat chronic bronchitis.
1993	Glaxo, Inc. – Imitrex study, a double-blind, placebo-controlled, parallel group study to assess a nasal drug to treat migraine headaches.
1992	Rhone-Poulenc Rorer Pharmaceutical Corporation — A double-blind, randomized, comparative, multicenter study of Sparfloxacin vs. Cefaclor in the treatment of community-acquired Pneumonia.
1992	Abbott - A double blind, placebo-controlled study to assess Sparfloxacin vs. Biaxin in the treatment of acute bacterial maxillary sinusitis.
1991	Pfizer - A double-blind, placebo-controlled study to assess Fluconazole against systemic and vaginal candidiasis.

ACADEMIC CURRICULUM VITAE - JOHNNY J. HE

Home Address:	Work Address:
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413 Borders Court

Southlake, TX 76092

(817) 488-3582 (H)

(817) 881-2691 (C)

Fort Worth, TX 76107

(817) 735-2642

johnny.he@unthsc.edu

Date and Place of Birth: April 2, 1965, Sichuan, P. R. China

Citizenship: US citizen (Naturalized in 2002, Chinese citizenship until 2001)

Marital status: Married to Ying Liu, M.D. Associate Professor; Daughters: Jane and

Victoria; Sons: Jack and Victor

Employment:

2011-now	Associated Dean for Biomedical Education and Research, Graduate School of
	Biomedical Sciences, University of North Texas Health Science Center
2016-now	Professor (tenured), Institute for Molecular Medicine, University of North
	Texas Health Science Center
2011-2016	Professor (tenured), Department of Cell Biology and Immunology, Graduate
	School of Biomedical Sciences, University of North Texas Health Science
	Center
2012-2013:	Interim Chair, Department of Molecular Biology and Immunology, Graduate
	School of Biomedical Sciences, University of North Texas Health Science
	Center
2007-2011	Professor (tenured), Department of Microbiology and Immunology, Indiana
	University School of Medicine
2005-2011	Director, Center for AIDS Research, Indiana University
2006-2011	Member, Stark Neurosciences Research Institute, Indiana University School of
	Medicine
2003-2006	Associate Professor (tenured), Department of Microbiology and immunology,
	Indiana University School of Medicine
2003-2011	Member, Center for Immunobiology, Indiana University School of Medicine
1997-2002	Assistant Professor, Department of Microbiology and Immunology, Indiana
	University School of Medicine
1997-2009	Member, Walther Oncology Center, Walther Cancer Institute, Indiana
	University School of Medicine
1995-1997	Research Associate, Dana Farber Cancer Institute, Harvard Medical School,
1994-1995	Research Fellow, Aaron Diamond AIDS Research Center, New York University
	•

1990-1994	Research Associate, Department of Biology, New York University
1988-1989	Research Associate, Bureau of State Land Management, Chengdu, China
1986-1988	Research Associate, China Agricultural University, Beijing, China
1983-1986	Research Assistant, Sichuan Agricultural Academy, Chengdu, China

Education and Training:

5/95-9/97: Harvard Medical School, Boston, MA

Postdoctoral Fellow in Molecular Virology

Advisor: Dana Gabuzda, M.D.

Department of Cancer Immunology and AIDS

Dana Farber Cancer Institute Harvard Medical School

7/94-4/95: Rockefeller University, New York, NY

Postdoctoral Fellow in Molecular Virology

Advisor: Ned Landau, Ph.D.

Aaron Diamond AIDS Research Center

Rockefeller University

4/94-6/94: New York University, New York, NY

Postdoctoral Fellow in Molecular Biology

Advisor: Philip Furmanski, Ph.D.

Department of Biology

Graduate School of Arts and Sciences

9/90-3/94: New York University, New York, NY

Ph.D. in Molecular Biology Advisor: Philip Furmanski, Ph.D.

Department of Biology

Graduate School of Arts and Sciences

9/90-5/93: New York University, New York, NY

Master of Science in Molecular Biology

Advisor: Philip Furmanski, Ph.D.

Department of Biology

Graduate School of Arts and Sciences

9/86-12/88: China Agricultural University, Beijing, China

Master of Science in Microbiology

Advisor: Lian-Zhou Liu, Ph.D.

Department of Microbiology and Plant Nutrition

9/79-7/83: Southwestern University of Science and Technology, Sichuan, China
Bachelor of Science in Biochemistry
Department of Biological Sciences
College of Biological Sciences

Honors and Awards:

- 2016: Fellows (Designated Future Leaders), University of North Texas Health Science Center
- 2011: Guest Editor, Cell Signaling and Anti-HIV Therapeutics, a special issue of *Journal of Neuroimmune Pharmacology* (2011)
- 2011: Patent "Extracts of medicinal plant and uses thereof" (PCT/US2010/043542), which was licensed by Indiana University to Konina Biopharma LLC., Indiana, IN and Konina Biotechologies Inc., Chengdu, China for commercial development.
- 2010: The Esther L. Kinsley Ph.D. Dissertation Award to Jorge Henao-Meija, one of my Ph.D. students (2010) This is the highest honor that Indiana University offers to recognize the graduating students for their outstanding dissertation research and training at Indiana University
- 2010: Outstanding Overseas Young Chinese Scholar Award (2010), National Science Foundation, China
- 2009: Finalist, NIH Avante Garde Innovative award
- 2009: Dean Forum, Peking University School of Basic Medical Sciences, China
- 2008: Excellence in Community Service, Chinese National Society on Drug Dependence and Chinese National Society of Toxicology, China
- 2008: Bill & Melinda Gates Foundation Grand Challenge Explorations Phase I Award
- 2008: Finalist, NIH Avante Garde Innovative award
- 2003: Dean's Leadership Forum, Indiana University School of Medicine
- 2002: Visiting Scientist, FASEB
- 2002: Showalter Research Award, Ralph W. and Grace M. Showalter Research Trust

1999: Showalter Research Award, Ralph W. and Grace M. Showalter Research Trust

1998: Biomedical Research Award, Indiana University School of Medicine

1990-1994: Graduate Fellowship, New York University

1995-1997: National Research Service Award, National Institutes of Health

1994: Best Dissertation Award, New York University

1988: Best Thesis Award, China Agricultural University, Beijing, China

1983: Best Graduate Award, Southwestern University of Science and Technology, China

Teaching Experience:

I have taught graduate students and medical students in the classroom setting with more than 860-hour lectures over the last 18-year academic career. The subjects include *Fundamentals in Molecular Biology, Virology,* and *Microbiology*. I have continued to be actively involved in in-classroom teaching for the past six years of my Associate Dean tenure.

2016-: Core Course Director, Fundamentals of Biomedical Sciences Core Courses: *BMSC 6201, 6202, 6203, & 6204*, Graduate School of Biomedical Sciences,

University of North Texas Health Science Center

2011-2015: Core Course Director, Integrated Biomedical Sciences I, II & III: Molecular Cell

Biology (BMSC 6302), Biochemistry (BMSC 6301), Microbiology and Immunology (BMSC 6305), Integrative Physiology (BMSC 6303), Pharmacology and Neurosciences (BMSC 6304), Graduate School of Biomedical Sciences University of North Texas Health Science Center

2011-now: Lecturer, Grant Writing (both to graduate students and junior Faculty),

University of North Texas Health Science Center

2011-2015: Lecturer, Introduction to Faculty Research, University of North Texas Health

Science Center

2011-2015: Course Director and Lecturer, Scientific Communications, Graduate School of

Biomedical Sciences, University of North Texas Health Science Center

1999-2011: Course Director and Lecturer, Virology, Department of Microbiology &

	Immunology, Indiana University School of Medicine	
2005-2011:	Course Director and Lecturer, <i>Microbial Pathogenesis</i> , Department of Microbiology & Immunology, Indiana University School of Medicine	
2007-2011:	Course Director and Lecturer, Fundamental Concepts of Infection and Pathogenesis, Department of Microbiology & Immunology, Indiana University School of Medicine	
2007-2011:	Lecturer, <i>Neoplastic Determinants</i> , Department of Microbiology & Immunology, Indiana University School of Medicine	
2009-2011:	Course Director and Lecturer, <i>Molecular Genetics of Microorganisms</i> , Department of Microbiology & Immunology, Indiana University School of Medicine	
2010-2011:	Lecturer, Medical Microbiology, Indiana University School of Medicine	
2003-2009:	Lecturer, Fundamentals in Molecular Biology, Indiana University School of Medicine	
1998-2002:	Facilitator, Concepts in Health and Diseases (Problem-Based Learning for medical students), Indiana University School of Medicine	
1998-1999:	Co-course Director, <i>Molecular Genetics of Microorganisms</i> , Department of Microbiology & Immunology, Indiana University School of Medicine	
1997-1998:	Lecturer, <i>Virology</i> , Department of Microbiology & Immunology, Indiana University School of Medicine	
1993-1994:	Teaching Assistant, Anatomy, New York University	
1990-1992:	Teaching Assistant, Biology, New York University	
University Committee Service:		
2016-now:	President's Council for Research, University of North Texas Health Science Center	
2011-now:	Executive Leadership Team, Graduate School of Biomedical Sciences, University of North Texas Health Science Center	
2011-now:	Graduate Council Member, Graduate School of Biomedical Sciences,	

University of North Texas Health Science Center

2011-now:	Graduate Admission Committee (Chair), Graduate School of Biomedical Sciences, University of North Texas Health Science Center
2011-now:	Health Disparity Conference organization Committee (Co-Chair), University of North Texas Health Science Center
2011-now:	Research Appreciate Day (RAD) Executive Committee, University of North Texas Health Science Center
2011-now:	Student Conduct and Disciplinary Committee, University of North Texas Health Science Center
2011-now:	STEM Education and Outreach Committee, University of North Texas Health Science Center
2012-now:	Research Advisory Council, University of North Texas Health Science Center
2012-now:	Seed Grant Review Committee (Chair), University of North Texas Health Science Center
2012-2014:	May Kay Grant Review Committee (Chair), University of North Texas Health Science Center
2014-now:	Student Leadership Academy Mentor, University of North Texas Health Science Center
2016-now:	ASPIRE Leadership Program Coach, University of North Texas Health Science Center
2017-now:	Fellows Leadership Program Coach, University of North Texas Health Science Center
2011-2013:	Cohen Excellence in Research Award Committee (Chair), Graduate School of Biomedical Sciences, University of North Texas Health Science Center
2011-2015:	Faculty Search Committee (Chair), Department of Cell Biology and Immunology, University of North Texas Health Science Center
2011-2013:	President Strategic Thinking Council – Academic Affairs, University of North Texas Health Science Center
2011-2014:	Faculty Profile Committee, University of North Texas Health Science Center

2011-2014:	Outstanding Faculty Presidential Award Committee (chair), University of North Texas Health Science Center
2015:	Executive Director for Leadership Development Search Committee, University of North Texas Health Science Center
2012:	Vice President for Research Search Committee, University of North Texas Health Science Center
2012:	Dean of School of Health Professions Search Committee, University of North Texas Health Science Center
2011-2013:	Faculty Search Committee (Chair), Department of Forensic and Investigative Genetics, University of North Texas Health Science Center
1997-2011:	Graduate Admission Committee, Indiana University School of Medicine
1997-2011:	Graduate Admission Committee- International Sub-committee, Indiana University School of Medicine
1997-2011:	Ph.D./M.D. Admission Committee, Indiana University School of Medicine
1997-2011:	Graduate Recruitment Committee (Chair), Department of Microbiology & Immunology, Indiana University School of Medicine
2001-2011:	Faculty Recruitment Committee, Department of Microbiology & Immunology, Indiana University School of Medicine
2007-2009:	Virologist Recruitment Committee (Chair), Center For AIDS Research, Indiana University School of Medicine
1999-2008:	Biomedical Research Review Committee (Chair), Indiana University School of Medicine
2003-2011:	<i>Institutional Animal Use and Care Committee,</i> Indiana University School of Medicine
2005-2011:	Institutional Biosafety Committee, Indiana University School of Medicine
1997-2011:	Institutional Intellectual Property Review Committee, Indiana University School of Medicine
2003-2004:	Esther L. Kinsley Ph.D. Dissertation Award Committee (Chair), Department of Microbiology & Immunology, Indiana University School of Medicine
2007-2011:	Promotion & Tenure Committee (Chair), Department of Microbiology & Immunology, Indiana University School of Medicine.

2011: Infectious Diseases Division Chief Search Committee, Indiana University

School of Medicine.

2010: Faculty Search Committee (Chair), Department of Microbiology &

Immunology, Indiana University School of Medicine

National Committee Service:

2017-now: President-Elect, Society for Neuroimmnue Pharmacology

2010-now: External Scientific Advisory Board, University of California School of Medicine

San Diego

2015-now: National Research Mentoring Network Mentor, National Institutes of Health

2014-now: Harold Amos Medical Faculty Development Program National Advisory

Committee and Mentors, Robert Wood Johnson Foundation

2012-now: Summer Research Training Committee and Mentors for Asian Americans and

Pacific Islanders on Biomedical and Behavioral Sciences (high school and

college students)

2011-2015: Education Subcommittee Chair, Biomedical Workforce Task Workgroup on

Asian Americans and Pacific Islanders, National Institutes of Health

2010-2014: External Scientific Advisory Board, University of Hawaii, John A. Burn School of

Medicine

2013: National Hispanic Mentoring Steering Committee, National Institutes of

Health

2003-2005: External Scientific Advisory Board, Centers of Biomedical Research Excellence,

Ponce School of Medicine, University of Puerto Rico

2002-2003: Scientific Consultant, Eli Lilly Laboratories, Indianapolis, IN

1999-2001: Scientific Consultant, Abbott Laboratories, Chicago, IL

Ph.D. Student Dissertation Advisory Committee Service:

1997-2000: Dissertation Advisory Committee, Ph.D. candidate Shuli Zhang, Department

	of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Hal Broxmeyer)
1997-2002:	Dissertation Advisory Committee, Ph.D. candidate Yonghao Hou, Department of Biochemistry and Molecular Biology, Indiana University School of Medicine (Mentor: Dr. Robert Hromas)
2000-2004:	Dissertation Advisory Committee (Chair), Ph.D. candidate Betty Zhou, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He)
2000-2005:	Dissertation Advisory Committee, Ph.D. candidate Sungyoo Cho, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Randy Brutkweicz)
2003-2008:	Dissertation Advisory Committee, Ph.D. candidate Njeri Mania, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Arun Srivastava)
2004-2008:	Dissertation Advisory Committee, Ph.D. student, Jeff Altenberg, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Ghalib Alkhatib)
2004-2008:	Dissertation Advisory Committee (Chair), Ph.D. student, Wei Zou, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He)
2004-2009:	Dissertation Advisory Committee, Ph.D. student, Nan Wang, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Janice Blum)
2004-2010:	Dissertation Advisory Committee, Ph.D. student, Lisa Barrow, Department of Microbiology & Immunology (Mentor: Dr. Ann Roman)
2006-2009:	Dissertation Advisory Committee, Ph.D. student, Javier Rivera-Guzman, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Lou Pelus)
2006-2009:	Dissertation Advisory Committee (Chair), Ph.D. student, Jorge Henao-Mejia, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He)
2007-2010:	Dissertation Advisory Committee (Chair), Ph.D. student, Linden Ann Green, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He)
2007-2011:	Dissertation Advisory Committee (Chair), Ph.D. student, Weina Zhou, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He)

2007-2011: Dissertation Advisory Committee, Ph.D. student, Yue Melody Xue, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Mary Dinauer) 2008-2010: Dissertation Advisory Committee (Chair), Ph.D. student, Jinfeng Liu, Department of Microbiology & Immunology, Indiana University School of Medicine (co-Mentor: Dr. Johnny He, with Xian Jiaotong University School of Medicine, China) 2008-2011: Dissertation Advisory Committee, Ph.D. student, Ying Liu, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Laura Haneline) 2009-2011: Dissertation Advisory Committee, Ph.D. student, Daniel Byrd, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Andy Yu) 2009-2011: Dissertation Advisory Committee (Chair), Ph.D. student, Fang Zhao, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He) 2009-2011: Dissertation Advisory Committee, Ph.D. student, Asyllin Grantham, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Andy Yu) 2009-2014: Dissertation Advisory Committee (Chair), Ph.D. student, Ziqing Liu, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He) Dissertation Advisory Committee, Ph.D. student, Xue Wu, Department of 2010-2011: Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Evin Scotisky) 2010-2011: Dissertation Advisory Committee (Chair), Ph.D. student, Ting Wang, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He) 2010-2011: Dissertation Advisory Committee (Chair), Ph.D. student, Concerta Holley, Department of Microbiology & Immunology, Indiana University School of Medicine (Mentor: Dr. Johnny He) 2010-2012: Dissertation Advisory Committee (Chair), Ph.D. student, Guozhen Gao, Department of Cell Biology and Anatomy, University of North Texas Health

	Science Center (Mentor: Dr. Johnny He)
2011-2012:	Dissertation Advisory Committee (Chair), Ph.D. student, YiChun Chen, Department of Cell Biology and Anatomy, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2011-2012:	Dissertation Advisory Committee (Chair), Ph.D. student, Mingfeng He, Department of Cell Biology and Anatomy, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2010-2015:	Dissertation Committee (Chair), Ph.D. student, Xiaoyu Luo, Department of Cell Biology and Anatomy, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2012-2015:	Dissertation Advisory Committee, Ph.D. student, Akram Sidhu, University of North Texas Health Science Center (Mentor, Dr. Natalie Sumien)
2012-2015:	Dissertation Advisory Committee, Ph.D. student, Mary Mize, University of North Texas Health Science Center (Mentor: Dr. Arthur Eisenberg)
2011-2016:	Dissertation Advisory Committee (Chair), Ph.D. student, Pejman Rahimian, Department of Cell Biology and Anatomy, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2012-2014:	Dissertation Advisory Committee (Chair), Ph.D. student, Humberto Hernandez, Department of Cell Biology and Immunology, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2011-2016:	Dissertation Advisory Committee (Chair), Ph.D. student, Amanda Whitmill, Department of Cell Biology and Anatomy, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2012-2016:	Dissertation Advisory Committee (Chair), Ph.D. student, Yan Fan, Department of Cell Biology and Immunology, University of North Texas Health Science Center (Mentor: Dr. Johnny He)
2012-now:	Dissertation Advisory Committee, Ph.D. student, Xavier Aranda, University of North Texas Health Science Center
2012-now:	Dissertation Advisory Committee, Ph.D. student, Sarah Schmedes, University of North Texas Health Science Center (Mentor: Dr. Bruce Budowle)
2015-now:	Dissertation Advisory Committee (Chair), Ph.D. student, Kelly Wilson, Department of Cell Biology and Immunology, University of North Texas

Health Science Center (Mentor: Dr. Johnny He)

2016-now: Dissertation Advisory Committee (Chair), Ph.D. student, Kazi Afreen,

Department of Cell Biology and Immunology, University of North Texas

Health Science Center (Mentor: Dr. Johnny He)

2016-now: Dissertation Advisory Committee (Chair), Ph.D. student, Suresh Kandel,

Department of Cell Biology and Immunology, University of North Texas

Health Science Center (Mentor: Dr. Johnny He)

Professional Society Memberships:

1997-Now: American Society of Microbiology

2000-now: Genetic Society of America

2002-now: American Society of Biochemistry and Molecular Biology

2002-now: Federation of American Societies for Experimental Biology

2002-now: International Society for NeuroVirology

2009-now: Society on Neuroimmue Pharmacology

2011-now: American Society of Virology

2011-now: Council of Graduate School Deans

2014-now: Council of Chinese American Presidents and Deans

2016-now: Society for Neuroscience

Publications:

Impact factors (IF) of publications (n=101): 4 (>25 IF), 3 (15-25 IF), 3 (10-15 IF), 6 (7.5-10 IF), 51 (4-7.5 IF) and 34 (<4 IF). **Citations:** 5,385

- 1. Fan, Y., Lentendre, S., Chen, S., Zhang, F., Jia, B., and He, J. J. (2017) Glial fibrilliary acidic protein in the cerebrospinal fluid as a HIV/neuroAIDS biomarker (submitted).
- 2. Zhao, F., Liu, Z., Ranjith-Kumar, C. T., Kao, C., and He, J. J. (2017) Two lethal mutations in the Hepatitis C Virus NS5B protein are critical for RNA-dependent

- RNA polymerase activity (submitted).
- 3. Zhang, X. and He, J. J. (2017) Lipopolysaccharide stimulation enhance Hepatitis C Virus infection of microglia (submitted).
- 4. Timani, K. A, Liu, Y. and He, J. J. (2017) Tip110 regulation of NF-kB activity by targeting USP15-mediated IkB-a protein stability (submitted).
- 5. Gao, G., Zhao, W., Guo, D. and He, J. J. (2017) Regulation of HIV-1 alternative splicing by the RNA-binding protein Sam68 (submitted).
- Green, L.A., Park, I-W, Y. Fan, Henao-Mejia, J. and He, J. J. (2017) HIV-1 Nef facilitates virological synapse (VS) formation and enhances VS-mediated infection and transmission (Revised for PLOS ONE).
- 7. Zhao, W., Liu, Y., and **He, J. J.** (2017) Tip110 Interacts with hnRNAP A1 and regulates HIV-1 mRNA alternative splicing (Revised for Journal of Virology).
- 8. Liu, Y., Timani, K. A., Whitmill, A., Zhang, X., Broxmeyer H. E., **He, J. J.** (2017) Self-regulation of Tip110 expression through preferential usage of the proximal polyadenylation site within its 3' untranslated region (Revised for Molecular and Cellular Biology).
- 9. Zhao, F., Liu, Y., Vaughan, R., Kao, C., Ho, W., Hefferon, K., and **He, J. J.** (2017) A single amino acid change from Leu to Pro at position 491 of hepatitis C virus non-structural protein 3 (HCV NS3) impairs NS3 helicase/NTPase activities and abrogates HCV replication (Revised for Journal of General Virology).
- 10. Whitmill, A., Liu, Y., Timani, K. A. and **He, J. J.** (2017) Tip110 knockout led to embryonic lethality and impaired embryonic stem cell self-renewal and survival through down-regulation of stem cell factors Nanog, Oct4, and Sox2. <u>Stem Cells</u> (in press).
- 11. Fan, Y., Gao, X., Chen, J., Liu, Y. and **He, J. J.** (2016) HIV-1 Tat impaired neurogenesis through functioning as a Notch ligand and activation of Notch signaling pathway. Journal of Neuroscience 36:11362-11373.
- 12. Rahimian, P. and **He, J. J.** (2016) HIV-1 Tat shortened neurite outgrowth through regulation of microRNA-132 and its target gene expression. <u>Journal of Neuroinflammation</u> 13:247.
- 13. Fan Y. and **He, J. J.** (2016) HIV-1 Tat induces unfolded protein response and endoplasmic reticulum stress in astrocytes and causes neurotoxicity through GFAP activation and aggregation. <u>Journal of Biological Chemistry</u>. 291:28819-28829.

- 14. Fan Y. and **He, J.J.** (2016) HIV-1 Tat promotes lysosomal exocytosis in astrocytes and contributes to astrocyte-mediated Tat neurotoxicity. <u>Journal of Biological Chemistry</u>. 291:28830-28840.
- 15. Rahimian, P. and **He, J. J.** (2016) Exosome-associated release, uptake and neurotoxicity of HIV-1 Tat protein. Journal of Neurovirology, 6:774-788.
- 16. Pyeon, D, Timani, K.A., Gulraiz, F, **He, J.J.**, Park, I. W. (2016) Function of ubiquitin (Ub) specific protease 15 (USP15) in HIV-1 replication and viral protein degradation. Virus Research. 223:161-9.
- 17. Liu, Y., **He, J. J.** (2016) Role of Tip110 in the regulation of hematopoiesis. <u>Current Opinions in Hematology</u>. 23:325-30.
- 18. Whitmill, A., Kahlid, A. T., Liu, Y., **He, J. J.** (2016) Tip110: Physical properties, primary structures, and biological functions. Life Sciences. 149:79-95.
- 19. Rahimian, P. and **He, J. J.** (2016) HIV/neuroAIDS biomarkers. <u>Progress in Neurobiology</u>, 2016 Apr 12. pii: S0301-0082(15)30104-0. doi: 10.1016/j.pneurobio.2016.04.003. [Epub ahead of print].
- 20. Zou, W. and **He, J. J.** (2016) Small Rodent Models for Studies of in vivo Functions of HIV-1 Nef. AIDS Reviews (in press).
- 21. Luo, X., He, J. J. (2015) Cell-cell contact viral transfer contributes to HIV infection and persistence in astrocytes. Journal of Neurovirology. 21:66-80.
- 22. Fields, J., Dumaop, W., Elueteri, S., Trejo, M., Kosberg, K., Adame, A., Spencer, B., Rockenstein, E., **He, J. J.** and Masliah, E., (2015) HIV-1 Tat alters neuronal autophagy by modulating autophagosome fusion to the lysosome: implications for HIV-associated neurocognitive disorders. Journal of Neuroscience. 35:1921-38.
- 23. Fan, Y., Timani, K. A., He, J. J. (2015) STAT3 and its phosphorylation are involved in HIV-1 Tat-induced GFAP expression. <u>Current HIV Research</u>. 13:55-63.
- 24. Luo, X., Fan, Y., Park, I. W., **He, J. J** (2015) Exosomes are less likely involved in intercellular Nef transfer. <u>PLoS ONE</u>. 10:e124436.
- 25. Fields, J., Dumaop, W., Crews, L., Adame, A., Spencer, B., Metcalf, J., **He, J. J.**, Rockenstein, E., and Masliah E. (2015) Mechanisms of HIV-1 Tat Neurotoxicity via CDK5 Translocation and Hyper-Activation: Role in HIV-Associated Neurocognitive Disorders. <u>Current HIV Research.</u> 13:43-54.

- 26. Timani, K. A., Liu, Y., Fan, Y., Mohammad, K. S., **He, J. J.** (2015) Tip110 regulates the cross-talk between p53 and HIF-1a under hypoxia and its role to the survival of cancer cells. Molecular and Cellular Biology 35:2254-64.
- 27. Liu, Y., Huang, X., Timani, K. A., Broxmeyer, H. E., and **He, J. J.** (2015) miR-124 targets Tip110 and regulates hematopoiesis. <u>Stem Cells and Development</u> 2015 May 11. [Epub ahead of print].
- 28. Visalli, R. J., Ziobrowski, H., Badri, K. R., **He, J. J.**, Zhang, X., Arumugam, S. R., Zhao H. (2015) Ionic derivatives of betulinic acid exhibit antiviral activity against herpes simplex virus type-2 (HSV-2), but not HIV-1 reverse transcriptase. <u>Bioorganic & Medicinal Chemistry Letters</u> 25:3168-71.
- 29. Fields, J., Dumaop, W., Eleuteri, S., Campos, S., Serger, E., Trejo, M., Kosberg, K., Adame, A., Spencer, B., Rockenstein, E., **He, J. J.**, Masliah, E. (2015) HIV-1 Tat alters neuronal autophagy by modulating autophagosome fusion to the lysosome: implications for HIV-associated neurocognitive disorders. <u>Journal of Neuroscience</u>. 35:1921-38.
- 30. Wang, T., Chen, G., Liu, Y., Song, X., Han, C and **He, J. J.** (2015) Inhibition of HIV-1 Replication by Traditional Chinese Medicinal Herbal Extracts. <u>Journal of Antivirals</u> and Antiretrovials 7:76-82.
- 31. Liu, Y., Liu, J., Wang, Z and **He, J. J.** (2015) Tip110 binding to U6 small nuclear RNA and its participation in pre-mRNA splicing. Cell & Bioscience 5:40-52.
- 32. Zhao, W., Liu, Y., and **He, J. J.** (2014) Tip110 Interacts with RNAPII and Regulates Tat-mediated LTR Transcription. Journal of Biological Chemistry. 289:190-202.
- 33. Liu, Z., Zhao, F. and **He, J.J.** (2014) Hepatitis C Virus (HCV) interaction with astrocytes: non-productive infection and induction of IL-18. <u>Journal of Neuroviology</u>. 20:278-293.
- 34. Park, IW, Fan, Y., Ryou, M.G., Liu, J., Green, L.A. and **He, J.J.** (2014) HIV-1 Nef is transferred from expressing T cells to hepatocytes through conduits and enhances HCV replication <u>PLoS ONE</u>. 9:e99545.
- 35. Paris, J. J., Carey, A. N., Shay, C. F., Gomes, S., M., **He, J. J.** and McLaughlin, J. P. (2014) Effects of conditional central expression of HIV-1 Tat protein to potentiate cocaine-mediated psychostimulation and reward among male mice. Neuropsychopharmacology. 39:380-388.
- 36. Timani KA, Liu Y, Suvannasankha A, **He, J. J.** (2014) Regulation of ubiquitinproteasome system-mediated Tip110 protein degradation by USP15. Int J Biochem

- Cell Biol. 54C:10-19.
- 37. Bagashev A, Mukerjee R, Santerre M, Del Carpio-Cano FE, Shrestha J, Wang Y, **He, J. J**, Sawaya BE. (2014) Involvement of miR-196a in HIV-associated neurocognitive disorders. Apoptosis. 19:1202-14.
- 38. Al-Harthi L, Buch S, Geiger JD, Gendelman HE, **He, J.J**, Jordan-Sciutto KL, Kolson DL, Rappaport J, Roy S, Zheng J, Fox HS (2014). Cellular Interactions and Signaling in neuroAIDS: Emerging Issues Colloquium. J Neuroimmune Pharmacol. 9:269-76.
- 39. Timani, K. A., Liu, Y., Suvannasankha, A., **He, J. J.** (2014) Regulation of ubiquitin-proteasome system-mediated Tip110 proteindegradation by USP15. <u>International</u> Journal of Biochemistry & Cell Biology. 54:10-19.
- 40. Park, I. W., Fan, Y., Luo, X., Ryou M-G., Liu, J., Green, L., **He, J. J.** (2014) HIV-1 Nef Is Transferred from Expressing T Cells to Hepatocytic Cells through Conduits and Enhances HCV Replication. PLoS ONE. 9(6): e99545.
- 41. Liu, Z., Zhang, X., Yu, Q., **He, J. J.** (2014) Exosome-associated hepatitis C virus in cell cultures and patient plasma. <u>Biochemical and Biophysical Research Communications</u>. 455: 218-222.
- 42. Ndjomou, J., Park, I-W, Liu^r Y., Wang, M., Kao, C.C., Ridgway, N. D., and **He, J. J.** (2013) Inhibition of HCV replication by oxysterol binding protein-related protein 4 (ORP4) through alteration of HCV NS5B membrane localization. <u>PLoS ONE</u> 8: e75648.
- 43. Gao, G., Wu, X., Zhou, J., He, M., He, J. J., and Guo, D. (2013) Inhibition of HIV-1 Transcription and Replication by a Newly Identified Cyclin T1 Splice Variant. Journal of Biological Chemistry 288:14297-14309.
- 44. Park, IW and **He, J. J.** (2013) HIV-1 Nef-mediated T-cell activation and chemotaxis are decoupled using a HIV-1/SIVpbj1.9. chimeric nef variant. <u>Archives of Virology</u> 158:845-852.
- 45. Timani, K., Liu, Y., and **He, J. J.** (2013) Tip110 interacts with YB-1 and regulates each other's function. <u>BMC Molecular Biology</u> 14:14.
- 46. Liu, Z., and **He, J. J.** (2013) Cell-Cell Contact-Mediated Hepatitis C Virus (HCV) Transfer, Productive Infection, and Replication and Their Requirement for HCV Receptors. Journal of Virology 87:8545-8558.
- 47. Liu., Y, Timani, K., Ou, X., Broxmeyer, H.E., **He, J. J.** (2013) C-MYC controlled TIP110 protein expression regulates OCT4 mRNA splicing in human embryonic

- stem cells. Stem Cells Dev. 22:689-694.
- 48. Carey, A. N., Shay, C. F., Gomes, S. M., **He, J. J.** and McLaughlin, J. P. (2012) HIV-1 Tat protein expression in mouse brain potentiates the behavioral psychostimulant effects of cocaine. <u>Journal of Neuroscience</u> 43:112-129.
- 49. Liu Y, Lee MR, Timani K, He JJ, **Broxmeyer HE** (2012) Tip110 Maintains Expression of Pluripotent Factors in and Pluripotency of Human Embryonic Stem Cells. <u>Stem</u> Cells Dev. 21:829-33.
- 50. Amet, T., Ghabril, M., Chalasani, N., Byrd, D., Hu, N., Grantham, A., Liu, Z., Qin, X., **He, J. J.** and Yu, Q. (2012) CD59 Incorporation Protects Hepatitis C Virus Against Complement-Mediated Destruction. Hepatology 55:354-63..
- 51. Liu, J., Henao-Mejia, H., Liu, H., Zhao, Y., and **He, J. J.** (2011) Translational regulation of HIV-1 replication by HIV-1 Rev cellular cofactors Sam68, eIF5A, hRIP, and DDX3. Journal of Neuroimmune Pharmacology 6: 308-321.
- 52. **He, J. J.** (2011) Cell signaling pathways and HIV-1 therapeutics. <u>Journal of Neuroimmune Pharmacology</u> 6: 173-176.
- 53. Liu, Y., Timani, K., Mantel, C., Fan, Y., Hangoc, G., Cooper, S., **He, J. J.** and Broxmeyer, H. E. (2011) Tip110/p110nrb/SART3/p110 regulation of hematopoiesis through c-Myc. <u>Blood</u> 117:5643-51.
- 54. Chang JR, Mukerjee R, Bagashev A, Del Valle L, Chabrashvili T, Hawkins BJ, **He JJ**, Sawaya BE. HIV-1 Tat protein promotes neuronal dysfunction through disruption of microRNAs. Journal of Biological Chemistry. 2011 Nov 25;286(47):41125-34.
- 55. Zou, W., Wang, Z., Fan. Y. Zhou, B. Y., Yu' J., Adamson, E.D. and **He, J.J.** (2010) Involvement of p300 in constitutive and HIV-1 Tat-activated expression of glial fibrillary acidic protein in astrocytes. <u>Glia</u> 58:1640-1648.
- 56. Fan. Y. and **He, J.J.** (2010) Activation of Egr-1 Expression in Astrocytes by HIV-1 Tat: New Insights into Astrocyte-Mediated Tat Neurotoxicity. <u>Journal of Neuroimmune Pharmacology</u> 6: 121-129.
- 57. Park, I-W and **He, J. J.** (2010) HIV-1 is budded from CD4+ T lymphocytes independently of exosomes. Virology Journal 7:234.
- 58. Henao-Meijer, J., Liu, Y., Park, I-W., Zhang, J., Sanford, J. and **He, J. J.** (2009) Suppression of HIV-1 Nef expression by Sam68 mutant-induced stress granules and nef mRNA sequestration. Molecular Cell 33:87-96.

- 59. Giunta, B., Hou, H., Zhu, Y., Rrapo E., Tian, J., Takashi, M., Commins, D., Singer, E., **He, J. J.**, Fernandez, F. and Tan, J. (2009) HIV-1 Tat Contributes to Alzheimer's Disease-like Pathology in PSAPP Mice. <u>International Journal of Clinical and Experimental Patholology</u> 2:433-43.
- 60. Green, L.A. and **He, J.J.** (2009) Inhibition of HIV-1 Infection and Replication by Enhancing Viral Incorporation of Innate Anti-HIV-1 Protein A3G: a Non-pathogenic Nef Mutant-based Anti-HIV Strategy. <u>Journal of Biological Chemistry</u> 284:13363-13372.
- 61. **He, J.J.**, Henao-Mejia, J., Liu, Y. (2009) Sam68 Functions in Nuclear Export and Translation of HIV-1 RNA. RNA Biology 6:384-286.
- 62. Park, I-W, Han, C., Song, X., Green L. A., Wang T., Liu, Y., Cen, C., Song, X., Wang, T., Chen, G. and **He, J.J.** (2009) Inhibition of HIV-1 Entry by Extracts Derived from Traditional Chinese Medicinal Herbal Plants. <u>BMC Complementary and Alternative</u> Medicine 2009, 9:29.
- 63. Park, I-W and **He, J.J.** (2009) HIV-1 Nef-mediated inhibition of T cell migration and its molecular determinants. Journal of Leukocyte Biology 86:1771-1778.
- 64. Henao-Mejia, J and **He, J.J.** (2009) Sam68 recruitment into stress granules in response to oxidative stress through complexing with TIA-1. Experimental Cell Research 315:3381-3395.
- 65. Park, I-W., Ndjomou J., Fan Y., Henao-Mejia, J., and **He, J.J.** (2009) Hepatitis C Virus Infection is Restricted at both Entry and Replication in Hepatocytes of Murine origin <u>Biochemical and Biophysical Research Communications</u> 387:489-93
- 66. Ndjomou, J., Park, I-W., Liu, Y., Mayo, L.D. and He, J.J. (2009) Up-regulation of HCV gene expression, replication, and production by inhibition of the mitogenactivated protein/extracellular signal-regulated kinase (MEK)/ERK signaling. <u>PLoS</u> ONE e4:7498.
- 67. Zhang, P., Skurnik, M., Zhang, S.S., Schwartz, O., Kalyanasundaram, R., Bulgheresi, S., **He, J. J.**, Klena, J. D., Hinnebusch, B.J., Chen, T. (2008) Human dendritic cell-specific intercellular adhesion molecule -grabbing nonintegrin (CD209) is a receptor for Yersinia pestis that promotes phagocytosis by dendritic cells. Infection and Immunity 76:2070-9
- 68. Ndjomou, J., Liu, Y., O'Molley, J., Ericsson and **He, J. J.** (2007) Development and characterization of a recombinant cDNA-based hepatitis C virus system. Biochemical and Biophysical Research Communications 359:57-62.

- 69. Zou, W., , Kim, B. O., Zhou, B. Y., Liu, Y., Messing A. and **He, J. J.** (2007) Protection against HIV-1 Tat neurotoxicity by *Ginkgo biloba* extract EGb 761 involving glial fibrillary acidic protein. American Journal of Pathology 171:1923-1935.
- Zhang, P., Schwartz, O., Pantelic, M., Li, G., Knazze, Q., Chang, H., Nobile, C., He, J. J., Hong, S. H., Klena, J. and Chen, T. (2006) Limited Recognition of *Neisseria gonorrhoeae* by DC-SIGN (CD209) is Achieved by Lipooligosaccharide Variation. <u>Journal of Leukocyte Biology</u> 79:731-8.
- 71. Zhang, P., Snyder, S., Feng, P., Azadi, P., Zhang, S., Bulgheresi, S., Sanderson, K. E., **He, J. J.**, Klena, J. and Chen, T. (2006) Role of *N*-Acetylglucosamine within Core Lipopolysaccharide of Several Species of Gram-Negative Bacteria in Targeting the DC-SIGN (CD209). Journal of Immunology 177:4002-4011.
- 72. Zhang, J., Li, G., Bafica, A., Pantelic, M., Zhang, P., Blum, J., Broxmeyer, H. E., Wetzler, L., **He, J. J.,** and Chen, T. (2005) *Neisseria gonorrhoeae* enhances the infection of dendritic cells by human immunodeficiency virus type 1. <u>Journal of Immunology</u> 174:7995-8002.
- 73. Cho, S., Knox, K.S., Kohli, L.M., **He, J. J.,** Exley, M.A., and Brutkiewicz, R.R. (2005) Impaired cell surface expression of human CD1d by the formation of an HIV-1 Nef/CD1d complex. Virology 337:242-252.
- 74. López-Herrera, A., Liu, Y., Rugeles, M. T. and **He, J. J.** (2005) HIV-1 interaction with human mannose receptor (hMR) induces production of matrix metalloproteinase 2 (MMP-2) through hMR-mediated intracellular signaling in astrocytes. <u>Biochimica et Biophysica Acta</u> (BBA) Molecular Basis of Disease 1741:55-64.
- 75. Zhang, J., Liu, Y., Henao, J., Rugeles, M. T., Li, J., and **He, J. J.** (2005) Identification of a novel domain of Sam68 for inhibition of human immunodeficiency virus type 1 replication by Sam68 mutants lacking a nuclear localization signal. <u>Gene</u> 363:67-76.
- Liu, Y., Liu, H., Kim, B. O., Nath, A., Li, J., Blum, J., and He, J. J. (2004) CD4-independent infection of astrocytes by human immunodeficiency virus type 1 (HIV-1): Requirement for the human mannose receptor. <u>Journal of Virology</u> 78:4121-4133.
- 77. Kim, B. O., Liu, Y., Zhou, B., and **He, J. J.** (2004) Induction of C chemokine XCL1 (lymphotactin/SCM-1α/ATAC) expression by human immunodeficiency virus type 1 (HIV-1) Tat protein. Journal of Immunology 172:1888-1895.
- 78. Zhou, B. Y. and He, J. J. (2004) Proliferation inhibition of astrocytes, neurons, and

- non-glial cells by intracellularly expressed human immunodeficiency virus type 1 (HIV-1) Tat protein. Neuroscience Letters 359:155-158.
- 79. Liu, Y., Kim, B. O., Kao, C-H., Jung C-Y., Dalton J. T., and **He, J. J.** (2004) Tip110, a potent repressor of androgen-dependent androgen receptor-mediated gene transactivation. Journal of Biological Chemistry 279:21766-73.
- 80. Zhou, B. Y., Liu, Y., Kim, B. O., Xiao, Y., and **He, J. J.** (2004) Astrocyte activation and dysfunction and neuron death by HIV-1 Tat expression in astrocytes. <u>Molecular and</u> Cellular Neuroscience 27:296-305.
- 81. Kim, B. O., Liu, Y., Xu, Z. C., Ruan, Y., Schantz, L., and **He, J. J.** (2003) Tat-induced neuropathy in transgenic mice expressing HIV-1 Tat protein under the regulation of astrocyte-specific GFAP and doxycycline inducible promoter and doxycycline. American Journal of Pathology 162:1693-1707.
- 82. Li, J., Liu, Y., Park, I.W., and **He, J. J.** (2002) Expression of exogenous Sam68, the 68 kDa Src-associated protein in mitosis, is able to alleviate impaired Rev function in astrocytes. Journal of Virology 76:4526-4535.
- 83. Liu, Y., Li, J., Kim B.O., Pace B.S., and **He, J. J.** (2002) HIV-1 Tat protein-mediated transactivation of the HIV-1 LTR promoter is potentiated by a novel nuclear Tatinteracting protein of 110 kDa, Tip110. <u>Journal of Biological Chemistry</u> 277:23854-23863.
- 84. Kim, O. H., Liu, Y. and **He, J. J.** (2002) Homo sapiens lymphotactin (LTN) gene, promoter region and partial sequence. AY170619 *GenBank* National Center for Biotechnology Information and National Library of Medicine and National Institutes of Health.
- 85. Li, J., Liu, Y., Kim, B. O., and **He, J. J.** (2002) Direct participation of Sam68, the 68 kDa Src-associated protein in mitosis in CRM1-mediated Rev nuclear export pathway. <u>Journal of Virology</u> 76:1-11.
- 86. Cotter, R.B., Zheng, J., Che, M., Neiman, D., Liu, Y., **He, J. J.,** Thomas, E., and Gendelman H.E. (2001) Regulation of HIV-1 infection, β-chemokine production, and CCR5 expression in CD40L-stimulated macrophages: Immune control of viral entry. <u>Journal of Virology</u> 75:4308-4320.
- 87. Liu, Y. and **He, J. J.** (2001) Homo sapiens KIAA0156 isoform mRNA, complete cds. AF387506 <u>GenBank</u> National Center for Biotechnology Information and National Library of Medicine and National Institutes of Health.
- 88. Liu, Y., Li, J.-L. and He, J. J. (2000) Homo sapiens GTP-binding protein RAB3A

- mRNA, complete cds. AF254795 <u>GenBank</u> National Center for Biotechnology Information and National Library of Medicine and National Institutes of Health.
- 89. Liu, Y., Jones, M., Huntington, C.E., Bu, G., Laribee, N., Moir, R., Tanzi, R., Nath, A., and **He, J. J.** (2000) Uptake of HIV-1 Tat protein mediated by low-density lipoprotein receptor-related protein disrupts the neuronal metabolic balance of the receptor ligands. Nature Medicine 6:1380-1387.
- 90. Ohagen, A., Ghosh, S., **He, J.**, Huang, K., Chen, Y., Yuan, M., Osathanondh, R., Gartner, S., Shi, B., Shaw, G., and Gabuzda, D. (1999) Apoptosis induced by infection of primary brain cultures with diverse HIV-1 isolates: evidence for a role of the envelope. Journal of Virology 73:897-906.
- 91. Ritchie, A., Braun S.E., **He, J. J.** and Broxmeyer H.E. (1999) Thrombopoitin-induced conformational change in p53 lies downstream of the p44/p42 mitogen activated protein kinase cascade in the human growth factor-dependent cell line M07e. Oncogene 18:1465-77.
- 92. Gabuzda, D., **He, J.**, Ohagen A., and Vallat, A.V. (1998) Chemokine receptors in HIV-1 infection of the central nervous system. <u>Seminars in Immunology</u> 10:203-213.
- 93. Vallat, A.V., DeGirolami, U., **He, J.**, Mhashilkar, A., Marasco, W., Shi, B., Gray, F., Bell, J., Keohane, C., Smith, T.W., and Gabuzda, D. (1998) Localization of HIV-1 co receptors CCR5 and CXCR4 in the brain of children with AIDS. <u>American Journal of Pathology</u> 152:167-178.
- 94. **He, J.**, DeCastro, C.M., Vandenbark, G.R., Busciglio, J. And Gabuzda, D. (1997) Astrocyte apoptosis induced by HIV-1 transactivation of the c-kit proto-oncogene. Proceedings of National Academy of Sciences USA 94:3954-3959.
- 95. **He, J.**, Chen, Y., Fazan, M., Choe, H., Ohagen, A., Gartner, S., Busciglio, J., Yang, X., Hofmann, W., Newman, W., Mackay, C.R., Sodroski, J., and Gabuzda, D. (1997) CCR3 and CCR5 are co-receptor for HIV-1 infection of microglia. <u>Nature</u> 385:645-649.
- 96. Shi, B., DeGirolami, U., **He, J.**, Wang, S., Busciglio, J., Lorenzo, A., and Gabuzda, D. (1996) Apoptosis induced by HIV-1 infection of the central nervous system. <u>Journal of Clinical Investigation</u> 98:1979-90.
- 97. Furmanski, P., **He, J. J.**, Li, Y., Bezault, J., Bhimani, H., and Ho, K.F. (1996): Functional significance of the binding of lactoferrin to DNA. In <u>Lactoferrin:</u> Interactions And Biological Functions. p313-332, ed. by T.W. Hutchens and B.

- Lonnerdal, Human Press Inc., Totowa, NJ.
- 98. **He, J.** and Landau, N.R. (1995) Construction and use of a novel human immunodeficiency virus type 1 reporter virus expressing human placental alkaline phosphatase to detect an alternate viral receptor. <u>Journal of Virology</u> 69: 4785-92.
- 99. **He, J.** and Furmanski, P. (1995): Sequence specificity and transcriptional activation in the binding of lactoferrin to DNA. Nature 373:721-724.
- 100. **He, J.**, Choe, S., Walker, R., DiMarzio, P., Morgan, D.O., and Landau, N.R. (1995) Human immunodeficiency virus type 1 viral protein R (Vpr) arrests cells in the G2 phase of the cell cycle by inhibiting p34cdc2 activity. <u>Journal of Virology</u> 69:6705-11.
- 101. Li, Y., **He, J.**, and Furmanski, P. (1994): Iron-induced conformational change in human lactoferrin: demonstrated by SDS-polyacrylamide gel electrophoresis and analysis of effects of iron-binding to N and C lobes of the molecule. <u>Electrophoresis</u> 15:244-250.
- 102. **He, J.**, Zhou, S. and Liu, L. (1989): Transformation of ammonia sulfate pulp-making wastes in wheat-growing soils and its effect on wheat protein content and soil nitrogen-supplying status. Journal of Beijing Agricultural University 6:18-25.
- 103. **He, J. J.,** Zhiu, P., Huang, S., Yuan, H. and Shen, Y. (1989): <u>Plant-Microbe Interaction</u>: <u>Molecular and Genetic Perspectives</u>. (Vol. 1, ed. by Tsune K. And Eugene W. N., 1987). House of Sciences, China (book translated from English to Chinese).
- 104. **He, J. J.**, Lin, H., Li, L. and Shen, Y. (1991): <u>Principles and Practices of Rice Production</u> (By Datta D. K., 1986). House of Sciences, China (book translated from English to Chinese).
- 105. **He, J.** and Sien, W. (1986): Application of ammonia sulfate pulp-making wastes as fertilizers and its effects on the quality of ground water. <u>Journal of Soil Science</u> 4:46-54.
- 106. **He, J.** and Wang, X. (1984): Effects of applications of ammonia sulfate pulp-making wastes on microbiological activity and organic matter transformation in soils. <u>Progress in Soil Science</u> 4:18-27.

Invited presentations/meetings (national and International):

1. Department of Psychiatry, University of California San Diego, November 2016

- 2. Department of Neurosciences, Temple University, November 2016
- 3. Optimizing Animal Models for Evolving HAND Phenotypes and CNS Reservoirs Research, National Institutes of Health, Toronto, Oct. 2016
- 4. The 14th International Symposium on NeuroVirology, Toronto, Oct. 2016
- 5. National University of Singapore Department of Biochemistry and Cancer Center, Singapore, May 2016
- 6. The 18th International Conference on HIV Medicine, Bangkok, Thailand, Jan. 2016
- 7. The 13th International Symposium on NeuroVirology (Chair, HIV infection of Astrocytes Symposium), San Diego, Jun. 2015
- 8. The 4th Asian-Pacific Society for Alcohol and Addiction Research/the 5th International Drug Abuse Research Society Conference, Sydney, Australia, August 2015
- 9. University of Hong Kong, AIDS Institute, June 2015
- 10. Hainan Normal University, Haikou, China, June 2015
- 11. Northwest University, College of Life Sciences, June 2015
- 12. Xi'an Jiaotong University, College of Medicine, the First Affiliated Hospital, June 2015
- 13. Florida International University, College of Medicine, Dr. Herbert and Nicole Wertheim Leadership in Healthcare and Medicine Lectureship, Nov. 2015
- 14. The 20th SNIP Scientific Conference, New Orleans, LA, Feb. 2014
- 15. Department of Pathology and Laboratory Medicine, Temple University, June 2014
- 16. International Conference on Aging and Disease (2014 ICAD). Beijing, China, Nov. 2014
- 17. The 2nd Annual Society for Personalized Nano-Medicine Symposium, Miami, FL, Jan. 2015
- 18. The 21st SNIP Scientific Conference, New Orleans, LA, Organized and Chair "HIV/HCV co-infection and the CNS" Symposium, Feb. 2014
- 19. University of Texas Austin School of Biological Sciences, Feb. 2013

- 20. International Conference on Global Health: Prevention and Treatment of Substance Use Disorders and HIV" on April 17-19, 2013, in Taipei, Taiwan (declined).
- 21. The 14th SCBA International Symposium, Xi'an, China, July 2013 (declined).
- 22. Symposium on Cellular Organelles and Cell Fate in HIV and NeuroAIDS Emerging Issues, Omaha, Nebraska, May 2013
- 23. The 12th International Symposium on NeuroVirology and 2012 Conference on HIV in the Nervous System, Washington DC, Jun. 2013
- 24. The 19th SNIP Scientific Conference, San Juan, Puerto Rico, April 2013
- 25. College of Medicine, Texas Tech University, El Paso, December 2013
- 26. Translational Methamphetamine AIDS Research Center, University of California San Diego, February 9th, 2012
- 27. The 18th SNIP Scientific Conference, Hawaii, HI, April 24-28th, 2012
- 28. Department of Medicine and Queens Hospital, University of Hawaii John A. Burns School of Medicine, May 1st, 2012
- 29. The 11th International Symposium on NeuroVirology and 2012 Conference on HIV in the Nervous System, New York, NY, May 29th- June 2nd, 2012
- 30. The Neuroscience Consortium Cutting-Edge Symposium: HIV/NeuroAIDS Treatment and Prevention beyond HAART: Thinking outside the Box, NIDA, Bethesda, MD, June 18, 2012
- 31. Department of Molecular Virology, Baylor College of Medicine, April 2012
- 32. Department of Cell Biology and Anatomy, University of North Texas Health Science Center, January 2011
- 33. Translational Methamphetamine AIDS Research Center, University of California San Diego, February 2011
- 34. Animal Models for NeuroAIDS A Research Symposium, Omaha, Nebraska, March 2011
- 35. UFR de medicine, Université François Rabelais, Tours, France, March 2011

- 36. Department of Psychiatry, University of California San Diego, June 2011
- 37. Department of Microbiology and Immunology, George Mason University, September 2011
- 38. The 17th SNIP Scientific Conference, Clearwater Beach, FL, April 5-10, 2011
- 39. HIV Neurobehavioral Research Center, University of California San Diego, June 22th-23rd, 2011
- 40. The 4th International Symposium on Modern Virology and the 2nd Sino-French Conference on Infectious Diseases, Wuhan, China, Oct. 19-22, 2011
- 41. Department of Neurology, Johns Hopkins University, February 2010.
- 42. Department of Neuroscience, Temple University, May 2010
- 43. Sino-US symposium on clinical and translational research, Beijing, June 2010
- 44. Sichuan University College of Basic Medical Sciences, Chengdu, June 2010
- 45. Drexel University Pennsylvania Biotechnology Center, August 2010
- 46. Indiana University College of Arts and Sciences, Bloomington, September 2010
- 47. Department of Internal Medicine & Pharmacology and Toxicology, University of Louisville, October 2010
- 48. The 10th International Symposium on NeuroVirology, October, 2010
- 49. Department of Public Health, University of Hawaii, December 2010
- 50. International Conference on Molecular Medicine, Chennai, India, January 2009
- 51. The 16th Conference on Retroviruses and Opportunistic Infections, Montreal, Canada, Feb. 2009
- 52. Department of Neurology, Johns Hopkins University, Baltimore, Feb. 2009
- 53. Center for Disease Prevention and Control, Sichuan, China, Feb. 2009
- 54. Department of Pharmacology and Neurosciences, University of Nebraska Medical Center, March, 2009
- 55. The 15th Society on NeuroImmune Pharmacology Conference, Wuhan, China, April 2009

- 56. College of Life Sciences, Wuhan University, April 2009
- 57. College of Chemical Industrial and Engineering, Hainan Normal University, April 2009
- 58. School of Basic Medical Sciences, Peking University, April 2009
- 59. International Institute of Neuroimmune Pharmacology Inauguration, College of Medicine, Florida International University, May 2009
- 60. The 9th International Symposium on Neurovirology, Miami, June 2009
- 61. The 2nd International Conference on Translational Research, Peking Union Medical College, Beijing, January 2008
- 62. Department of Pharmacology and Toxicology, University of Missouri at Kansas City, March 2008
- 63. Department of Biology, Seton Hall University, New Jersey, April 2008
- 64. Sun Yet-Sen University School of Medicine and the 3rd Hospital, Guangzhou, China, August 2008
- 65. Sino-US symposium in drug abuse and HIV/HCV co-morbidity (organizer), Xi'an, China, October 21-25, 2008
- 66. Society for Neuroscience 2008, Washington DC, November 18-21, 2008
- 67. Frontiers in Addiction Research NIDA Mini convention, Washington DC 14-15, 2008
- 68. HIV minisymposium in honor of Dr. Gene Shearer's 70th birthday, May 2007
- 69. The 8th International Symposium on Positive Strand RNA Viruses, May 2007
- 70. Institute of Infectious Diseases, Zhongshan University, Guangzhou, September 2007
- 71. The First affiliated Hospital, Xi'an Jiaotong University, Xi'an, September 2007
- 72. Xi'an Jiaotong University Medical College, Xi'an, September 2007
- 73. Hainan University, Haikou, September 2007
- 74. Indiana University School of Medicine, October 2007
- 75. Department of Microbiology and Immunology, Rush University, Chicago, April 2006
- 76. HIV pre-clinical clinical therapeutics research workgroup meeting, National Institute of Mental Health National Institutes of Health (NIMH/NIH), May 2006.
- 77. 7th International Conference on Neurovirology, May 2006, Philadelphia (speaker

- and chair one of the scientific sessions).
- 78. Department of Neurology, Johns Hopkins University School of Medicine, May 2005
- 79. Neurobiology of HIV, psychiatric and substance abuse comorbidity workgroup meeting, National Institute on Drug Abuse National Institutes of Health (NIDA/NIH), December, 2005.
- 80. Cutting Edge Seminar Series, National Institute on Drug Abuse 30 years, National Institute on Drug Abuse, Jul., 2004
- 81. National Association of Allergy, Asthma, and Immunology, Colombia, May 2003
- 82. 5th International Conference on Neurovirology, September 2003, Baltimore (speaker and chair one of the scientific sessions).
- 83. International Conference on Ginkgo Extract and Mental Disorders, Berlin, Germany, October 2002
- 84. Pacific Biomedical Research Institute, University of Hawaii, Honolulu, November 2002
- 85. Division of Infectious Diseases, Indiana University School of Medicine, September 2001
- 86. Division of Infectious Diseases, Indiana University School of Medicine, May 2000
- 87. Neuroscience of HIV infection 2000, Edinburgh, United Kingdom, June, 2000
- 88. Biotechnology Symposium, Beijing, China, December, 2000
- 89. Division of Infectious Diseases, Indiana University School of Medicine, February, 1999
- 90. Department of Pediatrics, University of Chicago, March, 1999
- 91. 3rd NeuroAIDS Conference, National Institute of Mental Health and National Institute of Neurologic Disorders and Stroke, Washington D.C., April, 1999.
- 92. Northwest Medical Center, Indiana University, April, 1999

Administrative Leadership Training and Development:

1. Organizational Leadership in Academic Medicine: An Executive Development

- Workshop for Associate Deans and Department Chairs, sponsored by AAMC, Denver, Colorado, September 16-19, 2016
- Fellows 2016 (Designated Future Leaders, focused on general leadership development for a five-hour monthly session for 10 months), University of North Texas Health Science Center
- Leadership 125 Institute (ongoing leadership development, focus on organizational cultures and management), 2012 - now, University of North Texas Health Science Center
- 4. Chinese Council of Deans and Presidents forum 2015 on Mentoring and Engagement, Cambridge, MA, October 21-23rd, 2016
- 5. Council of Graduate Schools Summer Workshop and New Deans Institute, St. Augustine, GA, July 11-15, 2016
- 6. Council of Graduate Schools Annual Meeting, Seattle, WA, December 2-5th, 2015
- 7. Council of Graduate Schools Summer Workshop and New Deans Institute, Quebec City, Canada, July 11-15, 2015
- 8. Chinese Council of Deans and Presidents forum 2015 on Leadership Pathways, Houston, TX, October 16-18th, 2015
- Group on Research Advancement and Development (GRAND) Spring Conference: Creating the future of the biomedical research enterprise, Washington DC, March 25-27, 2015
- 10. Council of Graduate Schools Summer Workshop and New Deans Institute, Portland, OR, July 12-16th, 2014
- 11. Chinese Council of Deans and Presidents forum 2015 on Fundraising and Academic Leadership, Chicago, IL, October 10-12th, 2014
- 12. Council of Graduate Schools Annual Meeting, Washington DC, December 3-6th, 2014
- 13. Council of Graduate Schools Annual Meeting, San Diego, CA, December 4-7th, 2013
- 14. Group on Research Advancement and Development (GRAND) and Group on Graduate Research and Education Training (GREAT) Joint Annual Meeting, Nashville, TN, September 20-22nd, 2012

15. Council of Graduate Schools Summer Workshop and New Deans Institute, Boston, MA, July 7-11th, 2012

Student/Postdoctoral Mentoring:

I have trained and mentored high school (6), undergraduate (16), graduate (17 PhD) and postdoc (16), junior faculty and above levels (6) in my laboratory, and a number of short-term rotation students. A majority of my PhD students have successfully moved onto postdoc and faculty positions at premier academic institutions including Penn, UCSF, Columbia, Mt. Sinai, UNC-Chapel Hill, UCLA, and UT Southwestern. My teaching and mentoring philosophy is very simple: "to teach/mentor is to inspire", namely to inspire students to acquire competencies in basic and advanced scientific knowledge with emphases on development of higher order of thinking, and professional and technical skills.

Graduate Students:

- 1. Ph.D. candidate, Ying Zhou (02/00-03/04, Associate Professor, UCLA)
- 2. Ph.D. candidate, Wei Zou (04/04 -02/08, Professor, Jiangxia University, China)
- 3. Ph.D. candidate Weipeng Jiang (11/05-03/07, Professor, Sichuan University)
- 4. Ph.D. candidate, Jorge Henao (04/06-09/09, Assistant Professor, University of Pennsylvania)
- 5. M.S./Ph.D. candidate, Tina Wang (02/07-08/10, postdoc at Stanford)
- 6. Ph.D. candidate, Linden Horten (07/06-11/10, Postdoc at IU)
- 7. Ph.D. candidate, Weina Zhao (05/07-02/11, Research Scientist, Eli Lilly)
- 8. Ph.D. candidate, Jinfeng Liu (joint mentored, 02/08- 11/10, Professor, Xian Jiaotong University School of Medicine, China)
- 9. Ph.D. candidate, Fang Zhao (09/09-08/11, Professor, Shenzhen University, China)
- 10. Ph.D. candidate, Guozhen Gao (jointly mentored, 02/10-07/12, postdoc at MD Anderson, Texas)
- 11. Ph.D. candidate, Ziqing Liu (04/09-08/2013, postdoc at University of North Carolina at Chapel Hill)

- 12. Ph.D. candidate, Yichun Chen (jointly mentored, 09/11-03/12, postdoc at Mayo Clinic)
- 13. Ph.D. candidate, Mingfeng He (joint mentored, 07/11-03/12, postdoc at Sichuan University, China)
- 14. Ph.D. candidate, Xiaoyu Luo (05/10-12/14, postdoc at University of California San Francisco and Gladstone Institute of Immunology and Microbiology)
- 15. Ph.D. candidate, Pejman Rahimian (05/11-05/2016, postdoc at UT Southwestern Medical Center)
- 16. Ph.D. candidate, Amanda Whitmill (05/11-05/2016, postdoc at UT Southwestern Medical Center)
- 17. Ph.D. candidate, Yan Fan (05/12-05/2016, postdoc at UT Southwestern Medical Center)
- 18. Ph.D. candidate, Kelly Wilson (05/15-)

Postdoctoral Fellows:

- 1. Cynthia Hingtgen, Ph.D./M.D. (02/98-01/99, Professor, Indiana University)
- 2. Jinliang Li, Ph.D. (09/98-09/01, Research Scientist, City of Hope, LA)
- 3. Hao Liu, M.D. (07/00- 02/01, Professor, Xian Jiaotong University, China) Byung-oh Kim, Ph.D. (11/99-12/02, Professor, Sanju National University, Korea)
- 4. Yan Xiao, M.D. (04/03-06/04, Associate Professor, Indiana University Kokomo)
- 5. Jizhong Zhang, Ph.D. (08/02-10/04, Assistant Professor, Indiana University)
- 6. Albeiro Lopez, D.V.M. (02/03-04/04, Professor, University of Colombia)
- 7. Zhenyun Wang, Ph.D. (10/05-10/06, Professor, Xian Jiatong University, China)

- 8. Liwen Wang, M.D. (05/06- 02/07, Senior Scientist, ProAb Biotech, Canada)
- 9. Oscar David Cano, M.D. (07/07-04/08, Research Associate, Indiana University School of Medicine)
- 10. Jean Ndjomou, Ph.D. (02/03-11/08, Instructor, Yale School of Medicine)
- 11. Wei Zhang, Ph.D. (01/2012-02/2013, Professor, Wuhan Institute of Virology, Chinese Academy of Sciences, China)
- 12. Ying Liu, M.D. (12/97-08/2011, Associate Professor research track, UNTHSC)
- 13. Khalid Timani, Ph.D. (10/07-08/2011, Assistant Professor research track, UNTHSC)
- 14. In-Woo Park, Ph.D. (09/07-08/2011, Associate Professor, UNTHSC)
- 15. Xiugen Zhang, Ph.D. (11/01/2012-10/31/2014, Research Scientist, CDC)
- 16. Yinghua Liu, Ph.D./M.D. (09/16/15-)

Graduate candidates (Short-term rotation):

- Ph.D. candidate, Samatha Ciccone (1998)
- Ph.D. candidate, Ying Zhou (1999)
- Ph.D. candidate, Qing Yu (1999-2001)
- Ph.D. candidate, Marcus Fields (1999)
- Ph.D./M.D. candidate, Njeri Mania (2000)
- Ph.D. candidate, Brian Pondenis (2001-2003)
- Ph.D./M.D. candidate, John O'Malley (2001)
- Ph.D. candidate, Tina Sumpter (2002)
- Ph.D. candidate, Wei Zou (2003)
- Ph.D. candidate, Jeffrey Altenburg (2003)
- Ph.D. candidate, Tammi Taylor (2004)
- Ph.D. candidate, Lisa Barrow (2005)
- M.D. candidate, Brett Jagger (2005)
- Ph.D. candidate, Linden Horten (2006)
- Ph.D. candidate, Jorge Henao (2006)
- Ph.D. candidate, Weina Zhao (2006)
- Ph.D. candidate, Hoa Nyngen (2007)
- Ph.D. candidate, Kristin Hollister (2007)

Ph.D. candidate, Soyoung Park (2008)

Ph.D. candidate, Ziqing Liu (2009)

Ph.D. candidate, Kristin Stilger (2009)

Ph.D. candidate, Ayslinn Grantham (2010)

Ph.D. candidate, Concerta Holley (2010-2011)

Ph.D. candidate, Xiaoyu Luo (2010)

Ph.D. candidate, Steven Messina-Graham (2011)

Ph.D. candidate, Manuel Martinez (2011)

Ph.D. candidate, Kati McNamee (2010-2011)

Ph.D. candidate, Abhirami Kyler (2011)

Ph.D. candidate, Pejman Rahimian (2012)

Ph.D. candidate, Amanda Whitmill (2012)

Ph.D. candidate, Yan Fan (2013)

Ph.D. candidate, Sagar Shelake (2013)

Ph.D. candidate, Brain Wong (2013)

Ph.D. candidate, Amber Fairley (2014)

Ph.D. candidate, Trinh Nguyen (2014)

Ph.D. candidate, Humberto Hernandez (2013-2014)

Ph.D. candidate, Kelly Wilson (2015)

Ph.D. candidate, Kazi Afreen (2016)

Ph.D. candidate, Rachel Thomas (2016)

Ph.D. candidate, Suresh Kendal (2016)

Summer Students or Minority Students:

Nikkie Larssee, M.S. (minority, 2001)

Shelton Allison, M.S (minority, 2002)

Monique Gugyinn, B.S. (minority, 2003)

Ulric Bigby, B.S (minority, 2006)

Erin Hallar, M.S. (2005-2006)

Kurt Qing, high School (2005)

Mary Byrley, high school (2005)

Lisa Gao, high school (2006)

Jason Turner, B.S. (2007)

Sameul Martinez, B.S. (2008)

Busayo Arojah, M.S. (2009)

Zenas Shi, high school (2010)

Heng He, MS (2011)

Hershel Rege (2012)

Kishan Shrikanth (2013)

Allie Wei (2014)

Leslie Gonzalez (2016)

Bobby Randhawa (2016)

Consulting and Reviewing:

Journal Editorial Boards:

2009-now: Associate Editor - Journal of Neurovirology

2007-now: **Editorial Board** - Virus Research and Therapy

2009-now: Associate Editor - Journal of Neuroimmune Pharmacology

2011-now: Editorial Board - Antimicrobial Agents and Chemotherapy

2014-now: **Academic Editor** – PLoS ONE

2014-now: Editorial Board – Journal of Neuroinflammation

Journal ad hoc reviewer:

Antimicrobial Agents and Chemotherapy

AIDS Research and Therapy

AIDS Research and Human Retroviruses

American Journal of Pathology

Biochemical Pharmacology

Biomedical Central Cell Biology

Biomedical Central Neurosciences

Blood

Brain

Cell

Cellular Immunology

Clinical and Diagnostic Laboratory Immunology

Critical reviews in Neurobiology

Current HIV Research

FEBS Journal

International Journal of general Medicine

Journal of Neurochemistry

Journal of Virological Methods

Journal of Biological Chemistry

Journal of Cerebral Blood Flow and Metabolism

Journal of Histochemistry and Cytochemistry

Journal of Infectious Diseases

Journal of Leukocyte Biology

Journal of Neuroimmune Pharmacology

Journal of Neuroscience Research Journal

of Neurovirology

Journal of Pharmacology and Experimental Therapeutics Journal of

Virology

Journal of Zhejiang University Sciences

Leukemia

Molecular and Cellular Biology

Molecular and Cellular Neuroscience

Molecular Biology of the Cell Molecular

Cell

Molecular Therapy

Nature

Nature Medicine

Nature Communication

Neuroinformatics

Neuroscience Neurotoxicity

Research Neuroscience

Letters Nutrition

Oncogene

Pharmacology, Biochemistry and Behavior

Science

Scientific Report

The Proceedings of National Academy of Sciences United Stated of America

Recent Patents on Anti-Infective Drug Discovery

Protein Science

Vaccines Virology

Virus Research

Grant Reviews (National and international funding agencies):

1999-2007: Biomedical Research Award Review Committee, Indiana

University School of Medicine

Oct. 2004: AIDS and oral-related malignancies Special Emphasis Panel,

National Institutes of Health

Nov. 2004: NeuroAIDS and other end-organ diseases Special Emphasis

Panel (NAED-AARR5), National Institutes of Health

Mar. 2005 NeuroAIDS and other end-organ diseases Special Emphasis

Panel (NAED-AARR5), National Institutes of Health

Jul. 2005 Ad hoc AIDS Molecular and Cellular Biology Study Section

(AMCB-AARR1), National Institutes of Health

Jul. 2005 NeuroAIDS and other end-organ diseases Special Emphasis

Panel (NAED-AARR5), National Institutes of Health

Nov. 2005	Ad hoc NeuroAIDS and other end-organ diseases (NAED-AARR5), National Institutes of Health
Mar. 2006	Ad hoc AIDS Molecular and Cellular Biology Study Section (AMCB-AARR1), National Institutes of Health
Mar. 2006	Ad hoc NeuroAIDS and other end-organ diseases (NAED-AARR5), National Institutes of Health
Jul. 2006	Ad hoc NeuroAIDS and other end-organ diseases (NAED-AARR5), National Institutes of Health
Nov. 2006	Mentoring programs to diversify HIV/AIDS workforce Special Emphasis Panel, National Institutes of Health
Nov. 2007	Special Emphasis Panel on Mechanisms of HIV Neuropathogenesis: Emerging Domestic and Global Issues, National Institute of Mental Health
Dec. 2007-	Scientific Committee on U.S. Civilian Research & Development Foundation (CRDF)
July 2008	National Institute on Alcohol Abuse and Alcoholism Special Emphasis Panel on the Impact of Alcohol Use and HAART on Liver Injury in HIV/HCV AIDS
Nov. 2008	National Institute of Mental Health Special Emphasis Panel on Novel Neuroaids Therapies: Integrated Preclinical/ Clinical Program (IPCP)
Mar. 2008-	Ad hoc, Changjiang Scholar Program, Ministry of Education, the People of Republic China
July 2009	National Institutes of Health Center for Scientific Review Special Emphasis Panel on Recovery Act Funding
Aug. 2009	National Institutes of Health Center for Scientific Review Special Emphasis Panel on HIV/NeuroAIDS Program Projects
Jan. 2009-	Career Development Award Panel, Medical Research Council, United Kingdom

Oct. 2010	National Institute of Dental and Craniofacial Research Special Emphasis Panel on Interdisciplinary Research on Oral Manifestations of HIV/AIDS in Vulnerable Populations (P01)
Mar. 2010	NIH Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS
Mar. 2010	NIH Novel NeuroAIDS Therapies: Integrated Preclinical/ Clinical Program (IPCP)
May 2010	NIH Recovery Act Limited Competition: NIH Director's Opportunity for Research in Five Thematic Areas (RC4)
Jul. 2010	NIH HIV-induced neuropathogenesis using proteomics methodologies (P20)
Mar. 2011	03/11: NIH Viral and Host Genetic Factors Regulating HIV-Associated CNS Disease
Apr. 2011	NIH Martin Delaney Collaboratory: Towards an HIV-1 Cure (U19)
Jul. 2007-June	2011 Chartered member on NeuroAIDS and other end-organ diseases (NAED-AARR5), National Institutes of Health
Oct. 2011	NIH R13 Scientific Conference Grants Review Panel
Nov. 2011	NIH Beyond HAART: Innovative Therapies to Control HIV-1 (P01)
Nov. 2011	NIH Special Emphasis Panel on NeuroAIDS and other end-organ diseases
Nov. 2011	NIH Special Emphasis Panel on International Research in Infectious Diseases including AIDS (IRIDA)
Mar. 2012	NIH Special Emphasis Panel on NeuroAIDS and other end-organ diseases (NEAD)
April 2012	IAS-NIDA Fellowships Review Committee, International AIDS Society
Mar. 2012	NIH Special Emphasis Panel on Loan Payment Program (LRP)
April 2012	NIH Special Emphasis Panel on AIDS Molecular and Cellular Biology (AMCB)

Oct. 2012	HIV/AIDS and Infectious Diseases Grant Review, Hong Kong Government, China
Nov. 2012	NIH Special Emphasis Panel on AIDS Discovery and Development of Therapeutics (ADDT)
Nov. 2012	NIH Special Emphasis Panel on NeuroAIDS and other end-organ diseases (NEAD)
Jan. 2013	NIH Special Emphasis Panel on U.SChina Program for Biomedical Collaborative Research on HIV/AIDS (R01) (Chair)
Feb. 2013	NIH Special Emphasis Panel on U.SChina Program for Biomedical Collaborative Research on non-HIV/AIDS (R01 - Chair)
Feb. 2013	NIH Special Emphasis Panel on advancing exceptional research in HIV/AIDS (R01 - Chair)
Mar. 2013	NIH Special Emphasis Panel on the Interplay of Substance Abuse & HIV-1 Infection on Glial Cell Function
April 2013	NIH Special Emphasis Panel on Specialized Neuroscience Research Program (SNRP) (U54)
April 2013	NIH Special Emphasis Panel on Loan Payment Program (LRP)
Nov. 2013	NIH Special Emphasis Panel on Eradication of HIV-1 from CNS Reservoirs: Implication for Therapeutics
Jan. 2014	NIH Special Emphasis Panel on Centers for AIDS Research (CFAR) and Developmental Centers for AIDS Research (dCFAR)
Feb. 2014	NIH Special Emphasis Panel on Co-morbid HIV, Chronic Pain, and Substance Abuse Among Older Adults (R21)
Mar. 2014	NIH Special Emphasis Panel on AIDS-Associated Opportunistic Infections and Cancer Study Section (AOIC)
Apr. 2014	NIH Special Emphasis Panel on Loan Repay Programs (LRP)
Jun. 2014	NIH Special Emphasis Panel on Grant Review Workshop (to EIS, aka ODHD Research Development Seminar Series)

Nov. 2014	NIH Special Emphasis Panel on Centers for AIDS Research (CFAR) and Developmental Centers for AIDS Research (dCFAR)
Nov. 2014	NIH Special Emphasis Panel on MULTIDISCIPLINARY STUDIES OF HIV AND VIRAL HEPATITIS COINFECTION (R01/R21)
Nov. 2014	NIH Special Emphasis Panel on Co-morbid HIV, Chronic Pain, and Substance Abuse Among Older Adults (R21)
Jan. 2015	NIH Special Emphasis Panel on Avenir Award Program for Research on Substance Abuse and HIV/AIDS (DP2)
Apr. 2015	NIH Special Emphasis Panel on MULTIDISCIPLINARY STUDIES OF HIV AND VIRAL HEPATITIS COINFECTION (R01/R21 - Chair)
Apr. 2015	NIH Special Emphasis Panel on Loan Payment Program (LRP)
Apr. 2015	Ad hoc reviewer for National Science Foundation, Poland
Apr. 2015	Biomedical Research Grant Review, Hong Kong Government, China
Apr. 2015	Ad hoc reviewer for Harold Amos Medical Faculty Development Program, sponsored by the Robert Wood Johnson Foundation
Jun. 2015	NIH Special emphasis panel on NIH/NIDA K99/R00: Pathways to Independence Award
Jul. 2015	Ad hoc reviewer for COBRE program of University of North Dakota Medical School
Sep. 2015	NIDA/NIH Special Emphasis Panel: Avante Garde Award
Oct. 2015	NIH/NIDA Special Emphasis Panel on Advancing Exceptional Research on HIV/AIDS and Substance Abuse (R01)
Nov. 2015	Ad hoc reviewer for Medical Research Council, United kingdom
Dec. 2015	NIH/NIMH Special Emphasis Panel on AIDS Research Center on Mental Health and HIV/AIDS (P30)
Feb. 2016	Special Emphasis Panel on NIH/NIDA K99/R00: Pathways to Independence Award (Chair)

Mar. 2016	Special Emphasis Panel on Center of Excellence Grant Program (P30) and Research Center of Excellence Grant Program (P50), NIH/NIDA
Apr. 2016	NIH Special Emphasis Panel on MULTIDISCIPLINARY STUDIES OF HIV AND VIRAL HEPATITIS COINFECTION (Chair)
Jun. 2016	Special Emphasis Panel on NIH/NIMH K99/R00: Pathways to Independence Award (Chair)
Jul. 2016	Special Emphasis Panel US-China Program for Collaborative Biomedical Research (R01), NIH (co-Chair)
Mar. 2017	Special Emphasis Panel on Nicotinic Immune Modulation in the Presence of HIV-1 Infection (R01), NIH/NIDA (Chair)
Apr. 2017	NIH Special Emphasis Panel on Loan Payment Program (LRP)

Research and Research Funding:

My research focuses on host-virus interactions, specifically HIV/HCV infection and pathogenesis in the central nervous system. The long-term goal is to understand how human brain cells interact with HIV/HCV viruses, how those interactions cause dysfunctions in brain cells and neurological diseases, and then to develop therapeutic strategies specifically targeted at these interactions. In addition, stem cell biology and cancer have also been areas of my research in the recent years, which mainly derive from a gene we found to be involved in host control of HIV replication more than a decade ago. Over the past 18-year academic career, I have secured close to \$15 million research grants (direct cost) and have continuously been funded during those years, during most of which there are more than one NIH R01 grant.

Active:

Name of Individual: Johnny J. He (PI)

Active/Pending Active

Project Number (Principal Investigator): R01NS090960 (Johnny J. He)

Source: NIH-NINDS

Title of Project (and/or Subproject): miR-132, a new player in HIV/neuroAIDS

Dates of Approved/Proposed Project: 07/15/2015-06/30/2020

Annual Direct Costs / Percent Effort: \$400,000, 30%

The major goals of this project are to determine the molecular mechanisms of miR-132-mediated HIV neurotoxicity.

Name of Individual: Johnny J. He (PI)

Active/Pending Active

Project Number (Principal Investigator): R01DA043162
Source: NIH-NIDA

Title of Project (and/or Subproject): HIV infection and latency in astrocytes

Dates of Approved/Proposed Project: 08/01/2017-07/30/2022

Annual Direct Costs / Percent Effort: \$400,000, 30%

The major goals of this project are determine the molecular mechanisms of HIV infection and latency in astrocytes and the roles of HIV latency on astrocyte and neuron function.

Pending:

Name of Individual: Johnny J. He (PI)

Active/Pending Pending

Project Number (Principal Investigator): R25GM125587 (Johnny J. He)

Source: NIH-NIGM

Title of Project (and/or Subproject): UNT Health Science Center IMSD

Dates of Approved/Proposed Project: 12/01/2017-11/30/2022

Annual Direct Costs / Percent Effort: \$350,000, 5%

The major goals of this project are to support the timely completion of PhD degrees of undergraduates from underrepresented groups and their transition into successful biomedical careers.

Name of Individual: Johnny J. He (PI)

Active/Pending Pending (scored 46, will be resubmitted on

05/07/2017)

Project Number (Principal Investigator): R25DA037186 (Johnny J. He)

Source: NIH-NIDA

Title of Project (and/or Subproject): Asian Americans/Pacific Islander Science Network

Summer HIV/AIDS-Addiction Research Program

(AAPI-SHARP)

Dates of Approved/Proposed Project: 12/01/2017-11/30/2022

Annual Direct Costs / Percent Effort: \$100,000, 5%

The major goals of this project are to set up a nationwide summer internship program to attract and train young promising students from senior high schools and colleges of AAPI origins for biomedical career with a long-term goal to increase the biomedical workforce diversity.

Name of Individual: Johnny J. He (PI)

Active/Pending Pending (unscored, to be resubmitted)

Project Number (Principal Investigator): R01AA026181 (Johnny J. He)

Source: NIH-NIAAA

Title of Project (and/or Subproject): Molecular mechanisms of HIV-accelerated liver

diseases in HIV/HCV co-infected subjects

Dates of Approved/Proposed Project:

Annual Direct Costs / Percent Effort: \$400,000, 20%

The major goals of this project are to determine the molecular mechanisms of HIV-1 Nef transfer from HIV-infected cells to hepatocytes and its contribution to altered lipid metabolism in the hepatocytes and eventual liver disease progress.

Name of Individual: Johnny J. He (PI)

Active/Pending Pending (scored 21%, to be submitted on

05/07/2017)

Project Number (Principal Investigator): R01MH343190 (Johnny J. He)

Source: NIH-NIMH

Title of Project (and/or Subproject): HIV/HCV co-infection and IL-18 induction in the

CNS

Dates of Approved/Proposed Project: 01/01/2017-12/30/2022

Annual Direct Costs / Percent Effort: \$375,000, 20%

The major goals of this project are to determine the role of IL-18 in HIV/HCV co-infection-associated neuropathogenesis.

Past:

Name of Individual: Johnny J. He (PI)

Active/Pending Active

Project Number (Principal Investigator): R01NS065785 (Johnny J. He)

Source: NIH-NINDS

Title of Project (and/or Subproject): Sam68 and HIV-1 replication control in astrocytes

Dates of Approved/Proposed Project: 02/15/2009-03/14/2016
Annual Direct Costs / Percent Effort: \$250,000, 10% effort

The major goals of this project are to determine Sam68 function in HIV-1 replication, cytoplasmic modification, and translation.

Name of Individual: Johnny J. He (PI)

Active/Pending Active

Project Number (Principal Investigator): R01 MH092673 (Johnny J. He)

Source: NIH-NIMH

Title of Project (and/or Subproject): GFAP as a novel HIB/neuroAIDS biomarker

Dates of Approved/Proposed Project: 05/01/10-04/30/16
Annual Direct Costs / Percent Effort: \$400,000, 10% effort

The major goals of this project are to determine the molecular mechanisms of GFAP-mediated HIV-1 Tat neurotoxicity and its potential as a novel HIV/neuroAIDS biomarker.

Name of Individual: Johnny J. He (PI)

Active/Pending Active

Project Number (Principal Investigator): R21DA029428 (Johnny J. He)

Source: NIH-NIDA

Title of Project (and/or Subproject): HIV interaction with drugs of abuse and adult

neurogenesis

Dates of Approved/Proposed Project: 01/01/10-12/30/12
Annual Direct Costs / Percent Effort: \$150,000, 10% effort

The major goals of this project are to create a novel mouse model to study HIV interaction with drugs of abuse and its effects on adult neurogenesis.

Name of Individual:

Active/Pending Completed

Project Number (Principal Investigator): R01 NS39804 (Johnny J. He)

Source: NIH-NINDS

Title of Project (and/or Subproject): Mechanisms of HIV-1 entry and pathogenesis in

astrocytes

Dates of Approved/Proposed Project: 04/01/00-03/31/10
Annual Direct Costs / Percent Effort: \$225,000, 20% effort

The major goals of this project are to determine the role of astrocyte infection of HIV-1 in AIDS-induced neuropathology

Name of Individual: Johnny J. He (PI)

Active/Pending Completed

Project Number (Principal Investigator): R21DA022986-01 (Johnny J. He)

Source: NIH-NIDA

Title of Project (and/or Subproject): Use a novel Tat transgenic model to develop

NeuroAIDS therapeutics

Dates of Approved/Proposed Project: 09/01/06-08/31/09
Annual Direct Costs / Percent Effort: \$150,000, 10% effort

The major goals of this project are to develop therapeutics targeted at HIV-1 associated neurological diseases.

Name of Individual: Johnny J. He (PI)

Active/Pending Completed

Project Number (Principal Investigator): R21 AA017407 (Johnny J. He)

Source: NIH-NIAAA

Title of Project (and/or Subproject): Alcohol abuse in a small rodent neuroAIDS model

Dates of Approved/Proposed Project: 4/01/07-3/31/10
Annual Direct Costs / Percent Effort: \$150,000, 5% effort

The major goals of this project are to determine alcohol interaction with HIV Tat protein.

Name of Individual: Johnny J. He (PI)

Active/Pending Completed

Project Number (Principal Investigator): R21DA080613-01 (Johnny J. He)

Source: NIH-NIDA

Title of Project (and/or Subproject): Drug abuse and HCV/HIV NeuroAIDS in China

Dates of Approved/Proposed Project: 5/01/08-4/30/09
Annual Direct Costs / Percent Effort: \$100,000, 3% effort

The major goals of this project are to determine the prevalence and nature of HIV-associated neurologic and neuropyschologic disorders in China.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): R13 DA026924 (Johnny J. He)

Source: NIH-NIDA

Title of Project (and/or Subproject): Sino-US Joint Symposium in Drug Abuse and

HIV/HCV Comorbidity

Dates of Approved/Proposed Project: 10/01/08-09/30/09
Annual Direct Costs / Percent Effort: \$25,000, 0% efforts

The major goals of this project are to share the US experience in basic and clinical research in drug abuse and HIV/HCV comorbidity with Chinese counterparts.

Name of Individual: Johnny J. He (PI)

Active/Pending Completed

Project Number (Principal Investigator): R13 DA026924 Supplement (Johnny J. He)

Source: NIH-NIAAA

Title of Project (and/or Subproject): Sino-US Joint Symposium in Drug Abuse and

HIV/HCV Comorbidity

Dates of Approved/Proposed Project: 10/01/08-09/30/09
Annual Direct Costs / Percent Effort: \$10,000, 0% efforts

The major goals of this project are to share the US experience in basic and clinical research in drug abuse and HIV/HCV comorbidity with Chinese counterparts.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): R01 MH65158 (Johnny J. He)

Source: NIH-MH

Title of Project (and/or Subproject): Tat interaction with LRP and its role in AIDS

dementia

Dates of Approved/Proposed Project: 07/01/02-06/30/08

Annual Direct Costs / Percent Effort: \$250,000, 20% effort

The major goals of this project are to determine the significance of HIV-1 Tat protein binding to LRP and LRP ligands in AIDS-associated neuropathologies.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): Grand Health Challenge (Johnny J. He)

Source: Bill Gates Foundation

Title of Project (and/or Subproject): A novel HIV eradication strategy

Dates of Approved/Proposed Project: 4/01/087-3/31/10
Annual Direct Costs / Percent Effort: \$100,000, 5% effort

The major goals of this project are to determine the feasibility of eradicating HIV and its infected cells through a specific HIV envelop ligand-induced autophagy.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): n/a (Johnny J. He)

Source: Indiana University School of Medicine

Title of Project (and/or Subproject): Characterization of HIV-1 infection of human

astrocytes

Dates of Approved/Proposed Project: 07/01/98-06/30/99
Annual Direct Costs / Percent Effort: \$25,000, 10% effort

The major goals of this project were to characterize the entry pathway of HIV-1 into astrocytes and to clone the CD4-independent HIV-1 receptor.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): n/a (Johnny J. He)

Showalter W. Grace Foundation

Title of Project (and/or Subproject): Role of Tat in neuronal apoptosis induced by HIV

infection

Dates of Approved/Proposed Project: 07/01/99-06/30/00
Annual Direct Costs / Percent Effort: \$60,000, 10% effort

The major goals of this project were to determine the underlying mechanisms of Tatinduced neuronal apoptosis followed by HIV-1 infection.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): n/a (Johnny J. He)

Source: Showalter W. Grace Foundation
Title of Project (and/or Subproject): HIV-1 Nef and astrocyte apoptosis

Dates of Approved/Proposed Project: 07/01/02-06/30/03
Annual Direct Costs / Percent Effort: \$60,000, 10% effort

The major goals of this project were to determine the relationship between HIV-1 Nef

protein, astrocyte mitochondrial dysfunction, and astrocyte apoptosis.

Name of Individual: Johnny J. He (PI)
Active/Pending Completed

Project Number (Principal Investigator): #023806-30 (Johnny J. He)

Source: Showalter W. Grace Foundation

Title of Project (and/or Subproject): HIV-1 Nef protein and astrocyte apoptosis

Dates of Approved/Proposed Project: 07/01/02-06/30/04
Annual Direct Costs / Percent Effort: \$60,000, 10% effort

The major goals of this project are to determine molecular mechanisms of HIV-1 Nef expression-induced astrocyte apoptosis and its role in neuron survival.

CURRICULUM VITAE

MARY ELIZABETH HERRING, J.D.

Address: Post Office Box 176

Wellborn, Texas 77881

Telephone: Cell: 979/224-0824

Email: <u>maryelizabeth@aggienetwork.com</u>

Personal: Place of Birth: Rolling Fork, Mississippi

University: Texas A&M University

B.A. Political Science, 1983

Legal Education: South Texas College of Law

Doctor of Jurisprudence, 1986

Licensure: State Bar of Texas 1987

Federal District Court 1989

Professional Organizations:

American Society of Law, Medicine & Ethics

American Health Lawyers Association

Association for Practical & Professional Ethics

State Bar of Texas

State Bar College (Honor Society of Lawyers chartered by the Supreme Court of

Texas)

Community Service:

Hospice Brazos Valley, Board of Directors, Chair 2012-2013

(Board member 2007-2017)

Rotary International

Ducks Unlimited member (Advisor to TAMU student chapter 2002-2010)

College Station Planning & Zoning Commission, 1991-1994

Texas A&M University HSC College of Medicine Service:

Chair, Department of Humanities in Medicine, 2013-2014

Curriculum Committee 2002- 2006, 2011- 2015

Curriculum Committee, Innovations Subcommittee, Chair, 2011-2014

Curriculum Phase I Committee, 2010-2015 Curriculum Phase II Committee, 2010-2015 Curriculum Phase IV Committee, 2005-2015

Student Promotions Committee 2003-2015

Task Force on Professionalism 4- Year Curriculum Development, Co-Chair, 2009

Year III Curriculum Committee: Co-Chair Vertical Integration 2009

Search Committee: Senior Associate Dean for Academic Affairs, 2007

HSC E-Learning Committee, 2006-2009

HSC Faculty Senate, 2007-2011

COM Executive Committee, 2003-2008

Faculty Advisory Committee 2002-2008 (Chair 2003--2007)

Search Committee: Dean, College of Medicine, 2003

Texas A&M University and University System Service:

Texas A&M University Faculty Senate, College Representative 2015-2016

Senior Faculty Representative to American Assoc of Medical Colleges

Committee on Faculty and Academic Societies 2014-2016

TAMHSC Compliance Task Force, 2011-2012

Texas A&M University System Institutional Review Board #2, 2004-2011 (Chair, 2008-2011)

Human Subjects Protection Program, Executive Committee 2008-2011

Texas A&M University Blue Ribbon Committee on Greek Affairs, 2011-2016

Lady Aggie Maroon Club, Board of Directors (2 terms)

Faculty Club, Board of Directors (2 terms)

Friends of the Sterling C. Evans Library

Memorial Student Center Council, Faculty -Former Student Rep.

Texas A&M University Press Advisory Board, 1993-95

Corps of Cadets Committee to Enhance Academics, Founding Chair

President's Committee for a Discrimination Free Campus

President's Visual Arts Committee

Faculty Advisor to Student Organizations:

Beta Theta Pi Fraternity 2001-2016 & Chapter Counselor, 2016- present

Company L-1, Corps of Cadets, 1990-2013

TAMU Student Chapter Ducks Unlimited 2002- 2009

MSC Council, 1990-97

Pi Kappa Alpha Fraternity, 1996-97

Bonfire Reload Crew, 1991-96

1994 Aggie Muster Committee

Honors & Awards:

2015 Outstanding Non-Clinical Faculty Teaching Award, Class of 2015

2013 "Modeling Excellence in Teaching" Certificate TAMU COM

2011 National Advisor of the Year, Beta Theta Pi national Greek letter fraternity

2009 South Central U.S. Outstanding Friend of Beta Theta Pi (Advisor Award)

2008 Class of 2008 Student Friend Award, Temple Campus, College of Medicine

2007 Class of 2007 Student Friend Award, Temple Campus, College of Medicine

2006 Outstanding Greek Advisor Award

1995 Corps Regiment Advisor Award

1993 Outstanding Corps Academic Advisor Award

1993 Memorial Student Center (MSC) Distinguished Service Award

1992 Keynote Speaker, Alpha Phi Omega Banquet

1991 National Committee, National Association of College & University Attys

1991 Keynote Speaker MSC MBA/Law Day

1990-1995 Special Guest Speaker, MSC Fall and Spring Leadership conferences

Academic Appointments:

Texas A&M University System Health Science Center College of Medicine

Chair, Department of Humanities in Medicine, May 1, 2013- Jan 1, 2015

(Recommended by search committee and appointed by Dean Sam Shomaker)

Associate Professor, Department of Humanities in Medicine 2006-2015

Becoming a Physician Creator and Course Director (Years I, II and IV) 2013-15

Professionalism Co-Director, Phases I-IV, 2009-2013

Co-Director of the Four Year Professionalism Curriculum, 2009-2015

Joint Appointment in Family & Community Medicine 1999-2002

Assistant Professor, 1997-2006

Course Coordinator, Medical Humanities M-1 Course 2003-2008

Course Coordinator, "Medical Jurisprudence", 2002-2015

Medical Jurisprudence faculty 1991- present

Special Assistant to the Vice President for Health Affairs, 1991-1993

School of Rural Public Health

Assistant Professor, School of Rural Public Health 1993 -1995

Texas A&M University College of Business

1995-1998

Lecturer, Department of Management

Business Law (MGMT 212)

Texas A&M University System

Office of General Counsel 1989-1991

Senior Staff Attorney

Prior Professional Employment:

Attorney

Austin, Texas

Research:

2007-2008 Split six-month faculty development leave in Spring 2007 and 2008 with the Texas Medical Board exploring physician disciplinary actions, processes and predictive indicators. (Ten year retrospective study.)

2009: Medical Student Attitude Study, Dept. of Internal Medicine, Scott & White, Temple, TX.

2009: Resident Knowledge Advance Directives study, Dept. of Internal Medicine, Scott & White Internal Medicine Residency, Temple, TX.

Publications:

Colbert C, French, J, Herring ME, Dannefer, E, "Fairness: The Hidden Challenge for Competency Based Postgraduate Medical Education Programmes", has been accepted for publication in Perspectives on Medical Education. 2017

2014 Drafted the Texas Medical Jurisprudence Examination used by the Texas Medical Board required for licensure of all physicians in Texas.

Colbert C, Mirkes C, Ogden P, Herring ME, Cable C., et al. "Enhancing Competency in Professionalism: Targeting Resident Advance Directive Education" J. of Graduate Medical Education. June 2010.

Liang NL, Herring ME, Bush RL. "Dealing Honestly with an Honest Mistake" J. Vasc Surg. 2009 Dec 16

Herring, Mary E. "Solving the Problem Patient", Texas Family Physician, Vol. 53, No. 2, (2002) publication of the Texas Academy of Family Physicians.

Herring, Mary E. "Final Decisions: Practical Applications of Texas Laws Concerning Directives to Physicians and Medical Powers of Attorney", Texas Family Physician, Vol. 52, No. 2,(2001) publication of the Texas Academy of Family Physicians.

Presentations:

1. Graduate Medical Education and Continuing Education Presentations:

For Hospice Brazos Valley: "End of Life Issues: Practical Information for Healthcare Providers" CEU/CNE, April 7, 2011 St. Joseph Hospital, Bryan, Texas and "End of Life Issues: Practical Information for Physicians" May 23, 2011, CME, St. Mark's Hospital, Columbus, Texas

"Professionalism and Licensure", July 1, 2009 Internal Medicine Residency, Scott & White, Temple, TX

"The Texas Medical Board: Facts, Myths, Impressions" John Peter Smith Family Practice residents and faculty, June 4, 2009, Fort Worth, TX

"The Texas Medical Board: Facts, Myths, Impressions" Columbus Medical Clinic, (CME for Physicians), June 9, 2009, Columbus, TX

"The Texas Medical Board: Facts, Myths, Impressions" Scott & White Orthopedic Surgery residents and faculty, March 5, 2009, Temple, TX

<u>Graduate Medical Education Presentations to Brazos Family Medicine Residency</u> (2001-20167, Bryan, TX:

- "The Texas Medical Board: Facts, Myths, Impressions"
- "Negotiating Managed Care and Employment Contracts"
- "Medical Records/Informed Consent, Duty to Warn, Documenting Patient Non-compliance"
- "Mock Depositions"
- "Surrogates and Ethics"
- "Elements of the Physician Patient Relationship"
- "Case Studies in Medical Malpractice"
- "Overview of Risk Management, Patient Confidentiality, Medical Record Keeping"
- "Terminating the Patient Relationship and Avoiding Abandonment"
- "Advanced Directives and Surrogate Decision-making"
- "HIPAA for Doctors"
- "Physician Employment Contracts and Ethical Issues"

2. Presentations by Invitation:

- * "Medical Law and Ethics", March 5, 2011, keynote address, 3rd Annual High School Bioethics Conference, Texas A&M University, College Station, TX
- * "Legal and Ethical Issues in End of Life Care" Nov. 2010, Scott & White Hospital, Brenham, TX
- * "Texas Medical Board: Facts, Myths & Impressions", May 11, 2010, Fayette County Medical Society, LaGrange, TX
- * "Texas Medical Board: Facts, Myths & Impressions" February 27, 2010, American College of Surgeons (South Texas) Annual Meeting, Austin, TX
- \ast "Law and Medicine", July 7, 2009, National Youth Leadership Forum, College Station, TX
- *First Annual Geriatric Symposium, May 8, 2009, Moderator, College Station, TX
- *"The Texas Medical Board: Facts, Myths, Impressions" CME presentation, March 5, 2009, Grand Rounds, Orthopedic Surgery Dept, Scott & White, Temple, TX
- * "The Texas Medical Board: Facts, Myths, Impressions" CME presentation, March 27, 2009 Grand Rounds, OB/GYN Dept, Scott & White, Temple, TX
- * "The Texas Medical Board: Facts, Myths, Impressions" CME presentation November 2008, Meeting of the Medical Staff, The Med, College Station Medical Center, College Station, TX
- st September 2008 Ethics Grand Rounds with Dr. Charles Sanders at Scott & White Dept. of Orthopedic Surgery , Temple, TX
- * 2007-2008 Presentations by invitation to Corpus Christi Family Practice Residency and CME for Scott & White Residencies in Anesthesia, Internal Medicine, General Surgery Fall 2007- Spring 2008, Temple, TX
- * "The Texas Medical Board: Facts, Myths, Impressions" CME presentation for physicians in Brenham, TX sponsored by Hospice Brazos Valley, February 2008
- * "Advance Directives and Medical Powers of Attorney" presented by Hospice Brazos Valley to St. Joseph's Medallion Club members, April 2008, Bryan, TX *National Youth Leadership Forum, 2006, "Medical Ethics", College Station, TX
- *JAMPS instructor, Summer 2003, 2004, 2006, 2007"Medical Ethics" and

- "Medical Law", hosted by Texas A&M College of Medicine, College Station,TX *American College Health Assn. Annual Meeting, June 3, 2005 "HIPAA and Research" Panel Presentation, San Diego, CA
- *Scholarly Paper: "Ethical Responsibilities and Dilemmas Confronting IRB Members" at the Illuminating Ethical Leadership Conference sponsored by the RTF Institute for Leadership, Ethics and Character, October 2005, Kennesaw State University, Atlanta, GA.
- * "Medical Law or Legal Medicine: Educating Medical Students for the Real World", AAMC Annual meeting, November 2005, Washington, D.C.
- *AMSA (American Medical Students Assoc.) "Physicians and the Law" Feb. 26, 2003, College Station, TX
- *Memorial Student Center Conversations, featured guest, April 2, 2003, College Station, TX

CME Courses developed:

- 1. Continuing Medical Education Coordinator and speaker, "Practical Ethics for Physicians" an 8 hour ethics CME program, June 25, 2011, Fort Worth, TX Presentations given: "Confidentiality and Communication", "Terminating the Physician-Patient Relationship", "Medical Record-Keeping" and "Avoiding problems with the TMB". (Repeated an eight hour ethics CME course for physicians created in 2010 with the addition of a separate half day for nurses for CNE credit).
- 2. Continuing Medical Education Coordinator and speaker, "Practical Ethics for Physicians" an 8 hour ethics CME program, June 12, 2010, Round Rock, TX Presentations given: "Confidentiality and Communication", "Terminating the Physician-Patient Relationship", "Medical Record-Keeping" and "Avoiding problems with the TMB". (Created an eight hour ethics CME course for physicians).
- 3. Course Developer and Coordinator of Child Abuse Nurse Examiner Course, July 21-22, 2006, College Station, TX

<u>Undergraduate Medical Education courses developed:</u>

Becoming A Physician, I, II and IV (2013-2015) This course combined several "threads" that had been taught in separate courses (professionalism, ethics, palliative care/end of life, communication, jurisprudence and humanities) into one integrated case-based, multi-semester course.

Professionalism I (2010) Required course given annually, Fall and Spring.

Professionalism II (2010) Required course given annually, Fall and Spring.

Second year selective in Medical Law (1999-present) ("selectives" are required second year Humanities electives where students may choose from among a variety of topics).

Fourth year elective in medical law and ethics (2006-present).

Fourth year jurisprudence and practice management course.

Developed a joint medical school-law school course in medical jurisprudence with Charles J. Weigel at South Texas College of Law in 1994 and initiated discussions about a similar course with Maxine Harrington at Texas A&M Law School in 2015.

Formal Mentorship:

Spring 2009, Graduate Teaching Academy, Texas A&M University, Teaching mentor to Rizgar A. Mohammed Ameen Shwani

1999-2015 Multiple medical student mentorships through the Leadership in Medicine Mentorship Program

Professional Development:

AAMC Executive Development Program for Department Heads and Assistant Deans, 2014 Teaching Professors Conference 2014

AAMC Mid-Career Women Faculty Professional Development Seminar, December 6-9, 2008 Texas A&M University Center for Teaching Excellence, various courses, 1999-2004

Enhancement of Teaching Skills/ Education Grand Rounds:

- 1) 08/19/04 NBME EXAM QUESTION ITEM WRITING WORKSHOP
- 2) 04/21/06"Teaching Skills for Faculty" Dr. Paul Casella
- 3) 10/09/08 "Giving an Effective Scientific Presentation" (Dr. Barbara Gastel)
- 4) 10/16/08 Tina Thompson, Ph.D. and Robert Donner, M.D., Mercer University School of Medicine, "Small Group Teaching and Learning Workshop"
- 5) 03/25/09 Robert B. Hash, M.D. & Mark C. Sadoski, Ph.D., "Effective Medical Schools: Research and Practice", Education Grand Rounds
- 6) 08/26/09 Suzanne Shurtz, MLIS and Catherine Pepper, MLIS, MPH, "Rx for Learning: Library Resources for Medical Education", Education Grand Rounds
- 7) 09/23/09 Paul E. Ogden, M.D., "Medical Education for the 21st Century. Where Are We Going?", Education Grand Rounds
- 8) 09/30/09 Daniel W. Bradford, M.D., M.P.H., Durham VA Medical Center and Duke University Medical Center, "Psychiatry's Role in Supporting the Recovery of Persons with Severe Mental Illness: Enhancing Biomedical Perspectives with Recovery Concepts", Education Grand Rounds
- 03/30/11, COM Education Grand Rounds, Nancy Searle, Ed.D., Baylor College of Medicine, "Issues To Be Considered When Starting and Maintaining a Successful Academy of Medical Educators"
- 10) 06/04/12 Phase II "Team Based Learning" Demonstration, Drs. West and Graham
- 11) 07/27/12 "Team Based Learning for Health Science Educators" Workshop and Grand Rounds by Dr. Ruth Levine
- 12) 08/28/12 Small Group Faculty Training, Drs. West and Graham Modeling Excellence in Teaching Series sponsored by College of Medicine Office of Faculty Development:
- 13) 09/25/12 "What is Excellence in Teaching", Drs. Graham and West

14) 11/13/12 "The Stanford Model of Teaching", Jeffrey Clark, D.O., Vice Chair, Dept. of Neurology and Associate Professor, Internal Medicine, Scott & white, Temple, TX
15) 01/15/13 "Assessment in Active Learning", Drs. William Koss and Christian Cable.





Curriculum Vitae Eric H. Hubli, MD, MHCM

CURRENT TITLE: Director of Craniofacial and Cleft Care,

Plastic and Craniomaxillofacial Surgeon,

Chief System Effectiveness Officer

BUSINESS ADDRESS: Cook Children's Medical Center, Fort Worth, Texas

CONTACT INFORMATION: <u>Eric.Hubli@cookchildrens.org</u>, 682-885-3311, 682-885-7770

UNDERGRADUATE EDUCATION:

Years	Degree	Institution, City, State
1979-1983	B.S. Biologyy, (Magna Cum Laude, Phi Beta Kappa)	Boston College, Chestnut Hill, MA

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1983-1987	Doctor of Medicine	Tufts University School of Medicine
		Boston, MA
2006-2008	Master of Health Care Management	Harvard University School of Public
		Health, Boston, MA

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
1987-1991	Internship and Residency, General Surgery	Baystate Medical Center, Springfield, MA
1981-1993	Residency, Plastic and Reconstructive Surgery	Lahey Clinic Medical Center, Burlington, MA
1993-1994	Fellowship, Craniomaxillofacial Reconstructive Surgery	International Craniofacial Institute, Cleft Lip & Palate Treatment Center, Dallas, TX

BOARD CERTIFICATION:

Year Certified	Board	Specialty
1988	NBME	National Board of Medical Examiners
1996 2006 2016	ABPS ABPS ABPS	American Board of Plastic and Reconstructive Surgery





LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
1989	Massachusetts Board of Medicine, 70559	2003 Expired - moved
1993	Texas Medical Board, J3499	Current as of 2017
1999	Virginia Board of Medicine, 0101223974	2010 Expired – moved
2000	Maryland Board of Physicians, D55912	2005 Expired – moved
2000	District of Columbia Board of Medicine, 32428	2002 Expired – moved
2002	Arkansas State Medical Board, E-3168	2008 Expired – never used

Employment

PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
10013	Title(3)	institution, city, state
1994-2000	Craniofacial and Plastic Surgeon	International Craniofacial Institute, Cleft Lip & Palate Treatment Center, Dallas, TX
2000-2001	Co-Director of the Craniofacial Division of Plastic Surgery	INOVA Fairfax Hospital, Falls Church, VA
2001-2003	Plastic and Craniomaxillofacial Surgeon	Lewis-Gale Clinic, Salem, VA
2003-2008	Plastic and Craniomaxillofacial Surgeon	Driscoll Children's Hospital, Corpus Christi, TX
2008-Current	Director of Craniofacial & Cleft Care and Craniofacial Surgeon	Cook Children's Medical Center, Fort Worth, TX

Honors and Awards

Honors and A	1000103	
Years	Honor/Award Type	Institution
1983	Order of Cross and Crown, Alpha Sigma Nu, Alpha Epsilon Delta	Boston College, MA
1986	Annual Scholarship as Outstanding Third Year Medical Student	Baystate Medical Center, Springfield, MA Dept. of Obstetrics and Gynecology
1991	Department of Surgery Excellence in Teaching Award	Baystate Medical Center, Springfield, MA
1991	Staff Award for Excellence in Teaching by a Resident Physician	Baystate Medical Center, Springfield, MA





1993	Motion Picture Library of the American College of Surgeons Video Award; "Lamellar Split Orbital Facial Osteotomy: An Update," Salyer KE, Hubli EH, Hall C, Bruce D, Shapiro K	American College of Surgeons
1994	Outstanding Paper Award – Texas Society of Plastic Surgery Annual Meeting; "New Uses of Dimineralized Bone: Applications in the Management of Cleft Lip and Palate," Hubli EH, Salyer KE	
1997	Honorary Member and Award Recipient for Contributions to Dentistry – Pierre Fouchard Society Annual Meeting	Sao Paulo, Brazil
1998-2001	Physician's Recognition Award in Continuing Medical Education	Awarded from American Medical Association
2014	Vitals Compassionate Doctor Award	Vitals Awards and Recognition Program - online
2015	Cook Children's Physican Ladder – Distinguished Consultant Award	Fort Worth, TX
2017	Top Doctors Award – voted by peers in the medical field	Fort Worth, TX

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2005-2008	Chief Information Officer (CIO)	Driscoll Children's Hospital, Corpus Christi, TX
2008-current	Chief System Effectiveness Officer	Cook Children's Health Care System, Fort Worth, TX

Professional & Scientific Committees

Years	Title/Role,	Institution, City, State, Country
2002-current	Medical Advisor, Medical Advisory Board Member, Quality Improvement Consultant	The Smile Train Foundation, New York, NY

PROFESSIONAL COMMUNITY ACTIVITIES

Years	Title/Role,	Institution/Organization, City, State,
2005-2008	Medical Reporter, "3 Star Health" television news weekly segment	KIII Television, Corpus Christi, TX





Continued (NOT IN CHRONOLOGICAL ORDER)

Appointments	
2010 - 2013	Senior Examiner, National Institute of Standards and Technology (NIST), Board of Examiners for the Malcolm Baldrige National Quality Award, Baldrige Collaborative Assessment Team
2010 - current	Medical Advisory Board Member, The Smile Train Foundation, New York, New York
2009	Examiner, National Institute of Standards and Technology (NIST), 2009 Board of Examiners for the Malcolm Baldrige National Quality Award, Baldrige Collaborative Assessment Team
2006 - 2012	VIP (Volunteers in Plastic Surgery) Committee Member, American Society of Plastic Surgeons
2004	Board Member and Secretary, Driscoll Physicians Group, Corpus Christi, Texas
2004	Board Member and Secretary, Valley Physicians Group, McAllen, Texas
2004	Medical Advisor, CMF Surgical
2002 - current	Medical Advisor and Quality Improvement Consultant, The Smile Train Foundation, New York, New York
2000	Government Relations Committee Member, American Society of Plastic Surgeons
2000	Chairman, Department of Pediatrics, The North Texas Children's Hospital at Medical City Dallas Hospital, Texas
2000	Chairman, Texas Society of Plastic Surgeons, Public Policy Committee
2000	Executive Committee Member, Medical City Dallas Hospital, Texas
1998 - 2000	Chief of Pediatric Surgery, The North Texas Children's Hospital at Medical City Dallas Hospital, Texas
1999 - current	Fellow, International College of Surgeons
1999	Texas Society of Plastic Surgeons Representative to the Medicare Carrier Advisory Committee
1999	Member, Legislative Committee of Texas Society of Plastic Surgery





1998 - current	Fellow, American College of Surgeons
1998 - current	Fellow, American Academy of Pediatrics
1998	Advisory Board Member, Lorenz Circle of Surgeons
1998	Member, Awards Committee for the Texas Society of Plastic Surgeons
1998	Member, Infection Control Committee, Medical City Dallas Hospital, Texas
1997 - 1998	Member, CME Committee, Medical City Dallas Hospital, Texas
1997	Assistant Chief of Pediatric Surgery, The North Texas Children's Hospital at Medical City Dallas Hospital, Texas
1997 - 2000	Clinical Faculty of the Plastic Surgery Residency Program at Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, Texas
1994 - 1999	Clinical Instructor in Surgery, Division of Plastic Surgery, Southwestern Medical Center, Dallas, Texas

Professional Affiliations

2004-2008	Nueces County Medical Society
1999-current	International Society of Craniofacial Surgery, Active Member
1998	Texas Pediatric Society
1997	Project Imagine Community Plastic Surgery Outreach Program, Co-Founder
1997	Dallas Society of Plastic & Cosmetic Surgeons
1997	Texas Society of Plastic Surgeons
1996-current	American Society of Plastic Surgeons, Active Member
1995	Texas Medical Association
1995	American Medical Association
1995-2000	World Craniofacial Foundation, Founding Member and Secretary,





1994-current American Society of Craniofacial Surgery,

Active Member

1994-current American Cleft Palate-Craniofacial Association,

Active Member

Textbook Contributions

2014	"Approaches to Craniosynostosis," Hubli EH, <u>Seminars in Plastic Surgery</u> , Vol. 28, August 2014, Hubli EH, guest editor. Thieme; New York, Stuttgart
2014	"Correction of Metopic Synostosis Utilizing an In-Situ Bandeau Approach," Hubli EH, Seminars in Plastic Surgery, Vol. 28, August 2014, 115-120. Hubli EH, guest editor. Thieme; New York, Stuttgart
2014	"A Functional Aesthetic Approach to Correcting the Sequelae of Sagittal Synostosis," Hubli EH, Roberts RA, <u>Seminars in Plastic Surgery</u> , Vol. 28, August 2014, 130-137. Hubli EH, guest editor. Thieme; New York, Stuttgart
2000	"Secondary Cleft Lip and Cleft Nasal Deformities," Hubli EH, Salyer KE, Genecov DG. Chapter 57, <u>Plastic Surgery: Indications · Operations · Outcomes</u> , Vol II, Vander Kolk CA, editor. Mosby-Year Book; Philadelphia, Pennsylvania
2000	"Orbital Hypertelorism," Salyer KE, Hubli EH. Chapter 49, <u>Plastic Surgery:</u> <u>Indications · Operations · Outcomes</u> . Vol II, Vander Kolk CA, editor. Mosby-Year Book; Philadelphia, Pennsylvania
1998	Atlas of Craniofacial and Cleft Surgery, Salyer KE, Bardach J. LippincottRaven Publishers; Philadelphia, Pennsylvania, contributor
1995	"Hypothermia and Cold Related Injuries," Hubli EH, Demling RH, Chapter 164, <u>Textbook of Critical Care</u> , Third Edition, Shoemaker WC, Ayers SM, Grenvik AN, Holbrook PR, editors
Publications	
2016	"Zika: From nuisance to 'genuine threat to public health'," Checkup Daily – Cook Children's Newsroom, January
2011	"HIT Insight: Managing Cost, Making Decisions, and Moving Forward to Produce Value"; Child Health Corporation of America; White Paper for Executive Institute; Contributing Editor; December





2004	"The Role of Free Tissue Transfer in the Management of Recalcitrant Palatal Fistulae among Patients with Clefts," Schwabegger A, Hubli EH, Rieger M, Gassner R, Schmidt A, Ninkovic M. Plastic and Reconstructive Surgery. 113(4): 1131-1139, April
2001	"Controlled Midface Distraction in Canine Using an Internal Multiplanar Device," Agarwal R, Salyer KE, Genecov DG, Hubli EH, Kremer M. TRANSACTIONS 9 th International Congress on Cleft Palate and Related Craniofacial Anomalies, Goteborg, Sweden, 2001. Jan Lilja, Editor
2000	"Distraction Osteogenesis Versus Primary Osteotomy: Indications and Contraindications. A Clinical Perspective from Busy Craniofacial Service," Salyer KE, Hubli EH, Genecov DG, Agarwal R. Craniofacial 8 Monduzzi Editore. 2000; 167-170
1999	"Distraction Osteogenesis: The Clinical Experience at the International Craniofacial Institute – Dallas, Texas," Genecov DG, Salyer KE, Genecov ER, Hubli EH. Distraction Osteogenesis Interactive Course on CD-ROM, Samchukov ML, Cope JB, Cherashin AM, Eds. Volume 1. GlobalMed NET Dallas, Texas. 236-254, 1999
1999	"Deformities Bill Marches Through Legislature and TMA," Hubli EH. Texas Plastic Surgery News, Winter 1999
1998	"Facial Reconstruction Using a Retroauricular-Temporal Free Flap," Ninkovic M, Hubli EH, Anderl H. Plastic and Reconstructive Surgery, 102:4; 1147-1150, September 1998
1998	"Demineralized Perforated Bone in the Reconstruction of the Kleeblattschadel Skull Deformity," Hubli EH, Salyer KE. The Annals of Plastic Surgery, 41:1; 81-85, July 1998
1998	"Commonly Treated Craniofacial Tumors of the Head and Neck," Hubli EH. Published on informational website page for The International Craniofacial Institute, Dallas, Texas, February 1998
1998	"Traumatic Deformities of the Craniofacial Structures," Hubli EH. Published on informational website page for The International Craniofacial Institute, Dallas, Texas, February 1998
1998	Book Review - "Cleft Lip and Palate with an Introduction to other Craniofacial Anomalies: Perspectives in Management," by Samuel L. Berkowitz, M.D. Journal of Craniofacial Surgery, March 1998

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1997	Revised 10/12/17 "Free Flap Reconstruction of Recurrent Palatal Fistula," Ninkovic M, Hubli EH, Schwabegger A, Anderl, H. Journal of Craniofacial Surgery. 8(6): 491-495, November, 1997
1997	"Apert Syndrome: A Review of Speech, Language, Cognitive and Other Co-Existing Disorders," Altuna D, Salyer KE, Fearon JA, Hubli EH. Published in the Proceedings of the VII International Congress of the International Society of Craniofacial Surgery, Monduzzi Editore. Bologna, Italy
1997	"Distraction Osteogenesis of Mandible and Maxilla: A Clinical Experience," Salyer KE, Hubli EH. TRANSACTIONS, 8th International Congress on Cleft Palate and Related Craniofacial Anomalies, Singapore: Stamford Press Pte. Ltd.; 618-621, September 7-12
1997	"Demineralized Bone Implants in Craniofacial Surgery," Salyer KE, Hubli EH. TRANSACTIONS, 8th International Congress on Cleft Palate and Related Craniofacial Anomalies, Singapore: Stamford Press Pte. Ltd.; 583-587, September 7-12
1997	"Distraction Osteogenesis of Costochondral Neomandibles: A Clinical Experience," Corcoran J, Hubli EH, Salyer KE. Plastic and Reconstructive Surgery, 100(2): 311-315, August 1997
1996	"Fibrous Malunion as a Complication of Distraction Osteogenesis," Corcoran J, Salyer KE, Hubli EH, The Online Journal of Plastic and Reconstructive Surgery, Vol. 1(2), June 1996, Campinas, Brazil
1996	"A Guide to Understanding Hemangiomas," Hubli EH, published as a parent's guide to hemangiomas by the Children's Craniofacial Association
1995	"Safety of Total Cranial Vault vs. Partial or Staged Cranial Vault Remodeling," Hubli EH, Allegra P, Salyer KE. Published in the Proceedings of the VI International Congress of the International Society of Craniofacial Surgery, Monduzzi Editore. Bologna, Italy
1995	"Sequence of Surgical Intervention in Syndromal Synostosis," Salyer KE, Hubli EH, Allegra P, Published in the Proceedings of the VI International Congress of the International Society of Craniofacial Surgery, Monduzzi Editore. Bologna, Italy
Instructional Courses and Invited Eaculty	

Instructional Courses and Invited Faculty

2016 Invited Faculty, Mayo Clinic & Chang Gung Symposium in Reconstructive Surgery, Munich, Germany, October 19-22





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2016	Revised 10/12/17 Panelist, Mayo Clinic & Chang Gung Symposium in Reconstructive Surgery, Techniques and Management of Cleft Lip and Palate Care, Munich, Germany, October 16
2014	Visiting Professor, Hospital SOBRAPAR, Campinas, Brazil, August 21
2014	Visiting Professor, University of San Paulo, Brazil, "The Smile Train Approach in International Cleft Care, The Lancet Commission on Global Surgery," Hubli EH, Brazil, August 20
2014	Visiting Professor, University of San Paulo, Brazil, "Holistic Approach to Comprehensive Cleft Care," Hubli EH, August 19
2014	Visiting Professor, University of San Paulo, Brazil, "Management of Secondary Defect of the Cleft Lip and Palate," Hubli EH, August 18
2012	Invited Faculty, Mayo Clinic & Chang Gung Symposium in Reconstructive Surgery, Rochester, Minnesota, May 31 - June 3
2010	Invited Faculty, Mayo Clinic & Chang Gung Symposium in Reconstructive Surgery, Rochester, Minnesota, June 25-29
2010	Panelist, Society for Healthcare Consumer Advocacy Annual Conference 2010: Strengthening the Foundation of Patient Advocacy, Pittsburgh, Pennsylvania, April 15
2009	Panelist, Texas Alliance for Patient Services 2009 Annual Conference: Power Tools for Patient Advocacy, Westlake, Texas, September 10
2006	Panelist, American College of Healthcare Executives Forum: "What do they Really Want?" Corpus Christi, Texas, May 25
1998	Invited Faculty, AO Synthes First Annual Instructional Course on Distraction Osteogenesis, Chicago, Illinois, August 22-23
1998	Co-Chairman of the ACPA/ASCFS Craniofacial Session IX at the Annual Meeting, ACPA 55 th Annual Meeting, Baltimore, Maryland, April 24
1997	Invited Faculty, National Meeting of the Pierre Fouchard Academy, Sao Paulo, Brazil, August 8
1996	Moderator, Surgical Techniques in Cleft Lip and Palate; live surgical demonstrations with Kenneth E. Salyer, M.D., Medical City Dallas Hospital, Dallas, Texas, November 8





1996 Invited Faculty, International Meeting on Cleft Lip/Palate and Craniofacial Deformities, Sao Paulo, Brazil, September 4-5

Professional Presentations

2016	"An Introduction to Process Improvement", Hubli EH, Cardenas P, Kydd S, Advancing Healthcare Leadership, Cook Children's Medical Center Educational Program, Texas Christian University, Fort Worth, Texas, October 8
2016	"Smile Train Express: Managing Surgical Quality on a Global Scale", Hubli EH, Mayo Clinic & Chang Gung Symposium in Reconstructive Surgery, Munich, Germany, October 20
2015	"Changing the Face of Global Surgery: Mission Work 2.0," Hubli EH, 2015 Pediatric Quality Award, Austin, Texas, November
2015	"Safe Surgery Protocols in the Management of the Cleft Lip and Palate Patient," Hubli EH, VII Brazilian Congress of Cleft Lip and Palate and Craniomaxillofacial Anomalies of 2015, Sao Paulo Brazil, August 28-30
2015	"Alveolar Bone Grafting: Bridging the Gap with New Ideas," Hubli EH, VII Brazilian Congress of Cleft Lip and Palate and Craniomaxillofacial Anomalies of 2015, Sao Paulo Brazil, August 28-30
2015	"Orthognathic Surgery in the Cleft Patient," Hubli EH, VII Brazilian Congress of Cleft Lip and Palate and Craniomaxillofacial Anomalies of 2015, Sao Paulo Brazil, August 28-30
2014	"Organizational Management and Using the Baldrige Criteria," Hubli EH, presented at the University of North Texas School of Public Health, Fort Worth, Texas, October 8
2014	"Management of Secondary Defect of the Cleft Lip and Palate," Hubli EH, visiting professor at the University of San Paulo, Brazil, August 18
2014	"Holistic Approach to Comprehensive Cleft Care," Hubli EH, visiting professor at the University of San Paulo, Brazil, August 19
2014	"The Smile Train Approach in International Cleft Care, The Lancet Commission on Global Surgery," Hubli EH, visiting professor at the University of San Paulo, Brazil, August 20
2014	"Managing Plagiocephaly," Hubli EH, presented at the 2014 Pediatric Home Care Conference: Beyond Hospital Walls, Dallas, Texas, September 9

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Revised 10/12/17

2013	"The Science of Business: How Lean Has Changed the Business of Healthcare," Hubli EH, presented at the Hospital Library Interest Section, Medical Library Association, October 28
2012	"How Baldrige Has Impacted Performance Improvement at Cook Children's," Hubli EH, presented at the American College of Healthcare Executives North Texas Chapter, Fort Worth, Texas, June 21
2012	"Let's All Start at the Beginning: A Measured Approach in Managing the Cleft Nose"; Hubli EH, presented at The Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 1-3
2012	"A Functional Approach in the Management of Sagittal Synostosis"; Hubli EH, presented at The Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 1-3
2012	"Revolutionizing Care: Advances in Craniofacial Surgery"; Hubli EH, presented at The Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 1-3
2012	"Novel Techniques: The Cleft Patient," Hubli EH, presented at The Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 1-3
2012	"Managing Physician Relationships: Communicating with the Clinical Staff," Hubli EH, presented at the Society for Healthcare Consumer Advocacy 2012 Annual Conference, Austin, Texas, April 17-20
2012	"Effective Strategies in Healthcare Management," Hubli EH, presented at the University of North Texas School of Public Health, Fort Worth, Texas, April 3
2012	"Leading Cultural Change," University of North Texas School of Public Health, Hubli EH, University of North Texas, September 19
2012	"Perspectives in Health Care," Neeley MBA Healthcare Club Panel Event, Hubli EH, Texas Christian University, November 5
2011	"Leading Organization Change," Hubli EH, Tubb LL, Champlin DR, presented at the Texas Quest for Excellence conference, Irving, Texas, June 28
2011	"Using Agility and Innovation for Sustainability," Hubli EH, Tubb LL, Champlin DR, presented at the Texas Quest for Excellence conference, Irving, Texas, June 28





2011	"Addressing Strategic Challenges," Hubli EH, Tubb LL, Champlin DR, presented at the Texas Quest for Excellence conference, Irving, Texas, June 28
2011	"The Management of Facial Trauma & Injuries," Hubli EH, presented at the Cook Children's Third Annual SPORTS Symposium, Fort Worth, Texas, June 29
2010	"A Primer on Managing a Patient with a Cleft," Hubli EH, presented to residents at the Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 29
2010	"Reconstructive Horizons, Challenges from the World of Pediatrics," Hubli EH, presented at the Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 27
2010	"Surgical Approaches to the Craniofacial Skeleton," Hubli EH. Anatomical dissection at the Mayo Clinic Symposium in Reconstructive Surgery, Rochester, Minnesota, June 24
2010	"Patient Satisfaction," Hubli EH, presented at Society for Healthcare Consumer Advocacy Annual Conference 2010: Strengthening the Foundation of Patient Advocacy, Pittsburgh, Pennsylvania, April 15
2010	"Cleft Palate Management Infancy to Adulthood," Hubli EH, presented at the Odessa Regional Medical Center continuing medical education program, Odessa, Texas, March 5
2010	"Converting the Believers: The Use of Internal Marketing to Define and Refine Corporate Culture," Hubli EH, presented at the Harvard School of Public Health, Cambridge, MA, January 8
2010	"Advances in Cleft Care," Hubli EH, presented at the Texas Technical University Health Science Center Grand Rounds, Lubbock, Texas, January 4
2009	"Innovations to Cleft Care," Hubli EH, presented at the International Confederation for Cleft Lip and Palate and Related Craniofacial Anomalies CLEFT 2009 Symposium, Fortaleza, Brazil, September 10-13
2009	"Patient Satisfaction: What, Why and How," Hubli EH, presented at the Texas Alliance for Patient Services 2009 Annual Conference: Power Tools for Patient Advocacy, Westlake, Texas, September 10
2009	"Perplexing Microsurgical Challenges in the Pediatric Craniofacial Arena," Hubli EH, presented at the Mayo Clinic Symposium, Rochester, Minnesota, June 4-5





2009	"Managing a Mid-Life Career Change," Hubli EH, presented at Harvard, Cambridge, MA, March 3
2009	"Cleft Palate Management from Infancy to Adulthood," Hubli EH, presented to the Wesley Medical Center, Wichita, Kansas, January 30
2006	"Teach Them to Fish: The Smile Train Approach to International Cleft Care," Hubli EH, presented at the International Conference on Youth and Education for the 21st Century, Corpus Christi, Texas, May 30 – June 2
2005	"The Integration of E-Health in a Regional Craniofacial Cleft Lip/ Palate Treatment Center," Hubli EH, Hopkins KS, Reyna M, presented at the American Cleft Palate-Craniofacial Association 62nd annual meeting, Myrtle Beach, SC, April 6
2004	"State of the Art: Management of the Cleft Lip and Palate Patient from Infancy to Adulthood," Hubli EH, presented at Pediatric Grand Rounds, Valley Baptist Medical Center, Harlingen, Texas, November 17
2004	"Management of the Cleft Lip and Palate Patient from Infancy to Adulthood," Hubli EH, presented as part of the Evening with an Expert Lectureship Series, Citizens Medical Center, Victoria, Texas, November 2
2004	"An Internet Based Method of Quality Assessment in Distance Medicine: Creating a New Standard of Care," Hubli EH, presented at the American Cleft Palate-Craniofacial Association 61 st annual meeting, Chicago, IL, March 15-20
2003	"An Internet Based Method of Quality Assessment in Distance Medicine: Creating a New Standard of Care," Hubli EH, presented at the American Society of Plastic Surgeons, Plastic Surgery Education Foundation, American Society of Maxillofacial Surgery 72nd Annual Scientific Meeting, San Diego, CA, October 25-29
2003	"Comprehensive Cleft Care: Managing the Patient from Infancy to Adulthood," Hubli EH, Department of Plastic Surgery Lecture Series, University of North Carolina at Chapel Hill, NC, March
2001	"The Team Approach to Comprehensive Cleft Care," Hubli EH, presented at Grand Rounds, Prince William Hospital, Manassas, Virginia, March
2000	"A Pediatrician's Primer on the Diagnosis and Management of the Cleft Lip and Palate Patient," Hubli EH, presented at Pediatric Grand Rounds, INOVA Hospital for Children, Falls Church, Virginia, September
2000	"Respiratory Considerations in the Management of the Craniofacial and Cleft Lip and Palate Patient," Hubli EH, presented at the Spring Seminar 2000 Interdisciplinary Update, Dallas, Texas, March 17
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1999	"Development and Application of Uni- and Bi- Directional Mandibular Distraction Techniques," Hubli EH, presented at the AO ASIF Distraction Osteogenesis Course, Chicago, Illinois, December 11-12
1999	"Management of the Cleft Lip and Palate Patient," Hubli EH, presented as part of the University of Texas at Dallas Speech Pathology Core Curriculum, Dallas, Texas, December 16
1999	"The Expanding Role of Distraction Osteogenesis in the Management of Midfacial Deficiencies," Hubli EH, presented at the AO ASIF Challenges and Advances in Craniomaxillofacial Trauma and Reconstruction Course, Dallas, Texas, November 13-14.
1999	"An Introduction to Mandibular Distraction," Hubli EH, presented at the AO ASIF Challenges and Advances in Craniomaxillofacial Trauma and Reconstruction Course, Dallas, Texas, November 13-14
1999	"Advances in Midfacial Distraction: The Development of an Internal Multi-planar Device," Hubli EH, Salyer KE, presented at the AO ASIF FORK Grant Meeting on Distraction Osteogenesis, Zurich, Switzerland, November 6-7
1999	"Primary Cleft Nasal Repair," Hubli EH, Salyer KE, presented at the VIIth Congress of the Polish Society of Plastic, Reconstructive and Aesthetic Surgery, Polanica, Poland, May 27-29
1999	"Techniques in Mid-Face Advancement," Hubli EH, Salyer KE, presented at the VIIth Congress of the Polish Society of Plastic, Reconstructive and Aesthetic Surgery, Polanica, Poland, May 27-29
1999	"An Introduction to Distraction Osteogenesis," Hubli EH, presented at the Alexandre Georgescu Hospital for Children, Bucharest, Romania, May 26
1999	"Management of the Cleft Lip and Palate Patient from Infancy to Adulthood," Hubli EH, presented at the Alexandre Georgescu Hospital for Children, Bucharest, Romania, May 25
1999	"The Team Approach to Craniofacial Surgery," Hubli EH, presented at the Alexandre Georgescu Hospital for Children, Bucharest, Romania, May 25
1999	"Dental Considerations in the Management of the Cleft Lip and Palate Patient," Hubli EH, presented to the Baylor School of Dentistry Graduate Students, Dallas, Texas, April 27





1998	"Management of the Cleft Lip and Palate Patient," Hubli EH, presented as part of the University of Texas at Dallas Speech Pathology Core Curriculum, Dallas, Texas, December 3
1998	"Techniques and Recent Advances in Craniofacial Surgery," Hubli EH, Salyer KE, Hopkins KS, presented at the First International Teleconference on Craniofacial Deformities in conjunction with Fortaleza, Brazil, December 2
1998	"If I had a Hammer: Indications and Contraindications for Distraction Osteogenesis in the Craniofacial Skeleton," Hubli EH, presented at the Texas Society of Plastic Surgeons Annual Meeting, Galveston, Texas, November 14
1998	"Spiral Osteotomy: A New Technique for Cranial Vault Reconstruction in Craniosynostosis, Genecov DG, Hubli EH, Salyer KE, presented at the ASPRS Annual Meeting, Boston, Massachusetts, October 7
1998	"Five Years of Distraction Osteogenesis – Lessons Learned," Hubli EH, presented at the AO Synthes First Annual Instructional Course on Distraction Osteogenesis, Chicago, Illinois, August 22-23
1998	"Spiral Osteotomy: A New Technique for Cranial Vault Reconstruction in Craniosynostosis," Genecov DG, Hubli EH, Salyer KE, presented at the American Cleft Palate-Craniofacial Association 55 th Annual Meeting, Baltimore, Maryland, April 22-26
1998	"An Introduction to Diagnosis and Management of the Cleft Lip and Palate Patient: The Early Years," Hubli EH, presented at Medical City Dallas Hospital Pediatric Nurse Lecture Series, March 19
1998	"An Introduction to the Diagnosis and Surgical Management of Craniosynostosis," Hubli EH, presented at Medical City Dallas Hospital Pediatric Nurse Lecture Series, March 3
1998	"Dental Considerations in the Management of the Cleft Lip and Palate Patient," Hubli EH, presented to the Baylor School of Dentistry Graduate Students, Dallas, Texas, February 12
1998	"Unusual Occurrences in Distraction Osteogenesis," Hubli EH, presented at the AO Synthes Distraction Research Retreat, Paoli, Pennsylvania, February 7
1998	"Implications and Management of Cleft Lip and Palate," Hubli EH, presented at Pediatric Grand Rounds, Children's Hospital at Medical City Dallas Hospital, Dallas, Texas, January 6





1997	"A Progressive Approach to Bone Fixation and Substitution in the Growing Child," Hubli EH, Salyer KE, presented at the Biomaterials Symposium, Atlanta, Georgia, August 7-9
1997	"Apert Syndrome: A Review of Speech, Language, Cognitive and Other Co-Existing Disorders," Altuna D, Salyer KE, Fearon JA, Hubli EH, presented at the VII International Congress of the International Society of Craniofacial Surgery in Sante Fe, New Mexico, September 14-17
1997	"The Evolution of the Team Concept in Cleft and Craniofacial Surgery," Hubli EH, presented at the annual national meeting of the Pierre Fouchard Academy, Sao Paulo, Brazil, August 8
1997	"Current Concepts and Recent Advances in Distraction Osteogenesis," Hubli EH, presented at the annual national meeting of the Pierre Fouchard Academy, Sao Paulo, Brazil, August 8
1997	"Cleft Care from Infancy to Adulthood: A Comprehensive Approach," Hubli EH, presented at the annual national meeting of the Pierre Fouchard Academy, Sao Paulo, Brazil, August 8
1997	"Distraction Osteogenesis of the Costochondral Neomandible: A Clinical Experience," Hubli EH, Salyer KE, Corcoran J, presented at American Cleft Palate-Craniofacial Association 54th Annual Meeting in New Orleans, Louisiana, April 11
1997	"Apert Syndrome: A Review of Speech, Language, Cognitive and other Coexisting Disorders," Mulick-Altuna D, Salyer KE, Fearon JA, Hubli EH, Munro IR, presented at American Cleft Palate-Craniofacial Association, 54th Annual Meeting in New Orleans, Louisiana, April 11
1997	"The Prevalence of Swallowing Disorders in the Craniofacial Population," Mulick-Altuna D, Salyer KE, Hubli EH, Fearon JA, presented at American Cleft Palate-Craniofacial Association, 54th Annual Meeting in New Orleans, Louisiana, April 11
1997	"Diagnosis and Management of the Plagiocephalic Patient," Hubli EH, presented to Dallas area Occupational and Physical Therapy Group, Dallas, Texas, February 28
1996	"The Role of the Pediatric Nurse in the Management of the Craniofacial Patient," Hubli EH, presented to the Society of Pediatric Nurses, Dallas, Texas, December 3





1996	"Distraction Osteogenesis of the Mandible and Maxilla: A Clinical Experience," Salyer KE, Corcoran J, Hubli EH, presented at the 5th Congress of Italian and American Plastic Surgeons, San Francisco, California, November 14-16
1996	"The Future of Distraction Osteogenesis of the Mandible and Maxilla," Hubli EH, presented at the ASPRS Annual Meeting, Dallas, Texas, November 11, 1996
1996	"Management of the Cleft Lip and Palate Patient," Hubli EH, presented as part of the University of Texas at Dallas Speech Pathology Core Curriculum, Dallas, Texas, October 23
1996	"Cranial Vault Surgery: Indications for Surgery," Hubli EH, presented at Hospital Grand Rounds at Medical City Dallas Hospital, Dallas, Texas, October 14
1996	"Cranial Vault Surgery: Indications for Surgery," Hubli EH, presented to McAllen Pediatric Group, McAllen, Texas, October 9
1996	"Pediatric Nurses in the Team Approach to Craniofacial Surgery," Hubli EH, presented to the Dallas Pediatric Nurses Association at Medical City Dallas Hospital, Dallas, Texas, September 23
1996	"The Team Concept in the Management of the Cleft Lip and Palate Patient from Infancy to Adult," Hubli EH, Genecov EJ, presented at the International Meeting on Cleft Lip/Palate and Craniofacial Deformities, Sao Paulo, Brazil, September 5
1996	"Recent Advances in the Use of Distraction Osteogenesis in the Craniofacial Skeleton," Hubli EH, presented at the International Meeting on Cleft Lip/Palate and Craniofacial Deformities, Sao Paulo, Brazil, September 4
1996	"Cranial Vault Surgery: Indications for Surgery," Hubli EH, Grand Rounds presentation at Valley Medical Center, Harlingen, Texas, August 14
1996	"Speech Considerations in Management of the Cleft and Craniofacial Patient," Hubli EH, presented to the Richardson Independent School District Speech Pathology Group, Dallas, Texas, May 30
1996	"Total Cranial Vault Remodeling - A Safe, Effective Treatment for Cranial Vault Remodeling," Hubli EH, Allegra P, Salyer KE, presented at the Texas Society of Plastic Surgeons Annual Meeting, San Antonio, Texas, May 9-12
1996	"Demineralized Bone Implants in Craniofacial Surgery: A Five-Year Experience," Salyer KE, Hubli EH, Corcoran J, presented at the Texas Society of Plastic Surgeons Annual Meeting, San Antonio, Texas, May 9-12





1996	"A Technique for Posterior Cranial Vault Expansion and Creation of Biparietal Eminences," Salyer KE, Corcoran J, Hubli EH, Shapiro K, presented at the Texas Society of Plastic Surgeons Annual Meeting, San Antonio, Texas, May 9-12	
1996	"Safety of Total Cranial Vault vs. Partial or Staged Cranial Vault Remodeling," Hubli EH, Allegra P, Salyer KE, presented at the American Cleft Palate - Craniofacial Association 52nd Annual Meeting, San Diego, California, April 28	
1996	"Fibrous Malunion as a Complication of Distraction Osteogenesis," Corcoran J, Salyer KE, Hubli EH, presented at the Craniofacial Surgery: State of The Art Symposium, New York, New York, March 20-23	
1995	"Congenital Craniofacial Deformities: What Can Be Done," Hubli EH, presented to the McAllen Family Practice Residency Program, McAllen, Texas, November 17	
1995	"Safety of Total Cranial Vault Remodeling vs. Partial or Staged Cranial Vault Remodeling," Hubli EH, Allegra P, Salyer KE, presented at the VI International Congress of Craniofacial Surgery, Saint Tropez, France, October 21-24	
1995	"The Timing and Sequencing of Surgical Intervention in Apert and Crouzon Disease," Salyer KE, Hubli EH, Allegra P, presented at the VI International Congress of Craniofacial Surgery, Saint Tropez, France, October 21-24	
1995	"The Role of Distraction Osteogenesis in Craniofacial Surgery," Hubli EH, presented at the Texas Society of Plastic Surgeons, Dallas, Texas, May 19-20	
1995	"Management and Treatment of Cleft Lip and Palate," Hubli EH, presented at the Medical Center of Plano Hospital, Texas Nurses Association, Plano, Texas, August 28	
1995	"An Algorithm of the Effective Use of Plating Systems in the Pediatric Population," Allegra P, Hubli EH, Salyer KE, Texas Society of Plastic Surgery Annual Meeting, Dallas, Texas, May 19-20	
1994	"Distraction Osteogenesis in Orthognathic and Craniofacial Surgery," Genecov E, Salyer KE, Hubli EH, Genecov J, presented at the Southwestern Society of Orthodontists (Poster Exhibit), Houston, Texas, September 23-26	
1994	"Demineralized Perforated Bone as an Allograft in the Craniofacial Skeleton," Hubli EH, Hopkins KS, Bardach J, Kelly K, Salyer KE, presented at the First International Conference on Bone Morphogenic Protein, Johns Hopkins University, Baltimore, Maryland	





1994	"New Uses for Demineralized Bone: Applications in the Management of Cleft Lip and Palate," Hubli EH, Salyer KE, presented at the Texas Society of Plastic Surgery Meeting, Austin, Texas	
1994	"Use of Demineralized Bone in the Secondary Correction of Skeletal Deformities Associated with Cleft Lip/Palate," Hubli EH, Salyer KE, presented at the American Cleft Palate - Craniofacial Association 51st Annual Meeting, Toronto, Ontario, Canada	
1994	"Distraction Osteogenesis of the Mandible - The Dallas Experience," Hubli EH, Salyer KE, presented at The First International Symposium on Distraction Osteosynthesis, New York, New York	
1994	"Distraction Osteogenesis: A Role in the Management of Cleft Patients," Hubli EH, Salyer KE, presented at the International Symposium on Surgical Techniques in Cleft Lip and Palate: Solving Difficult Problems, Dallas, Texas, April 16	
1993	"Free flap Reconstruction of Middle Cranial Fossa Defects," Hubli EH, Erlichman RH, presented at the Senior Residents Conference, San Diego, California	
1991	"Freeflap Reconstruction of Middle Cranial Fossa Defects," Hubli EH, Erlichman RH, presented at the Biannual Boston Area Plastic Surgery Conference, Boston, Massachusetts	
Video Presentations		
1995	"The Techniques of Mandibular Distraction," visiting lecturer, Hubli EH, video presented at the Riyadh Armed Forces Hospital, Riyadh, Saudi Arabia, January 22-26	
1994	"The Technique of Mandibular Distraction," Hubli EH, Salyer KE, Colyer JW, video presentation at the American Society of Plastic and Reconstructive Surgeons Annual Scientific Meeting, San Diego, California	
1994	"Surgical Management of the Bilateral Cleft Lip and Nose Deformity," Salyer KE, Hubli EH, video presentation at the American Society of Plastic and Reconstructive Surgeons Annual Scientific Meeting, San Diego, California	
1993	"Lamellar Split Orbital Facial Osteotomy: An Update," Salyer KE, Hubli EH, Hall C, Bruce D, Shapiro K, video presented at the Clinical Congress of the American College of Surgeons Annual Meeting, San Francisco, California	
1992	"Inferior Pedicle Technique of Reduction Mammoplasty," Anastasi GW, Hubli EH, Boston University Video Teaching File.	

Meredith Hulsey, DO

3609 Patty Lane Arlington, TX 76016 Cell 972-824-2369 meredithhulsey@gmail.com

CV updated 7/2017

Certifications

12/2009 AP/CP Board Certification & CAP Fellow SEP

MOC approved 1/12, 1/14, 1/16

7/2017 CAP-certified Multi-disciplinary Breast Pathology Specialist

Career

1/2014 – current Pathologist for Ameripath/ Quest

Medical City Arlington, Texas General Hospitals, others

Fall 2015 & Spring 2016 TCU Pathophysiology Nursing Guest Lecturer

10/2012 – 1/2014 Pathologist for ReitPath

Seton Medical Centers Harker Heights, North Austin

11/ 2009 – 9/2012 Pathologist for Propath

John Peter Smith Hospital Fort Worth, TX

8/ 2008 – 10/ 2009 Pathologist for Midland Pathology Associates

Midland Memorial Hospital, Medical Center Hospital of Odessa

Training

4-7/2017 CAP Advanced Pathology Practice Breast Specialty Program

7/2004 – 7/2008 AP/CP residency Baylor University Medical Center Dallas, TX

7/ 2003- 6/ 2004 Ob/Gyn internship St. Joseph's Christus Hospital Houston, TX

pg. 1 of 2

Meredith Hulsey, DO

3609 Patty Lane Arlington, TX 76016 Cell 972-824-2369 meredithhulsey@gmail.com

CV updated 7/2017

Education

 $8/1999 - 5/2003_{SEP}$ Doctor of Osteopathy

University of North Texas Health Science Center Fort Worth, TX

9/1995- 8/ 1999 B. S. Biology B.

University of Texas at Arlington Arlington, TX Midwestern State University Wichita Falls, TX

Strengths/ Special Interests

Pathology: Cytopathology and FNA procedures; Breast, Gynecologic, & Head and Neck oncology cases; Transfusion Medicine; Hematology

Public Speaking (lecturing, tumor board, HCA Sarah Cannon consultant)

Teaching/ Mentoring-- SEP

Guest Lecturer TCU with Dr. Dennis Cheek, Nursing Pathophysiology course [1]

Quarterly lectures for med techs at Medical Center Arlington and Texas General Grand Prairie

3rd and 4th year med students rotating through pathology at JPS [SEP]

Monthly lectures to Ob/Gyn residents in Odessa and JPS

Administrative leadership--[SEP]

Medical Lab Director for 1) Texas General Hospital in Grand Prairie, 2) TGH in Grand Saline, and 3) Crescent Medical Center Lancaster

Medical Executive Committee [SEP]

Credentialing Committee [1]

Chair Blood Utilization Committee

pg. 2 of 2

KARIM S. JAMAL, M.D., F.R.C.P.C.

2901 Merrimac St. Ft. Worth, TX 76107 817-455-9123 karimiamal@me.com

PRESENT POSITION Since 2001

Full-time Emergency Room Physician

Harris Methodist Hospital

Downtown Ft. Worth, Fort Worth, TX

PAST STAFF POSITIONS

Full-time Emergency Room Physician (8/99 – 10/01)

John Peter Smith Hospital (Level I), Fort Worth, TX

Walls Regional Hospital ER Asst. Medical Director (Level IV), Cleburne, TX

AMR (American Medical Response) Medical Director – Johnson County

Clinical Assistant Professor of Family Practice (7/95 - 7/99)

University of Texas at San Antonio

(through Memorial Medical Center Family Practice Program In Corpus Christi, TX)

The Hospitalist Group Co-Founder and Medical Director (7/96 - 10/98)

Gulf Coast Medical Clinic, Corpus Christi, TX

Internal Medicine Group Practice (10/94 - 07/96)

Gulf Coast Medical Clinic, Corpus Christi, TX

CERTIFICATION & LICENSURE

Diplomate of the American Board of Internal Medicine

1993 ABIM certifying exam: 97th percentile core component,

98thpercentile non-core component

Fellow of the Royal College of Physicians of Canada

Unrestricted Texas Medical License

FELLOWSHIP

1993 – 1994

General Internal Medicine Clinical Fellowship

University of Calgary, Calgary, Alberta Foothills Hospital/Calgary General Hospital Concentration in ICU/critical care and cardiology

RESIDENCY

1990 - 1993

Internal Medicine Residency, Core Program

University of Calgary, Calgary, Alberta

Recognition by the Department of Medicine Clinical Clerkship

Committee for outstanding teaching in 1991 and 1992

MEDICAL SCHOOL

1986 - 1990

Doctor of Medicine

Queen's University Medical School, Kingston, Ontario

UNDERGRADUATE

PROGRAM 1982 - 1986

Bachelor of Science, Magna Cum Laude

subspecialist would know them.

Zoology and Chemistry, Texas Tech University, Lubbock, Texas

PROFESSIONAL GOAL

Sometime early in my clinical years, I was rightly taught that "if your only tool was a hammer; you would see everything as a nail." Since then and on many occasions I've relearned this lesson, and have thus resolved to remain broad in my knowledge. In each medical sub-specialty there are a handful of problems that comprise the bulk and it has been my ambition and goal to know these problems well as well as a

UNI HEALIH



Revised [8/21/2017]

Adam Jennings, DO, FAAEM
Director of Medical Simulation
Core Faculty JPS EM residency
Adam.R.Jennings@gmail.com

817-944-6707

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
2001-2005	B.A. Forensic Scienc, Minor- Biology/Chemistry	Baylor University, Waco, TX
	Willion - Biology/ Cherristry	

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
2007-2011	Doctor of Osteopathic Medicine	Lake Erie College of Osteopathic
		Medicine, Erie, PA

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
2011-2014	Residency, Emergency Medicine	John Peter Smith Hospital, Fort
		Worth, TX

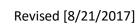
BOARD CERTIFICATION:

Year Certified	Board	Specialty
2015	ABEM	Emergency Medicine

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
2007	TX TMB, FJ3449	August 2019

Chronology of Employment







OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
2014-Present	Emergency Physician	John Peter Smith Hospital, Fort Worth, TX
2015-Present	Emergency Physician	Texas General Hospital, Grand Prairie, TX
2017-Present	Emergency Physician	Emergis ER, Fort Worth, TX
2014-2016	Emergency Physician	Huguley Hospital, Burleson, TX

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2014-2017	Emergency Medicine/JPS	EM Clerkship Director
2014-2017	Emergency Medicine/JPS	Assistant Residency Program Director
2017-Present	Emergency Medicine/JPS	Director of Medical Simulation

Honors and Awards

Years	Honor/Award Type	Institution	
2016	Teaching Faculty of the year for EM	JPS	
2016	Physician of the year in EM	360 West Magazine	

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country		
2014-2017	Assistant Residency Program Director	John Peter Smith, Fort Worth, TX		

Symposium/Meeting Chair/Coordinator

Years	Title/Role,	Institution, City, State, Country
2015-Current	Chair Clinical Competency Committee	JPS, Fort Worth, TX







TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

Courses Directed

Inclusive years (2014-2017)	Emergency Medicine MS-IV Clerkship	12-blocks annually	Medical Students	Avg- 8/month
2016-2017	Simulation Curriculum	4x 4hr sessions monthly	EM PGY 1-3	12- 16/month

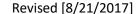
Clinical Teaching

Inclusive years	Emergency Med.	Number of times	MSIV elective.	50-
(2014-2017)	Preceptor	the course is		60/year
		taught annually		

Continuing Education Lectures/Presentations

Continuing Education Ecctures/11 Coefficients					
Inclusive years (2014-2016)	Nuts and bolts of EM-Intern orientation	Annual lecture		PGY-I orientation	12
2014-2017	OB Emergencies	Annual lecture	PG'	Y-I orientation	12
2014-2017	Medical student Small group lectures	Weekly Lecture	MS	IV EM students	4-10
2015-2017	Hemmoraghic Emergencies Part 1.	Annual Lecture	PGY 1-3, EM Conference		30+
2015-2017	Hemmoraghic Emergencies Part 2.	Annual Lecture		Y 1-3, EM nference	30+

Other Educational Activities







PEER-REVIEWED JOURNAL ARTICLES

Wang, H., Laureano, P., Robinson, R., Duane, T., Buca, S., Mackenzie, B., *Jennings, A.*, Miller, T., Zenarosa, N., Delaney, K., (2015). Predictors of mortality among initially stable adult pelvic trauma patients in the US: Data analysis from the National Trauma Data Bank, Injury, volume 46, Issue 11, *pages 2113-2117*.

BOOK CHAPTERS

1. Shneider, S, **Jennings**, A., (2017). Chapter 5: Medical Causes of Patients with Agitation: Systemic Illness. Cambridge University Press, University Printing House, Cambridge CB2 8BS, UK

Poster presentation

1. Wang, H., Jennings, A., Burton, Mandy (2013). Evaluating the accuracy of Interqual Acute Care Criteria in determining observation versus hospitalization need in congestive heart failure Patients in the emergency department. John Peter Smith Hospital research day.

PENDING PUBLICATIONS

Abstract(s)

Gray, C., Wang H., Chukwuma J., Martin, J., Jennings, A., Phillip, J., Buca, S., Robinson, R., High Risk Potential in Stable Pelvic Fractures Among Patients of Sub-Geriatric Age, October 2015, Annals of Emergency Medicine, Volume 66, Issue 4, Supplement, Page S126

OTHER PENDING SCHOLARLY ACTIVITY

- 1. **Jennings, A**. (2017). Emergency Medicine Procdures-By Eric Reichman, 3rd Edition. Pending Publish, Author-Mulitple Chapters, Intra-Ocular Pressure Measurement, McGraw Hill Medical, USA.
- 2. **Jennings, A.** (2017). Emergency Medicine Procdures-By Eric Reichman, 3rd Edition. Pending Publish, Author-Mulitple Chapters, Corneal Rust Ring Removal, McGraw Hill Medical, USA.
- 3. **Jennings, A**. (2017). Emergency Medicine Procdures-By Eric Reichman, 3rd Edition. Pending Publish, Author-Mulitple Chapters, Eye Patching and Eye Shields, McGraw Hill Medical, USA.
- 4. **Jennings, A.** (2017). Emergency Medicine Procdures-By Eric Reichman, 3rd Edition. Pending Publish, Author-Mulitple Chapters. Globe Luxation Reduction, McGraw Hill Medical, USA.
- 5. **Jennings, A.** (2017). Emergency Medicine Procdures-By Eric Reichman, 3rd Edition. Pending Publish, Author-Mulitple Chapters, Tympanocentesis, McGraw Hill Medical, USA.

D. ROHAN JEYARAJAH, MD, FACS

CURRICULUM VITAE

OFFICE ADDRESS Director of GI Surgical Services,

Methodist Richardson Medical Center, 2831 E. President George Bush Hwy,

Richardson, TX 75082

Director of HPB/UGI Fellowship Program,

Methodist Dallas Medical Center

1441 N. Beckley Ave. Dallas, TX 75203

OFFICE

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rohanjeyarajah@gmail.com

HOME ADDRESS 976 Bethel School Road

Coppell, Texas 75019

PERSONAL DATA Date of Birth: January 12, 1965

Place of Birth: Colombo, Sri Lanka

Wife: Shemara Keshini

Children: Three

EDUCATION Brown University

Providence, RI MD, May 1989

Brown University Providence, RI BA Biology, 1986

RESIDENCY University of Chicago

Chicago, IL General Surgery 1989 – 1991

FELLOWSHIP University of Chicago

NIH Fellowship in Transplant Immunology

1991 - 1993

Baylor University Medical Center

Transplant Surgery Fellow

1996 - 1997

LICENSURE Texas – K3263

BOARD American Board of Surgery, 1997/ recertification 2005

CERTIFICATION Fellow, American College of Surgeons, 2000

APPOINTMENTS

Methodist Richardson Medical Center Director, GI Surgical Services July 2016-present

Methodist Dallas Medical Center Director, Surgical Oncology Sept 2005-July 2016

Methodist Dallas Medical Center Director, HPB/ Upper Gastrointestinal Surgical Fellowship July 2006-Present

Methodist Dallas Medical Center Vice Chair, Clinical Research Institute-Research Advisory Board 2013-Present

University of North Texas Health Science Center Adjunct Clinical Associate Professor of Surgery 2012- Present

Uniformed Services University of the Health Sciences Adjunct Assistant Professor of Surgery 2015 - Present

University of Texas Southwestern Medical Center, Dallas, Texas Associate Professor, Department of Surgery 2003 – 2005

University of Texas Southwestern Medical Center, Dallas, Texas Director, Surgical Continuing Medical Education June 2004 –August 2005

University of Texas Southwestern Medical Center, Dallas, Texas Assistant Professor, Department of Surgery 1997 – 2003

HOSPITAL APPOINTMENTS

Methodist Dallas Medical Center, Dallas, Texas Sept 2005-present

Parkland Memorial Hospital, Dallas, Texas Attending Surgeon 1997 – 2005

Zale Lipshy University Hospital, Dallas, Texas Staff Surgeon 1997 – 2005 Veterans Administration Medical Center, Dallas, Texas Staff Surgeon 1997 – 2005

St. Paul Medical Center 5909 Harry Hines Blvd. Dallas, Texas 75235 Staff Surgeon, 2001 – 2005

GRANTS AND CONTRACTS

SIRTEX

February 2013-2015

Title: FIREFOX global study of Sirspheres Microspheres with FOLFOX in metastatic,

unresectable colorectal cancer. Role: Principle investigator

National Institute of Health (NIH)- R21 application

Scored 2/05- 159 (funded)

Title: Mechanism of Hepatic Control of E. Coli infection

Role: Principle Investigator

Surgical Infection Society – Jr. Faculty Fellowship Award

July 2001 – June 2002

Title: Acute Effects of Biliary Obstruction on Hepatic Response to Infection

Role: Principal Investigator

NIH - Grant #K08 DK02731

July 2000 - June 2005

Title: Acute Ischemic Renal Failure and Kidney-Liver Crosstalk

Role: Collaborator

Principal Investigator - Mariusz Kielar, MD

NIH – Project #R01 DK 54304

April 1999 - March 2003

Title: Renal Protection by Docosahexaenoic Acid

Role: Collaborator

Principal Investigator - Christopher Lu, MD

American Heart Association – Grant # 99660143Y

July 1999 – January 2002

Title: The Role of Liver Immunologic Activation in Other Organs Ischemia

Role: Collaborator

Principal Investigator - Mariusz Kielar, MD

American Heart Association, Texas Affiliate – Grant # 98BG054

July 1998 – December 2000

Title: Mechanism of action of docosahexaenoic acid (DHA) in ameliorating cardiac allograft

rejection

Role: Principal Investigator

ASSOCIATION MEMBERSHIPS

American Association for the Study of Liver Diseases

Fellow, American College of Surgeons

American Gastroenterological Association

American Hepato-Pancreato-Biliary Association

American Physiological Society

American Society of Transplant

Association for Academic Surgery

Dallas County Medical Society

Parkland Surgical Society

Society for Surgery of the Alimentary Tract

Society of Surgical Oncology

Surgical Infection Society

Society of American Gastrointestinal and Endoscopic Surgeons

Texas Medical Association

University of Chicago Surgical Society

COMMITTEES

American College of Surgeons Governor (October 2014- ongoing)

Chair, HPB Program Directors Committee AHPBA- 2009 – present

Co-Chair Education and Training Committee- AHPBA 2010-2013

Education Committee- American Hepato-Pancreatico-Biliary Association-August 2007- present

Co- chair Accreditations Committee of the Fellowship Council (2011-2012)

Chair, Fellowship Council Accreditation Committee (2012-2014)

Vice President of the Fellowship Council (2014- present)

Nominating Committee Fellowship Council-2011-ongoing

Site reviewer Fellowship Council- 2008-present

Membership Committee- Fellowship Council- 2009- present

Member Committee Fellowship Council- 2008- present

President North Texas American College of Surgeons (2015-present)

Vice Chair Giving Back Committee – Society for Surgery of Alimentary Tract (2015-present)

Member, Training Committee, SSO- 2013- present

Disparities Committee- Society of Surgical Oncology (2009-2012)

CME committee- Society of Surgical Oncology (2011-2013)

Training Committee –Society of Surgical Oncology (2013-present)

Publications Committee – American Hepato-Pancreatico-Biliary Association - Aug 2004-2007

Abstract Review Committee for 2005 Congress – Biliary Area

Moderator: Free Papers Pancreas/Biliary – 2005 Congress – April 2005

Education and Fellowship Committee – Surgical Infection Society – Aug 2004-2007

Research Committee – Surgical Infection Society-2004-2006

Reviewer Alimentary Pharmacology and Therapeutics

Reviewer Surgery

Reviewer J Surg Onc

Reviewer World Journal of Surgery

Reviewer Pancreas

Reviewer Archives of Surgery

Co-chair program committee of the North Texas Chapter of ACS (2011-present)

Program chair: An Update in HPB Surgery for the Community Surgeon SSO March 2011

Diversity and inclusion task force of the SSAT (2013-current)

Member of the research advisory council, Methodist Research Institute (2013-current)

Expert Panelist for Texas State Board of Medical Examiners (2013-current)

Methodist Dallas Medical Center

Member-Steering committee outpatient surgicenter-Methodist Dallas Medical Center 2009-2010

Member "Destination Medical Center" Advisory and steering group- 2012- present

Operating room committee Methodist Dallas Medical Center-2013-present

Member- Steering committee cancer program-Methodist Dallas Medical Center 2005-present

Tumor Board leader- 2005-present

Utilization review committee-Methodist Dallas Medical Center 2006- present

Health Information Management Commitee-2011-present

Cancer committee- Methodist Dallas Medical Center- 2006-present

Oncology Action Committee- 2008-present

UT Southwestern Medical Center

Pharmacy and Therapeutics Committee

Residency Review Committee 2000-2005

JCAHO Coordinator of Surgical Services-2000

Faculty Senate Representative / Dept. of Surgery-2003-2005

Director / Current Topics in General Surgery – May 2004/2005

Director / Surgical Continuing Medical Education UTSW – June 2004 - 2005

Executive Committee, Student & Curriculum Committee – June 2004- 2005

Surgery Student Education Committee- 1999- 2005

HONORS AND AWARDS

Outstanding Teacher award, Southwestern medical school-2008-2009

Outstanding Teacher award, Southwestern medical school-2007-2008

Keynote speaker memorial for cadaver donation- Feb 2009

Outstanding lecture first year medical student award- 2007

Faculty Marshall at Medical School graduation 2004 and 2005

GI Fellows Teacher of the Year Award 2002

Outstanding Achievement in Resident and Student Teaching Award, 1999

Golden Apple Teaching Award, 1996

Alpha Omega Alpha Teaching Award, 1996

Coller Memorial Traveling Scholarship, 1995

Young Investigator's Award, 1994

International Congress of Transplantation, Kyoto, Japan

National Institute of Health Training Grant, 1991-1993

Henry Randall Award in Surgery, 1989

Sidney A. Kane Memorial Fellowship, 1987-1989

FELLOWS TRAINED

Roozbeh Rassadi, MD FACS 2006-2007 Currently in practice Scottsdale AZ.

Christos Galanopoulos, MD FACS 2007-2008 HPB Surgeon Reno, NV.

David Curtis, MD 2008-2009 Assistant Professor University of Connecticut School of Medicine.

Derrick Christian, MD FACS 2009-2010 Assistant Professor Seton Hall, New Jersey.

Kevin Lowe, MD July 2010- 2011 HPB/Foregut Surgeon Akron General Hospital, Akron, OH.

Veeraiah Siripurapu, MD July 2011- 2012 Currently in practice Lankenau Medical Center, Wynnewood PA.

Houssam Osman, MD July 2012- 2013 Attending HPB Surgeon, Methodist Richardson Medical Center, Dallas TX.

Shirali Patel, MD- 2013-2014 Attending Surgeon, St Agnes Hospital, Baltimore, MD.

M. Raashid Sheikh, MD- 2014- 2015 Attending HPB Surgeon Edward-Elmhurst Health, Chicago, IL.

M. Umar Butt, MD – 2015- 2016 Attending General and Trauma Surgeon, EmCare Acute Surgical Care Specialists, Lewisville, TX.

PUBLICATIONS

Chapters

- 1. **Jeyarajah DR**, Rege R. Biliary Infection: Cholecystitis, Cholangitis. Current Therapy of Infectious Disease, 2nd edition; Mosby, Inc.; 157-159; 2000.
- 2. **Jeyarajah DR**, Rege RV. Open Cholecystectomy: When Is It Indicated? Current Surgical Therapy; 7th edition; Mosby, Inc.; 441-445; 2001.
- 3. **Jeyarajah DR**, Rege R. Operative Management of Cholangitis, Choledocholithiasis and Bile Duct Strictures in the septic patient. Shackleford's Surgery of the Alimentary Tract, 5th edition; W.B. Saunders Co., 219-228, 2002.
- 4. **Jeyarajah DR**, Harford WV. Diverticula of the Hypopharynx, Esophagus, Stomach, Jejunum and Ileum. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 7th Edition; Saunders, 359-368, 2002.
- 5. **Jeyarajah DR**, Harford WV. Abdominal Hernias and Their Complications, Including Gastric Volvulus. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 7th Edition; Saunders, 369-385. 2002.

- 6. Lu CY, Vazquez MA, Kielar ML, **Jeyarajah DR**, Zhou XJ. Renal Transplantation. Kelley's Textbook of Internal Medicine; 4th Edition; HD Humes, 1297-1304, 2002.
- 7. Rege RV, **Jeyarajah DR**. Antibiotic Selection in Biliary Surgery. Current Surgical Therapy, 8th edition; Mosby, Inc.; 2005.
- 8. **Jeyarajah DR**, Harford WV. Diverticula of the Hypopharynx, Esophagus, Stomach, Jejunum and Ileum. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 8th Edition; Saunders, 2006.
- 9. **Jeyarajah DR**, Harford WV. Abdominal Hernias and Their Complications, Including Gastric Volvulus. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 8th Edition; Saunders, 369-385. 2006.
- 10. **Jeyarajah DR**. ACCP Critical Care Board Review Course Syllabus 2005. American College of Chest Physicians, 2005.
- 11. **Jeyarajah DR**, Harford WV. Diverticula of the Hypopharynx, Esophagus, Stomach, Jejunum and Ileum. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 9th Edition; Saunders.
- 12. **Jeyarajah DR**, Harford WV. Abdominal Hernias and Their Complications, Including Gastric Volvulus. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 9th Edition; Saunders.
- 13. Dunbar, K, **Jeyarajah DR**. Diverticula of the Hypopharynx, Esophagus, Stomach, Jejunum and Ileum. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 10th Edition; Saunders.
- 14. Dunbar, K, **Jeyarajah DR**. Abdominal Hernias and Their Complications, Including Gastric Volvulus. Sleisenger and Fordtran's Gastrointestinal and Liver Disease; 9th Edition; Saunders.
- 15. **Jeyarajah DR**, Osman HG, Patel S. Advances in Management of Pancreatic Necrosis. Current Problems in Surgery; Volume 51, Number 9; Mosby; 365-408; September 2014.

Journals

- 1. Falcone PA, Barrall DT, **Jeyarajah DR**, Grossman JA. Non-operative management of full-thickness intravenous extravasation injuries in premature neonates using enzymatic debridement. *Ann Plast Surg.* 22 (2):146-9, 1989.
- 2. **Jeyarajah DR**, Thistlethwaite JR, Jr. General aspects of cytokine release syndrome: timing and incidence of symptoms. *Transplant Proc. 25 (2 suppl 1):* 16-20, 1993 Apr.
- 3. **Jeyarajah DR**, Schmeisser FS, Josephson MA, Sohn DG, Thistlethwaite JR, Jr. Low-dose anti-CD3 therapy provides long term graft survival in a Lewis rate to C57BL/6 xeno-transplantation model. *Transplant Proc.* 26 (2):771-3, 1994 Apr.

- 4. **Jeyarajah DR**, Schmeisser FS, Thistlethwaite JR, Jr. Prolongation of skin xenograft survival with concomitant donor bone marrow transplantation. *Transplant Proc.* 26 (3):1201-2, 1994 Jun.
- 5. Alegre M-L, Peterson Lj, Xu D, Sattar HA, **Jeyarajah DR**, Kowalkowski K, Thistlethwaite JR, Jr., Zivin RA, Jolliffe L, Bluestone JA. A non-activating "humanized" anti-CD3 monoclonal antibody retains immunosuppressive properties in vivo. *Transplantation.57* (11):1537-43, 1994.
- 6. Smith DM, Bluestone JA, **Jeyarajah DR**, Newberg MH, Engelhard VH, Thistlethwaite JR, Jr., Woodle ES. Inhibition of T-cell activation by a monoclonal antibody reactive against the Alpha 3 domain of human MHC class I molecules. *J Immunol.* 153 (3):1054-67, 1994.
- 7. Alegre M-L, Peterson LJ, **Jeyarajah DR**, Weiser M., Bluestone JA, Thistlethwaite JR. Severe combined immunodeficient mice engrafted with human splenocytes have functional human T cells and reject human allografts. *J Immunol.* 153 (6): 2738-49, 1994 Sept.
- 8. **Jeyarajah DR**, Kadakia RA, O'Toole K, Newell KA, Josephson MA, Spargo BH, Woodle ES, Thistlethwaite JR, Jr. Changes in urinary cytokine mRNA profile after successful therapy for acute cellular renal allograft rejection. *Transplant Proc.* 27 (1):887-9, 1995 Feb.
- 9. Abbasoglu O, Levy MF, Brkic BB, Testa G, **Jeyarajah DR**, Goldstein RM, Husberg BS, Gonswa TA, Klintmalm GB. Ten years of liver transplantation: An evolving understanding of late graft loss. *Transplantation*. 64 (12):1091-6, 1997.
- 10. **Jeyarajah DR**, McBride M, Gonwa TA. Combined liver-kidney transplant: What are the indications? *Transplantation*. 66 (4):1091-6, 1997.
- 11. **Jeyarajah DR**, Gonwa TA, McBride M, Testa G, Abbasoglu O, Husberg BS, Levy MF, Goldstein RM, Klintmalm GB. Hepatorenal syndrome: Combined liver-kidney transplantation versus isolated liver transplant. *Transplantation*. 64 (12): 1760-5, 1997.
- 12. **Jeyarajah DR**, Gonwa TA, Testa G, Abbasoglu O, Goldstein R, Husberg BS, Levy M, Klintmalm GB. Liver and kidney transplantation for polycystic disease. *Transplantation*. 27; 66 (4):529-32, 1998 Aug.
- 13. Prabhakar G, Testa G, Abasoglu O, **Jeyarajah DR**, Goldstein RM, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. The safety of cardiac surgery in the liver transplant patients. *Ann Thorac Surg.* 65 (4):1060-4, 1998.
- 14. **Jeyarajah DR**, Netto GJ, Lee SP, Testa G, Abbasoglu O, Husberg BS, Levy MF, Goldstein RM, Gonwa TA, Tillery GW, Crippin JS, Klintmalm GB. Recurrent primary sclerosing cholangitis after orthotopic liver transplantation: is chronic rejection part of the disease process? *Transplantation*. 66 (10):1300-6, 1998 Nov.

- 15. Testa G, Goldstein RM, Toughanipour A, Abbasoglu O, **Jeyarajah DR**, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. Guidelines for surgical procedures after liver transplantation. *Am Surg.* 227 (4) 590-9, 1998.
- 16. **Jeyarajah DR**, Klintmalm GB. Is liver transplantation indicated for cholangiocarcinoma? *J Hepatobiliary Pancreat Surg.* 5 (1):48-51, 1998.
- 17. **Jeyarajah DR**, Kielar M, Penfield J, Lu CY. Docosahexaenoic acid (DHA), component of fish oil, inhibits nitric oxide (NO) production in vitro. *J Surg Res.* 83 (2):147-50, 1999 May.
- 18. Lu CY, Penfield ML, Kielar ML, Vasquez MA, **Jeyarajah DR**. Hypothesis: Is renal allograft rejection initiated by a response to injury sustained during the transplant process? *Kidney International*. 55 (6):2157-68, 1999 Jun.
- 19. Penfield JG, Davidson IA, Ar'Rajab A, Kielar MA, **Jeyarajah DR**, Lu CY. Syngeneic renal transplantation increases the number of renal dendritic cells in the rat. *Transplant Immunology.* (4):197-200, 1999 December 7.
- 20. Penfield JG, Wang Y, Li S, Kielar MA, Sicher SC, **Jeyarajah DR**, Lu CY. Transplant surgery injury recruits recipient MHC class II- positive leukocytes into the kidney. *Kidney Int.*. 56 (5):1759-69, 1999 November.
- 21. Scott DJ, Bergen PC, Euhus DM, Guo W, **Jeyarajah DR**, Laycock R, Rege RV, Tesfay ST, Thompson WM, Valentine RJ, Jones DB. Intense laparoscopic skills training improves operative performance of surgery residents. *Am College of Surgeons, Surgical Forum.* 670-671, 1999.
- 22. Meyer P, Nwariaku O, McClelland RN, Gibbons D, Leach F, Sagalowsky AL, Simmang CL, **Jeyarajah DR**. Rare presentation of Actinomycosis as an abdominal mass. *Dis Colon and Rectum.* 43:872-875, 2000 Jun.
- 23. Kielar ML, **Jeyarajah DR**, Penfield JG, Lu CY. Docosahexaenoic acid decreases IRF-1 mRNA and thus inhibits activation of both the IRF-E and NF6d response elements of the iNOS promoter. *Transplantation*. 69 (10):2131-7, 2000 May 27.
- 24. Scott DJ, Bergen PC, Rege RV, Laycock R, Tesfay ST, Valentine RJ, Euhus DM, **Jeyarajah DR**, Thompson WM, Jones DB. Laparoscopic training on bench models: better and more cost effective than operating room experience? *American College of Surgeons.* 191(3):272-83, 2000 September.
- 25. Kielar ML, Sicher SC, Penfield JG, **Jeyarajah DR**, Lu CY. Nitric Oxide inhibits IFN-g induced increases in CIITA mRNA abundance an activation of CIITA dependent genes Class II MHC, Ii and H-2M. *Inflammation*. 24(5):431-45, 2000 *October*.
- Vazquez MA, **Jeyarajah DR**, Kielar ML, Lu CY. Long-term outcomes of renal transplantation: A result of the original endowment of the donor kidney and the inflammatory response to both alloantigens and injury. *Curr Opinion Nephrol and Hypertension*. 9 (6):643-8, 2000 Nov.

- 27. **Jeyarajah DR**. Localized Hepatocellular Carcinoma. *Current Treat Options Gastroenterol.* 3(6):463-472, 2000 Dec.
- 28. Scott DJ, Young WN, Watumull LM, Lindberg G, Fleming JB, Huth JF, Rege RV, **Jeyarajah DR**, Jones DB. Accuracy and effectiveness of laparoscopic vs open hepatic radiofrequency ablation. *Surgical Endoscopy.* 15(2):135-40, 2001 *Feb.*
- 29. Burdick JS, Garza AA, McGee DJ, Dykes C, **Jeyarajah DR**. Endoscopic management of afferent loop syndrome of malignant etiology. *Gastrointestinal Endoscopy*. 55(4): 602-5, 2002 Apr.
- 30. Kielar M, **Jeyarajah DR**, Lu CY. The regulation of ischemic acute renal failure by extrarenal organs. *Current Opinions in Nephrology and Hypertension*. 11: 451-457, 2002.
- 31. Kielar ML, **Jeyarajah DR**, Zhou XJ, Lu CY. Docosahexaenoic acid ameliorates murine ischemic acute renal failure and prevents increases in mRNA abundance for both TNF-α and inducible nitric oxide synthase. *Journal of the American Society of Nephrology*. *14*(2): 389-396, 2003 Feb.
- 32. **Jeyarajah DR**, Kielar M, Gokaslan ST, Lindberg G, Lu CY. Fas deficiency exacerbates cerulein-induced pancreatitis. *J of Investigative Surgery*. 16(6): 325-333, 2003 Nov-Dec.
- 33. **Jeyarajah DR**, Kielar ML, Frantz N, Lindberg G, Lu CY. Infection by gramnegative organisms via the biliary route results in greater mortality than portal venous infection. *Clin Diagn Lab Immunol*. 10(4):664-9, 2003 Jul.
- 34. **Jeyarajah DR**, Kielar ML, Zhon XJ, Zhang Y, Lu CY. Acute bile duct ligation ameliorates ischemic renal failure. *Nephron Physiology:* 95(2): 28-35, 2003.
- 35. Zhang Y, Woodward VK, Shelton JM, Richardson JA, Zhon XJ, Link D, Kielar ML, **Jeyarajah DR**, Lu CY. Ischemia/reperfusion induces G-csf gene expression by renal medullary thick ascending limb cells in vivo and in vitro. *AJP-Renal Physiology*. 2004 June 286(6); F1193-201 Epub. 2004 Jan 20.
- 36. **Jeyarajah DR**. Recurrent Pyogenic Cholangitis. Current Therapeutic Options in Gastroenterology. 7(2): 91-98, 2004 Apr.
- 37. Bell CL, **Jeyarajah DR.** Management of the cirrhotic patient that needs surgery. Curr *Treat Options Gastroenterol.* 8(6):473-80, 2005 Dec.
- 38. Kielar ML, John R, Bennett M, Richardson JA, Shelton JM, Chen L, **Jeyarajah DR**, Zhou XJ, Zhou H, Chiquett B, Nagami GT, Lu CY.Maladaptive role of IL-6 in ischemic acute renal failure. *J Am Soc Nephrol.* 16(11):3315-25, 2005 Nov. Epub. 2005 Sep 28.
- 39. Mayo M, Mosby J, **Jeyarajah DR**, Combes B, Khilnani S, Handem I, Grammer A, Lipsky P. The relationship between hepatic immunoglobulin production and

- CD154 expression in chronic liver diseases. *Liver Int.* 26(2):187-96, 2006 Mar.
- 40. Bell CL, Yorgason J, Jessen, ME, Joseph S, Jain T, **Jeyarajah DR**. Management of hepatic and intracardiac echonicoccal cysts: case report and review of the literature. *Surgical infection.* (3): 309-13, 2006 Jun 7.
- 41. **Jeyarajah DR**, Kielar ML, Saboorian M, Frantz NL, Lu CY. Impact of bile duct obstruction on hepatic E. coli infection: role of IL-10. *Am J Physiol Gastrointest Liver Physiol*. 291(1):G91-4, 2006 Jul.
- 42. Hamilton, L, **Jeyarajah DR**. Role of HgbA1c in predicting progression to diabetes after Whipple Procedure. *Journal of Hepatobiliary and Pancreatic Surgery*. 9(6):461-65, 2007.
- 43. **Jeyarajah, DR.** Minimally Invasive surgeries can remove tumors of the esophagus, liver, and pancreas. *Dallas Medical Journal*. 93(5), 2007 May.
- 44. Rassadi, R, **Jeyarajah, DR.** Nodal sampling in periampullary cancer: does it change your approach? *Journal of Hepatobiliary and Pancreatic Surgery*. *9*(*6*):461-5, 2007.
- 45. Rassadi, R, Jolley, TM, Saad, J, **Jeyarajah**, **DR**, Tarnasky, P. An unusual case of annular pancreas arising from the dorsal duct. *GI Endosc.* 67(3):544-5, 2008 *Mar*.
- 46. Sokolich, J, MD, Gonzalez, MV, MD, **Jeyarajah, DR, MD**, Rassadi, RR, MD, Dunn, E, MD. Hepatic echinoccocal cyst presenting as anaphylactic shock. *DMJ*. 94 (3), 2008 March.
- 47. Moldrem A, Broker H, Papaconstantinou H, Megison S, **Jeyarajah DR.** Late Presentation of Malrotation: An Argument for Elective Repair. *World J Surg.* 32(7):1426-31, 2008 Jul.
- 48. Rassadi, R, Dickerman, RM, Dunn, EL, Mejia, A, Tarnasky, P, Linder, JD, Cheng, S, **Jeyarajah**, **DR**. HPB surgery: what is the right fellowship for the right training? *Journal of Surgical Education*. 65(3):186-90, 2008 May-June.
- 49. Khithani, A, Curtis, D, Galanopoulos, C, **Jeyarajah**, **DR**. Pancreaticoduodenectomy after roux en y gastric bypass. *J Obes Surg.* 19(6):802-5, 2009.
- 50. Sokolich, J, Galanopoulos, C, Dunn E, Linder, JD, **Jeyarajah**, **DR**. Expanding the indications for laparoscopic gastric resection for GIST: size is not a limitation. *JSLS*. *13*(2):*165-9*, *2009 Apr-Jun*.
- 51. Hankins, D, Chao, S, Dolmatch, B, **Jeyarajah**, **DR**. Covered stents for late post-operative arterial hemorrhage after pancreaticoduodenectomy. *JVIR*. 20(3); 407-9, 2009 Mar.
- 52. Khithani A, Curtis, D, Dickerman R, **Jeyarajah**, **DR**. Extended drainage of the pancreatic duct after Pancreaticoduodenectomy. *Archives of Surgery*. 144(12) 1163-6, 2009 Dec.

- 53. Tarnasky, PR, MD, Linder, JL, MD, Mejia, A, MD, Dickerman, RD, MD, **Jeyarajah, DR**, MD, Cheng, S, MD. Bile duct obstruction after cholecystectomy due to clips: undo what has been undone, then do what you normally do. *Gastrointest Endosc.* 69(4):19-21, 2009 Apr.
- 54. Khithani A, Curtis D, Galanopoulos, C, Vo A, D. **Jeyarajah, DR**: Zero Leaks with Minimal Invasive Esophagectomy: a team-based approach. *JSLS*. *13*(4):542-9, 2009 Oct-Dec.
- 55. **Jeyarajah, DR**, Christos Galanopolos, Amit Khithani. The Whipstow Procedure: An Innovation modification to the whipple procedure. *American Surgeon*. 76(1) 71-2, 2010.
- 56. Christian, DJ, Khithani, A, Castro-Arreola, M, **Jeyarajah**, **DR**. Surgical Management of Gastric Varices and Morbid Obesity: A Novel Approach. *Surg Obes Relat Dis.* 6(4):448-450, 2010.
- 57. Chahal, P, Saad, AJ, **Jeyarajah DR**. An Unusual Case of Coexistent Serous Cystadenoma and Intraductal Papillary Mucinous neoplasm of the Pancreas: EUS to the Rescue! *JOP*. 12 (3):244-6, 2011 May 6.
- 58. Christian, DJ, Khithani, A, **Jeyarajah, DR**. Making liver transection even safer- a novel use of microwave technology. *Am Surg.* 77(4); 417-21, 2011 Apr.
- 59. Khithani, A, Vo, A, Tarnasky, P, Linder, **Jeyarajah, DR**. Feasibility of Pancreaticoduodenectomy in a non-university tertiary care center (NUTCC): What are the key elements of success? *Am Surg.* 77(5); 545-51, 2011 May.
- 60. Lowe K, **Jeyarajah DR** (2011) Integration of Surgery and Radioembolization in Treatment of Hepatic Tumors. J Nucl Med Radiat Ther 2:105.
- 61. Kevin Lowe, Amit Khithani, Alejandro Mejia, Stephen Cheng, **Jeyarajah**, **DR**. All lymph node positive patients are not equal: a new paradigm in gallbladder cancer. *Am Surg.* 78 (1): 147-8, *January* 2012.
- 62. Lowe, K., Khithani, A., Liu, E., Winston, T., Christian, D., Saad, J. and **Jeyarajah, D. R.** (2012), Ki-67 labeling: A more sensitive indicator of malignant phenotype than mitotic count or tumor size?. J. Surg. Oncol., 106: 724–727.
- 63. **Jeyarajah, DR**, Khithani, A, Siripurapu, V, Liu, E, Thomas, A, Saad, AJ. Lymph node retrieval in pancreaticoduodenectomy specimens: does educating the pathologist matter? HPB (Oxford) 2014 Mar; 16(3); 262-6
- 64. Mattar, SG, Alseidi AA, Jones DB, **Jeyarajah DR**, Swanstrom LL, Aye RW, Martinez JM, Ross SB, Awad MM, Franklin ME, Arrigui ME, Schirmer BD, Minter RM. General Surgery residency inadequately prepares trainees for fellowship: results of a survey of fellowship program directors. Ann Surg 2013 Sep 258(3): 440-9

- 65. Osman, H, Parikh, J, Patel, S, **Jeyarajah**, **DR**. Are general surgery residents adequately prepared for hepatopancreaticobiliary (HPB) fellowships? Questionnaire based Study. HPB(Oxford) 2-14 Nov 11 (E pub)
- 66. **Jeyarajah, DR**, Patel S, Osman, H. The current state of HPB fellowship experience in North America. J Surg Educ. 2015 Jan-Feb; 72 (1): 144-7. doi: 10.1016/j.jsurg.2014.07.006. Epub 2014 Dec 10.
- 67. Patel, S, Cheek, S, Osman, H, **Jeyarajah, DR**. MRI with Gadoxetate Disodium for colorectal liver metastases: is it the new "imaging modality of choice". J Gastrointest Surg. 2014 Dec 18(12):2130-5
- 68. Ali N, O'Rourke C, El-Hayek K, Chalikonda S, **Jeyarajah DR**, Walsh RM. Estimating the need for Hepato-Pancreato-Biliary Surgeons in the USA. HPB (Oxford). 2015 Apr; 17 (4): 352-6. doi: 10.1111/hpb.12370. Epbu 2014 Dec 29.
- 69. Minter, R, Alseidi, A, Hong, J, **Jeyarajah**, **DR**, Greig, P, Dixon, E, Thumma, J, Pawlik, T. Training in Hepatopancreatobiliary Surgery: Assessment of the Hepatopancreatobiliary Surgery Workforce in North America. Ann Surg. 2015.
- 70. Osman H, Parikh J, Patel S, **Jeyarajah DR**. Are General Surgery Residents Adequately Prepared for Hepatopancreatobiliary Fellowships? A questionnaire-based study. HPB (Oxford). 2015 Mar; 17 (3): 265-71. doi: 10.1111/hpb.12353. Epub 2014 Nov 11.
- 71. Banhead-Kendall B, Patel S, Saad J, **Jeyarajah DR**. Elevated fluid CEA levels in a Pancreatic Lymphoepithelial Cyst. Am Surg. 2015 May; 81 (5): E228-9.
- 72. Bressan, A, Edwards, J, Grondin, S, Dixon, E, Minter, R, **Jeyarajah, DR,** Ball, C. The adequacy of HPB training: How closely do perceptions of Fellows and Program Directors align? HPB (Oxford). 2015 Sep; 17 (9): 791-5. doi: 10.1111/hpb.12457.Epbu 2015 Jul 7.
- 73. Seshardri RM, Ali N, Warner S, Cochran A, Vrochides D, Iannitti D, **Jeyarajah DR**. Training and Practice of the Next Generation HPB surgeon: analysis of the 2014 AHPBA residents' and fellows' symposium survey. HPB (Oxford), 2015 Dec; 17 (12): 1096-104. doi:10.1111/hpb.12498. Epbub 2015 Sep 10.
- 74. Baker, E, Dowden, J, Cochran, A, Iannitti, D, Kimchi, E, Staveley-O'Carroll, **Jeyarajah**, **DR**. Qualities and Characteristics of Successfully Matched HPB Surgery Fellowship Candidates. HPB 2016.
- 75. **Jeyarajah, DR**. T2 Gallbladder Cancer-Aggressive therapy is warranted. The American Surgeon 2016.
- 76. Baker, E, Vrochides, V, Iannitti, D, Martinie, J, Rorabaugh, L, **Jeyarajah, DR**, Swan, R. Building the Non-University, Tertiary Care Center HPB Surgery Practice: Structural and Financial Considerations. The American Surgeon 2016.
- 77. Walsh RM, **Jeyarajah DR**, Matthew JB, Telem D, Hawn MT, Michelassi F, Reid-Lombardo KM. White Paper: SSAT Commitment to Workforce Diversity and Healthcare Disparities. J Gatrointest Surg. 2016 Mar 3.

- 78. **Jeyarajah DR**, Berman RS, Doyle M, Geevarghese SK, Posner MC, Farmer D, Minter RM. Consensus Conference on North American Training in Hepatopancreaticobiliary Surgery: A Review of the Conference and Presentation of Consensus Statements. Ann Surg Oncol. 2016 Mar 1.
- 79. **Jeyarajah DR**, Berman RS, Doyle M, Geevarghese SK, Posner MC, Farmer D, Minter RM. Consensus Conference on North American Training in Hepatopancreaticobiliary Surgery: A Review of the Conference and Presentation of Consensus Statements. Am J Transplant. 2016 Mar 1.
- 80. Ali,N, O'Rourke, C, el Hayek, Chalikonda, S, **Jeyarajah**, **DR**, Walsh, M. If you build it, they will come: estimating demands for HPB surgeons in the Unites States. (In press HPB.)
- 81. Osman, H, Siripurapu, V, Thomas, A, Liu, E, Winston, T, **Jeyarajah, DR**. A Surgeon's Story: A Continued Progression in Pancreaticoduodenectomies after a Decade Long Experience. (*In Review*).
- 82. Osman, H, Siripurapu V, Thomas, A, Liu, E, **Jeyarajah**, **DR**. Why reconstruct the Superior Mesenteric Vein in resectable pancreatic cancer when the Superior Mesenteric Artery margin is positive? (*In Review*).
- 83. Osman, H, Liu, E, Thomas, A, Winston, T, **Jeyarajah**, **DR**. Quicker return of bowel function with Alvimopan in patients undergoing Pancreaticoduodenectomy. (*In Review*).
- 84. Butt MU, Kenyon C, Osman H, **Jeyarajah DR.** Adult onset Ganglioneuroblastoma of the Duodenum: Case report and review of the Literature.(*In Review*)
- 85. Pardo F, Sangro B, Lee RC, Manas D, **Jeyarajah DR**, Donckier V, Maleux G, Pinna AD, Bester L., Morris DL, Iannitti D, Chow PK, Stubbs R, Gow PJ, Masi G, Fisher KT, Lau JW, Kouladouros K, Katsanos G, Ercolani G, Rotellar F, Bilbao I, Schoen M. The Post-SIR-Spheres Surgery Study (P4S): analysis of safety following hepatic resection or transplantation in patients previously treated with selective internal radiation therapy (SIRT) with yttrium-90 resin microspheres. (*In Review*)
- 86. Outcomes based on Resection Status for Pancreatic Adenocarcinoma in Patients undergoing Pancreaticoduodenectomy via "Superior Mesenteric Artery First Approach". Butt MU, Thomas A, Osman H, **Jeyarajah DR**. (*In Review*)
- 87. Neuroendocrine Tumor of the Extra-hepatic Bile Duct: A case report and review of literature. Butt MU, Dietermann D, Osman H, **Jeyarajah DR**. (*In Review*)
- 88. **Jeyarajah DR**, Kielar ML, Lindberg G, Gokaslan ST, Lu CY. Hepatic IL10 and IL1RA response to bile duct ligation ameliorates pancreatitis. (*In review*)
- 89. Butt MU, Osman H, **Jeyarajah DR**. Pancreatic Surgery Practice Patterns Are we really the same? (*In Preparation*)

- 90. Butt MU, Sheikh MR, Osman H, **Jeyarajah DR**. Change in Perception of training in Hepato-pancreato-biliary Surgery among Senior General Surgery Residents: AHPBA Fellowships on the rise. (*In Preparation*)
- 91. Walsh RM, **Jeyarajah DR**, Matthews JB, Telem D, Hawn MT, Michelassi F,Reid-Lomardo KM. White Paper: SSAT Commitment to Workforce Diversity and Healthcare Disparities. Journal of Gastrointestinal Surgery. 3 March 2016.
- 92. Baker EH, **Jeyarajah DR**. Qualities and Characteristics of Successfully Matched North American HPB Surgery Fellowship Candidates. HPB. 3 May 2016.
- 93. Baker EH, Dowden JE, Cochran AR, Iannitti DA, Kimchi ET, Staveley-O'Carroll KF, **Jeyarajah DR**. Qualities and Characteristics of Successfully Matched North American HPB Surgery Fellowship Candidates. HPB. 18 May 2016.
- 94. Sheikh MR, Osman H, Cheek S, Hunter S, **Jeyarajah DR**. Duodenal Neuroendocrine Tumors: Location Matters!. Am Surg. 2016 May.
- 95. Sheikh MR, Osman H, Butt U, **Jeyarajah DR**. Perception of Training in Hepatopancreatobiliary Surgery among General Surgery residents in the Americas. HPB. 12 Aug 2016.
- 96. Kennedy GT, McMillan, MT, Sprys, MH, Bassi C, Greig PD, Hansen PD, **Jeyarajah DR**, Kent TS, Malleo G, Marchegiani G, Minter RM, Vollmer CM. The Influence of Fellowship Training on the Practice of Pancreatoduodectomy. HPB. In Print.

Abstracts

- 1. Smith DM, **Jeyarajah DR**, Hussain S, Woodle ES, Thistlethwaite JR, Jr., Bluestone JA. Human T-lymphocyte activation in response to anti-CD3 monoclonal antibody, alloantigen or xenoantigen is inhibited by a monoclonal anti-HLA class I antibody. Joint meeting of the American Association of Immunologists [AAI] and the Clinical Immunology Society [CIS], Denver, Colorado.
- 2. Alegre M-L, Peterson LP, **Jeyarajah DR**, Kowalkowski K, Bluestone JA, Thistlethwaite JR, Jr. Immunomodulatory properties OKT3 in a model of SCID mice reconstituted with human splenocytes: prolongation of graft survival. Autoimmunology Conference, Chicago. May 1992.
- 3. **Jeyarajah DR**, Kielar M, Penfield J, Lu CY. Docohahexaenoic acid (DHA), a component of fish oil, inhibits nitric oxide (NO) production in vitro. Association of Academic Surgeons: 32nd Annual Meeting, Seattle, WA. November 1998. (Oral presentation).
- 4. Scott DJ, Valentine RJ, Bergen PC, **Jeyarajah DR**, et al. Intense laparoscopic skills training improves operative performance. American College of Surgeons. October 1999.

- 5. Bieligk SC, Huang H, Fleming JB, Anthony T, Jones DB, **Jeyarajah DR**, DeMaio M, Beitsch P, Huth JB, Rege RV. The utility of laparoscopy in the staging evaluation and management of upper gastrointestinal malignancies. American College of Surgeons North Texas Chapter. February 2000.
- 6. Scott DJ, Young WN, Watumull LM, Lindberg GM, Fleming JB, Huth JF, Rege RV, **Jeyarajah DR**, Jones DB. Intraoperative ultrasound assessment of hepatic radio frequency ablation. (Presentation). SSAT, San Diego, CA. May 22, 2000.
- 7. Kielar ML, **Jeyarajah DR**, Reed D, Wright BJ, Lu CY. The liver regulates renal ischemic injury: a possible role for renal IL6 and hepatic IL10? UT Southwestern Medical Center, Dallas, TX. Journal of the American Society of Nephrology. 2000.
- 8. Kielar ML, **Jeyarajah DR**, Reed D, Wright BJ, Lu CY. The abundance of mRNA for the transcription factor [interferon response factor 1 (IRF-1)] increases after renal ischemia reperfusion injury: transgenic knockout (KO) of IRF-1 ameliorates injury. Journal of the American Society of Nephrology. 2000.
- 9. Kielar ML, **Jeyarajah DR**, Reed D, Wright BJ, Lu CY. A role for Interleukin 6 (IL6) in ischemic acute renal failure: the abundance of IL6 mRNA increases the kidney after ischemia-reperfusion injury, and transgenic knockout of IL6 exacerbates murine ischemic acute renal failure. Journal of the American Society of Nephrology. 2000.
- 10. **Jeyarajah DR**, Kielar M, Lindberg G, Gokaslan ST, Lu CY. Hepatic IL 10, produced in response to bile duct ligation (BDL), ameliorates acute pancreatitis. Oral presentation Third Biennial Americas Hepatopancreaticobiliary Congress, Miami Beach, FL, February 2001.
- 11. **Jeyarajah DR**, Kielar M, Lindberg G, Gokaslan ST, Lu CY. FAS Ameliorates Cerulein-Induced Pancreatitis (AP). Poster presentation Third Biennial Americas Hepatopancreaticobiliary Congress, Miami Beach, FL, February 2001.
- 12. Zhang Y, Woodward VK, Kielar ML, **Jeyarajah DR**, Sorrells AC, Dunn JS: G-CSF Protein and mRNA Abundance Is Increased in the Murine Kidney aster Ischemia Reperfusion In Vivo and in Renal Tubular Cells (mTAL) after Exposure to Reactive Oxygen Species (ROS) in Vitro. Journal of the American Society of Nephrology, 12:796, September 2001.
- 13. Kielar ML, **Jeyarajah DR**, Dunn JS, Lu CY: IRF-1 Antisense Treatment Ameliorates Renal Ischemia Reperfusion Injury. Journal of the American Society of Nephrology, 12:784, September 2001.
- 14. **Jeyarajah DR**, Kielar M, Lu CY. Major differences in mortality after biliary versus venous (portal or systemic) routes of gram-negative infection in a novel murine model. (Oral presentation). SIS/SIS-E Joint Meeting, Madrid, Spain, May 2002.
- 15. **Jeyarajah DR**, Kielar ML, Frantz N, Zhang Y, Woodward V, Lu CY. Acute bile duct ligation impairs hepatic clearance of bacteria by induction of maladaptive

- cytokines. (Poster presentation). AAS 36th Annual Meeting. Boston MA. Nov 2002.
- 16. **Jeyarajah DR**, Kielar M, Frantz N, Lu CY. Interleukin 10, produced in response to biliary obstruction and hepatic infection, is protective. J Surg Res. 114(2):290, Oct 2003.
- 17. **Jeyarajah DR**, Kielar M, Frantz N, Lu CY. Interleukin 10, produced in response to biliary obstruction and hepatic infection, is protective. (Poster presentation). AAS 37th Annual Meeting. Sacramento, CA. 2003.
- 18. **Jeyarajah DR**, Kielar ML, Zhon X, Frantz NL, Karimi P, John R, Lu CY. A Role Model of Cholangitis Results in neutropinel recruitment by MIP2. (Poster presentation). Surgical Infection Society. Indianapolis, IN. April 2004.
- 19. **Jeyarajah DR**, Kielar ML, Frantz NL, Karimi P, John R, Lu CY. Role of TLR 4 in Cholangitis. (Oral presentation). 6th World Congress AHPBA. Washington DC. June 2004.
- 20. Broker H, Waltrip A, Megison S, Gregorcyk SG, Simmang CL, Huber P, Papaconstantinou H, **Jeyarajah DR**. Late Presentation of Malrotation: An Argument for Elective Repair. J Surg Res. 2004; 121:318. The Association for Academic Surgery 38th Annual Meeting, Houston, TX. November 2004.
- 21. **Jeyarajah DR**, Kielar ML, Zhou X, Karimi P, Frantz NL, Lu CY. Role of Neutrophils and Kupffer Cells in Hepatic Cells in Hepatic Infection: Do We Have it Wrong? The Association for Academic Surgery 38th Annual Meeting, Houston, TX. November 2004.
- 22. Hamilton L, Papaconstantinou P, Naylor RA, Tchorz K, Bergen P, Purdue G, **Jeyarajah DR.** Change in Students' Perspectives of Surgeons as they progress through Medical School American College of Surgeons meeting. Oct 2005.
- 23. Rassadi, R, Vo, A, **Jeyarajah DR.** Feasibility of pancreaticoduodenectomy (the whipple procedure) in a high volume community center. AHBPA Las Vegas. April 2007.
- 24. Rassadi, R, **Jeyarajah, DR.** Nodal sampling in periampullary cancer: does it change your approach? AHBPA Las Vegas. April 2007.
- 25. Rassadi, R, Dickerman, RM, Dunn, EL, **Jeyarajah, DR.** Liver, pancreas, and biliary surgery, what is the right fellowship for the right training? AHBPA Las Vegas. April 2007.
- 26. Roozbeh Rassadi, **Jeyarajah**, **DR.** Sentinel Lymph Node Sampling: Is It Meaningful in Pancreaticoduodenectomy? SSAT Washington DC. June 2007.
- 27. Christos A. Galanopoulos, Allison Vo, **Jeyarajah**, **DR.** A Novel use of the Harmonic ACE during pancreaticoduodenectomy with no post-operative bleeding. AHPBA, Ft Lauderdale. March 2008.

- 28. Christos A Galanopoulos, **Jeyarajah**, **DR**, **MD**. The Whipstow Procedure: An Innovation modification to the whipple procedure. AHPBA, Ft Lauderdale. March 2008.
- 29. Christos A. Galanopoulos, Allison Vo, **Jeyarajah**, **DR**. Year 2: An update of a high Volume Non university Referral center pancreaticoduodenectomy feasibility study. AHPBA, Ft Lauderdale. March 2008.
- 30. Christos A. Galanopoulos, Gong A. Lee, Girish P. Joshi, **Jeyarajah**, **MD.** A Novel use of On Q pain pumps during pancreaticoduodenectomy: Celiac ganglia placement.
- 31. Julio Sokolich, Christos A. Galanopoulos, Allison Vo, Maggie White, Ernest Dunn, **Jeyarajah, DR.** Development of a Dedicated Team Decreases ICU Admission After pancreaticoduodenectomy. SSAT San Diego. May 2008.
- 32. Amit Khithani, Christos Galanopoulos, Allison Vo, John Jay, **D. Rohan Jeyarajah**. Safety of Minimally Invasive Esophagectomy: ISGIO, Washington DC. Sept 2008.
- 33. David Curtis M.D, Amit Khithani MBBS, Maggie White RN, **D. Rohan Jeyarajah MD**. No ICU post pancreaticoduodenectomy: A reality, even with debilitated patients. SSO, Phoenix AZ. March 2009.
- 34. David Curtis MD, Amit Khithani MBBS, Allison Vo RN, **D. Rohan Jeyarajah MD**. Pancreaticoduodenectomy (PD) at a non-university tertiary care center (NUTCC).Outcomes and feasibility. SSO, Phoenix AZ. March 2009.
- 35. David Curtis MD, Amit Khithani MBBS, John Jay MD, Allison Vo RN, **D. Rohan Jeyarajah MD**. Feasibility of performing minimally invasive esophagectomy (MIE) at a non-university tertiary training center (NUTTC). SSO, Phoenix AZ. March 2009.
- 36. Amit S Khithani, MBBS, David E Curtis, MD, Maggie White, RN, **D. Rohan Jeyarajah, MD**. Reducing ICU admissions in higher ASA class patients after pancreaticoduodenectomy: Impact of a team based approach. AHBPA, Miami Beach. April 2009.
- 37. David Curtis, MD, Amit Khithani, MBBS, A. Joe Saad, MD, **D. Rohan Jeyarajah, MD.** Margin status with a standardized protocol for the sectioning of pancreaticoduodenectomy specimens. AHBPA, Miami Beach. April 2009.
- 38. Khithani, MBBS, David Curtis, MD, A. Joe Saad, MD, Jeffrey D. Linder, MD, Paul Tarnasky MD, D. **Rohan Jeyarajah, MD.** Malignant potential in Intraductal Papillary Mucinous Neoplasm (IPMN): Why observe? Amit AHBPA, Miami Beach. April 2009.
- 39. David Curtis, MD, Amit Khithani, MBBS, Kesha Henderson MD, Alejandro Mejia MD, Stephen Cheng MD, **D. Rohan Jeyarajah, MD**. Gallbladder cancer- still a bad disease. AHBPA, Miami Beach. April 2009.
- 40. David Curtis, MD, Amit Khithani, MBBS, MD, **D. Rohan Jeyarajah, MD**. Gallbladder cancer found after laparoscopic cholecystectomy: Is port site excision necessary? DDW. May 2009.

- 41. Amit Khithani, MBBS, David E Curtis, MD, Christos Galanopoulos MD, John Jay MD, **D. Rohan Jeyarajah, MD**. Minimally invasive esophagectomies (MIE) at a non-university tertiary care center (NUTTC): Feasibility and outcomes. DDW. May 2009.
- 42. Amit S Khithani, MBBS, David E Curtis, MD, Christos Galanopoulos MD, **D. Rohan Jeyarajah, MD**. Pancreaticoduodenectomy (PD) at a non-university tertiary care center (NUTCC): Outcomes and feasibility. DDW. May 2009.
- 43. Amit S Khithani, MBBS, David E Curtis, MD, A. Joe Saad, MD, **D. Rohan Jeyarajah**, **MD**. An aggressive approach to pancreaticoduodenectomy (PD)-Surgeon's clinical suspicion matters. DDW. May 2009.
- 44. Siripurapu, V, Liu, E, Khithani, A, **Jeyarajah, DR**. Pancreaticoduodenectomies in High Volume Centers; Direct transfer to floor improves Length of Stay without affecting morbidity or mortality. (Poster Presentation) SSO. March 2012.
- 45. Siripurapu, V, Liu, E, Khithani, A, **Jeyarajah, DR**. Tumor Location in Pancreatic Cancer Does Not Affect Lymph Node Ratio Despite Significant Difference in Lympho-vascular Invasion. SSO. March 2012.
- 46. Siripurapu, V, Liu, E, Winston, T, **Jeyarajah**, **DR**. Pancreaticoduodenectomies in High Volume Centers; Direct transfer to floor improves Length of Stay without affecting morbidity or mortality. (Poster Presentation) North Texas Chapter-ACS. February 2012.
- 47. Siripurapu, V, Liu, E, Khithani, A, Mejia, A, Dickerman, R, **Jeyarajah, DR**. Tumor Location in Pancreatic Cancer Influences Lymph Node Positivity. (Oral Poster Presentation) AHPBA. March 2012.
- 48. Siripurapu, V, Liu, E, Khithani, A, Mejia, A, Dickerman, R, **Jeyarajah, DR**. Tumor Location in Pancreatic Cancer Influences Lymph Node Positivity. (Oral Presentation) North Texas Chapter-ACS. February 2012.
- 49. Siripurapu, V, Liu, E, Khithani, A, Winston, T, R, **Jeyarajah, DR**. Superior Mesenteric Vein (SMV) Margin Positivity in Resectable Pancreatic Cancer Correlates with High Superior Mesenteric Artery (SMA) Margin Positivity; Is Vein Resection Advisable? (Oral Poster Presentation) AHPBA. March 2012.
- 50. Siripurapu, V, Liu, E, Khithani, A, Winston, T, R, **Jeyarajah, DR**. Superior Mesenteric Vein (SMV) Margin Positivity in Resectable Pancreatic Cancer Correlates with High Superior Mesenteric Artery (SMA) Margin Positivity; Is Vein Resection Advisable? (Oral Presentation) North Texas Chapter-ACS. February 2012.
- 51. Siripurapu, V, Winston, T, Liu, E, **Jeyarajah, DR**. Referral Patterns in Pancreatic Cancer to a High Volume Center; The Gastroenterologist Remains Your Friend. (Oral Poster Presentation) AHPBA. March 2012.
- 52. Siripurapu, V, Winston, T, Liu, E, **Jeyarajah, DR**. Referral Patterns in Pancreatic Cancer to a High Volume Center; The Gastroenterologist Remains Your Friend. (Poster Presentation) North Texas Chapter-ACS. February 2012.

- 53. Siripurapu, V, Liu, E, Khithani, A, Winston, T, **Jeyarajah, DR**. A Surgeon's Learning Experience of Pancreaticoduodenectomies (PD): It Continues Despite a Decade Long Experience. (Oral Poster Presentation) AHPBA. March 2012.
- 54. Siripurapu, V, Liu, E, Khithani, A, Winston, T, **Jeyarajah, DR**. A Surgeon's Learning Experience of Pancreaticoduodenectomies (PD): It Continues Despite a Decade Long Experience. (Mini Talk) North Texas Chapter-ACS. February 2012.
- 55. Siripurapu, V, Mekala, A, Liu, E, **Jeyarajah, DR**. Preoperative Chemotherapy in High Risk Gastric Cancer. No Guarantee of Down staging but remains our best MAGIC bullet. (Oral Presentation) North Texas Chapter-ACS. February 2012.
- 56. Liu, E, Siripurapu, V, Winston, T, **Jeyarajah, DR**. Alvimopan Patients Show Significant Improvement in Recovery Post Pancreaticoduodenectomy Surgeries. (Poster Presentation) DDW-SSAT. May 2012.
- 57. Osman, H, Liu, E, Siripurapu, V, Winston, T, **Jeyarajah, DR**. Alvimopan Patients Show Significant Improvement in Recovery Post Pancreaticoduodenectomy Surgeries. (Poster Presentation) North Texas Chapter -ACS. February 2013.
- 58. Winston, T, Siripurapu, V, Liu, E, **Jeyarajah**, **DR**. Hepatic Fibrosis Due to Biliary Obstruction is Under Appreciated at the Time of Pancreaticoduodenectomy: A Word of Caution. (Poster Presentation) IHPBA. July 2012.
- 59. Osman, H, Thomas, A, **Jeyarajah, DR**. The Need for Jejunal Feed or TPN After Pancreaticoduodenectomy (PD): Is It Predictable? (Oral Poster Presentation) AHPBA. February 2013.
- 60. Osman, H, Thomas, A, **Jeyarajah, DR**. The Need for Jejunal Feed or TPN After Pancreaticoduodenectomy (PD): Is It Predictable? (Poster Presentation) North Texas Chapter-ACS. February 2013.
- 61. Osman, H, Thomas, A, **Jeyarajah, DR**. Not All Nodes Are the Same: Nodal Stations Variability in Pancreaticoduodenectomy (PD) and Role In Decision Making. (Oral Poster Presentation) AHPBA. February 2013.
- 62. Osman, H, Thomas, A, **Jeyarajah**, **DR**. Not All Nodes Are the Same: Nodal Stations Variability in Pancreaticoduodenectomy (PD) and Role In Decision Making. (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013.
- 63. Osman, H, Thomas, A, **Jeyarajah, DR**. Intraoperative Estimated Blood Loss Predicts Need for ICU Care: A Single Center Experience. (Oral Poster Presentation) AHPBA. February 2013.
- 64. Osman, H, Thomas, A, **Jeyarajah, DR**. Intraoperative Estimated Blood Loss Predicts Need for ICU Care: A Single Center Experience. (Poster Presentation) North Texas Chapter-ACS. February 2013.
- 65. Osman, H, Thomas, A, **Jeyarajah, DR**. Body Mass Index (BMI): Does It Make a Difference in Pancreaticoduodenectomy Outcome? (Oral Poster Presentation) AHPBA. February 2013.

- 66. Osman, H, Thomas, A, **Jeyarajah, DR**. Body Mass Index (BMI): Does It Make a Difference in Pancreaticoduodenectomy Outcome? (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013.
- 67. Osman, H, Rice, M, Winston, T, Thomas, A, **Jeyarajah, DR**. Preoperative Chemotherapy Results in Unpredictable Response in Gastric Cancer: No Magic Bullet. (Mini Talk) North Texas Chapter-ACS. February 2013.
- 68. Osman, H, Rice, M, Winston, T, Thomas, A, **Jeyarajah, DR.** Preoperative Chemotherapy Results in Unpredictable Response in Gastric Cancer: No Magic Bullet. (Poster Presentation) DDW-SSAT. May 2013.
- 69. Osman, H, Winston, T, Thomas, A, Majid, A, Shahin, I, Van Meter, T, **Jeyarajah, DR**. Selective Internal Radiation Therapy (SIRT) Using Yttrium-90 in Atypical Liver Tumors; Single Center Experience. (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013
- 70. Osman, H, **Jeyarajah**, **DR**. Hepato-Pancreatico-Biliary (HPB) Surgery Fellows: What is After Fellowship? A Single Fellowship Experience (Oral Presentation) AHPBA. February 2013.
- 71. Osman, H, Parikh, J, Patel, S, **Jeyarajah**, **DR**. Are general surgery residents adequately prepared for hepatopancreaticobiliary (hpb) fellowships? Questionnaire based study (Oral Poster Presentation) AHPBA 2014.
- 72. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. The benefits of laparoscopic pancreatectomy: it does make a difference (Oral Poster Presentation) AHPBA 2014.
- 73. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. Differences in outcomes in pancreaticoduodenectomy (PD) in the modern era: does a malignant diagnosis make a difference? (Oral Poster Presentation) AHPBA 2014.
- 74. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. Concept of the mesopancreas: coining a new surgical anatomical space (Oral Poster Presentation) AHPBA 2014.
- 75. Patel, S, Cheek, S, Winston, T, Osman, H, **Jeyarajah**, **DR.** Is there a "July effect" for HPB cases? (Oral Presentation) AHPBA 2014.
- 76. Patel, S, Cheek, S, Winston, T, Osman, H, **Jeyarajah, DR.** Incidental gallbladder cancer on cholecystectomy: is there more than meets the eye? (Oral Poster Presentation) AHPBA 2014.
- 77. Osman, H, **Jeyarajah**, **DR**. The current state of HPB fellowship experience in North America (Oral Poster Presentation) AHPBA 2014.
- 78. Sheikh, MR, Osman, H, Cheek, S, **Jeyarajah**, **DR**. Duodenal neuroendocrine tumors-location matters (Oral Poster AHPBA 2015)
- 79. Sheikh, MR, Osman, H, Cheek, S, **Jeyarajah**, **DR**. T2 gallbladder cancer- still a nodal disease (Oral Poster AHPBA 2015)

- 80. Watkins, J, Jeyarajah, DR. Use the third arm: a reliable and relevant way to teach robotics. (Poster, SAGES 2015)
- 81. Watkins, J, Osman, H, Jeyarajah, DR. Novel use of Spy Elite in esophagectomy with colonic interposition. (Poster SAGES, 2015)
- 82. Watkins, J, Jeyarajah, DR. Laparoscopic treatment for large retrograde gastroesophageal intussusception after failed endoscopic management. (Poster SAGES, 2015)
- 83. Watkins, J, Osman, H, Jeyarajah, DR. Use of biologic keyhole mesh in large paraesophageal hernias: a safe technique with low rates of dysphagia. (Poster SAGES 2015).
- 84. Watkins, J, Osman, H, Jay, J, Jeyarajah, DR. Minimally esophagectomy may be a good place to transition to robotics: an analysis of the data. (Poster, SAGES, 2015)
- 85. Watkins, J, Osman, H, Jeyarajah, DR. Robotic paraesophageal hernia repair: the learning curve is steep. (Poster, SAGES, 2015)
- 86. Predicting the Whipple The American College of Surgeons NSQIP Surgical Risk Calculator. Butt MU, Adreinwala H, Osman H, Jeyarajah DR. (e-Poster, IHPBA, 2016)
- 87. Colorectal Liver Metastasis: Timing of Chemotherapy to Resection We Do Not Need To Wait Too Long! Butt MU, Osman H, Jeyarajah DR. (e-Poster, IHPBA, 2016)
- 88. STENOSIS OF THE PANCREATICOJEJUNOSTOMY: DO WE HAVE TO REVISE? Lowe K, Sharma N, Jeyarajah DR. (e-Poster, IHPBA, 2016)
- 89. Butt MU, Adrienwala H, Hellums R, Furlough S, Osman H, Jeyarajah DR. Is Robotic Pancreaticoduodenectomy for you? Defying the steep Learning curve. (Mini oral, IHPBA, 2016)

LECTURES

- 1. Texas Medical Association Meeting: Current Status of Portal Hypertension. May 1999. Dallas, Texas.
- 2. Current Topics in General Surgery: Surgical Management of Portal Hypertension. May 1999. Dallas, Texas.
- 3. Laparoscopic Splenectomy Course for SCMIS: Surgical Indications for Splenectomy. May 1999. Dallas, Texas.
- 4. Surgical Grand Rounds: Liver: Center of the Soul or Just Another Organ. June 1999. Dallas, Texas.
- 5. Multicultural Awareness Week: I'm Just a Country Doc. Question is, From What Country? April 2000. Dallas, Texas.
- 6. Science of Family Medicine: A calculus Gallbladder Disease. June 2000. Dallas, Texas.

- 7. Surgical Grand Rounds Methodist Hospital: Surgical Management of Liver Disease. April 2002. Dallas, Texas.
- 8. Surgical Research Forum: Timing of Bile Duct Ligation Impacts Clearance of Portal Venous Pathogen. June 2003. Dallas, Texas.
- 9. Current Topics in General Surgery: Management of Misadventures in Laparoscopic Cholecystectomy. May 2003. Dallas, Texas.
- 10. Current Topics in General Surgery: Diagnosis & Management of Liver Masses. May 2004. Dallas, Texas.
- 11. Surgical Grand Rounds: Diagnosis and Management of Liver Masses. Sept. 2004. Dallas, Texas.
- 12. Greater General Surgery Grand Rounds University of Chicago: Diagnosis and Management of Liver Masses. Jan 2005. Chicago, Illinois.
- 13. Current Topics in General Surgery: Current Rx Options in Complicated Pancreatitis. April 2005. Dallas, Texas.
- 14. Grand Rounds, Methodist Dallas Medical Center Sept 2005: Liver Masses-diagnosis and treatment.
- 15. American College of surgeons April 2006. Follow up of patients with neuroendocrine tumors. Dallas, TX.
- 16. Grand Rounds, Methodist Dallas Medical Center Sept 2006: What's new in pancreatic cancer.
- 17. Pancreatic Cancer CME Course: Surgical treatment of pancreatic cancer. Feb 2007, Wichita Falls, TX.
- 18. Regionalization of care for complex surgery: not so fast. SSAT Washington DC. May 2007.
- 19. Pancreatic cancer- an update: Grand Rounds, Methodist Dallas Medical Center. Nov 2007.
- 20. What's new in upper GI cancer: Surgery Grand rounds, Trinity Mother Frances Hospitals and Clinics Tyler, Texas. Jan 2008.
- 21. ICU care of the esophagectomy and Whipple pt: Nursing Dept. Methodist Dallas Medical Center. Sept 2008.
- 22. Update in pancreatic disease: North Texas Society of Pathologists. October 2008.
- 23. Management of liver tumors. Liver Meeting Dallas. 2010.
- 24. Contemporary Management of Liver Tumors- Satellite Symposium IHPBA. 2010.

- 25. Management of CRC Metastases- Grand Rounds Methodist Dallas. May 2010.
- 26. Grand Rounds University of Arkansas Medical Center 2010. "Cholangiocarcinoma"
- 27. Debate DDW 2011; No they don't: Would you let that 5-year grad do your Whipple? Let my fellow do 50 Whipples, and he will provide better outcomes.
- 28. Update on HPB disease: "Chemotherapy for pancreatic cancer". Meridian Health, NJ. November 2011.
- 29. Grand Rounds Texas tech, Lubbock TX: "Diagnosis and Management of Liver Masses". February 2013
- 30. AHPBA Ultrasound course: "Pancreatic Ultrasound". March 2013.
- 31. Akron general Hospital Cancer Symposium: "Management of metastatic colorectal, breast, and melanoma to the liver". October 2013
- 32. SSO / HPB Fellow's course leader November 2012,13 and 14. Cincinnati, OH.

PRESENTATIONS

- 1. **Jeyarajah, DR**, Schmeisser FS, Thistlethwaite JR, Jr. Low-dose anti-CD3 therapy provides long term graft survival in a Lewis rat to C57BL/6 xeno-islet transplantation model. International Congress of Pancreatic and Islet Transplantation, The Netherlands, June 1993.
- 2. **Jeyarajah DR**, Schmeisser FS, Thistlethwaite JR, Jr. Prolongation of xenograft survival with concomitant donor bone marrow transplantation. Second International Congress on Xenotransplantation, Cambridge, England, September 1993.
- 3. **Jeyarajah DR**, Kadakia RA, O'Toole K, Newell KA, Josephson MA, Spargo BH, Woodle ES, Thistlethwaite JR, Jr. Changes in urinary cytokine mRNA after successful therapy for acute cellular renal allograft rejection. International Congress of Transplantation, Kyoto, Japan, Nov 1994.
- 4. Abbasoglu O, Levy MF, Brkic B, Testa G, **Jeyarajah DR**, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Ten years of liver transplantation: An evolving understanding of late graft loss. American Society of Transplant Physicians: 16th Annual Meeting, Chicago, IL, May 1997.
- 5. **Jeyarajah DR**, Gonwa TA, McBride M, Abbasoglu O, Goldstein RM, Husberg BS, Levy MF, Testa G, Klintmalm GB. Does preoperative creatinine (Scr) affect outcome after orthotopic liver transplantation (OLTexas)? American Society of Transplant Physicians: 16th Annual Meeting, Chicago, IL, May 1997.
- 6. Testa G, Crippin J, Abbasoglu O, Goldstein RM, Husberg BS, **Jeyarajah DR**, Levy MF, Klintmalm GB. Does recurrent autoimmune hepatitis after liver

- transplant have an impact on patient and graft survival? American Society of Transplant Physicians: 16th Annual Meeting, Chicago, IL, May 1997.
- 7. **Jeyarajah DR**, Netto GJ, Lee SP, Testa G, Abbasoglu O, Husberg BS, Levy MF, Goldstein RM, Gonwa TA, Tillery GW, Crippin JS, Klintmalm GB. Recurrent primary sclerosing cholangitis following orthotopic liver transplantation: Is chronic rejection part of the disease process? International Liver Transplant Society: 5th Annual Meeting, Seattle, WA, October 1997.
- 8. **Jeyarajah DR**, Kielar M, Penfield J, Lu CY. Docosahexaenoic acid (DHA), a component of fish oil, inhibits nitric oxide (NO) production in vitro. Association of Academic Surgeons: 32nd Annual Meeting, Seattle, WA, November 1998.
- 9. **Jeyarajah DR**, Kielar ML, Devraj S. A component of fish oil ameliorates renal ischemic injury. Oral presentation International Surgery Week [ISW99], Vienna, Austria, August 1999.
- 10. **Jeyarajah DR**, Kielar ML, Lu CY. Bile Duct Ligation increases IL-10 production and protection in mice. Oral presentation International Surgery Week [ISW99], Vienna, Austria, August 1999.
- 11. Scott DJ, Bergen PC, Euhus DM, Guo WA, **Jeyarajah DR**, Laycock R, Rege RV, Tesfay ST, Thompson WM, Valentine RJ, Jones DB. Comparison of Edited Videotape to Direct Observation to Assess Operative Performance after Laparoscopic Skills Training. Association for Academic Surgery, October 1999.
- 12. Scott DJ, Bergen PC, Euhus DM, Guo WA, **Jeyarajah DR**, Laycock R, Rege RV, Tesfay ST, Thompson WM, Valentine RJ, Jones DB. Evaluating Surgical Competency Using Absite, Skill Testing, and Intra-operative Assessment. Accepted for Central Surgical Association.
- 13. Scott DJ, Young WN, Watumull LM, Lindberg GM, Fleming JB, Huth JF, Rege RV, **Jeyarajah DR**, Jones DB. Accuracy and effectiveness of laparoscopic versus open hepatic radio frequency ablation. Presentation. SAGES, March 29, 2000.
- 14. **Jeyarajah DR**, Kielar M, Lindberg G, Gokaslan ST, Lu CY. Hepatic IL 10, Produced in Response to Bile Duct Ligation (BDL), Ameliorates Acute Pancreatitis. Third Biennial Americas Hepatopancreaticobiliary Congress, Miami Beach, FL, February 2001.
- 15. **Jeyarajah DR**, Kielar M, Lu CY. Major differences in mortality after biliary versus venous (portal or systemic) routes of gram-negative infection in a novel murine model. SIS/SIS-E Joint Meeting, Madrid, Spain, May 2002.
- 16. **Jeyarajah DR**. Management of misadventures in laparoscopic cholecystectomy. Current Topics in Gen. Surgery. Dallas, TX, May 2003.
- 17. **Jeyarajah DR**. Current management of portal hypertension. 5th Annual Research Forum. Dallas, Texas, June 2003.
- 18. **Jeyarajah DR**, Kielar ML, Saboorian M, Frantz NL, Lu CY. Impact of Bile Duct Obstruction as Hepatic E-coli Infection.

- 19. **Jeyarajah DR**, Kielar ML, Zhon X, Frantz NL, Karimi P, John R, Lu CY. Role of TLR4 in Cholangitis. Oral presentation at America Hepatobiliary Association. Washington, DC, June 2004.
- Hamilton L, Papaconstantinou P, Naylor RA, Tchorz K, Bergen P, Purdue G,
 Jeyarajah DR. Change in Students' Perspectives of Surgeons as they progress through Medical School. Oral presentation American College of Surgeons Meeting, Oct 2005.
- 21. Rassadi R, Vo A, **Jeyarajah DR**. Feasibility and safety of Pancreaticoduodenectomy (the whipple procedure) in a non-university based referral center. Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2007.
- 22. Rassadi R, **Jeyarajah DR**. Nodal Sampling in Periampullary Cancer: Does it change your approach? Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2007.
- 23. Christos a. Galanopoulos, **D. Rohan Jeyarajah:** Laparoscopic Extended Distal Pancreatectomy for Tumors of the Pancreatic Neck. SSAT Meeting. San Diego, CA, May 2008.
- Amit Khithani, Christos Galanopoulos, Allison Vo, John Jay, D. Rohan Jeyarajah. Safety of Minimally Invasive Esophagectomy: ISGIO, Washington DC, Sept 2008.
- 25. Amit Khithani, David Curtis, Allison Vo, John Jay, **D. Rohan Jeyarajah:** Safety of Minimally Invasive Esophagectomy in Malignancy. ACS North Texas Chapter. Dallas, Texas, Feb 2009.
- 26. David Curtis, Amit Khithani, **D. Rohan Jeyarajah**. Pancreaticoduodenectomy in the gastric bypass era. A new technique that works. ACS North Texas Chapter Dallas, Texas, Feb 2009.
- 27. Safety of Minimally Invasive Esophagectomy (MIE) After Neoadjuvant Chemoradiotherapy and as Primary Resection at a Non- University Tertiary Care Center (NUTCC). ISGIO, Philadelphia, October 2009.
- 28. Amit Khithani, MBBS; Derick Christian, Joshua Barton, MD; John Jay, MD; **D. Rohan Jeyarajah**, MD. ONCOLOGIC EFFICACY OF MINIMALLY INVASIVE ESOPHAGECTOMY (MIE) AFTER NEOADJUVANT CHEMORADIOTHERAPY (NT) IN ESOPHAGEAL CANCER: Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2010.
- 29. Derick Christian, Amit Khithani, MBBS; Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. LIVER TRANSECTION WITH MICROWAVE TECHNOLOGY: A NOVEL TECHNIQUE. Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2010.
- 30. Amit Khithani, MBBS; Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. COUNSELING WITH THE PATHOLOGIST: IMPACTING NODE

- RETRIEVAL IN PANCREATICODUODENECTOMY FOR MALIGNANCY? Oral poster presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2010.
- 31. **Jeyarajah, D. Rohan**; Khithani, Amit; Barton, Joshua; Galanopoulos, Christos; Curtis, David; Rassadi, Roozbeh. THE "WHIP-STOW" PROCEDURE: AN INNOVATIVE MODIFICATION TO THE PANCREATICOJEJUNAL ANASTOMOSIS. Oral video presentation. 9 TH World Congress of the IHBPA, Buenos Aires, Argentina, April 2010.
- 32. Amit Khithani, MBBS; Kevin Lowe, Derick Christian, MD; **D. Rohan Jeyarajah**, MD. Neoadjuvant Chemoradiotherapy for esophageal cancer: It works. Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2011.
- 33. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. DOES THOROCOSCOPY INCREASE LYMPH NODE
 CLEARANCE IN MINIMALLY INVASIVE ESOPHAGECTOMY? Oral
 presentation North Texas Chapter American of College of Surgeons Meeting,
 Dallas, TX, Feb 2011.
- 34. Amit Khithani, MBBS; Kevin Lowe, Derick Christian, MD; **D. Rohan Jeyarajah**, MD. Keeping it with the Surgeons: Esophagectomies for Barrett's with high grade dysplasia. Oral presentation North Texas Chapter American of College of Surgeons Meeting, Dallas, TX, Feb 2011.
- 35. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. GALL BLADDER CANCER DIAGNOSED WITHOUT
 CHOLECYSTECTOMY: AUTOMATIC REFERAL TO A HEPATOBILIARY
 SURGEON? Oral presentation North Texas Chapter American of College of
 Surgeons Meeting, Dallas, TX, Feb 2011.
- 36. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. DOES THE PRESENCE OF METASTATIC LYMPH NODES
 PREDICT MARGIN POSITIVE RESECTION IN PANCREATIC CANCER?
 Oral presentation North Texas Chapter American of College of Surgeons
 Meeting, Dallas, TX, Feb 2011.
- 37. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. GALL BLADDER CANCER DIAGNOSED WITHOUT
 CHOLECYSTECTOMY: AUTOMATIC REFERAL TO A HEPATOBILIARY
 SURGEON? Oral presentation. Annual Meeting of the AHBPA Miami Beach,
 March 2011.
- 38. Siripurapu, V, Liu, E, Khithani, A, Mejia, A, Dickerman, R, **Jeyarajah, DR**. Tumor Location in Pancreatic Cancer Influences Lymph Node Positivity. (Oral Presentation) North Texas Chapter-ACS, February 2012.
- 39. Siripurapu, V, Liu, E, Khithani, A, Winston, T, **Jeyarajah, DR**. A Surgeon's Learning Experience of Pancreaticoduodenectomies (PD): It Continues Despite a Decade Long Experience. (Mini Talk) North Texas Chapter-ACS, February 2012.

- 40. Siripurapu, V, Liu, E, Khithani, A, Winston, T, R, **Jeyarajah, DR**. Superior Mesenteric Vein (SMV) Margin Positivity in Resectable Pancreatic Cancer Correlates with High Superior Mesenteric Artery (SMA) Margin Positivity; Is Vein Resection Advisable? (Oral Presentation) North Texas Chapter-ACS, February 2012.
- 41. Siripurapu, V, Mekala, A, Liu, E, **Jeyarajah, DR**. Preoperative Chemotherapy in High Risk Gastric Cancer. No Guarantee of Down staging but remains our best MAGIC bullet. (Oral Presentation) North Texas Chapter-ACS, February 2012.
- 42. **Jeyarajah, DR**. Hiatal Hernia Repair. (Oral Video) North Texas Chapter-ACS, February 2012.
- 43. Osman, H, Thomas, A, **Jeyarajah**, **DR**. Not All Nodes Are the Same: Nodal Stations Variability in Pancreaticoduodenectomy (PD) and Role In Decision Making. (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013.
- 44. Osman, H, Thomas, A, **Jeyarajah, DR**. Body Mass Index (BMI): Does It Make a Difference in Pancreaticoduodenectomy Outcome? (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013.
- 45. Osman, H, Rice, M, Winston, T, Thomas, A, **Jeyarajah, DR.** Preoperative Chemotherapy Results in Unpredictable Response in Gastric Cancer: No Magic Bullet. (Mini Talk) North Texas Chapter-ACS. February 2013.
- 46. Osman, H, Winston, T, Thomas, A, Majid, A, Shahin, I, Van Meter, T, **Jeyarajah, DR**. Selective Internal Radiation Therapy (SIRT) Using Yttrium-90 in Atypical Liver Tumors; Single Center Experience. (Oral Scientific Presentation) North Texas Chapter-ACS. February 2013.
- 47. Osman, H, Parikh, J, Patel, S, **Jeyarajah**, **DR**. Are general surgery residents adequately prepared for hepatopancreaticobiliary (HPB) fellowships? Questionnaire based study (Oral Poster Presentation) AHPBA 2014.
- 48. Osman, H, **Jeyarajah**, **DR**. The current state of HPB fellowship experience in North America (Oral Presentation) AHPBA 2014.
- 49. Butt MU, Sheikh MR, Osman H, Jeyarajah DR. Change in Perception of training in Hepato-pancreato-biliary Surgery among Senior General Surgery Residents: AHPBA Fellowships on the rise. Oral Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 50. Butt MU, Osman H, Jeyarajah DR. Pancreatic Surgery Practice Patterns based on Training Are we really the same? Oral Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 51. Butt MU, Adreinwala H, Osman H, **Jeyarajah DR**. Predicting the Whipple The American College of Surgeons NSQIP Surgical Risk Calculator. Oral Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.
- 52. Butt MU, Adrienwala H, Hellums R, Furlough S, Osman H, **Jeyarajah DR**. Is Robotic Pancreaticoduodenectomy for you? Defying the steep Learning curve. Poster Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.

- 53. Butt MU, Osman H, **Jeyarajah DR**. Colorectal Liver Metastasis: Timing of Chemotherapy to Resection We Do not need to wait too long. Poster Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.
- 54. Butt MU, Sheikh MR, Osman H, **Jeyarajah DR**. Change in Perception of training in Hepato-pancreato-biliary Surgery among Senior General Surgery Residents: AHPBA Fellowships on the rise. Poster Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.
- 55. Butt MU, Osman H, **Jeyarajah DR**. Pancreatic Surgery Practice Patterns based on Training Are we really the same? Poster Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.
- 56. Butt MU, Osman H, **Jeyarajah DR**. Robotic Pancreaticoduodenectomy. Video Presentation, ACS North Texas Chapter, Dallas, TX, February 2016.
- 57. Butt MU, Osman H, **Jeyarajah DR**. Comparison and Differences in Pancreatic Surgery Management and Techniques: A nationwide multi-institutional Survey. Poster Presentation, SSO, March 2016.
- 58. Butt MU, Osman H, **Jeyarajah DR**. Colorectal Liver Metastasis: Timing of Chemotherapy to Resection We Do not need to wait too long. Poster Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 59. Butt MU, Adreinwala H, Osman H, **Jeyarajah DR**. Predicting the Whipple The American College of Surgeons NSQIP Surgical Risk Calculator. Poster Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 60. Butt MU, Sheikh MR, Osman H, Jeyarajah DR. Change in Perception of training in Hepato-pancreato-biliary Surgery among Senior General Surgery Residents: AHPBA Fellowships on the rise. Oral Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 61. Butt MU, Osman H, **Jeyarajah DR**. Pancreatic Surgery Practice Patterns based on Training Are we really the same? Oral Presentation, IHPBA, Sao Paulo, Brazil, April 2016.
- 62. Butt MU, Osman H, **Jeyarajah DR**. Pathological response DOES mean something: An analysis of Gastric Adenocarcinoma. Poster Presentation, DDW/SSAT, San Diego, May 2016.

POSTER SESSIONS

- 1. Gerhardt TC, Levy MF, Goldstein RM, Abbasoglu O, Testa G, **Jeyarajah DR**, Husberg BS, Gonwa TA, Klintmalm GB. Employment/Volunteerism among adults undergoing liver transplantation for Laennec's cirrhosis. Liver transplantation for alcoholic liver disease, Bethesda, Maryland, December 1996.
- Crews KA, Levy MF, Jenevein B, Nowel BL, Jeyarajah DR, Testa G, Abbasoglu O, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Neurologic death following liver transplantation. American Society of Transplant Physicians: 16th Annual Meeting, Chicago, IL, May 1997.

- 3. Gerhardt TC, Goldstein RM, Levy MF, Husberg BS, Testa G, Abbasoglu O, **Jeyarajah DR**, Gonwa TA, Klintmalm GB. Alcohol use among patients transplanted for alcoholic cirrhosis. American Society of Transplant Physicians: 16th Annual Meeting, Chicago, IL, May 1997.
- 4. **Jeyarajah, DR**, Kielar M, Lindberg G, Gokasian ST, Lu CY. FAS Ameliorates Cerulein-Induced Pancreatitis (AP). (Poster presentation). Third Biennial Americas Hepatopancreatobiliary Congress, Miami Beach, FL, February 2001.
- 5. **Jeyarajah DR**, Kielar ML, Frantz N, Zhang Y, Woodward V, Lu CY. Acute bile duct ligation impairs hepatic clearance of bacteria by induction of maladaptive cytokines. Poster presentation. AAS 36th Annual Meeting. Boston MA, Nov 2002.
- 6. **Jeyarajah DR**, Kielar ML, Devraj S, Lu CY. Bile Duct Ligation (BDL) results in increased liver IL-10 production and protection against renal ischemia in mice. American Society of Transplantation: 18th Annual Meeting, Chicago, IL, May 1999.
- 7. **Jeyarajah DR**, Kielar M, Frantz N, Lu CY. Interleukin 10, produced in response to biliary obstruction and hepatic infection, is protective. AAS 37th Annual Meeting. Sacramento, CA. 2003.
- 8. **Jeyarajah DR**, Kielar ML, Zhon X, Frantz NL, Karimi P, John R, Lu CY. A Role Model of Cholangitis Results in neutropinel recruitment by MIP2. Poster presentation at Surgical Infection Society. Indianapolis, IN, April 2004.
- 9. Karimi P, **Jeyarajah DR**, Bhagat V, Keilar ML, Bennett M, Gokasian T, Lu CY. Ineffective Macrophage Response in the Peritoneal Cavity of Neonatal Mice may lead to Cerebral Listeriosis: Role of Monocyte Chemo attractant Protein-1. UT Southwestern Medical Center. Dallas, TX, Feb 2005.
- 10. Shabout NM, Hamilton L, Rege RV, **Jeyarajah DR**. Cysts in the pancreas: how good is Computer Tomography in diagnosis? Poster presentation at American Hepato-Pancreato-Biliary Association Annual Congress. Ft. Lauderdale, FL, April 2005.
- 11. **Jeyarajah DR**, Kielar ML, John R, Karimi P, Lu CY. Impact of bile duct ligation on portal venous infection with E. coli: role of interleukin 10. Poster presentation at American Hepato-Pancreato-Biliary Association Annual Congress. Ft. Lauderdale, FL, April 2005.
- 12. David Curtis M.D, Amit Khithani MBBS, Maggie White RN, **D. Rohan Jeyarajah** MD. No ICU post pancreaticoduodenectomy: A reality, even with debilitated patients. SSO Phoenix AZ, March 2009.
- 13. David Curtis MD, Amit Khithani MBBS, Allison Vo RN, **D. Rohan Jeyarajah** MD. Pancreaticoduodenectomy (PD) at a non-university tertiary care center (NUTCC).Outcomes and feasibility. SSO Phoenix AZ, March 2009.
- 14. David Curtis MD, Amit Khithani MBBS, John Jay MD, Allison Vo RN, **D. Rohan Jeyarajah** MD. Feasibility of performing minimally invasive esophagectomy (MIE) at anon university tertiary training center (NUTTC). SSO Phoenix AZ, March 2009.

- 15. Amit S Khithani, MBBS, David E Curtis, MD, Maggie White, RN, **D. Rohan Jeyarajah**, MD. Reducing ICU admissions in higher ASA class patients after pancreaticoduodenectomy: Impact of a team based approach. AHBPA Miami Beach, April 2009.
- 16. David Curtis, MD, Amit Khithani, MBBS, A. Joe Saad, MD, **D. Rohan Jeyarajah**, MD. Margin status with a standardized protocol for the sectioning of pancreaticoduodenectomy specimens. AHBPA Miami Beach, April 2009.
- 17. Amit Khithani, MBBS, David Curtis, MD, A. Joe Saad, MD, Jeffrey D. Linder, MD, Paul Tarnasky MD, **D. Rohan Jeyarajah**, MD. Malignant potential in Intraductal Papillary Mucinous Neoplasm (IPMN): Why observe? AHBPA Miami Beach, April 2009.
- 18. David Curtis, MD, Amit Khithani, MBBS, Kesha Henderson MD, Alejandro Mejia MD, Stephen Cheng MD, **D. Rohan Jeyarajah**, MD. Gallbladder cancer- still a bad disease. AHBPA Miami Beach, April 2009.
- 19. David Curtis, MD, Amit Khithani, MBBS, MD, **D. Rohan Jeyarajah**, MD. Gallbladder cancer found after laparoscopic cholecystectomy: Is port site excision necessary? DDW, Chicago, May 2009.
- 20. Amit Khithani, MBBS, David E Curtis, MD, Christos Galanopoulos MD, John Jay MD, **D. Rohan Jeyarajah**, MD. Minimally invasive esophagectomies (MIE) at a non-university tertiary care center (NUTTC): Feasibility and outcomes. DDW, Chicago, May 2009.
- 21. Amit S Khithani, MBBS, David E Curtis, MD, Christos Galanopoulos MD, **D. Rohan Jeyarajah**, MD. Pancreaticoduodenectomy (PD) at a non-university tertiary care center (NUTCC): Outcomes and feasibility. DDW, Chicago, May 2009.
- 22. Amit S Khithani, MBBS, David E Curtis, MD, A. Joe Saad, MD, **D. Rohan Jeyarajah**, MD. An aggressive approach to pancreaticoduodenectomy (PD)– Surgeon's clinical suspicion matters. DDW, Chicago, May 2009.
- 23. Derick Christian, Amit Khithani, MBBS; Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. THE "WHIP-STOW" PROCEDURE: AN INNOVATIVE
 MODIFICATION TO THE PANCREATICOJEJUNAL ANASTOMOSIS. Oral
 poster presentation North Texas Chapter American of College of Surgeons
 Meeting Dallas, TX, Feb 2010.
- 24. Derick Christian MD, Amit Khithani, MBBS;, Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Comorbidites should not preclude resection in Esophageal cancer: The role of Minimal Invasive Esophagectomy: SSO, March 2010.
- 25. Amit Khithani, MBBS; Derick Christian MD, Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Oncologic efficacy of minimally invasive esophagectomy (MIE) after neoadjuvant chemoradiotherapy (NT) in esophageal cancer. SSO, March 2010.
- 26. Amit Khithani, MBBS; Derick Christian Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Counseling with the pathologist: Impacting node retrieval in pancreaticoduodenectomy

- for malignancy? 9 TH World Congress of the IHBPA, Buenos Aires, Argentina, April 2010.
- 27. Derick Christian MD, Amit Khithani, MBBS;, Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Lymph node metastasis in pancreatic endocrine tumors: size does matter. 9TH World Congress of the IHBPA, Buenos Aires, Argentina, April 2010.
- 28. Amit Khithani, MBBS; Derick Christian Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Multivisceral resections with Pancreaticoduodenectomy: Only after careful patient selection. 9 TH World Congress of the IHBPA, Buenos Aires, Argentina, April 2010.
- 29. Derick Christian MD, Amit Khithani, MBBS; Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Liver Transection with Microwave technology: A novel technique. DDW, New Orleans, May 2010.
- 30. Derick Christian MD, Amit Khithani, MBBS; Joshua Barton, MD; **D. Rohan Jeyarajah**, MD. Will Ki-67 predict lymph node status in pancreatic endocrine tumors? DDW, May 2010, New Orleans.
- 31. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. Does the presence of metastatic lymph nodes predict margin positive resection in pancreatic cancer. Poster presentation North Texas Chapter American of College of Surgeons Meeting Dallas, TX, Feb 2011.
- 32. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. CURATIVE RESECTION IN GALLBLADDER CANCER:
 DOES NODE STATUS PREDICT RESECTABILITY? Poster presentation North
 Texas Chapter American of College of Surgeons Meeting Dallas, TX, Feb 2011.
- 33. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD.Does the presence of metastatic lymph nodes predict margin positive resection in pancreatic cancer. Poster presentation North Texas Chapter American of College of Surgeons Meeting Dallas, TX, Feb 2011.
- 34. Kevin Lowe, Amit Khithani, MBBS; Derick Christian, MD; **D. Rohan Jeyarajah**, MD. CURATIVE RESECTION IN GALLBLADDER CANCER:
 DOES NODE STATUS PREDICT RESECTABILITY? Poster presentation North
 Texas Chapter American of College of Surgeons Meeting Dallas, TX, Feb 2011.
- 35. Amit Khithani, MBBS; Kevin Lowe, Derick Christian, MD; **D. Rohan Jeyarajah**, MD. Keeping it with the Surgeons: Esophagectomies for Barrett's with high grade dysplasia. SSO San Antonio TX, March 2011.
- 36. A. Khithani, K. Lowe, D. Christian, A. Mejia, **D. Rohan Jeyarajah**. PANCREATICODUODENECTOMY (PD) COMPLICATES MULTIVISCERAL RESECTIONS IN HEPATOPANCREATOBILIARY SURGERY. Annual Meeting of the AHBPA Miami Beach, March 2011.
- 37. A. Khithani, K. Lowe, D. J. Christian, **D. Rohan Jeyarajah**.
 PANCREATICOJEJUNAL ANASTOMOTIC STRICTURES: WHY REVISE
 WHEN THERE'S A PANCREATICOGASTROSTOMY Annual Meeting of the
 AHBPA Miami Beach, March 2011.

- 38. K. Lowe, A. Khithani, D. Christian, **D. Rohan Jeyarajah**. DOES THE PRESENCE OF METASTATIC LYMPH NODES PREDICT MARGIN POSITIVE RESECTION IN PANCREATIC CANCER? Annual Meeting of the AHBPA Miami Beach, March 2011.
- 39. K. Lowe, A. Khithani, D. Christian, **D. Rohan Jeyarajah.** MARGIN STATUS AFTER PANCREATODUODENECTOMY FOR PERIAMPULLARY AND HEAD OF PANCREAS TUMORS: ANATOMY OR TUMOR BIOLOGY? Annual Meeting of the AHBPA Miami Beach, March 2011.
- 40. Siripurapu, V, Liu, E, Winston, T, **Jeyarajah, DR**. Pancreaticoduodenectomies in High Volume Centers; Direct transfer to floor improves Length of Stay without affecting morbidity or mortality. (Poster Presentation) North Texas Chapter-ACS, February 2012.
- 41. Siripurapu, V, Winston, T, Liu, E, **Jeyarajah, DR**. Referral Patterns in Pancreatic Cancer to a High Volume Center; The Gastroenterologist Remains Your Friend. (Poster Presentation) North Texas Chapter-ACS, February 2012.
- 42. Siripurapu, V, Liu, E, Khithani, A, Mejia, A, Dickerman, R, **Jeyarajah, DR**. Tumor Location in Pancreatic Cancer Influences Lymph Node Positivity. (Oral Poster Presentation) AHPBA, March 2012.
- 43. Siripurapu, V, Liu, E, Khithani, A, Winston, T, R, **Jeyarajah, DR**. Superior Mesenteric Vein (SMV) Margin Positivity in Resectable Pancreatic Cancer Correlates with High Superior Mesenteric Artery (SMA) Margin Positivity; Is Vein Resection Advisable? (Oral Poster Presentation) AHPBA, March 2012.
- 44. Siripurapu, V, Winston, T, Liu, E, **Jeyarajah, DR**. Referral Patterns in Pancreatic Cancer to a High Volume Center; The Gastroenterologist Remains Your Friend. (Oral Poster Presentation) AHPBA, March 2012.
- 45. Siripurapu, V, Liu, E, Khithani, A, Winston, T, **Jeyarajah, DR**. A Surgeon's Learning Experience of Pancreaticoduodenectomies (PD): It Continues Despite a Decade Long Experience. (Oral Poster Presentation) AHPBA, March 2012.
- 46. Siripurapu, V, **Jeyarajah, DR**. How To Do a Whipple in Approximately Three Hours: Separation of the Right Colon Mesentery to Find the SMV and the Concept of the Mesopancreas. (Oral Poster Presentation) AHPBA, March 2012.
- 47. Siripurapu, V, **Jeyarajah, DR**. Methodist Dallas Medical Center HPB Fellowship. (Oral Poster Presentation) AHPBA, March 2012.
- 48. Osman, H, Thomas, A, **Jeyarajah, DR**. The Need for Jejunal Feed or TPN After Pancreaticoduodenectomy (PD): Is It Predictable? (Oral Poster Presentation) AHPBA. February 2013.
- 49. Osman, H, Thomas, A, **Jeyarajah, DR**. The Need for Jejunal Feed or TPN After Pancreaticoduodenectomy (PD): Is It Predictable? (Poster Presentation) North Texas Chapter-ACS. February 2013.

- 50. Osman, H, Thomas, A, **Jeyarajah, DR**. Not All Nodes Are the Same: Nodal Stations Variability in Pancreaticoduodenectomy (PD) and Role In Decision Making. (Oral Poster Presentation) AHPBA. February 2013.
- 51. Osman, H, Thomas, A, **Jeyarajah, DR**. Intraoperative Estimated Blood Loss Predicts Need for ICU Care: A Single Center Experience. (Oral Poster Presentation) AHPBA. February 2013.
- 52. Osman, H, Thomas, A, **Jeyarajah, DR**. Intraoperative Estimated Blood Loss Predicts Need for ICU Care: A Single Center Experience. (Poster Presentation) North Texas Chapter-ACS. February 2013.
- 53. Osman, H, Thomas, A, **Jeyarajah, DR**. Body Mass Index (BMI): Does It Make a Difference in Pancreaticoduodenectomy Outcome? (Oral Poster Presentation) AHPBA. February 2013.
- 54. Osman, H, **Jeyarajah, DR**. Hepato-Pancreato-Biliary (HPB) Surgery Fellows: What is After Fellowship? A Single Fellowship Experience (Oral Poster Presentation) AHPBA. February 2013.
- 55. Osman, H, Liu, E, Siripurapu, V, Winston, T, **Jeyarajah, DR**. Alvimopan Patients Show Significant Improvement in Recovery Post Pancreaticoduodenectomy Surgeries. (Poster Presentation) North Texas Chapter ACS. February 2013.
- 56. Patel, S, Cheek, S, Osman, H, **Jeyarajah, DR.** Transhiatal vs. Three- Hole Esophagectomy: Does Technique change Survival? (Poster Session) 54th Annual Meeting in conjunction with DDW, Chicago, IL. May 2014.
- 57. Osman, H, Parikh, J, Patel, S, **Jeyarajah**, **DR**. Are general surgery residents adequately prepared for hepatopancreaticobiliary (hpb) fellowships? Questionnaire based study (Oral Poster Presentation) AHPBA 2014.
- 58. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. The benefits of laparoscopic pancreatectomy: it does make a difference (Oral Poster Presentation) AHPBA 2014.
- 59. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. Differences in outcomes in pancreaticoduodenectomy (PD) in the modern era: does a malignant diagnosis make a difference? (Oral Poster Presentation) AHPBA 2014.
- 60. Cheek, S, Patel, S, Osman, H, **Jeyarajah**, **DR**. Concept of the mesopancreas: coining a new surgical anatomical space (Oral Poster Presentation) AHPBA 2014.
- 61. Patel, S, Cheek, S, Winston, T, Osman, H, **Jeyarajah**, **DR**. Is there a "July effect" for HPB cases? (Oral Poster Presentation) AHPBA 2014.
- 62. Patel, S, Cheek, S, Winston, T, Osman, H, **Jeyarajah, DR.** Incidental gallbladder cancer on cholecystectomy: is there more than meets the eye? (Oral Poster Presentation) AHPBA 2014.
- 63. Osman, H, **Jeyarajah**, **DR**. The current state of HPB fellowship experience in North America (Oral Poster Presentation) AHPBA 2014.

Craig A. Keathley, MD, FACOG

ckeathleymd@yahoo.com 817-564-4551

Office Address: Questcare Obstetrics

12221 Merit Drive, Suite 1500

Dallas, TX 75251

Mailing Address: P.O. Box 100966

Fort Worth, TX 76185

Education: Doctor of Medicine, 1997

University of Texas Medical Branch

Galveston, TX

Bachelor of Science, 1992

Baylor University

Waco, TX

Residency: Obstetrics and Gynecology, 1997-2001

University of Tennessee Health Science Center

Memphis, TN

Board Certification: American Board of Obstetrics and Gynecology,

Original Certification, January 2004

Currently participating in Maintenance of Certification

Licensure: Texas L8577

Professional Experience:

2013-present OB/Gyn Hospitalist

Questcare Obstetrics

Dallas, TX

2008-2013 Private Practice

Obstetrics and Gynecology

Fort Worth, TX

2004-2008 Trinity Clinic

Department of Obstetrics and Gynecology

Tyler, TX

2001-2004 Instructor

Department of Obstetrics and Gynecology University of Tennessee Health Science Center

Memphis, TN

Hospital Appointments:

Current: Medical City Arlington

3301 Matlock Road Arlington, TX 76015

817-465-3241 6/25/2013-present

Medical City Hospital Dallas

7777 Forest Lane Dallas, TX 75230 972-566-7000 7/22/2013-present

THR Harris Southwest Fort Worth

6100 Harris Pkwy Fort Worth, TX 76132

817-433-5000 6/1/2015— Present

Past Affiliations: Hendrick Medical Center

1900 Pine Street Abilene, TX 79601 325-670-2000 2014-2016

Denton Regional Medical Center

3535 S Interstate 35 Denton, TX 76210 940-384-3535 2014-2015

The Medical Center of Plano

3901 W 15th Street Plano, TX 75075 972-596-6800 2013-2014 Baylor All Saints Hospital 1400 8th Avenue Fort Worth, TX 76104 817-926-2544 2008-2015

Harris Methodist Fort Worth 1301 Pennsylvania Avenue Fort Worth, TX 76104 817-250-2000 2008-2014

East Texas Medical Center 1000 S. Beckham Avenue Tyler, TX 75701 903-597-0351 2004- 2008

Mother Frances Hospital 800 E. Dawson Tyler, TX 75701 903-593-8441 2004- 2008

Baptist Memorial Hospital 6225 Humphreys Blvd Memphis, TN 38120 901-227-9000 2001-2004

Methodist Hospitals of Memphis 1265 Union Avenue Memphis, TN 38104 901-516-7000 2001-2004

Regional Medical Center at Memphis 877 Jefferson Avenue Memphis, TN 38103 901-545-6969 2001-2004

Professional Organizations:

American Congress of Obstetricians and Gynecologists, Fellow Texas Medical Association Tarrant County Medical Society

Publication:

Vogt VY, Givens VM, Keathley CA, Lipscomb GH, Summitt RL Jr. Is a resident's score on a videotaped objective structured assessment of technical skills affected by revealing the resident's identity? Am J Obstet Gynecol. 2003 Sep; 189:688-91





Revised June 26, 2017

Curriculum Vitae

Vaishali Kent, MD

CURRENT TITLE: Breast Surgeon

1250 8th Avenue, Suite 545 Fort Worth, Texas 76104

512-517-0590

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1991-2001	B.S. Molecular Biology	University of Texas at Austin, Austin, TX

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
2002-2006	Doctor of Medicine	University of Texas Health Science
		Center at San Antonio, San Antonio,

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
2006-2011	Residency, General Surgery	INOVA Fairfax Hospital, Falls
		Church, VA
2011-2012	Fellowship, Breast Oncology Surgery	University of Southern California,
		Los Angeles, CA

BOARD CERTIFICATION:

Year Certified	Board	Specialty
2011	ABS	General Surgery

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
2011	Medical Board of California	6/30/2018
2012	Medical Board of Texas	5/31/2018

Vaishali Kent, MD FACS Page 1





Revised June 26, 2017

Chronology of Employment

OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
2012- present	Breast Surgeon	Baylor Scott and White Hospital, Fort
		Worth, TX
2012 - present	Breast Surgeon	Texas Health Methodist Hospital
		Downtown, Fort Worth, TX
2013- present	Breast Surgeon	Texas Health Methodist Hospital
		Southwest, Fort Worth, TX

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2012-present	Plaza Hospital	Breast lecture for ABSITE and board review for general surgery residents at Plaza Hospital, Fort Worth, TX

Honors and Awards

Years	Honor/Award Type	Institution
2000	Undergraduate Research Fellowship Award	University of Texas at Austin

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2013- present	Member/ Breast Site Committee	Baylor Scott and White Hospital, Fort Worth, TX
2017	Member/ Peer Review Committee	Baylor Scott and White Hospital, Fort Worth, TX
2017	Program Leader/ Breast Site Committee	Texas Health Methodist Hospital
		Southwest, Fort Worth, TX

Vaishali Kent MD, FACS Page 2





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Professional & Scientific Committees

Years	Title/Role,	Institution, City, State, Country
2012- present	Member	American Society of Breast Surgeons
2013- present	Member	American Society of Breast Disease
2013- present	Fellow	Society of Surgical Oncology
2013- present	Member	Texas Medical Association
2013- present	Member	Tarrant County Medical Society
2014- present	Fellow	American College of Surgeons

PEER-REVIEWED JOURNAL ARTICLES (Bold/underline faculty member's name)

Kakuda JT, Stuntz M, <u>Trivedi V</u>, Klein SR, Vargas HI
 Objective Assessment of Axillary Morbidity in Breast Cancer Treatment.
 Am Surg. 1999 Oct;65(10): 995-8

2. Kent V, Mukherjee D, Speir A

Complex Endovascular repair of concurrent ruptured Arch and Descending Thoracic Aortic Aneurysms in a patient with a previously replaced Abdominal Aorta

Vascular Disease Management. 2011 Jun 8 (6): 113-115

ABSTRACTS/POSTERS

- Rizzo AG, <u>Trivedi V</u>, Aldaghlas TA, Richmond RE, Sun RC, Robinson L
 Care for the contact isolation patient: Not Enough?
 Poster presented at Society of University Surgeons annual meeting, Feb 2010, San Antonio, TX
- Sun B, <u>Kent V</u>, Silverstein MJ
 Risk of Dying after Breast Cancer Surgery
 Poster presented at the American Society of Breast Surgeons annual meeting, April 2012, Phoenix, AZ
- 3. Wehner T, Kopkash K, Woodworth A, <u>Kent V</u>, Lang J, Silberman H, MacDonald H, Sheth P, Sener S Preoperative Axillary Ultrasound (AUS) for Identification of Sentinel Lymph Nodes in Breast Cancer. Presented at the Society of Surgical Oncology annual meeting, March 2013, Baltimore, MD

Vaishali Kent, MD FACS Page 3

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ORAL PRESENTATIONS

Conference Presentations

Rectal Prolapse – Colorectal Conference, Oct 2008, INOVA Fairfax Hospital, Falls Church, VA

Recurrent Rectal Cancer – Colorectal Conference, Jun 2009, INOVA Fairfax Hospital, Falls Church, VA

Abdominal Aortic Aneurysms - Vascular Conference, Sept 2009, INOVA Fairfax Hospital, Falls Church, VA

Carotid Body Tumors - Vascular Conference, Mar 2010, INOVA Fairfax Hospital, Falls Church, VA

Oncoplastic Surgery of the Breast – Tumor Board Conference, Dec 2012, Baylor All Saints Hospital, Fort Worth, TX

Grand Rounds Presentations

Wound Infections – Grand Morbidity and Mortality Conference, Oct 2008, INOVA Fairfax Hospital, Falls Church, VA

Perioperative Myocardial Infarction - Grand Morbidity and Mortality Conference, Jan 2009, INOVA Fairfax Hospital, Falls Church, VA

Rectal Cancer – Grand Morbidity and Mortality Conference, Aug 2009, INOVA Fairfax Hospital, Falls Church, VA

Thymomas – Grand Morbidity and Mortality Conference, Dec 2009, INOVA Fairfax Hospital, Falls Church, VA

Poster Presentations

Care for the contact isolation patient: Not Enough?

Poster presented at Society of University Surgeons annual meeting, Feb 2010, San Antonio, TX

MEDICAL VOLUNTEER EXPERIENCE

Year	Title/Role,	Institution, City, State, Country	
2005	Coordinator for the medical student volunteer effort for Hurricane Katrina	San Antonio, TX	
2010	Medical Mission Trip: Amazing Graze Orphanage	Amazing Graze Orphanage, Awasai, Kenya	
2010	Chief Resident Coordinator for the Baileys Community Surgery Clinic	Baileys Community Clinic, Falls Church, VA	

Vaishali Kent, MD FACS Page 4





Last Updated 7/22/17

Curriculum Vitae Whitney Beck LeFevre, M.D.

Current Title: Faculty Physician, John Peter Smith Family Medicine Residency

Business Address: Stop Six/Walter B. Barbour Health Center 3301 Stalcup Road, Fort Worth, TX 76119

Contact Information: Telephone: 978-609-0635, Email: whitney.b.lefevre@gmail.com

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degrees	Institution, City, State
	B.S. in Biology - Summa Cum Laude B.A in Psychology - Summa Cum Laude and University Honors	University of Missouri-Columbia, Columbia, MO

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
2009-2013	Doctor of Medicine	University of Missouri-Columbia,
		Columbia, MO

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
2013-2017	Residency, Family Medicine	Lawrence Family Medicine Residency, Lawrence, MA
2015-2017	Area of Concentration – Academics	Lawrence Family Medicine Residency, Lawrence, MA

BOARD CERTIFICATION:

Year Certified	Board	Specialty
2017	ABFM	Family Medicine

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
2013	Massachusetts Board of Registration Medicine, Limited License, 256362	June 30, 2017
2017	Texas Medical Board, TX, R2906	May 5, 2018

Chronology of Employment

OTHER PROFESSIONAL EXPERIENCE:

- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
Years	Title(s)	Institution, City, State
2007-2009	Teach For America Corps Member 7 th & 8 th grade Math & Science Teacher	Baltimore City Public Schools, Baltimore, MD





CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2017-	JPS Family Medicine Residency Faculty	Clinic preceptor at Stop 6 Clinic, attending
Present		physician on labor and delivery

HONORS AND AWARDS

Years	Honor/Award Type	Institution
2006	Mortar Board	University of Missouri – Columbia
2007	Phi Beta Kappa	University of Missouri – Columbia
2012	Alpha Omega Alpha	University of Missouri – Columbia
2013	Missouri Heart Institute Scholarship	Missouri Heart Institute
2013	Vernon Earl Wilson, MD Scholarship	University of Missouri – Columbia
2013	Ruby T. McVea Family Medicine Scholarship	University of Missouri – Columbia
2015	Beyond Flexner Social Medicine Resident Scholar	Beyond Flexner
2016	Faculty For Tomorrow Resident Scholar	Society of Teachers of Family Medicine
2017	Lawrence Family Medicine Resident Teacher Award	Lawrence Family Medicine Residency

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role	Institution, City, State, Country
2015-	Chief Resident	Lawrence Family Medicine Residency,
2016		Lawrence MA, USA

Professional & Scientific Committees

Years	Title/Role	Institution, City, State, Country
2013-	Graduate Medical Education Committee,	Lawrence Family Medicine Residency,
2017	Resident Member	Lawrence MA, USA
2015-	Program Evaluation Committee,	Lawrence Family Medicine Residency,
2017	Resident Member	Lawrence MA, USA
2016-	Centering Counts Steering Committee,	Lawrence Family Medicine Residency,
2017	Resident Member	Lawrence MA, USA

Professional Community Activities

Years	Title/Role	Institution/Organization, City, State,
		Country
2016-	Resident Liaison, Mentor	Science Club for Girls, Lawrence, MA, USA
2009-	Education Director, Director Advisor, Volunteer	Medzou Student- Run Free Health Clinic,
2013		Columbia, MO, USA

Global Health Experiences

Years	Title/Role	Institution/Organization, City, Country
	Volunteer in local medical clinic and outreach clinics	· · · · · · · · · · · · · · · · · · ·
2013	in region	Jamaica
Sept 2014	Volunteer resident physician in hospital	Baptist Medical Center, Nalerigu, Ghana
January	Volunteer resident physician in local clinic and	Bridges to Community, Mongallo,
2016	outreach clinics in region	Nicaragua





Professional & Scientific Organizations

Years	Title/Role	Organization
2013 - present	Member	American Academy of Family Physicians
2013 - present	Member	Society of Teachers of Family Medicine
2013 - 2017	Member	Massachusetts Academy of Family

ACTIVE GRANTS

Active Years: 3/2017-3/2018

Title: Community Action and Care for the Medically Uninsured Grant

Funding Amount: \$10,000

Funding Source: Massachusetts Medical Society

Project: Well Child Group Visits at Greater Lawrence Family Health Center

Role: Grant writer, Project co-creator

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

Years	Course Title and Description	# of times taught annually	Type of Students	# of students
2007 - 2009	7 th and 8 th grade Science – designed and implemented science curriculum, including unit design, student goals and objectives, lessons, and assessments with mastery tracking	Entire curriculum once a year	Middle School	15-20 in each grade
2016 - 2017	Well Child Group Visits Curriculum – designed and piloted this program, as well as created the curriculum guide as part of the pediatrics curriculum at Lawrence Family Medicine Residency Program.	Training once a year	Family Medicine Residents	8 residents per year, up to 24 residents a year

Clinical Teaching

2015-	Junior Clinic Precepting – acted as	20	Family	1 to 4
2017	clinic preceptor of junior residents in	sessions	medicine	residents
	clinic	per year	residents	per session

Small Group Teaching

Siliali Group ice	acining .				
2010	Mini-Medical School Counselor -	5 sessions	High	8 per small	
	Problem Based Learning Tutor	a week for	school	group	
		2 weeks	students		





2014- 2017	Outpatient AM Teaching Sessions – 15 minute lectures or activity on a variety of outpatient topics	6 - 8 sessions annually	Family Medicine Residents	6-10 residents per session
2015 - present	Advanced Life Support in Obstetrics Instructor – lecturer, hands - on small group facilitator, evaluator	Twice every 5 years (at minimum)	Family Medicine Residents	~ 10 residents per group

Continuing Education Lectures/Presentations

2015	EKG Basics – lecture during intern orientation of EKG basics	Once	Family medicine residents	10 residents
2015	Asthma Symposium – one hour of a 4 hour resident lecture series on asthma diagnosis and management	Once	Family medicine residents	10 residents
2015 - 2017	Journal Club – residency wide, two- hour long, interactive group activity analyzing primary literature, teaching evidence based medicine topics and skills	3 times a year	Family Medicine Residents and Faculty	~ 20 residents, 2-3 faculty members
2017	CAT Calls – Resident Summer Series Lecture on Rapid Response team cases	Once a year	Family medicine residents	~ 30 residents

PEER-REVIEWED JOURNAL ARTICLES

1. Luo ,Y., **Beck, W.** (2010). Do You See What I See? Infants' Reasoning About Others' Incomplete Perceptions. *Developmental Science*, 13(1): 124-142

UNPUBLISHED POSTER PRESENTATIONS

- 1. Guillet, R., **Beck, W**. (2006). Prophylactic Phenobarbital Use After Resolution of Neonatal Seizures: Survey of Current Practices. Strong's Children Research Center Summer Program Poster Session, Rochester, NY, USA.
- 2. Cole, E., **Beck, W.** (2013). Quantitative Assessment of a Diabetes Case Management Program in a Student-Run Free Clinic. Society for Student Run Free Clinics Annual Conference, San Antonio TX, USA.
- 3. Long, N., **Beck, W.**, Howenstine, D., Lindbloom, E. (2013). Electing to Serve: 4th Year Elective Opportunities at Medzou Clinic. University of Missouri School of Medicine Education Day Poster Session, Columbia, MO, USA.
- 4. Barr, W., **LeFevre, W.,** Van Den Berghe, C., Gravel, J. (2015). Lawrence Family Medicine Residency Transition to a Four-Year Program (an ACGME Length of Training Pilot Program). Harvard Primary Care Innovations Conference, Boston, MA, USA, * 2nd place winner.
- 5. Barr, W., **LeFevre, W.,** Van Den Berghe, C., Gravel, J., Pechinsky, G. Kelley, Z. (2015). Combining Educational and Clinical Roles to Facilitate PCMH Transformation in a Primary Care Residency Practice. Harvard Primary Care Innovations Conference, Boston, MA, USA.





- 6. **LeFevre, W**., St. Louis, J., and Johnston, J. (2016). Incorporating Group Well-Child Visits in a Residency Setting: A Pilot Group. Massachusetts Academy of Family Physicians Annual Meeting and Spring Refresher, Boston, MA, USA.
- 7. **LeFevre, W**., St. Louis, J., and Johnston, J. (2016). Incorporating Group Well-Child Visits in a Residency Setting: A Pilot Group. AAFP Family-Centered Maternity Care Conference, Madison, WI, USA.
- 8. Mygatt, C. Houser, M., **LeFevre, W.,** Marshall, C., Rosener, S., Barr, W. (2016). Beyond the Block: Successes and Challenges of Longitudinal Curricula. Society of Teachers of Family Medicine Annual Conference, Minneapolis, MN, USA.
- 9. Tse, J., **LeFevre, W.**, Corbi, G., Marshall, C. (2017). Incorporating a Mentoring Program into a Residency Community Medicine Curriculum. Massachusetts Academy of Family Physicians Annual Meeting and Spring Refresher, Boston, MA, USA.

ORAL PRESENTATIONS Meeting Presentations

National

2013 Beck, W., Cole E. In Pieces: Addressing Fragmentation of Chronic Disease Care with a

Diabetes Case Management Program. Society for Student Run Free Clinics Annual

Conference, San Antonio, TX, USA.

2016 St. Louis, J., **LeFevre, W.**, Johnston, J. Incorporating Group Well-Child Visits in a

Residency Setting: A Pilot Group. Society of Teachers of Family Medicine Annual

Conference, Minneapolis, MN, USA.

Barr, W., Valdini, A., Nokes, K., **LeFevre, W.** Scholarly Topic Round Table Presentation:

Learning Spanish in Residency – Si Tu Puedes! Society of Teachers of Family Medicine

Annual Conference, San Diego, CA, USA.

Regional/Local

2016

Gravel J., **LeFevre W.**, LeFevre N., Richardson M. Success on Your Match Day: Preparing, Applying & Interviewing at Family Medicine Residencies- Resident Panel. Massachusetts Academy of Family Physicians Annual Meeting, Boston, MA, USA.

OTHER SCHOLARLY ACTIVITY

1. Marshall, C, **LeFevre, W**. (2017). Second author on an update of an online family medicine curriculum resource guide for family medicine residency programs. Renal colic and Nephrolithiasis. Family Medicine Residency Curriculum Resource. https://www.fammedrcr.com/

LANGUAGES

English: Fluent

Spanish: Medical Spanish - ALTA Certified

Curriculum Vitae

Hao (Howe) Liu, PT, PhD, MS, MD

Physical Therapy Department of UNT Health Science Center 3500 Camp Bowie Blvd, MET 530, Fort Worth, TX 76107

Phone: (817) 735-2457 (Office); Fax: (817) 735-2518; Email: howe.liu@unthsc.edu

Educational background

05/99-05/01: Master of Physical Therapy (MPT)

Department of Physical Therapy

University of Mississippi Medical Center, Jackson, MS.

11/92-01/98: Ph.D in Anatomy

Department of Anatomy, University of Mississippi Medical Center,

Jackson, MS.

Mentors: Drs. Gregory Mihailoff and Duane Haines

09/87-07/90: M.S. in Neuroanatomy

Department of Anatomy, Suzhou Medical College, Suzhou, China.

Mentor: Dr. Yu Binhui

09/82-07/87: M.D. School of Medicine

Jiangxi Medical College, Nanchang, China.

Licensure/Certificate Information/Registration Number:

Texas State Board of Physical Therapy License No.: 1194329 (active)

Arkansas State Board of Physical Therapy License No.: 2702 (active).

Alabama State Board of Physical Therapy License No.: 3904 (inactive).

Louisiana State Board of Physical Therapy License No.: 04878 (inactive)

Certified Exercise Expert in Aging Adults (CEEAA)
Active

<u>Award</u>

2014 Outstanding Physical Therapy Researcher Award Texas Physical Therapy Association

Teaching Experience

Full Professor of Physical Therapy and Medical Education (Tenured) University of North Texas Health Science Center Fort Worth, TX

Sep 2015 to present

Role: Course director for PAPT both Gross Anatomy and Neuroanatomy

Adjunct Professor of Anatomy
University of North Texas Health Science Center
Fort Worth, TX
January 2011 to present
Role: Lab Instructor for TCOM Anatomy

Associate Professor of Physical Therapy (Tenured)
University of North Texas Health Science Center
Fort Worth, TX
January 2010 to Aug. 2015
Role: Course director for PAPT both Gross Anatomy and Neuroanatomy

Associate Professor of Physical Therapy (Tenured)
University of Central Arkansas
Conway, AR
May 2009 to December 2009
Role: Course director for PAPT both Gross Anatomy and Neuroanatomy

Assistant Professor of Physical Therapy
University of Central Arkansas
Conway, AR
July 2003 to May 2009
Role: Course director for PAPT both Gross Anatomy and Neuroanatomy

Guess Professor College of Nursing and Rehabilitation Sciences North China University of Science & Technology Tangshan, Hebei Province. China Oct, 2016 - present Guess Professor College of Rehabilitation Sciences Shanghai University of Health Professions Shanghai, China December 2015 - present

Academic Consultant Yueyang Hosoital Shanghai University of Traditional Chinese Medicine Shanghai, China Nov, 2014 - Present

Lectureship Professor
College of Disaster Management and Reconstruction
Sichuan University
Chengdu, Sichuan, China
December, 2014 – Present

Guest Professor Department of Rehabilitation Medicine Guangzhou Medical University Guangzhou, Guangdong, China November, 2014 - Present

Guest Professor Department of Rehabilitation Medicine Jiangxi Medical College of Nanchang University Nanchang, Jiangxi, China Nov. 2013 - present

Guest Professor College of Rehabilitation Sciences Gannan Medical University Ganzhou, Jiangxi, China May 2011 - present

Guest Professor Institute of Rehabilitation Medicine Guangdong University of Traditional Chinese Medicine (Foshan Hospital of Traditional Chinese Medicine) Guangzhou, Guangdong, China June 2013 – January 2015

Teaching Assistant, Department of Anatomy University of Mississippi Medical Center

Jackson, MS

November 1993 to May 1996

Role: Teaching assistant (1-2 lectures and lab instructor) for Gross anatomy, Neuroanatomy, Embryology, and Histology for medical school students

Instructor of Anatomy, Department of Anatomy Jiangxi Medical College Nanchang, China August 1990 to October 1992

Role: Course leader for Gross Anatomy and Neuroanatomy for medical school students

Clinical Experience

Physical Therapist (PRN) The Carlyle at Stonebridge Park Rehab & Nursing Center Cantex Continuing Care Network Southlake, TX Dec 2016 - present

Physical Therapist (PRN) Green Valley Nursing and Rehabilitation Center – Reliant Rehab Reliant Rehabilitation North Richland Hills, TX January 2015 - present

Physical Therapist (PRN) ONR, Inc. Fort Worth, TX Dec 2014 – June, 2015

Physical Therapist (Community Outreach to Senior Living Communities) University of North Texas Health Science Center (UNTHSC) Fort Worth, TX

January 2010 - present

Provide community-based geriatric-oriented pro bono service and consultation in senior living communities in Dallas/Fort Worth metropolitan area.

Physical Therapist (PRN) **Aegis Therapies** Little Rock, AR November 2003 to December 2009

Physical Therapist Director and employee of Rehabilitation services Bibb Medical Center Centreville, AL

December 2001 to June 2003

Manage and provide variety of diagnostic, interventional, and consultative rehab service to patients with acute medical problems in a comprehensive hospital as well as the service in a nursing home that is affiliated to the hospital.

Physical therapist (PRN)
MetroWest (HealthSouth) Hospital
Birmingham, AL
January 2002 to June 2003
Provide rehab service to patients in an acute (comprehensive) hospital

Physical therapist
Rayville Nursing & Rehabilitation Centers
Rayville, LA
June 2001 to November 2001
Provide rehab service to older patients living in these nursing homes

Researcher at Microsurgery Lab (part time)
Department of Plastic Surgery
University of Mississippi Medical Center
Jackson, MS
December 1999 to December 2000
Conduct research with rats with peripheral nerve injury

Post-doctor fellow/Research Associate
Department of Surgery Division of Otolaryngology
University of Mississippi Medical Center
Jackson, MS
March 1998 to June 1999
Conduct research with pigeons with balance dysfunctions

Graduate student (MS)
University of Mississippi Medical Center
Jackson, MS
November 1993 to May 1996
Learn and practice traditional Chinese medicine with my supervisors

Intern of General Medicine First Affiliated Hospital of Jiangxi Medical College Nanchang, China June 1986 to June 1987

Scholarship

Published Peer-reviewed articles

- 1. Du Q, Salem Y, Liu H, Zhou X, Chen N, Yuan XY, Liang JP, Sun K. A home-based exercise program for children with congenital heart disease following interventional cardiac catheterization: study protocol for a randomized controlled trial. Trial. 2017; 18:38. DOI 10.1186/s13063-016-1773-7
- **2.** Dong XY, **Liu H**, Papa E, Feng Z. Vagus nerve stimulation causes wake-promotion by activating orexins pathway in traumatic brain injury induced comatose rats. <u>Experimental and Therapeutic Medicine</u>. 2017. Accepted.
- 3. Xu DQ, Wang H, Chen D, Ross A, Liu H, Yurvati A, Raven PB, Shi XR. Aerobic Exercise Training Improves Orthostatic Tolerance in Aging Humans. Medicine & Science in Sports & Exercise. 2016. DOI: 10.1249/MSS.000000000001153.
- **4.** Arguello E, Stoddard C, **Liu H**, Richardson M, Hartis A. Surface Projection of Interosseous Foramen of the Leg: Cadaver Study. <u>Anatomical Research</u> International. 2016. ID 6312027.
- **5. Liu H**, Du Q. Periodic Assessment of Walking Devices in Senior Living Communities. <u>Journal of Aging Science</u>. 2016; 4:155. doi: 10.4172/2329-8847.1000155.
- **6.** Zhang H, **Liu H,** Lin Q, Zhang GH, Mason D. Effects of intermittent pressure imitating rolling manipulation on calcium ion homeostasis in human skeletal cells. <u>BMC Complementary & Alternative Medicine</u>. 2016; 16(1): 314.
- 7. Nguyen VH, **Liu H**, Rosales A, Reeves R. A cadaveric investigation of the dorsal scapular nerve. <u>Anatomical Research International</u>. 2016. Article ID 4106981
- **8.** Liu H, Quiben M, Holmes C, Connors M, Salem Y. Assessment of limits of stability with multidirectional reach test in older adults. Rehabilitation Nursing. 2015 Oct. doi: 10.1002/rnj.228
- **9.** Zhao YW, Salem Y, Master H, Holmes C, **Liu H**. Comparison of surface landmarks in measuring the rolling walker height in older rolling walker users. Physical & Occupational Therapy in Geriatrics. Accepted. 2015.
- **10.** Miao P, **Liu H**, Pan CH. Evaluation and accreditation of physical therapy education in United States. Chin J Rehabil Theory Pract, 2015, 21(2): 245-248
- **11.** Miao P, **Liu H**, Pan CH, Yu R. Clinical-oriented Curriculum of Physical Therapy Education in United States. <u>Northwest Med Edu</u>, 2015, 23(1): 1-3
- **12.** Holmes V, Liu H, Kirchhoff C, Rosales A. A variant of Extensor Medii Proprius A case Report. <u>International Journal of Anatomical Variation</u>. Accepted; 2014
- 13. Huang M, Liu H, Gu JW, et al. The Effect of Transcutaneous Electrical Nerve Stimulation at Acupuncture Points on Spinal Motor Neuron Excitability in People without Known Neuromuscular Diseases. <u>Journal of the Mississippi Academy Sciences</u>, 2014; 59 (Supple): 267-271.
- **14.** Qiu QX, Wang XM, **Liu H**. Analysis of Effect of falls by assistive ambulatory

- devices used by older adults in US. <u>Chinese Journal of Rehabilitation Theory and Practice</u>. 2014; 20(1):85-87.
- **15.** Guild J, **Liu H**, Connors M, Holmes C. Comparison of gait while ambulating with three different types of canes with normal subjects: a pilot study. <u>International Journal of Therapies and Rehabilitation Research</u>. 2012, 1 (3):1-9.
- **16. Liu H**, Holmes V, Nordon-Craft A, Reeves R. Variation of sternalis muscle: a case report. <u>International Journal of Anatomical Variations</u>. 2012; 5: 59–61.
- **17.** Liu H, Connors M, Grando V, Liu H. Tai Chi intervention for older adults using assistive devices in a senior living community: a pilot study. <u>International Journal of Therapy and Rehabilitation</u>. 2012; 19(3): 136-142.
- **18.** Liu H, Fletcher J, Garrison K, Holmes C. Bilateral Absence of the Semimembranosus and Quadratus Femoris Muscles: A Case Report. <u>International</u> Journal of Anatomical Variation. 2011, 4:40-42.
- **19.** Liu H, Eaves J, Wang W, Womack J, Bullock P. Assessment of canes used by older adults in senior living communities. <u>Archives of Gerontology & Geriatrics</u>. 2011; 52(3): 299-303.
- **20.** Nolen J, **Liu H,** Liu H, McGee M, Grando V. Comparison of Gait characteristics with a single-tip cane, tripod cane, and quad cane. *Physical and Occupational Therapy in Geriatrics*. 2010; 28(4):387-395.
- **21.** Liu H, Skinner R, Arfaj A, Yates C, Reese N, Williams K, Garcia-Rill E. L-Dopa effect on frequency-dependent depression of the H-reflex in adult rats with complete spinal cord transection. <u>Brain Research Bulletin</u>. 2010; 83(5):262-265.
- **22.** Liu H, Frank A. Tai Chi as a Balance Improvement Protocol for Older Adults: A Systematic Review. *Journal of Geriatric Physical Therapy.* 2010. 33(3):103-109.
- **23.** Liu H, Grando V, Zabel R, Nolen J. Pilot study evaluating fear of falling and falls among older rolling walker users. *International Journal of Therapy and rehabilitation*, 2009. 16(12): 671-676.
- **24.** Liu H, Fletcher J, Dailey M, Persson M. Surface projections of Radial Tunnel under the Supinator Muscle: A cadaver study. *Advances in Physiotherapy*. 2009. 11(4): 234-241.
- **25.** Liu H. Assessment of Rolling Walkers Used by Older Adults in Senior Living Communities. *Geriatrics & Gerontology International*. 2009. 9 (2): 124-130.
- **26.** Liu H, McGee M, Wang W, Persson M. Comparison of Gait Characteristics between Older Rolling Walker Users and Older potential Walker Users. <u>Archives of Gerontology & Geriatrics</u>. 2009. 48, 376-380.
- **27.** Liu H, McGee M, Prati V, Garrison K, & Fu Q. Comparison of Standing Balance Parameters Between True and Potential Rolling Walker Users. *Physical & Occupational Therapy in Geriatrics*. 2009. 27:298-309.
- **28.** Chen J, **Liu H**, Liu BZ, Quiben M, Uytingco E. Time between Stroke Onset and Rehabilitation: A Predictor of Mobility Recovery for Patients with Stroke in a Chinese Population. Philippine Journal of Allied Health Sciences. 2007; 2(1):18-25.
- **29.** Liu H, Rainey J, Zabel R, Quiben M, Kehavyov A, Boswell J. Comparison of two exercise programs using the falls efficacy scale, Berg balance scale and ankle dorsiflexor strength in older adults. *Physical & Occupational Therapy in Geriatrics*,

- 2007, 27(2):43-52.
- **30.** Liu H, Zabel R, Prati V. Assessment of dependence on assistive ambulatory devices among older adults: A new tool. *International Journal of Therapy and rehabilitation*, 2007. 14(9): 419-423.
- **31.** Liu H, Hu XL, Treadwell A. Variation of Extensor Carpi Radialis Muscles: An Anatomical Case Report. <u>Chinese Journal of Clinical Anatomy</u>. 2007, 25(3): 352-354.
- **32.** Prati V, **Liu H**. Perceptions of college students regarding the current physical therapy profession and professional education process. *The Internet Journal of Allied Health Sciences & Practice*. 2006, 4 (4):1-6.
- 33. Chen J, Liu H, Li ZB, Quiben M. Multivariant analysis of stroke rehabilitation outcomes: a pilot study in Chinese population. *Physical & Occupational Therapy in Geriatrics*. 2006, 24:1-14.
- **34.** Liu H, Fletcher J. Analysis of physicians' referrals: is further diagnosis needed? Northern American Journal of Sports Physical Therapy. 2006, 1:6-12.
- **35.** Liu H, Wellons M. Effect of excessive potassium on muscle strength: A case report. *Physical & Occupational Therapy in Geriatrics*. 2005, 23:55-66.
- **36.** Zhang F, **Liu H**, Stile F, Lei MP, Pang Y, Beck J, Dorsett-Martin W, Lineaweaver WC. Effect of Vascular Endothelial Growth Factor on Rat Achilles Tendon Healing. *Plastic and Reconstructive Surgery* 2003; 112:1613-1619.
- **37.** Zhang F, Richards L, Angel MF, Zhang J, **Liu H**, et al. Accelerating flap maturation by vascular endothelium growth factor in a rat tube flap model. *British Journal of Plastic Surgery*. 2002; 55(1):59-63.
- **38.** Hardy SG, Spaulding T, **Liu H**., Nick TG, Pearson RH, Hayes AV, Stokic DS. The effect of transcutaneous electrical stimulation on spinal motor neuron excitability in people without known neuromuscular diseases: the roles of stimulus intensity and location. *Physical Therapy*. 2002; 82(4):354-363.
- **39. Liu, H.**, and Mihailoff, G. Hypothalamopontine projections in the rat: anterograde axonal transport studies employing light and electron microscopy. *Anatomical Record.* 1999; 255(4): 428-451.

Non-Peer Reviewed Publications:

- **1. Liu, H.** Geriatric Rehabilitation Definition, concepts, and intervention selections. World Rehabilitation Engineering & Devices. 2013; 2:64-68.
- Liu H. Assistive ambulatory devices in ageing population: type, selection and proper use (invited review). <u>World Rehabilitation Engineering and Devices</u>. 2012; 3:57-61.
- **3. Liu H.** Posture, Gait and Falls Among Older Assistive Ambulatory Device Users (invited review). *Journal of Gannan Medical University*. 2011; 31(6):661-667.

Regional, National and International Conference Presentations (last 10 years)

- 1. **Salem &** Holmes, Liu. Exercise program for a patient with Sjogren's Disease: A complex patient case study. 2017 Combined Section Meeting of American Physical Therapy Association; San Antonio, TX. Feb 15-17, 2017.
- 2. Wu QW, Wang XW, **Liu H**, Salem Y. The effect of bilateral limbs rehabilitation training on post-stroke patients. 2017 Combined Section Meeting of American Physical Therapy Association; San Antonio, TX. Feb 15-17, 2017.
- Becnel M, Vo A, Salem Y, Liu H. Effectiveness Of Aquatic Therapy. Interventions In The Management Of Children With Cerebral Palsy: A Systematic Review. 2017 Combined Section Meeting of American Physical Therapy Association; San Antonio, TX. Feb 15-17, 2017.
- 4. Zhang H, Wang YL, Zhang GH, Zhang GY, Mou X, Huang L, **Liu H**. The Isokinetic Test and Surface EMG Examination of Core Muscle Groups in Professional Baseball and Softball Players with Waist Sport Injuries. 2016 Annual Conference of American Congress of Rehabilitation Medicine (ACRM). Chicago, IL. Oct-Nov., 2016.
- Zhang H, Liu H, Lin Q, Zhang GH, Mason D. Effects of Intermittent Pressure Imitating Rolling manipulation on Calcium ion Mediation in Human Skeletal Muscle Cells. 2016 Annual Conference of American Congress of Rehabilitation Medicine (ACRM). Chicago, IL. Oct-Nov., 2016.
- 6. Nguyen V, **Liu H**, Rosales A, Reeves R. A cadaveric investigation of the surface projection of the dorsal scapular nerve. 2016 Annual Conference of Texas Physical Therapy Association. Oct, 2016. Fort Worth, TX.
- 7. Fang H, Coppock A, Mabutas K, Bolinger E, Salem Y, **Liu H**. The effects of animal-assisted therapy on older adults with dementia: A systematic review. 2016 Annual Conference of Texas Physical Therapy Association. Oct, 2016. Fort Worth, TX.
- 8. Patel TM, Liu H, Lin C, Salem Y. Effect of Physical Therapy for patients with Temporomandibular Joint Syndrome. Combined Sections Meeting of the American Physical Therapy Association. February 17-20, 2016, Anaheim, California.
- 9. Wolf G, Juarez C, Bello A, **Liu H**, *Salem Y*. The Effects Of Aquatic Therapy On Neuromuscular Disease: A Review Of The Literature. Texas Physical Therapy Association 2015 Annual Conference. October 23-24, 2015, Arlington, Texas.
- 10. Pittmon W, Miao P, Salem Y, Liu H. Effects Of Music Therapy On Functional Mobility In Patients With Stroke. Texas Physical Therapy Association 2015 Annual Conference. October 23-24, 2015, Arlington, Texas.
- 11. Salem Y, Liu H, Altuna D, Ditthakasem K. Physical Function In Individuals With Digeorge Syndrome Or Velo-Cardio-Facial Syndrome. Texas Physical Therapy Association 2015 Annual Conference. October 23-24, 2015, Arlington, Texas.
- 12. Shi C, Truong T, Salem Y, Liu H. Effects Of Leaning-Forward Posture On Gait Parameters During Rolling Walker Use: A Preliminary Study. Texas Physical Therapy Association 2015 Annual Conference. October 23-24, 2015, Arlington, Texas.
- 13. Salem Y, Liu H, Tolbert M, Young A. Yoga Exercises For Young Children With Down Syndrome. Texas Physical Therapy Association 2015 Annual Conference. October 23-24, 2015, Arlington, Texas.

- 14. Master H, Salem Y, Holmes C, Liu H. Mirror Therapy for Patients with Hemiparesis
 A Systematic Review. Presented at the 2015 Combined Section Meeting of American Physical Therapy Association (APTA), Indianapolis, IN, Feb, 2015.
- 15. Miao P, Wang CH, **Liu H**, Pan CH. Characteristics of Surface Electric Signals of Vastus Lateralis and Vastus Medialis Oblique in Patients with Patellofemoral Pain Syndrome. Presented at the 2015 Combined Section Meeting of American Physical Therapy Association (APTA), Indianapolis, IN, Feb, 2015.
- 16. Schwarz B, Salem Y, Liu H, Holmes C, Podgore, J. Perceived Benefits and Barriers of Participation of Physical Therapy Students In Resource-Poor International Clinical Education. Presented at the 2015 Combined Section Meeting of American Physical Therapy Association (APTA), Indianapolis, IN, Feb, 2015.
- 17. Arguello E, Richardson M, Liu H. Surface Projection of Interosseous Foramen of Leg Cadaver Study. Presented at the 2014 annual conference of Texas Physical Therapy Association, October, 2014. Galveston, TX.
- 18. Bao Y, Liu H. Holmes C. Comparison of Elastic Bandage and Ankle-Foot Orthoses on Strephenopodia in Patients with Stroke. To be presented at the 2014 annual conference of Texas Physical Therapy Association, October, 2014. Galveston, TX.
- 19. Yarbrough K, Fugler J, Martel R, Wheeler A, Liu H, Salem Y. Use of Yoga in Children with Autism: A Systematic Review of Literature. To be presented at the 2014 annual conference of Texas Physical Therapy Association, October, 2014. Galveston, TX.
- 20. Salem Y, Altume D, **Liu H**, et al. Physical Function in Individuals with 22q11.2 Deletion Syndrome. 21st International Scientific Meeting of Velo-Cardio-Facial Syndrome, July 10-13, 2014, Las Vegas, NV.
- 21. Fang H, Crocker K, Balcar B, Liu H. Observation of Variation of Extensor Carpi Radialis Muscles: A Case Report. 2013 UNTHSC Research Appreciation Day. March, 2013.
- 22. **Liu H, Qiu QX**, Holmes C. Effect of Ba-Duang-Jin on Balance and Quality of Life. 2014 Annual Conference of Southern Gerontological Society, Little Rock, AR.
- 23. Salem Y, Liu H, Podgore J, Holmes C, Do S, Ghahremani S, Henson C. International Clinical Education For Physical Therapy Students. The Combined Sections Meeting of the American Physical Therapy Association. February 3-6, 2014, Las Vegas, Nevada.
- 24. **Liu H**, Salem Y, Huang M. Comparison of gait parameters between walking up and down an incline with and without using a walking device. Presented at the 2014 CSM meeting in Las Vegas, NV.
- 25. Salem Y, Bakry W, **Liu H**. Aquatic Exercises for Individuals with Multiple Sclerosis. The Combined Sections Meeting of the American Physical Therapy Association. February 3-6, 2014, Las Vegas, Nevada.
- 26. Salem Y, **Liu H**, Corbin A. Physical therapy for children with autism: evidence and treatment. The 5th Annual Adventures in Autism Intervention and Research Conference. July 27, 2013. Denton, Texas.

- 27. Hall H, **Liu H.** Backward Walking (BW) Used as an Intervention for Increases in Gait Speed and Balance: A Systematic Review. 2013 Annual Conference of Texas Physical Therapy Association, Arlington, TX.
- 28. Liu H. Analysis of Tai Chi as an Exercise Program for Balance Improvement in Older Adults. 7th World Congress of the International Society of Physical and Rehabilitation Medicine. June 2013; Beijing, China.
- 29. **Liu H**, Qiu Q, Zhao YW, Schwarz B. Effect of a Qi-Gong on Balance and Quality of Life among Older Adults A Pilot Study. 2013 APTA annual conference, Salt Lake City, UT.
- 30. **Liu H**, Salem Y, Qiu Q, Weeks N. Analysis of Exercise Programs in Assisted Living Facilities A Cross-sectional Study. 2013 APTA annual conference, Salt Lake City, UT.
- 31. Salem Y, **Liu H**, Corbin A. Physical therapy for children with autism: evidence and treatment. The 5th Annual Adventures in Autism Intervention and Research Conference. July 27, 2013. Denton, Texas.
- 32. Guild JR, Peterson LC, Peterson J, Langford R, **Liu H**. Mirror therapy's efficacy and mechanism in the promotion of motor recovery in hemiparetic post stroke populations. Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX April 12, 2013.
- 33. Liras G, Kirchhoff CA, Duong K, McMullen M, Stone C, Wier R, **Liu H**. Anatomical variation of the Latissimus Dorsi—Axillary Arch. Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX April 12, 2013.
- 34. Nguyen V, Hidrogo J, Hodge, C, Jiwani A, Tsen A, Varghese L, Vinnakota RD, Rosales A, **Liu H**, Reeves R. Extensor Indicis Brevis: a rare anatomical variant of the upper limb. Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX April 12, 2013
- 35. Vice L, Vaghasia M, **Liu H**, Guttmann G. Anatomical variation of the Sternocleidomastioid muscle: a case report. Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX April 12, 2013.
- 36. Lowry D, Langner C, Krug K, Smith H, Saverine A, **Liu H**. Bilateral appearance of adipose medial gastrocnemius muscle: a case report. Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX April 12, 2013.
- 37. Quiben M, **Liu H**, Zabel R. Comparison of the flexicurve and tragus to wall measurements of thoracic kyphosis. The 2013 Combined Section Meeting of the American Physical Therapy Association, San Diego, CA 2013.
- 38. Quiben M, **Liu H,** Zabel R. Comparison of thoracic kyphosis measurements: the flexicurve and tragus to wall. 2012 Annual Conference of Texas Physical Therapy Association, San Antonio, TX . Oct, 2012.

- 39. U LS, Hall J, Guild J, Dallman R, **Liu H**. Analysis of Patients Referred to Physical Therapy in Long Term Care Facilities. 2012 Annual Conference of Texas Physical Therapy Association, San Antonio, TX. Oct, 2012.
- 40. Salem Y, **Liu H.** Physical therapy for children with autism: evidence and treatment. 4th Annual Adventures in Autism Intervention and Research Conference. July 28, 2012. Denton, Texas.
- 41. Guild J, **Liu H**, Connors M, Holmes C. Comparison of Gait while ambulating with three different types of canes with normal subjects: A pilot Study. 2012 South Central Regional American Society of Biomechanics Meeting. Dallas, TX. April 2012.
- 42. Tao CB, **Liu H**. Effects of A Short Form Tai Chi intervention Compared to A Stretching Exercise and Walking Program in Older Adults A Randomized Control Trial. Will be presented at the 2011 Annual Conference of the American Physical Therapy Association in National Harbor, MD. June, 2011.
- 43. Liu H, McGee M, Wang W, Womack J. Effects of a forward-leaning posture on gait parameters in individuals using rolling walkers for ambulation assistance. Will be presented at the 2011 Annual Conference of the American Physical Therapy Association in National Harbor, MD. June, 2011.
- 44. **Liu H**. Jiao Y. Holmes C. A six-form Tai Chi intervention for older adults A Pilot study. Will be presented at the Southern Gerontological Society 25th Annual Scientific Meeting, Raleigh, NC, April, 2011.
- 45. Liu H, Tipton P. Effect of a Selected 6-Form Tai Chi on Improvement in Balance and Quality of Life among Older Adults. Will be presented at the Combined Section Meeting of the American Physical Therapy Association in New Orleans, LA. Feb, 2011.
- 46. **Liu H**, Nolen J, Wang, W, Hart S. A short form Tai Chi intervention for older adults A preliminary longitudinal study. Presented at the 2010 Annual Conference of the American Physical Therapy Association in Boston, MD. June, 2010.
- 47. Nolen J, **Liu H**, McGee M. Comparison of Gait Characteristics with a Single-Tip Cane, Tripod Cane, and Quad Cane. Presented at the 2010 Annual Conference of the American Physical Therapy Association in Boston, MD. June, 2010.
- 48. Lancaster K, McGee M, Forbush S, **Liu H**. A Task-Oriented Approach in the Management of Erb-Duchenne Palsy in a Typically Developing Pediatric Male: A Case Report. Presented at the 2010 Annual Conference of the American Physical Therapy Association in Boston, MD. June, 2010.
- 49. **Liu H**, Wang W. Evaluation of Canes Used by Older People in Senior Communities. Presented at the 2010 Combined Section Meeting of American Physical Therapy Association in San Diego, CA. Feb, 2010.
- 50. **Liu H**, Forbush S, Surface Anatomy and Nerve Innervation of the Sinus Tarsi: Cadaver Study. Presented at the 2010 Combined Section Meeting of American Physical Therapy Association in San Diego, CA. Feb, 2010.

- 51. Garrison K, **Liu H**, Forbush S. Variation of Extensor Medii Proprius: A Case Report. Presented at the 2010 Combined Section Meeting of American Physical Therapy Association in San Diego, CA. Feb, 2010.
- 52. **Liu H**, Grando V, Zabel R, Nolen J. Fear of falling among Older Walker Users: A Cross-Sectional Study. Presented at The Gerontological Society of America's 62nd Annual Scientific Meeting, taking place in Atlanta, GA, November, 2009.
- 53. Quiben M, Zabel R, **Liu H**, Rainey J. Biomechanical Analysis of Sit-to-Stand and Sit-to-Walk in Young and Older Males. Presented at the 2009 APTA Annual Conference in Baltimore, MD, June, 2009.
- 54. **Liu H**, Quiben M, Huang M. Effect of Ambulatory Devices on the Limits of Stability Measured by Multi-directional Reach Tests. Presented at the 2009 Combined Section Meeting of American Physical Therapy Association in Las Vegas, NV, Feb, 2009.
- 55. **Liu H**, Persson M, Stanley G, Eaves J. Assessment of Rolling Walkers Used by Older People in Senior Living Communities. Presented at the 2009 Combined Section Meeting of American Physical Therapy Association in Las Vegas, NV, Feb, 2009.
- 56. Quiben M, Zabel R, **Liu H**, Rainey J. Biomechanics of Sit-to-stand and Sit-to-walk in Older Males. Presented at the 2009 Combined Section Meeting of American Physical Therapy Association in Las Vegas, NV, Feb, 2009.
- 57. Quiben M, Zabel R, **Liu H**, Rainey J. Biomechanics of Sit-to-stand and Sit-to-walk in Young Males. Presented at the 2009 Combined Section Meeting of American Physical Therapy Association in Las Vegas, NV, Feb, 2009.
- 58. Huang M, Feng YZ, **Liu H**, Barnes L, Adah F, Greenwald N. Low Level Laser Therapy Improves Learning and Memory Functions in Neonatal Rats Following Hypoxic Ischemic Brain Injury. Presented at the 2009 Combined Section Meeting of American Physical Therapy Association in Las Vegas, NV, Feb, 2009.
- 59. **Liu H**, Jordan K. Assessment of Canes Used by Older People in Senior Living Communities. Presented at the 2009 conference of National Association of Clinical Nurse Specialists, St Louis, MO, March, 2009.
- 60. Wang W, **Liu H**, Lewis S, Persson M. Teaching the Complexity of Patient Compliance Management by Interactive Student-Centered Learning: A Six-Week Pilot Exercise Program for First Year PT Students. Presented at the 2008 APTA annual conference in San Antonio, TX, June 2008.
- 61. **Liu H**, McGee, M, Prati V, Huang M. Gait Characteristics in Older Rolling Walker Users: A Pilot Study. Presented at the 2008 APTA annual conference in San Antonio, TX, June 2008.
- 62. **Liu H**, Frank A. Strigler A, Stanley G, Persson M, Eaves J. Tai Chi as a Balance Improvement Protocol for Older Adults: A Review. Presented at the 2008 APTA annual conference in San Antonio, TX, June 2008.
- 63. **Liu H**, Fletcher J, Courtney R, Walter C, Wilkson C, Marshall C, Schultz M, Wang W. Surface Anatomy of Inter-compartmental Forman on Legs: A Cadaver Study. Presented at the 2008 APTA annual conference in Little Rock, AR, April, 2008.
- 64. Wang Y, Liu H, Cheng LH, Fletcher J. Comparison of Acupuncture and

- Electroacupuncture Interventions in Older Patients with Stroke. Presented at the 29th annual meeting of Southern Gerontological Society in Atlanta, GA, April, 2008.
- 65. **Liu H**, McGee M. Effect of Forward-Leaning Posture on Gait Parameters during Ambulation with a Rolling Walker. Presented at the 29th annual meeting of the Southern Gerontological Society in Atlanta, GA, April, 2008.
- 66. Zabel R, Quiben Q, **Liu H**, Charton, M. Re-examination of Normal Values for Thoracic Curvature in Older Females Based on the Index of Kyphosis. Presented at the 2008 APTA Combined Section Meeting in Nashville, TN, Feb 2008.
- 67. Zabel R, Quiben M, Charton M, **Liu H**. Reliability of Tragus to Wall as a Measure of Upper Thoracic Curvature in a Sample of Older Women. Presented at the 56th Conference of Gerontology Society of America in San Francisco, CA, November, 2007.
- 68. **Liu H**, McGee M, Prati V, Garrison K, Fu QY. Comparison of Standing Balance Parameters between Older Assistive Ambulatory Device Users and Non-users. Accepted for presentation at the 56th Conference of Gerontology Society of America in San Francisco, CA, November, 2007.
- 69. **Liu H**, Zabel R, Quiben M. Falls as a Side Effect of Using Assistive Ambulatory Devices: a Preliminary Pilot Study. Presented at the 4th International Confederation of Physical Therapy in Vancouver, Canada, June 2007. Abstract published by Physiotherapy. 2007; 93 (S1):S623.
- 70. Prati V, **Liu H**. Determining the Effect of Therapeutic Exercise Interventions on Fracture Risks for Women Older than 65 Years Old with Low Bone Mass. Presented at the 2007 APTA annual conference in Denver, CO. June 2007.
- 71. **Liu H**, Allen SA, Prati V. Test and Retest Reliability of Ambulatory Device Dependence Efficacy Scale for Ambulation (ADDESA) for Institutionalized Older Adults. Presented at 2007 APTA annual conference in Denver, CO. June 2007.
- 72. Huang M, **Liu H**, Hardy P, Hayes A, Nick T, Curbow-Wilcox K, Greenwald N, Stokic D. The Effect of Transcutaneous Electrical Nerve Stimulation at Acupuncture Points on Spinal Motor Neuron Excitability in People without Known Neuromuscular Diseases. Presented at the 2007 APTA Combined Section Meeting in Boston, MA. February, 2007.
- 73. **Liu H**, Garrison K. Bilateral Abductor Digital Minimi Accessorius Originating from the Palmaris Longus Muscles: A Case Report. Presented at the 2007 APTA Combined Section Meeting in Boston, MA. February, 2007.
- 74. Dailey M, **Liu H**, Treadwell A, Hoskinds J. Surface Anatomy of the Radial Tunnel: A Cadaver Study. Presented at the 2007 APTA Combined Section Meeting in Boston, MA. February, 2007.
- 75. **Liu H**, Skinner R, Arfaj A, Yates C, Reese N, Garcia-Rill E. Influence of Combined L-Dopa and Passive Exercise on H-reflex in Rats with Spinal Cord Transaction. Presented at the 2007 APTA Combined Section Meeting in Boston, MA. February, 2007.
- 76. Liu H, Chen J, Rainey J, Li ZB, Liu J. Length of Post-onset Time: A Predictor of Rehabilitation Outcome for Patients with Stroke in Shanghai, China. Presented at

- the 27th Annual Meeting of Southern Gerontology Society, Lexington, KY. April, 2006.
- 77. Jefferson J, **Liu H**. Analysis of Physician's Referrals to Pediatric Physical Therapy: Do Physical Therapist's Practice Autonomy? Presented at the 2006 APTA annual conference in Orlando, FL. June, 2006.
- 78. **Liu H**, Quiben M, Zabel R, Rainey J, Boswell J, Kehayov, A. Effect of An Exercise Program on Functional Mobility in Older Individuals: A Pilot study. Presented at the 2006 APTA annual conference in Orlando, FL. June, 2006.
- 79. **Liu H**, McGee M, Quiben M, Treadwell A, Loftin K. Observation of Variation of Extensor Carpi Radialis Muscles: A Case Report. Presented at 2006 APTA combined section meeting in New Orleans, LA. Feb, 2006.
- 80. **Liu H**, Quiben M, Chen J, Li ZB. A Retrograde Study of Multivariant Effect on the Stroke Rehabilitation Outcomes. Presented at the 2005 Conference of the Neurodevelopment Treatment Association. Houston, TX. Oct, 2005.
- 81. Prati V, **Liu H**, Fletcher J. Perception of College Students to the Current Physical Therapy Profession and Professional Education. Presented at the 2005 APTA annual conference in Boston, MA. June 2005.
- 82. Chen J, **Liu H**, Li, ZB, Quiben, M. Multivariant Analysis of Stroke Rehabilitation Outcomes: A Pilot Study in the Chinese Population. Presented at the 2005 APTA annual conference in Boston, MA. June 2005.
- 83. **Liu H**, Taylor D. Excessive Potassium in Muscle Strength: A Case Report. Presented at the 2005 APTA Combined Section Meeting in New Orleans, LA. Feb, 2005.
- 84. **Liu H**, Fletcher J. Analysis of Physicians' Referrals: Is Further Diagnosis Needed? Presented at the 2004 APTA Combined Section Meeting in Nashville, TN. Feb, 2004.

Invited Presentations (Since 01-04-2010)

- 1. Liu H. Peripheral Nerve Impingement of upper and Lower Extremities: Identification and Interventions. People's Hospital of Ganzhou. Ganzhou, Jiangxi, China. July 19-20, 2016.
- 2. Liu H. Kinesio Taping for Therapists. Qinzhou, Guangxi Province. June 3, 2016.
- 3. Liu H. Clinically Oriented Physical Therapy Education in US. The 2015 Annual Conference of Chinese Association of Physical Medicine and Rehabilitation. Wuxi, Jiangsu Province, China. Dec 21, 2015.
- 4. Liu H. Fall Preventions in the Elderly. Second Affiliated Hospital of Nanchang University. Nanchang, Jiangxi Province. China. July 3, 2015.
- Liu H. Mirror Therapy for Patients with Stroke. Second Affiliated hospital of Guangzhou Medical University, Guangzhou, China. Dec 13, 2014.

- 6. **Liu H.** Common injury of peripheral nerve in upper extremity. To Physical Therapists in Huaxi Hospital, Chengdu, Sichuan, China. Dec 19, 2014.
- 7. **Liu, H.** Writing a clinically based article what to be included? Department of Rehabilitation Medicine of 2nd Affiliated Hospital at Nanchang University, June 30, 2014; Nanchang, China.
- 8. **Liu H**. DPT Education in US A Clinic Oriented System. A Keynote speaker at the closing ceremony at the 15th Conference of Section of Rehabilitation and Physical Medicine of Chinese Medical Association (CMA), June 22, 2014; Nanchang, China.
- 9. **Liu H**. Evaluation and Intervention of Fall prevention among Older Adults What I am working on. Session of Geriatric Rehabilitation at the 15th Conference of Section of Rehabilitation and Physical Medicine of Chinese Medical Association (CMA), June 21, 2014; Nanchang, China.
- 10. Liu H. Manual Muscle Testing for Rehabilitation Professionals. College of Rehabilitation Science, GanNan Medical University. June, 2013. Ganzhou, Jiangxi. China.
- 11. **Liu H**. Rehabilitation for Common Geriatric Problems. FoShan Hospital of Traditional Chinese Medicine, June, 2013. Foshan, Guangdong, China.
- 12. **Liu H**. Selection and Effects of Assistive Ambulatory Devices among Older Adults. Rehabilitation Department of Zhong-Shan Medical College of Sun Yat-Sen University, Guangzhou, China. May 6th, 2011.
- 13. **Liu H**. Anatomical Application of Clinical Rehabilitation Upper Extremity. At the Gannan Medical University, Gan Zhou, China. May 8th, 2011.
- 14. Liu H. Effects of Stroke and Aging on Skeletal Muscles and Relevant Rehab Consideration for Older Patients with Stroke. The General Hospital of PLA, Beijing, China. May 12, 2011.
- 15. **Liu H**, Fisher C, Holmes C. A Hands-on Review of Clinical Anatomy. A continuing education course for 2010 annual conference of Texas Physical Therapy Association (TPTA). Arlington, TX. October 23rd, 2010.
- 16. **Liu H**. Clinical Anatomy: A Hands-on Review for the Physical Therapist and Physical Therapist Assistant. Continuing education course to physical therapy alumni of University of Central Arkansas (UCA). Conway, AR. October 11, 2008.
- 17. **Liu H**. Fall Prevention in the Elderly ---Rehabilitation Perspective. At 2nd Affiliated Hospital of Soochow University, SuZhou, China, Dec 27th, 2007.

- 18. Liu H. Some Basic Principles of Patient Rehab Care. At the Department of Rehabilitation Medicine, YueYang Hospital, Shanghai, China, May 20, 2007.
- 19. Liu, H. The Sacroiliac joint dysfunction: Anatomy, diagnosis, and treatment. Continuing education course to Bibb Medical Center physicians and nurses. Bibb Medical Center, Centreville, AL. August 8th, 2002.
- 20. **Liu, H**. Rehabilitation Medicine in the United States. An invited lecture to medical staff in the Jiangxi Provincial Hospital. Nanchang, Jiangxi Province, China. September, 30th, 2002.

Grant activities

OxiplexTS - Noninvasive Tissue Oximeter

Funding: \$50731.00

Grant source: Institute of Cardiovascular Medicine and Diseases

Role: Co-PI

Status: Under review

Effect of Combined Vibration Therapy with Regular Exercise for Patients with Multiple

Sclerosis in Community

Funding: \$20,000.00 (09/01/2016 – 08/31/2017)

Grant Source: Institute of Aging and Alzheimer Disease

Role: PI

Status: On-going

Gait Assessment When walking with a Rolling Walker to Make a Turn

Funding: \$1000.00 (2/2016 – 2/2017)

Grant Source: TCOM Research Fund of UNTHSC

Roe: PI

Status: on-going

Balance assessment in the elderly after a 12-week Computerized game-based

intervention

Funding: \$10,250.00 (6/2016 – 6/2017)

Grant Source: Alexandave Industries. Inc.

Roe: PI

Status: on-going

Vibration Therapy for Patients with Subacute Stroke

Funding: \$4,500.00 (1/2016-1/2017)

Grant Source: Texas Physical Therapy Association Foundation

Role: Co-PI

Status: On-going

<u>SmartWalker – A New Design of Rolling Walker to Reduce Falls and Walker-use</u>

Related Side Effects

Applied funding: \$100,000.00 (06/01/14 – 12/31/16)

Grant Source: Texas Medical Research Collaborative Fund

Role: PI

Status: On-going

Analysis of Gait When Walking with a Rolling Walker with Leaning Forward Posture

Funding: \$1000.00 (2/2015 – 2/2016)

Grant Source: TCOM Research Fund of UNTHSC

Roe: PI

Status: Completed

Use of Yoga for Young Children with Down Syndrome.

Applied funding: \$12,200.00 (04/01/2014 – 08/31/2015)

Grant source: UNTHSC Research Grant

Role: Co-PI Status: funded

Creating the Flipped Classroom for Human Gross Anatomy.

Applied funding: \$10,000.00 (03/01/2014 – 08/31/2015)

Grant source: UNTHSC Teaching fund

Role: Co-PI Status: funded

Functional Assessment for Patients with DiGeorge Syndrome.

Applied funding: \$1,500.00

Grant source: Texas Physical Therapy Association Research Fund

Role: Co-PI Status: funded

Wearable Body 3-D Sensor Network System for Older Adults in an Independent Living

Community.

Applied funding: \$230,229.00.85 (03/01/15 – 02/28/17)

Grant Source: National Institute on Ageing

Role: Principle Investigator

Status: Not funded

Effect of combined intervention of Tai Chi exercise and rolling walker education on older

rolling walker users.

Applied funding: \$339,935.85 (04/01/14 – 03/31/16)

Grant Source: National Center for Complementary and Alternative Medicine

Role: Principle Investigator

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Status: Not funded

Effect of interactive rolling walker education program on posture, balance, and gait.

Applied funding: \$145,000.00 (09701/13-06/30/15)

Grant Source: National Institute on Aging

Role: PI

Status: Not funded

Comprehensive Activity Pilot: Elders with Dementia Plus Frailty Syndrome in LTC.

Applied funding: \$3,500,000.00 (09/01/11-8/31/15) (\$756,817.00 as the UNTHSC

portion)

Grant Source: National Institute on Aging

Role: Co-PI Status: Not funded

Tai Chi Combined with a Rolling Walker Education Program to Improve Balance, Gait,

Posture, and Cardiopulmonary Capability in Older Rolling Walker Users

Applied funding: \$316,235.00 (2011 – 2013)
Grant Source: National Institute on Aging
Role: Principle Investigator

Status: Scored with JIT files submitted, but not funded.

Tai Chi Intervention Combined with a Cardiopulmonary and Rolling Walker Education

Program on Older Rolling Walker Users with Chronic Cardiopulmonary Conditions: A

Cluster- Randomized Clinical Trial

Applied funding: \$238,090.00 (2011 - 2013)

Grant Source: Clagett Family Research Grant of American Physical Therapy

Association

Role: Principle Investigator Status: Not funded but scored.

Protocols to Compare 2 Exercise Interventions for Elders with Frailty Syndrome.

Applied funding: \$77,906.00 (UCA share)

Grant Source: National Institute of Health Research Challenge Grant (RC1)

Role: Co- Principle investigator

Status: Not funded (submitted in April 2009).

Comparison of Three Tai Chi Exercise Interventions on Prevention of Falls among Older

Adults with Multiple Medical Conditions

Applied funding: \$209,579.00

Grant Source: National Institute of Health Research Challenge Grant (RC1)

Role: Principle investigator

Status: Not funded.

Tai Chi Combined with a Rolling Walker Education Program to Improve Balance and

Gait in Older Rolling Walker Users.

Applied funding: \$150,000.00

Grant Source: National Institute on Aging (R15) (Submitted in year 2008)

Role: Principle Investigator

Status: Not funded.

Effect of Assistive Ambulatory Devices on Balance, Posture, and Strength in Older

Individuals.

Approved Funding: \$28,613.20

Grant Source: American Federation for Aging Research (Year 2007)

Role: Principle Investigator

Status: Not Funded.

Tailored Home Exercise-Partner Intervention for Post-Hospitalized Frail Elders.

Approved Funding: \$15,000.00

Grant Source: Department of Health and Human Services, University of Arkansas

for Medical Sciences (Year 2007)

Role: Co-Investigator

Status: funded and study completed.

Study of Integration of TCM with Western Rehabilitation Techniques for Patients Post

Acute Myocardial infarction.

Applied Funding: 4,000,000.00 Yuan (RMB). (\$500,000.00)

Grant Source: Science & Technology Committee of Shanghai, China (Year 2006)

Role: Collaborative Investigator

Status: Not funded

Influence of Combined L-dopa and Passive Exercise on Restoration of the Frequency

<u>Dependent Depression of the H-Reflex in Rats with Spinal Cord Injury.</u>

Approved Funding: \$16,724.00

Grant No.: NIH Award #: 5 P20 RR016460

ORSP/ARIA #: 0701

Grant Source: Arkansas Biomedical Research Infrastructure Network (BRIN)

(Year 2005)

Role: Principle Investigator

Status: Funded. Study completed.

Intervention in Postmenopausal Women with Sarcopenia.

Grant No.: PAR-03-056

Grant Source: National Institute on Aging (Year 2003)

Role: Co-principle investigator

Status: Not funded

Morphology of Basilar Pontine Nuclei.

Grant No.: NS 12644 (1992-1998)

Grant Source: National Institute of Health

Role: Co-investigator. (Principle investigator: Dr. Greg Mihailoff)

Status: Funded and Completed.

Internal Grant Activities

Effect of Passive Exercise on Muscular and Behavior Recovery after Transient Focal

Cerebral Ischemia

Applied funding: \$18,692.00 (2011-2012)
Grant Source: UNTHSC Seed Grant

Role: PI

Status: Not funded

Effect of Assistive Ambulatory Devices on Balance and Posture in Older Individuals.

Approved Funding: \$4,550.00 Grant Number: URC 216116

Grant Source: University Research Council (URC) grant (2007-2008)

Role: Principal Investigator

Status: Completed.

Depression and Fear of Falling Among the Elderly People Using Assistive Ambulatory

Devices.

Approved Funding: \$1,377.00
Grant Number: URC 132217

Grant Source: University Research Council (URC) grant (2006-2007)

Role: Principle Investigator

Status: Completed

Effect of An Exercise Program on Functional Mobility in Older Individuals: A Pilot Study.

Approved Funding: \$1,000.00

Grant Source: Faculty Enhancement Grant (2005-2006)

Role: Principle Investigator

Status: Completed

Effects of an Exercise Program on Risk of Falling in Elderly Individuals: Outcome

Measured with Falls Efficacy Scales and Berg Balance Scale.

Approved Funding: \$2,102.00 Grant No.: URC 212-220

Grant Source: University Research Council (URC) grant (2004-2005)

Role: Principle Investigator

Status: Completed

Book and Book Chapters (Since working at UNTHSC)

- **1.** Liu H, Li H. Guidance of Health for Older Adults in USA. Sichuan University Press. Chengdu, China. January, 2014.
- **2.** Liu H, Luo J. Musculoskeletal Anatomy for Rehabilitation Professionals. Press of Jiangxi Science & Technology: Nanchang, China. 2015.
- 3. Potter JF, Liu H. Chapter 31. Gait Impairment Questions Writer. In: Durso SC, Sullivan GM. Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine, 9th Ed. 2016.
- **4.** Liu H, Salem Y. Variation of Pelvic Diaphragm and External Anal Sphincter. In: Tubbs S, Shoja MM, Loukas M. Comprehensive Encyclopedia of Human Anatomic Variation. Wiley Publisher. 2016.

Teaching activities

At University of North Texas Health Science Center (UNTHSC)

DPHT 7600 Gross Anatomy – Fall 2010 – present (Course director)

DPHT 7210 Neuroscience – Fall 2011 – present (Course director)

DPHT 7305 Applied Anatomy/Kinesiology – Fall 2010 (course director)

DPHT 7322 Pathology/Pharmacology – Spring 2011 (course director)

DPHT 7272 Evidence Based PT Practice – Summer 2010- present (course director)

At University of Central Arkansas (UCA)

PTHY 5055 Gross Anatomy – Fall 2003-2009 (Course coordinator).

PTHY 6501 Neurosciences – Spring 2004-2009 (lab coordinator)

PTHY 7390 Advanced Anatomy (Imaging Anatomy) - Summer 2003-2009 (course coordinator)

PTHY 7365 Differential diagnosis – Summer 2003-2006 (course co-coordinator in 2003, 2004, and guest lecturer in 2005, 2006)

PTHY 7330 Applied Histology, Physiology, and Pathology – Summer 2005, 2006 (Course coordinator)

PTHY 6340 Research Design – Summer 2006 – 2009 (course coordinator)

PTHY 5190/5290 International Study of Physical Therapy – Spring & Summer 2005, 2007(course coordinator).

PTHY 7520 Cardiopulmonary Rehabilitation – Spring 2004 – 2008 (lectures on Cardiopulmonary Anatomy, Physiology, and Pharmacology)

PTHY 6150 Pathology: Summer 2007, 2008, 2009 (lectures on Cardiopulmonary Pathology)

Services

Off-Campus Services

Committee chair/members at national level

- Program Planning Committee Geriatrics; American Congress of Rehabilitation Medicine (ACRM) – 2016 - 2018
- Committee for Screening Proposal/Abstract of American Physical Therapy Association (APTA) Annual Conference ---2008-2012
- Committee for McMillan Scholarship Award of APTA ---2008-2012
- Membership Committee of the APTA's Section on Research ---2007-2010
- Chair of Award Committee of the APTA's Section on Research 2012 2015

Consultant/expert in Geriatrics and Anatomy

- Invited articles written for a quarterly magazine "Vision" published by the Arkansas Geriatric Education Center (AGEC). In year 2008 and 2009.
- An invitation to physical medicine/physiotherapy Consulting Consortium.
 In year 2007
- Active in APTA members mentoring program since year 2004
- Invited to attend the PT Educator's Focus Group by Slack, Inc. in 2006 and by Elsevier in 2007.

Reviewer/Editorial member for peer-reviewed journals or publishers

- Editorial board member for peer-review journal of <u>Translational Medicine</u> <u>in Anatomy</u> (since January 2015)
- Editorial board member for peer-review <u>journal of Sports Medicine and</u> <u>Therapy</u> (since January 2016)
- Editorial board member for peer-reviewed journal of <u>Physical and Occupational Therapy in Geriatrics</u> (since May 2008).
- Editorial board member of peer-reviewed <u>Journal of Sports Medicine & Doping Studies</u> (since Feb, 2011).

- Editorial member of World Rehab Engineering and Devices (since June 2012)
- Abstract and Symposium reviewer for the annual conference of the Gerontological Society of America (GSA) – 2009 -2013
- Active reviewer for Rehabilitation Nursing since March, 2014 (have reviewed 2 for this journal).
- Active reviewer for the Journal of International Rehabilitation and Therapy since Jan, 2010 (reviewed 3 manuscripts in year 2010)
- Active reviewer for the *Journal of Geriatric Physical Therapy* since Jan, 2008 (reviewed 3 manuscripts in average per year in last two years).
- Active reviewer for the *Physical Therapy* since Feb, 2005 (reviewed 3-4 manuscripts in average per year in last 5 years).
- Review two chapters for Lippincott Williams & Wilkins on the Moore, Clinically Oriented Anatomy (5th ed) in 2006.
- Active reviewer as a rater in the McMaster Online Rating of Evidence System since Jan, 2007.

Community services

- Provide presentations of fall prevention to older individuals living in local communities: in each of 7 senior communities in Dallas/Fort Worth metropolitan area since January 2010.
- Pro bono physical therapy services and consultation to community and UNTHSC faculty, staff, and students since January 2010.
- Provide presentations of stroke prevention and fall prevention to older individuals living in the local communities: 1-2 times each year (spring and or fall) in each of 8 senior communities in central Arkansas area between years 2006 - 09.
- Pro bono physical therapy services and consultation to community and UCA faculty, staff, and students, 2003 to 2009.

On-campus Services

On campus committee at UNTHSC

Departmental level	Der	artmenta	l level
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Departmental Curriculum Committee	2010 - present
Departmental Admission Committee	2010 - present
Departmental Faculty Search Committee	2010 – present
Research Coordinator	2010 - present

UNTHSC University/School level

Chairperson of Promotion & Tenure Committee

(School of Health Profession) 2010 – present Faculty Grievance and Appeal Committee 2011 - 2013 UNTHSC Research Strategic-Thinking Council 2010 - 2013

Committee for Texas Academy of Biomedical Sciences 2010 – 2012 UNTHSC Regent Rule Committee 2011 - Present

On-campus Committee at UCA (2003-09)

Departmental level

a. Departmental Promotion & Tenure Committee	2009 - 2009
b. Research Forum coordinator	2007 - 2009
c. Budget Planning & Advisory Committee	2005 2009
d. Department PhD Admission Committee	2003 – 2009
e. Committee for Publication and Public Relations	2007 – 2009
f. PhD Program Committee	2006 2009
g. Departmental Research Committee	2007 – 2009
h. Faculty Search Committee	2006 – 2009
 DPT Student Academic Advisor 	2003 2009
j. Instructional Technology/Computer Committee	2004 2006
k. Student Safety Assessment Committee.	2004 – 2006

College level:

a.	Geriatrics special interest group	2007 2009
b.	Minority Student Recruitment Committee	2005 2007
C.	Outstanding Student Award Committee	2004 2006

University level:

a. Institutional Review Committee (IRB)	2006 - 2009
(review 15-20 IRB applications annually)	

b. Institutional Animal Care and Use Committee (IACUC) 2005 -- 2009

(Review 5-8 IACUC applications annually)

c. Committee for Public Service Award 2004 – 2006 d. Committee for Outstanding Teacher Award 2006 -- 2008

Mentorship

Visiting Scholars

- 1. Zhang Hong, MD, PhD. Yue-yang Hospital, Shanghai University of TCM, Shanghai, China. Nov., 2014 April, 2015.
- 2. Bao Yi, MS, PT. Provincial Hospital of Yunnan, Chengdu, Yunnan, China. Nov, 2014 Oct. 2015.
- **3.** Ping Miao, MD, MS. Second Affiliated Hospital of Guangzhou Medical University, Guangzhou, Guangdong, China, May 2014 May 2015.
- **4.** Rui (Ray) Ma, MD, PhD. Zhengjiang Medical College of Jiangsu University, Zhengjiang, Jiangsu, China. July 2013 January 2014.
- **5.** Qlu, Qixiang (Shawn). MD, MS. GanNan Medical University, Ganzhou, Jiangxi, China. July 2012 July 2013.

MD Students

- 1. Justin Koenemann and Javier Piraino (Class 2013 2017). Anatomical analysis of anterior interosseous syndrome.
- 2. Talon Miner (Class 2011 2015). Effect of osteopathic manipulation on bottom of foot to improve lower extremity circulation.
- 3. Cindy Chen (Class 2012 2016). Analysis of posture influence on gait among those who use rolling walkers for daily activity.
- 4. **PhD Students (as** PhD advisor or advisor committee member)
 - a. Advisor. Vuvi Nguyen, Anatomical revisit of dorsal scapular nerve clinical consideration (2012 present).
 - b. Advisor for Ms. Myles Quiben (Graduated in 2009)
 - c. Committee member for Mr. Chad Glasmore (Graduated in 2009)
 - d. Committee member for Ms. Margaret McGee (graduated in 2007)
 - e. Committee member for Mr. James Fletcher (graduated in 2006)

Research supervisor for DPT students at UNTHSC

- a. Research mentor for physical therapy student project (not required) 2010-2013 Jeff Guild in Class 2013 who received Dean's award for student's research excellence award for his pee-r-reviewed article in study on walking sticks.
- b. Research mentor for physical therapy students group project (required) Mirror therapy study in Class 2013 2012-2013.
- Jeff Guild, Lauren Peterson, Jenny Peterson, Rachael Langford who received 1st place ward of Physical Therapy in 2013 RAD (Research Appreciation Day), UNTHSC 2013.
- d. Alex Gustaf, Sam Taylor. Gait analysis walking on an incline with different

- ambulatory devices. Presented at the 2014 Conference of Texas Physical Therapy Association, Arlington, TX
- e. Hesper Fang, Case report of extensor indices proprius a cadaver study. Presented at UNTHSC 2014 Research Appreciation Day.
- f. Ceci U. Analysis of exercise programs in assisted living communities. Presented at the 2013 Conference of Texas Physical Therapy Association, San Antonio, TX.
- g. Rebecca Pares. Functional analysis of people with DeGorge syndrome. Presented at the 2014 US DeGorge Syndrome conference, Las Vegas, NV. July 2014.

Research Mentor for Physician Assistant (PA) Program students

Marc Saldivar (Feb 2010 – Present)
Bensley Mathew (Feb 2010 – present)

Research Mentor for DPT (Non-PhD) students at UCA

- a. Victor Prati (2005 2007)
- b. Micah Daily (2006 2007)
- c. Garrett Stanley (2007 2008)
- d. Mary Persson (2007 2008)
- e. Jeff Nolan (2008 2009)
- f. Jill Womack (2009-present)
- g. Paige Bullock (2009-present)
- h. Josh Eaves (2009 present)
- i. Park Tipton (2009 present)

Technique Writing Mentor for Undergraduates

- a. Victor Prati (2004 2005)
- b. Ben Klinck (2006 2007)
- c. Jacob Johnson (2007 2008)
- d. Josh Eaves (2007 2008)

Professional Development

Membership

1.	American Physical Therapy Association (APTA)	1999 - Present
2.	Sections on Geriatrics and Research of APTA	2003 - Present
3.	Gerontological society of America (GSA)	2005 - Present
4.	Texas Chapter of APTA	2010 - present
5.	International Society for Aging and Physical Activity	2004 - 2006
6.	American Association of Anatomists (AAA)	1997 - 2001
7.	Society for Neurosciences (SFN)	1994 - 2000
8.	International Brain Research Organization (IBRO)	1995 - 2000

Continuing Education/Professional Meetings

- 1. Bridging the divide: Geriatric conference. St. Joseph's Mercy Health Center, Hot Springs, AR. Oct. 24, 2003
- 2. Rehabilitation outcome measures (self-study certification program). Aegis Therapies. Nov. 27, 2003.
- 3. 2004 Combined Section Meeting of American Physical Therapy Association (APTA). Feb, 2004. Nashville, TN.
- 4. 2005 Combined Section Meeting of American Physical Therapy Association. Feb, 2005. New Orleans, LA.
- 5. 2006 Combined Section Meeting of American Physical Therapy Association. Feb, 2006. San Diego, CA.
- 6. 2006 APTA annual Conference. June, 2006. Orlando, FL.
- 7. Management of hypertension and stroke in older adults. Nov 3rd, 2006. University of Arkansas for Medical Sciences, Little Rock, AR.
- 8. 2006 Southern Gerontological Society annual meeting, April, 2006. Lexington, KY.
- 9. 2006 Annual Arkansas Aging Conference, Nov. 2006, Hot Spring, AR.
- 10. 2007 Combined Section Meeting of American Physical Therapy Association. Feb, 2007. Boston, MA.
- 11. 2007 APTA annual Conference. June, 2007. Denver, CO
- 12. 2007 Annual Conference of Gerontological Society of American, Nov, 2007, San Francisco, CA.
- 13. 2008 Southern Gerontological Society annual meeting, April 2008. Atlanta, GA
- 14. 2008 APTA annual Conference. June 2008, San Antonio, TX.
- 15. 2009 Combined Section Meeting of American Physical Therapy Association. Feb, 2009. Las Vegas, NV.
- 16. Diabetes in the elderly. Sponsored by the Arkansas Geriatric Education Center (AGEC). At the University of Arkansas for Medical Sciences. Nov 4th, 2009. Little Rock, AR.
- 17. 2010 Combined Section Meeting of American Physical Therapy Association. Feb. 2010. San Diego, CA.
- 18. Yoga for Geriatric patients. Provided by Health-Link, Inc. May 21st 2010.
- 19. 2010 annual Conference of *American Physical Therapy Association*. June 2010, Boston, MA.
- 20. 2011 Combined Section Meeting of American Physical Therapy Association. Feb, 2011. Tempa, IL.
- 21. 2011 annual Conference of *American Physical Therapy Association*. June 2011, Boston, MA.
- 22. 2011 Annual Conference of Texas Physical Therapy Association, Oct, 2011, Houston, Texas.

- 23. 2012 Combined Section Meeting of American Physical Therapy Association. Feb, 2012. Chicago, FL.
- 24. 2012 annual Conference of *American Physical Therapy Association*. June 2012, Baltimore, MA.
- 25. 2012 annual Conference of Texas Physical Therapy Association, San Antonio, TX. Oct, 2012.
- 26. 2013 Combined Section Meeting of American Physical Therapy Association. Feb, 2013. San Diego, CA.
- 27. 2013 annual Conference of *American Physical Therapy Association*. June 2013, Salt Lake City, UT.
- 28. 2013 annual Conference of Texas Physical Therapy Assocaition, Oct, 2013. Arlington, Texas.
- 29. 2014 Combined Section Meeting of American Physical Therapy Association. Feb, 2014. Las Vegas, NV.
- 30. 2014 annual Conference of *American Physical Therapy Association*. June 2014, Charlotte, NC
- 31. 21st International Scientific Meeting of Velo-Cardio-Facial Syndrome, July 10-13, 2014, Las Vegas, NV.
- 32. 2015 Combined Section Meeting of American Physical Therapy Association. Feb, 2015. Indianapolis, IN
- 33. 2016 Combined Section Meeting of American Physical Therapy Association. Feb, 2016. San Diego, CA.
- 34. 2016 Annual Conference of American Congress of Rehabilittion Medicine. Nov, 2016; Chicago, IL.
- 35. 2017 Combined Section Meeting of American Physical Therapy Association. Feb, 2016. San Antonio, TX.





07/09/2017

Curriculum Vitae

Douglas D. Lorimer, M.D., FACS

CURRENT TITLE: Task Force Member

5450 Clearfork Main Street Ste 420

817-454-3638

Chronology of Education:

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1970-1974	B.S. Pre-Med (<i>cum laude</i>)	Texas Christian University

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1973-1976	Doctor of Medicine	Univertsity of Texas Medical Branch
		Galveston, Texas

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
1976-1977	Surgical Internship-General Surgery	John Sealy Hospital
		Galveston, Texas
1977-1981	Residency-General Surgery	Saint Paul Hospital
		Dallas, Texas

BOARD CERTIFICATION:

Year Certified	Board	Specialty
1982 1992	ABS	General Surgery
2002	ABS ABS	
2012	ABS	

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
1976	Texas Medical Board 1976	November 2017





07/09/2017

Chronology of Employment

OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
1981-2010	General Surgery	Douglas D Lorimer MDPA Fort Worth Tx
2010-2012 2012-present	General Surgery General Surgery	Medical Clininc North Texas Fort Worth Tx USMD Holdings Inc/Optum Care

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country	
1981-1995	Director Peripheral Vascular Lab	St Joseph Hopsital Fort Worth, Texas USA	
1987-1988	Vice Chief of Surgery	St Joseph Hospital Fort Worth, Texas USA	
1989-1990	Chief of Surgery	St Joseph Hospital Fort Worth, Texas USA	
1992-1993	Vice Chief of Surgery	Baylor S&W Fort Worth, Texas USA	
1994-1995	Chief of Surgery	Baylor S&W Fort Worth, Texas USA	
2003-2004	Vice Chief of Surgery	THR Harris Fort Worth, Texas USA	
2004-2005	Chief of Surgery	THR Harris Fort Worth, Texas USA	
2005=2010	Medical Director Bariatric Services	THR Harris Fort Worth, Texas USA	
2006-present	Member at large Credentials Committee	THR Harris Fort Worth, Texas USA	
2014-2015	Secretary Medical Staff	THR Harris Fort Worth, Texas USA	
2016-present	Chairman, Credentials Committee	THR-Harris Fort Worth, Texas USA	
2016-preent	Vice Chief Medical Staff	THR-Harris Fort Worth, Texas USA	

PROFESSIONAL COMMUNITY ACTIVITIES

Years	Title/Role,	Institution/Organization, City, State,
2005-2009	Secretary	Southern Society of Clinical Surgeons
2010	President	Southern Society of Clinical Surgeons
2010-2016	Candidate Review Committee	Am. College of Surgeons Chicago, Illinois

ORAL PRESENTATIONS

Meeting Presentations

<u>National</u>

Douglas D. Lorimer MD, Stephen Settle MD, Ernest Poulus. Surgical Complications of Year 1989

Clostridium Difficile Colitis. Southwestern Surgical Congress Palm Springs, California





07/09/2017 USA

Regional/Local

Year 1985	Robert J. Turner MD, Douglas D. Lorimer MD. Entappan Lavage for Peritonitis. Texas Surgical Society, Dallas, Texas USA.
Year 1990	Douglas D. Lorimer MD. Community Experience with Greenfield Vena Cava Filters.
Year 1990	Houston, Texas USA Douglas D. Lorimer MD. Surgical Complications in Patients With Amyloidosis. North
	Texas Chaprer, American College of Surgeons. Dalls, Texas

10/12/2017

CURRICULUM VITAE Machaiah Madhrira, MD, MPH, FASN

404 Wickham Lane, Southlake, TX-76092 Tel: (520) 345-7595

mmadhrira@tarrantnephrology.com

Current Positions

Program Director, Internal Medicine Residency – Plaza Medical Center, Fort Worth Adjunct Clinical Assistant Professor of Medicine, UNTHSC	11/2015- present
Nephrologist-Tarrant Nephrology Associates	09/2015-present
Previous Positions	
Assistant Professor of Medicine-Core faculty Division of Nephrology, University of Arizona Medical Center, Tucson	07/2009-07/2015
Nephrologist-Southwest Kidney Institute, Tucson	10/2013-08/2015
Interim- Chief of Nephrology, University of Arizona	01/2011-03/2011
Nephrology Director of Medical Students Education	08/2010-09/2013
Medical Director of Dialysis Unit (DCI-North)	08/2009-12/2014
Chronology of Education	
Bachelor of Medicine, Bachelor of Surgery (MBBS) Mysore Medical College, University of Mysore, Karnataka, India	10/1995-12/2001
Master of Public Health (MPH) Arnold School of Public Health, University of South Carolina, Columbia, South Carolina	01/2002-06/2004
Internship/Residency: Internal Medicine Harlem Hospital Center, Columbia University College of Physicians and Surgeons	07/2004-06/2007
Clinical Fellowship: Nephrology and Hypertension Harlem Hospital Center, Columbia University College of Physicians and Surgeons	07/2007-06/2009
Board Certifications	
American Board of Internal Medicine (Nephrology)	01/2010-12/2019
American Board of Internal Medicine	08/2007-12/2017

Licenses

 Texas Medical Board
 07/2015-07/2017

 Arizona Medical Board
 04/2009-04/2017

Honors

Fellow of the American Society of Nephrology 04/2010

Service/Outreach

American Society of Nephrology	07/2007-present
American College of Physicians	11/2015-present
National Kidney Foundation	07/2007-12/2011
New York Society of Nephrology	07/2007-06/2009

Creative Activity

Champion from Department of Medicine	
Committee: Physician Lead from Division of Nephrology for Department of Medicine Oversight Clinical Committee	01/2013-09/2013

Committee: Medical Information Technology at University of Arizona- Physician

Principal Investigator-Clinical outcome of patients on combined ECMO and

Clinical Trials

CRRT	
Co-investigator -SCD-003 A multi-center, randomized, controlled, pivotal study to assess the safety and efficacy of a selective Cytopheretic Device(SCD) in patients with acute kidney injury(AKI)	12/2011-12/2012
C. L. A. H. 4001 HDG 201 A. H. A. L.	

Co-investigator-IK-4001-HRS-301 A multi-center, randomized, placebo-controlled, Double-blind study to confirm the reversal of Hepatorenal syndrome type1 with Lucassin(Terlipressin)

10/2011-02/2013

Co-investigator-SDI-PMX-NA001 Evaluating the use of Polymyxin B
Hemoperfusion in a randomized controlled trial of adults for endotoxemia and septic shock

10/2010-09/2013

04/2013-09/2013

Publications

Peer-Reviewed Journal Articles

- 1. Moinuddin I, Bracamonte E, Thajudeen B, Sussman A, **Madhrira M**, Popovtzer, Kadambi V. *Early Posttransplant Isolated v1 Lesion Does Not Need to Be Treated and Does Not Lead to Increased Fibrosis*. Case Rep Transplant. 2016; Epub 2016 May 17.
- 2. Moinuddin I, **Madhrira M**, Bracamonte E, Thajudeen B, Sussman A. *Membranous nephropathy with crescents associated with levamisole-induced MPO-ANCA vasculitis;* Pathol Res Pract. 2016 Jul;212(7):650-3; Epub 2016 Mar 19.
- 3. Moinuddin I, Bracamonte E, Thajudeen B, Sussman A, **Madhrira M**, Costello J. *Allergic Interstitial Nephritis Manifesting as a Striated Nephrogram*. Case Rep Med. 2015. Epub 2015 Nov 18.
- 4. Thajudeen B, Kamel M, Arumugam C, Ali SA, John SG, Meister EE, Mosier JM, Raz Y, **Madhrira M**, Thompson J, Sussman AN. *Outcome of patients on combined extracorporeal membrane oxygenation and continuous renal replacement therapy: a retrospective study*. Int J Artif Organs. 2015 Mar; 38 (3):133-7 Epub 2015 Feb 3.
- 5. Kamel M, Thajudeen B, Bracamonte E, **Madhrira M**. *Idiopathic Nonviral Cryoglobulinemia Treated Successfully With Rituximab* Am J Ther. 2016 Mar-Apr;23(2):e617-e620
- 6. Thajudeen B, **Madhrira M**, Bracamonte E, Cranmer LD. *Ipilimumab Granulomatous Interstitial Nephritis*. Am J Ther. 2015 May-Jun; 22(3):e84-7
- 7. Matika RW, Nielsen VG, Steinbrenner EB, Sussman AN, **Madhrira M**. Hemodialysis Patients Have Plasmatic Hypercoagulability and Decreased Fibrinolytic Vulnerability: Role of Carbon Monoxide. ASAIO J 2014 Nov-Dec; 60(6):716-21.
- 8. Mujtaba M, Geara AS, **Madhrira M**, Agarwala R, Anderson H, Cheng JT, Mohan S-*Toxicokinetics of metformin-associated lactic acidosis with continuous renal replacement therapy*. Eur J Drug Metab Pharmacokinet. 2012 Dec; 37(4):249-53.
- 9. Sumit Mohan, **Machaiah Madhrira**, Muhammad Mujtaba, Rajesh Agarwala, Velvie Pogue, Jen-Tse Cheng. *Effective Ionic Dialysance: Blood Flow Rate Ratio: An Indicator of Access Recirculation in Arteriovenous Fistula*. ASAIO J. 2010 Sep-Oct; 56(5):427-33.
- 10. **Madhrira M M**, MohanS, Markowitz G, Pogue VA, Cheng JT. *Acute bilateral renal infarction secondary to cocaine-induced vasospasm.* Kidney International (2009) 76, 576–580

Book Chapter

Machaiah M Madhrira, Karl Womer, Bruce Kaplan

Chapter- Graft and Patient Survival Pages 3-21

Kidney Transplantation: 2014- Practical Guide to Management-Springer Publications (Matthew R Weir, Edgar V.Lerma)

Abstracts (Peer-Reviewed)

- 1. Irfan Moinuddin, Erica Bracamonte, Amy Sussman, **Machaiah Madhrira**-Acute kidney injury due to Oxalosis in a patient with pancreatic cancer- J Am Soc Nephrol 25: 2014
- 2. Irfan Moinuddin , **Machaiah Madhrira**, Amy Sussman, Erica Bracamonte- *Isolated V Lesions: Uncertain Prognostic Significance* J Am Soc Nephrol 25: 2014
- 3. Saravanan Balamuthusamy, Omid Bhaktar , Nduka-Obi Ossai, **Machaiah Madhrira**, Joylon Schilling-Flow reduction in high-flow AV fistulas improve cardiovascular parameters and decreases need for hospitalization-Presented at 10th ASDIN 2014
- 4. Bijin Thajudeen, Mahmoud Kamel, **Machaiah M. Madhrira**, Amy Nicole Sussman- *Clinical Outcome of Patients on Combined ECMO and CRRT* J Am Soc Nephrol 24: 2013
- 5. Omid Bakhtar, Nduka-obi Ossai, **Machaiah M. Madhrira** *Tenofovir Induced Acute Kidney Injury in a Patient with Nephrotic-Range Proteinuria* J Am Soc Nephrol 24: 2013
- 6. Nima Rabbani, Omid Bakhtar, **Machaiah M. Madhrira** *Coexisitng Acute Interstitial Nephritis and Atheroembolic Renal Disease* J Am Soc Nephrol 24: 2013
- 7. Omid Bakhtar, Mahmoud Kamel, Shadi Nijim, **Machaiah Madhrira** *Quietapine associated SIADH:* What a misunderstanding! –Presented at NKF Apr 2013- American Journal of Kidney Disease Volume 61, Issue 4, Page B23, April 2013.
- 8. Thajudeen B, Koppula S, Bracamonte E, **Madhrira M** *Ipilimumab Induced Granulomatous Interstitial Nephritis*-Presented NKF Apr 2012 American Journal of Kidney Disease Volume 59, Issue 4, Page B85, April 2012
- 9. Ranga K, Desai C, Grussener AC, Jie T, Khan K, Sussman A, **Madhrira M**, Rilo H, Kaplan B, Grussener RWC. *Improved Long term survival in simultaneous pancreas kidney transplants (SPKT) following preemptive transplantation*. Presented IPITA Prague 2011
- 10. Rajesh Agarwala, Sumit Mohan, David Da-Rocha, **Machaiah Madhrira**, Aubrey Clarke, Icilma Fergus, Velvie Pogue, Jen-Tse Cheng. *Cardiac Function in patients with high AV Fistula Flow rates* Presented ASN 2009Journal of the American Society of Nephrology
- 11. Rajesh Agarwala, Sumit Mohan, **Machaiah Madhrira**, Jen-Tse Cheng, Velvie Pogue, John Salazar-Schicchi. *The Utility of the Interferon-? Assays for Detecting Latent Tuberculosis among Hemodialysis Patients* Presented ASN 2009 Journal of American Society of Nephrology

- 12. R. Agarwala, J. Nnadi, J. Tan, **M. Madhrira**, S. Mohan, V.A. Pogue, J.T. Cheng. *Hepatitis B Vaccination: Experience at One Inner City Hemodialysis Unit.* Presented11th International Conference on Dialysis, Advances in CKD 2009 Blood Purification 2009; 27:140
- 13. R Gosala, Madhrira M, R Agarwala, S Upadhyay, S Mohan, VA Pogue, JT Cheng, J. Salazar-Schicchi. Assessment of excessive day time somnolence (EDS) and its association with quality of life (QOL) among hemodialysis (HD) patients Presented NKF 2009 American Journal of Kidney Diseases 2009:53 4 B39
- 14. Mujtaba M, **Madhrira M**, Agarwala R, Mohan S, Pogue VA, Cheng JT. *Compensated blood flow / Effective ionic dialysance ratio (Qb/EID): A predictor of significant access recirculation in AV fistulae* Presented ASN 2008 Journal of the American Society of Nephrology, 2008:19 253A
- 15. Mujtaba M, **Madhrira M**, Agarwala R, Mohan S, Park C, Anderson H, Pogue V, Cheng JT. *Management and toxicokinetics of metformin associated lactic acidosis by continuous venovenous hemodiafiltration*. Presented NKF 2008 American Journal of Kidney Diseases 2008:51 B72
- Jaitly M, Mujtaba M, Madhrira M, Mohan S, Cheng JT, Pogue V. Influence of Cardiopulmonary Recirculation on Effective Ionic Dialysance during Hemodialysis. Presented ASN 2007 Journal of the American Society of Nephrology, 2007: 18 247A
- 17. **Madhrira M**, Dodoo G, Jaitly M, Mohan S, Cheng JT, Pogue VA. *Filter Survival in High Risk Patients on Continuous Renal Replacement Therapy*. Presented NKF 2006 American Journal of Kidney Disease. 2006: 47; 4 B41

Presentations

- Lecture Series on Nephrotic Syndrome and Glomerulonephritis at Plaza Medical Center and University of Arizona for medical students and residents.
- 2. Nephrology Core Curriculum Lectures and Grand Round presentations for Nephrology Fellows at University of Arizona.
- 3. Presentation at the Columbia University Renal Clinicopathologic Conference. March 2008 *Cocaine induced vasospasm with bilateral renal infarction and review of literature*
- 4. Presentation at the Columbia University Renal Clinicopathologic Conference. March 2009 *HIV associated Nephropathy*

Reviewer (Peer-Reviewed journals)

- 1. JASN
- 2. Kidney International

Andrey E. Manov, MD, FACP, MSHM, CPE

Professor, University of Texas Health Science Center
Fort Worth,TX
Chairman , Department of Internal Medicine
John Peter Smith Health Network
1500 S. Main Street
Fort Worth, TX 76104

Telephone: 817-676-7605/email: Amanov @ jpshealth.org

CLINICAL, TEACHING AND LEADERSHIP EXPERIENCE

2/1997-now Academic Teaching Hospitalist in JPS Health Network, Fort Worth, TX

Treating the sickest Internal Medicine patients in Tarrant County, Fort Worth, TX for 19 years now and teaching the Family Practice Residents John Peter Smith Hospital, Fort Worth, TX, the medical students from The University of North Texas Health Science Center and in the past Internal Medical residents from Plaza Medical Center and University of

Texas Health Science Center, Fort Worth, TX

7/1984- 12/1993 Assistant and Senior Assistant Professor, Department of

Endocrinology, Alexandrovska University Hospital, Sofia ,Bulgaria . Significant experience and treating the all endocrinology conditions And educating medical students and residents from Medical Academy,

Sofia, Bulgaria

Dec 2005 – Present Medical Director, Inpatient Services. Responsible for being

Lead Teaching hospitalist, arranging the Geographic Model of rotation of the hospitalists, Introducing first in State of Texas Medicine- Psychiatry Unit and Observation unit to the JPS Hospital

Fort Worth, TX

May 2008 – Sept 2009 Interim Chairman, Department of Internal Medicine

John Peter Smith Health Network, Fort Worth, TX

Sept 2009 – Present Chairman, Department of Internal Medicine, John Peter Smith

Health Network, Fort Worth, TX. Experience in managing

More then 100 physicians in UM, Improving patient's satisfaction etc.

for 8 years now.

EDUCATION AND

POST GRADUATE EDUCATION AND TRAINING

Oct 1978 – Oct 1984	Medical Academy, Sofia, Bulgaria M.D. Valedictorian class 1984 and awarded with Golden Hippocrates Statue Medal
Oct 1984 – Jan 1989	Alexandrovska University Hospital, Sofia, Bulgaria Internship and Residency, Internal Medicine
Oct 1984 – Jan 1991	Alexandrovska University Hospital, Sofia Bulgaria Fellowship, Endocrinology and Metabolism
Jan 1991 – April 1992	Royal London Hospital Medical College, London, England British Council Research Fellowship, Endocrinology
April 1992 – Dec 1993	Alexandrovska University Hospital, Sofia Bulgaria Senior Assistant Professor, Department of Endocrinology
Jan 1994 – Jan 1997	Lincoln Medical and Mental Health Center, Bronx, NY Internship and Residency, Internal Medicine
Jan 1997- now/2014/	Teaching ward Hospitalist attending physician, John Peter Smith Hospital, Fort Worth, TX
Dec 2005 – May 2007	University of Texas at Dallas, School of Management, Dallas, TX MS, Health Care Management

CERTIFICATIONS

1991 Board Certification, Bulgaria and European Union

Endocrinology and Metabolism

Nov 1997 - 2007 American Board of Internal Medicine
Recert. May 2003 - 2017 Internal Medicine (scored in top 10%)
Recertification April 2013 Internal Medicine/scored top 10%/

Feb 2010 – 2020 Certified Physician Executive Degree

Awarded by America College of Physician Executives

LICENSURES

Feb 1997 Texas License

Active

Jan 2009 Florida License

Active

ACADEMIC APPOINTMENTS

October 2016- now University of Texas Health Science Center, Fort Worth, Texas

Professor, Department of Medical Education

Oct 2010 - October 2016 University of North Texas Health Science Center, Fort Worth, TX

Adjunct Clinical Associate Professor, Internal Medicine Department

Dec 2010 - 2016 University of Texas Southwestern Medical Center, Dallas, TX

Voluntary Assistant Professor, Clinician Track, Department of Family and

Community Health

Feb 2016- now University of Texas Southwestern Medical Center, Dallas, Texas

Voluntary Associate Professor, Clinical Track, Department of Family

And Community Health

PROFESSIONAL APPOINTMENTS

Feb 1997 - Present John Peter Smith Health Network (FACULTY), Fort Worth, TX

Teaching Attending, Internal Medicine

OTHER PROFESSIONAL POSITIONS AND APPOINTMENTS

Jan 2004 – Dec 2008 Chairman, Pharmacy and Therapeutics Committee

John Peter Smith Health Network, Fort Worth, TX

Jan 2004 - Present John Peter Smith Health Network, Fort Worth, TX

Member, Medical Executive Committee

	John Peter Smith Health Network, Fort Worth, TX
Jan 2008 – Present	

Member, Chairman's Committee

Jan 2008 – Dec 2011 John Peter Smith Health Network, Fort Worth, TX

Member, Pharmacy and Therapeutics Committee

Sept 2009 – Apr 2013 John Peter Smith Health Network, Fort Worth, TX

Member, Board of Directors of JPS Physician Group

October 2013-2016 Vice Chairman of the Board of Directors of JPS Physician

Group, Fort Worht, Tx

Jan 2010 – Dec 2011 John Peter Smith Health Network, Fort Worth, TX

Member of Medical Records Committee

Jan 2012 – Jan. 2016 Chairman of Pharmaceutical and Therapeutics Committee John Peter

Smith Health Network , Fort Worth, TX

May 2008- 2016 Member of GMEC Committee ,JPS Health Network, Fort Worth, TX

January 2016- Present Member of the Bylaws Committee, Pharmacy and Therapeutics

Committee, Quality, Safety and Governance, and Capital Budget's Committees, Code Committee, Stroke Committee and the Utilization

Committee of JPS Health Network, Fort Worth, TX

MEDICAL, SCIENTIFIC AND PROFESSIONALSOCIETIES

1991 British Diabetic Association

2005 American Diabetes Association

2009 American College of Physician Executives

2009 Fellow of American College of Physicians

AWARDS/ HONORS

1984 Valedictorian of Medical Class, Sofia Bulgaria

Golden Hypocrates Statuette and Medal

1991 British Council Research Fellow in Middlesex Hospital, London,

England.

2004 & 2008 Awarded for dedicated service as the Chairman of Pharmacy and

Therapeutics Committee

2010 Appointed as Fellow of American College of Physicians

INTERNATIONAL PRESENTATIONS

9/15/1988 Bulgarian Endocrinology Congress

10/10/1990 Bulgarian Internal Medicine Association

4/1992 Adhesion Molecule CD44 on Thyroid Frozen Sections and Cells from

Patients with Different Autoimmune Disorders, London Hospital

College, London, England

10/12/1992 Bulgarian Internal Medicine Association

11/11/1992 Bulgarian Neurology Association

NATIONAL CONSULTING / PRESENTATIONS

9/5/2003 Treatment of DM, Type 2 – New Advances

Texas Medical Directors Association, Texas Geriatrics Society, Louisiana Medical Directors Association, and Oklahoma Medical

Directors National Annual Symposium

2006 CME Lecture, Prophylaxis of DVT in Medical Patients, Baylor

Medical Center, Houston, TX

12/2006, 10/2009 DVT Prophylaxis and Treatment, Dallas, TX

1/2009 San Francisco, CA

2006 Treatment of Lipid Abnormalities, Dallas, TX

5/27/2008 Pathogenesis of Metabolic Syndrome and How Race and Socio-

Economic Status Affect its Prevalence, National American Association of Physician Assistants 36th National Conference,

San Antonio, TX

12/2009 Pathogenesis of COPD, Miami, FL

11/2009 CME Lecture, Modern Approach to Treatment of HTN, Texas Society of

Family Practitioners

11/2009 Treatment of DM, Type 2, Chicago IL

10/2013 A case with West –Neil myocarditis presenting as non –ST elevation MI-

Texas chapter of ACP

REGIONAL PRESENTATIONS

5/21/ 2004 Treatment of DM, Type 2, Plaza Medical Center, Fort Worth, TX

6/2006 DVT Prophylaxis in Medical Patients, Baylor Medical Center providers,

Houston, TX

8/2008 Plaza Medical Center, Fort Worth, TX

11/2009 Treatment of Hypertension, Texas Society of Family Practitioners,

Fort Worth, TX

9/2010, 9/2012 Treatment of DM, Type 2, Texas Society of Physician Assistants,

Fort Worth, TX

3/2011 Research Appreciation day- UNTHSC, Fort Worth, TX

A 28 year old Hispanic male with a suprasellar Germ cell tumor-case

report.

3/2013 Research Appreciation day- UNTHSC, Fort Worth, TX- A case of West

Neil virus myocarditis presenting as non-ST elevation MI.

6/6/2014 JPS Research day 2014 Annual Conference, Fort Worth, TX-Poster

Presentation - FACTORS AFFECTING Decrease in B-type Natriuretic Peptide During Hospitalization and Correlation of Decrease with

Emergency Department Revisits.

REGIONAL LECTURES AS A VISITING PROFESSOR

1/2008 Treatment of Lipid Abnormalities, Midland-Odessa, TX

1/2009 Plaza Medical Center, Fort Worth, TX

LOCAL PRESENTATIONS (CME LECTURES AND GRAND ROUNDS)

Treatment of DM Type 2, Family Practice Residents, JPS Hospital, Fort Worth, TX, 1999, 2000,2001,2002,2003

Interpretations of Thyroid Function Tests, Family Practice Residents, JPS Hospital, Fort Worth, TX, 1997, 1998

Treating Lipid Disorders, Family Practice Residents, JPS Hospital, Fort Worth, TX, 2003

Metabolic Syndrome, Family Practice Residents, JPS Hospital, Fort Worth, TX, 2008, 2009

Treating Diabetic Emergencies, Family Practice Residents, JPS Hospital, Fort Worth, TX, 2003, 2006, 2007, 2009

Inhospital Treatment of Diabetes and Interpretation of Thyroid Function Tests, UNTHSC Medical Students rotating at JPS Hospital, Fort Worth, TX, each month for last two years.

DVT Prophylaxis and Treatment, Medical Staff, JPS Hospital, Fort Worth, TX, 2003 and Family Practice Residents, JPS Hospital, Fort Worth, TX, 2005, 2008, 2010

5/2014 Internal Medicine Ground Round- Pathogenesis and Treatment of Diabetes mellitus type 2-John Peter Smith Hospital, Fort Worth, TX

PUBLICATIONS IN PEER-REVIEWED JOURNALS in USA, France, Germany and Bulgaria

- 1 .A.Manov. Changes in some clinical and laboratory parameters in reactive hypercortisolism/Problems of Internal Medicine,vol. 2,1987-Bulgaria/.
- 2. V. Christov, A. Manov, A. Zanev. Treatment of DKA with intramuscular injections of small doses of Insulin/ Contemporary Medicine, Vol.1,1988-Bulgaria/.
- 3. D. Manolov, B. Zaharieva, G. Lazarov, A.Manov., V.Varbanov. TRH test application in the diagnosis of some thyroid disorders/Internal Medicine,vol.3,1989-Bulgaria/.
- 4. V. Christov, A.Manov, I.Nestorov. An assessment of the test-strips Visidex for blood sugar control of the patients suffering from Diabetes Mellitus /Internal Medicine, vol. 3,1989- Bulgaria/.
- 5. V. Christov, A.Manov, P.Apostolov et al. Continuous observation of the patient with Hand- Schuler-Christian disease/Langerhans cell Histiocytosis / Internal Medicine, vol.1,1989-Bulgaria/.
- 6. V. Christov, A.Manov. Application of Human Insulin in three patients suffering from Diabetes Mellitus type II and Insulin Resistance/ Internal Medicine, vol.1,1989-Bulgaria/.
- 7. A.Manov, I.Ivanov. Diagnosis of Primary Hyperparathyroidism and it's differentiation from other hypercalcemic and hypercalciuric conditions/Medical Review,vol.2,1989-Bulgaria/.
- 8. B. Popov, A.Manov. Immunological study of some inflammatory heart diseases/Internal Medicine, vol.3,1984-Bulgaria/.
- 9.L. Tzvetkova, A. Manov et al. Changes in allergic reactivity of white rats influenced by magnetic impulse field/Journal of Physical, Health and Rehabilitation Medicine, 1,1994-Bulgaria/.
- 10. L.Tzvetkova, Y. Dafinova, A.Manov et al. Changes in humoral and cellular immunity of allergized guinea- pigs by magnetic impulse field and laser therapy/Journal of Physical, Health and Rehabilitation Medicine,4,1993- Bulgaria/.
- 11. T. Angelova, L.Tzvetkova, A.Manov. Dynamic and humoral immunity in patients with post traumatic algoneurodystrophy/Journal of Physical, Health and Rehabilitation Medicine, 1, 1995-Bulgaria/.
- 12. L.Tzvetkova, N.Lishev, A.Manov .Magnification and significance of magnesium content in the serum after ultraviolet radiation/ Review Francaise d'allergologie et d'Immunologie Clinique, vol.4,1985- France/.
- 13.L. Tzvetkova, N. Lishev, A.Manov.et al. Changes in some characteristics of humoral reactivity after ultraviolet radiation of erythema doses in case of experimental allergy/Zeitchrift fur Physiotherappie, vol.4.1986-Germany/.
- 14. L. Tzvetkova, A. Manov. Magnesium significance for the body reactivity/ Physioterapy, vol. 2, 1984-Bulgaria/.
- 15. L. Tzvetkova, N.Lishev, A.Manov . Changes in magnesium level in case radiation/Physiotherapy,vol. 3, 1984-Bulgaria/.
- 16. L.Tzvetkova, A.Manov. Immune changes after treatment of patients suffering from allergy with Pulse magnetic fiels/Physiotherapy,vol.5,1982-Bulgaria/.

- 17. A.Manov. Immunotherapy of Diabetes Mellitus type I- Experiments, Problems and Prospects./Internal Medicine,vol.2, 1990- Bulgaria/.
- 18.A.Manov. The role of inadequate expression of HLA-class-II- molecules in the pathogenesis of Diabetes Mellitus Type I/Internal Medicine, vol. 3,1990-Bulgaria/.
- 19. A.Manov. The role of Amyloid deposits in the Langerhans Islets of the Pancreas in the Pathogenesis of Type II Diabetes mellitus/Contemporary Medicine, vol. 2,1994/.
- 20. A.Manov. The Role of the Adhesion Molecules in the onset of the Autoimmune Process, the lymphocytic migration and the presentation of the autoantigens to the lymphocytes/Contemporary Medicine, vol. 5,1993-Bulgaria/.
- 21. A.Manov, M.Protich. Description of the patient with amyloidosis and Diabetes mellitus type II/Internal Medicine, vol. 4, 1990- Bulgaria/.
- 22.A. Manov, V. Christov et al. Free insulin levels in the serum as an indicator of efficacy of the treatment of Diabetes Mellitus with purified Insulin's/Internal Medicine, vol. 3, 1991- Bulgaria/.
- 23.M. Petkova, A. Manov, M.Baleva. A case of Cushing disease with cryoglobulinemia /Internal Medicine, vol. 5, 1991-Bulgaria/.
- 24. A. Manov, U. Petrova. Recent findings in the pathogenesis and treatment of diabetic polyneuropathy/Internal Medicine,vol.2,1992-Bulgaria/.
- 25. A.Manov. The expression of the adhesion molecule CD44 on thyroid epithelial cells in culture and on snap frozen sections from different thyroid autoimmune disorders/Contemporary Medicine, 3,1995-Bulgaria/. (This is the first description of this molecule on thyroid cells and discussions of its role).

Summary: The expression of the adhesion molecule CD44 on thyroid epithelial cells and snap frozen sections from the patients with different autoimmune diseases has been described for the first time. The role of the adhesion molecule CD44 has been discussed in those autoimmune thyroid disorders.

- 26. A. Manov. The role of the adhesion molecule CD44 in the autoimmunity, inflammation ,antigen recognition and tumor metastasis/.Contemporary Medicine 5/1995-Bulgaria/
- 27. P. Wimmer, A .Manov et al. Thyrotoxic periodic paralysis /Hospital physician,vol.37,number 7, July 2001-USA/.
- 28. S. Subramaniam, E. Choufani, A. Manov. Lack of energy, petechiae, elevated PSA level-DX? Journal of Family Practice, 2014 Oct;63/10/: 565-7.
- 29. A. Manov, S. Subramaniam, P. et al. West Neil Virus myocarditis presenting as non ST elevation Myaocardial infarction. Journal of Family Practice 5/15
- 30. Gopalakrishnan P, Subramaniam S, Thomas A, Manov A. Adult Onset Still's Disease Presenting as Recurrent Fever with ARDS: A Case Report. CRT-Online ISSN:2059-0377, volume 2, Issue 4, August, 2016.
- 31. A. Manov, S. Subramaniam et al. <u>Middle Aged Female with Shortness of Breath, Congestive Heart Failure and Left Pleural Effusion-What is the Diagnosis?</u> Epidemiology (Sunnyvale) 2016, 6: 254 doi: 10.4172/2161-1165.1000254

GRANTS

Phase III ,Multi- Center ,Randomized ,Double- Blind Clinical Trial to Study Safety and Efficacy of addition of Sitagliptin to patients with Type 2 Diabetes Mellitus who have Inadequate Glycemic Control- PI for the John Peter Smith Hospital, Fort Worth, TX 2008

PERSONAL DATA

Languages: English, German, Russian, Bulgarian

Interests and Hobbies: Hiking, swimming – was on the Bulgarian national team in 1974.

CURRICULUM VITAE

Name: Porunelloor A. Mathew, Ph.D.

Work: Institute for Molecular Medicine

UNT Health Science Center at Fort Worth

3500 Camp Bowie Blvd. Fort Worth, TX 76107

Phone: 817-735-2120 Fax: 817-735-2118

Email: Porunelloor.Mathew@unthsc.edu

A. Education:

1988-90: Postdoctoral fellow in the laboratory of Dr. MR Waterman, Department of

Biochemistry, UT Southwestern Medical Center, Dallas, Texas. Research project: Regulation of steroid hydroxylases gene expression.

1987-88: Postdoctoral fellow in the laboratory of Dr. GP Studzinski, Department of

Pathology, University of Medicine and Dentistry of New Jersey, New Jersey Medical School, Newark, New Jersey. Study focused on the role

of oncogenes in cell proliferation and differentiation.

1987 Ph.D., Biochemistry, University of Pune, India

Thesis: "Structural and evolutionary aspects of hemoglobins of mammals

with reference to primates and murine animals"

1979 M.S., Biochemistry, University of Pune, India

1974 B.S., Physics (major), Chemistry & Mathematics (minor), University of

Kerala, India

B. Professional Experience:

9/16 Present: Associate Professor, Institute for Molecular Medicine, University of North

Texas Health Science Center at Fort Worth, Fort Worth, TX

7/16 – Present: Associate Professor (Cross- appointment), Department of Medical

Education, Texas College of Osteopathic Medicine, UNTHSC, Fort Worth,

TX.

7/16 _ 9/2016: Associate Professor and Interim Chair, Department of Cell Biology and

Immunology, University of North Texas Health Science Center at Fort

Worth, Fort Worth, TX

5/14 - 6/2016: Associate Professor and Vice-Chair, Department of Cell Biology and

Immunology, University of North Texas Health Science Center at Fort

Worth, Fort Worth, TX

9/00 – present:	Associate	Professor	(with	tenure),	Department	t of Molecu	ılar Biology and	d

Immunology, University of North Texas Health Science Center at Fort

Worth, Fort Worth, TX

9/02 – 9/2016: Associate Director for Basic Research, Institute for Cancer Research,

UNTHSC at Fort Worth, Fort Worth, TX

9/02 – 9/2007: Graduate Advisor, Graduate Program in Microbiology and Immunology,

UNTHSC at Fort Worth, Fort Worth, TX

5/1996 – 8/2000: Assistant Professor, Department of Molecular Biology and Immunology,

University of North Texas Health Science Center at Fort Worth, Fort

Worth, Texas.

5/96-2001: Special Faculty in Immunology graduate program, UT Southwestern

Medical Center, Dallas, Texas.

1993-96: Assistant Professor (Research Track), Department of Pathology,

University of Texas Southwestern Medical Center, Dallas, Texas.

1991-93: Instructor, Department of Pathology, UT Southwestern Medical Center,

Dallas, Texas. Research project: Molecular basis of natural killer cell recognition and activation by target cells. Laboratory of Drs. Michael

Bennett and Vinay Kumar.

1990-91: Asst. Instructor, Department of Pathology, UT Southwestern Medical

Center, Dallas. Research project: Molecular basis of natural killer cell recognition and activation and their role in bone marrow stem cell (BMC)

rejection. Laboratory of Drs. Michael Bennett and Vinay Kumar.

1981-87: Lecturer, Department of Biochemistry, Postgraduate School of Biological

Studies, Ahmednagar College, Ahmednagar, India.

1979-81: Junior Research Fellow, Department of Biochemistry, Postgraduate

School of Biological Studies, Ahmednagar College, Ahmednagar, India.

C. Honors and Awards

"American Association of Immunologists Laboratory Travel Award" to attend Immunology 2017, 104th Annual meeting of the American Association of Immunologists, May 12-16, 2017, Washington, D.C., USA.

"American Association of Immunologists Laboratory Travel Award" to attend Immunology 2015, 102nd Annual meeting of the American Association of Immunologists, May 8-12, 2015, New Orleans, LA, USA.

Keynote Speaker/Chair and Member of Scientific Organizing Committee, "Global Cancer Conference and Medicare Submit-2014" September 15- 17, 2014, Hyderabad, India.

"American Association of Immunologists Laboratory Travel Award" to attend

Immunology 2014, 101st Annual meeting of the American Association of Immunologists, May 2-7, 2014, Pittsburg, PA, USA.

Session Chair and Main Speaker on "Tumor Science and Novel Approaches to Cancer Therapeutics", at the 3rd World Congress on Cancer Science and Therapy, October 21-23, 2013, San Francisco, CA, USA.

"American Association of Immunologists Laboratory Travel Award" to attend Immunology 2013, 100th Annual meeting of the American Association of Immunologists, May3-7, 2013, Honolulu, Hawaii.

"Outstanding Graduate Faculty Award" for 1999-2000, given by the Graduate School of Biomedical Sciences and the Graduate Student Association, UNT Health Science Center, Fort Worth, Texas.

Nomination for "Outstanding Graduate Faculty Award" for 2002, UNT Health Science Center, Fort Worth, Texas.

Nomination for "Outstanding Graduate Faculty Award" for 1998, UNT Health Science Center, Fort Worth, Texas.

Nomination for "Outstanding Graduate Faculty Award" for 2004, UNT Health Science Center, Fort Worth, Texas.

Nomination for "Outstanding Graduate Faculty Award" for 2006, UNT Health Science Center, Fort Worth, Texas.

Co-Scientific Director, XVIth Texas Immunology Conference, November 20-22, 1998 Fort Worth, Texas.

University Grants Commission (UGC) Fellowship, Government of India (1978-79)

Department of Sciences and Technology Fellowship, Government of India (1979-81)

Valedictorian – Sri Chitra Vilasam High School, Kottanadu, India, 1969.

Patents:

- 1. "Immuno activation of CS1 receptor in Natural Killer cells to inhibit tumor cell growth" US Patent 7041499 B2; date of issue –May 9, 2006. CS1 is a novel receptor expressed on NK cells and we have shown that activation of NK cells through CS1 using a monoclonal antibody increased killing of cancer cells. We have shown that anti-CS1 antibody activates NK cell cytotoxicity against various cancer cells. This lead to the development of humanized anti-CS1 mab (Elotuzumab or Empliciti) by BMS, which showed excellent results in clinical trials for multiple myeloma. FDA has approved Empliciti as a break through drug for MM treatment. Inventors: Porunelloor Mathew and Kent Boles.
- 2. "Methods for increasing IFN-gamma in Natural Killer cells expressing LLT1

receptor". Patent No.US 7524622B2 dated 4-28-2009. LLT1 is a receptor expressed on NK cells, certain cancer cells (glioblastoma and breast cancer) and osteoclasts and regulate immune function as well as bone resor7ption. LLT1 is a ligand for NK cell inhibitory receptor NKRP1A and tumor cells express LLT1 to inhibit NK –mediated immune surveillance. Inventors: Porunelloor Mathew and Kent Boles.

- 3. "Cell surface exosomal PCNA as a novel marker for cancer stem cells (CSC) and elimination of CSC by blocking inhibitory signal to NK cells". Disclosure submitted to UNTHSC IPAC Committee on June 19, 2013. Inventors: Porunelloor Mathew and Nathan Horton.
- 4. **"CS1:** a novel biomarker and immunotherapeutic target for childhood Acute Lymphoblastic Leukemia (ALL)". Disclosure submitted to UNTHSC Research Development and Commercialization, December 20, 2013. Disclosure No. 2014-07. Inventors: Porunelloor Mathew, Stephen Mathew and Paul Bowman.
- 5. "Use of anti-CS1 monoclonal antibody to eliminate autoantibody producing B cells in Systemic Lupus Erythematosus (Lupus)". Disclosure submitted to UNTHSC Research Development and Commercialization, May 10, 2016. Disclosure ID: 2016-007. Inventor: Porunelloor Mathew.
- 6. "Blocking inhibitory signal to activate NK cell killing of Prostate cancer and Breast cancer cells". Disclosure submitted to UNTHSC Research Development and Commercialization, September 26, 2016. Disclosure ID: 2017-001. Inventors: Porunelloor Mathew and Stephen Mathew.

D. Membership of Professional Societies

American Association of Immunologists

Society for Natural Immunity

American Association for Cancer Research

E. Teaching Experience

1. UNTHSC-FW

a. Lectures or courses – Medical

Teaches Immunology Course, Immunology System I (MEDE5712) also conducts the CIL (MLM) lab for Medical students. Actively participated in all Case studies (Lab Courses) for Medical Microbiology & Immunology course for Medical students during 1996-2000. I have been instrumental in rearranging and developing new immunology lectures and lab cases. These topics included cancer immunology, molecular aspects of HIV infections and principles of vaccination. As a member of the POMDIL committee, I actively participated in the development of the new curriculum (Immunology portion) for medical students.

Course Director for the Honors Course- Cancer Immunology (MEDE 7120-034) I developed the Course and teach the course by myself.

b. Lectures or courses - Graduate

I have made tremendous contribution to the graduate education. During my first year at UNTHSC, when there was no Integrated Biomedical Science course for graduate students, I developed and taught an 'Advanced Molecular Biology' course to the graduate students. I took an active part in the development of Integrated Biomedical Science course (MBSC 5600) and have been the Course Director for Module II (Micro/Molecular Biology) of BMSC 5600. In the revised Core Course, I have been the Course Director for BMSC 5710 (Now BMSC 6305) Immunology and Microbiology since 2002. Course Director for Summer Remediation Course remedBMSC 6305. I am also involved in the development and execution of Workshops for graduate students. I am also Course Director for Advanced Molecular Biology: Techniques and Principles (CBIM 6202). In fact, I have developed and teach most of the topics myself. In addition, I have been Course Director for two more graduate courses — (1) Seminar in Current Topics and (2) Seminar in Immunology from 1999- 2005. In addition I teach a major portion of the MOMG 6250- Molecular and Cell Biology of Cancer to Cancer Biology students (I cover the Cancer Immunology portion).

I also participate in teaching to Masters Medical students. I teach HIV/AIDS 'Molecular aspects of HIV infections" in "Introduction to Health Disparities" (BMSC 5231/HMAP5262) course. I served as the Graduate Advisor for the Microbiology and Immunology graduate program for five years, helping students in this program and also interviewing future prospective students. In addition, I make major contribution to the Cancer Biology program and have been a member of the Graduate Affairs Committee (GAC) since the inception of the Cancer Biology program. I served as an adjunct faculty member of the Biochemistry and Molecular Biology Graduate program and give my expertise in Molecular Biology in students Oral qualifying exams and other committees. Thus over the years I have made valuable contributions to three Graduate programs of the GSBS. I also developed and taught (as the course director) a summer course, BMSC 5500 Advanced Microbiology and Immunology to McNair students in 2002-03. I actively participate in all the minority programs of the School (McNair, Bridge, SMART) and every summer one student works in my lab.

c. Lectures or courses – Physician Assistant

I taught Immunology to PA students as part of their course PA Microbiology and Immunology (PA 3204) in 1999-00 and later on PA Mechanisms of Disease (PA 5300).

- d. Lectures or courses Public Health
- e. Grant round presentation
- f. Hospital staff presentations
- g. Supervision
 - i. Hospital
 - ii. Student rotations medical and or PA

Two medical students (DO (Angela Pirooz and Tuan Pham)) did summer rotations in my lab and this eventually lead them to join my lab for PhD. Angela Pirooz was awarded a summer research fellowship from AMA to work in my lab.

iii. Graduate students – major professor

Ten students have completed their **Ph.D.** degree and **Seven students** their **Masters degree** under my direct supervision. Their training information is given below:

Trainee/Degree / Training Period/ Title/ Current affiliation

Kelly Bowen/MS/20013-2015/ "Evaluation of NK cell – Astrocyte Interactions: Potential role in HIV-associated Neurocognitive Disorders and HIV- Associated Dementia". Research Assistant at UT MD Anderson Cancer Center, Houston, TX.

Nathan Horton/PhD/2008-2014/ "Extracellular proliferating cell nuclear antigen as a marker and therapeutic target for cancer stem cells". Supervisor, Molecular Diagnostics, Sonic Reference Laboratory (Clinical Pathology Laboratories), Austin, Texas.

Prachi Dongre/PhD/2007-2012/ "Transcriptional regulation of mouse CS1 (CD319, SLAMF7) gene". Postdoctoral Research Fellow at Baylor College of Medicine, Houston, TX.

Jongrok Kim/PhD/2005-2010/ "Expression of CS1 and 2B4 in human systemic lupus erythematosus and transcriptional regulation of CS1 gene"/Postdoctoral fellow at Baylor Institute of Immunology, Dallas, TX.

Kim Aldy/MS/2007-2009/ "Functional role of 2B4+CD8+T cells against HIV epitopes"/Research Assistant at UT Southwestern Medical Center, Dallas, TX (Co-mentor). Joined Medical School and now practicing Physician.

Nowland Bambard / PhD/ 2002-2008/ "Signaling in Natural killer cells: NK cell activation by LLT1 receptor"/ Scientist, Fisher Scientific Company, Oklahoma City, OK.

Krithi Rao/ MS/2005-2007/ "Functional role of human 2B4 (CD244) isoforms in natural killer cells". She joined the MD Anderson Cancer Center at Houston for PhD in Cancer Biology.

Vaidya, Swapnil / MD. Ph.D. /2001-2005/ GSBS/ Function and regulation of the natural killer cell receptor 2B4 (CD244). President and CEO, Advanced Allergy and Asthma Associates, Keller. TX.

Lee, Jaekyung / Ph.D./2001/2005/GSBS/ Signal transduction in human NK cells. **Assistant Professor** at Emory University, Atlanta, GA.

Angela Pirooz/DO/MS /2003-2005/ Identification of the Ligand for Natural Cytotoxicity Receptor NKp44 and Regulation of Natural Killer Cell Function with Aging. Research Scientist at Ambion, Austin, TX.

Pham, Hoang-Tuan /DO.Ph.D/ 1998-2003 "Functional role of lectin-like receptor (LLT1) in human NK cells"/ Residency in Internal Medicine, Oklahoma University Medical Center, Tulsa, Oklahoma.

Johnson, Lori / Ph. D./ 1998-2002/ "Molecular regulation of Interferon gamma in 2B4 activated Natural Killer cells: Functional role in tumor rejection"/ Research Officer at Baylor Medical Center, Dallas, TX. Now **Senior Scientist** at Galderma Pharmaceuticals, Fort Worth.

Boles, Kent /Ph.D. / 1996-2001/ "Molecular basis of cancer cell recognition and killing by human Natural Killer cells"/ Postdoctoral fellow at The University of Oxford, Oxford, UK. Now, **Scientist** at Synthetic Genomics, Greater san Diego Area, CA.

Stepp, Susan /Ph.D. /1993-2000/ "Origins of hemophagocytic lymphohistiocytosis syndromes: Studies of 2B4 and perforin in the regulation of immune responses"/ Junior faculty at University of Massachussettes Medical Center, Worcester, MA.

Medina, Miguel/ M. S./ 1999-2001/ "Molecular cloning and regulation of expression of an NK cell receptor"/ Graduate student at Baylor University, Houston, TX.

Huynh, Van / M.S./ 1999-2001/ "Molecular basis of 2B4-CD48 interactions"/ Research assistant at UT Southwestern Medical Center, Dallas, TX.

Verret, Pamela/ M.S./ 1996-1998/ "Construction of inducible p53 expressing vector for functional studies in human cytomegalovirus transformed and infected cells"/ Research assistant at UT Southwestern Medical Center, Dallas, TX.

iii. Graduate students - committee member

I have served as a member (some cases as chair of the committee) of the following student committees:

Research Advisory Committee:

Gheath Al-Atrash, DO/PhD; Kent Boles, PhD; Woo-Jin Chang, PhD; Ginelle Courchaine. PhD: Pam Gill- MS; Lisa Hodge, PhD; Harlen Jones. PhD: Tuan Pham, DO/PhD; Pam Verrett- MS; Michelle Wright, PhD; Vinay Parameswara, PhD; Lori Johnson, PhD; Van Huyhnh- MS; Mike Medina-MS; Booma Srinivasan, PhD; Anguli Sinha-MS; Peter Gargalovic, PhD: Susan Stepp, PhD (2000) – UT Southwestern Medical Center, Dallas; Earl Stoneman, Ph.D. (1996) - UT Southwestern Medical Center, Dallas. Rusha Thomas-MS; Swapnil Vaidya, PhD; Jaekyung Lee, PhD;

Angela Pirooz-DO/MS;

Jwalitha Sankardas, PhD;

Nisa Limaye, PhD – (UT Southwestern -2005 – External University Member);

Gene Devora, MD/ PhD- (UT Southwestern -2003 - External University Member);

Don Roberts, PhD;

Kevin Condal, MS;

Krithi Rao, MS-2007.

Sheetal Bodhankar, 2010, PhD,

Gulab Zode, PhD;

Weiss Love, PhD;

Kathyrin Leake- PREP student

Myriam Iglewski, PhD;

Karen Meeks, PhD;

Shashak Bharill, PhD;

BJ Kim- PhD - 2010

Anupam Shule, PhD – 2010

Mayela Pedruesa MS - 2010

Lyndsey Harden, MS-2011

Soumya Krishnamoorthy, PhD; 2012

Archana Archana PhD- 2013

Courtney McKee MS – 2012

Prachi Dongre, PhD -2012

Charisse Tan, MS – 2013 (Co-mentor)

Alea Ausmer, MS, 2013

Wenjun Li, PhD -2013 (U. member)

Chandra Bathina, PhD – 2014 (U. Member)

Mukesh Sahu PhD- 2013

Neha Vartak, Ph.D. - 2013

Xiaoyu Luo, PhD – 2014

Marilyne Kpetemey, PhD – 2014

Rutika Kokate, PhD- 2014

Padmaja Paidipally, MS Biotech at UT Health Science Center Tyler; External Reviewer-2015.

Shelia Powers, MS - 2016

Mayuri Thete, MS- 2016.

Pejman Rahimian, PhD- 2016 (University member)

Michel Nolan, MS - 2016

Rebecca Johnson, PhD – 2016

Currently Serving as Member of Research Advisory Committee for following students:

Lee Gibbs, PhD – Cancer Biology

Sagar Shelake, PhD - Cell Biology & Immunology

Shruti Nooka, PhD - Cell Biology & Immunology

Kathleen Borgmann, Ph.D. - Cell Biology & Immunology

Rudy Castillo, PhD.- Cell Biology & Immunology

Joseph Malaer, PhD

Armando Marrufo, MS.

Myrna Hurtado, PhD - Cancer Biology

6310 Committees:

Gheath Al-Atrash; Woo-Jin Chang; Pam Gill; Lisa Hodge; Harlen Jones; Debra White; Michelle Wright; Bangdong Wei; Gulab Zode; Kissaou (Bertin) Tchedre; Sheetal Bodhankar; Dongdong Zhou; Beijim Kim, Anupum Shule, Adam Odeh, Shashank Bharill.Timothy; Mohana laxmi Indramohan, Chandra Bhathia, Marilyne Kpetemey, Wenjun Li., Kathleen Bogrmann, Rudy Castillo.

iv. Research laboratory - medical and/or graduate students

Summer Students training:

- 1. Natalie White, HBCU student, 2016
- **2.** Justin George, SMART student 2016
- 3. Joshua Roy, SMART student 2016
- 4. Roshni Mohan, SMART student, 2013
- 5. Jo Contreras, SMART student, 2012
- 6. Chris Evans, visiting scholar, 2010-2011
- 7. Ronald C. Martin, HBCU summer scholar, 2010
- 8. Camille McCallister, SMART student, 2009
- 9. Narges Kalantarian, SMART student, 2009
- 10. Nancy Aguwa, PREP student, 2008
- 11. Randall Walker, HBCU summer scholar, 2008
- 12. Dimple Tharian, MD, Visiting scholar, 2008
- 13. Dang Tran, MS student on lab rotation, 2008
- 14. Kathryn Leake, PREP student, 2007 2008
- 15. Issac Hernandez, SMART student, 2007
- 16. Joju Joy, MD, Visiting scholar, 2007
- 17. Shefali Gajjar, SMART student, 2006
- 18. Jetaime Ross, SMART student, 2005
- 19. Olaolu Davies-Balogun, McNair student, 2003

I had at least one Summer student in the lab every year before 2003 (list not provided), and also had Bridge student in collaboration with Southern University, Baton Rouge. I have gone to Baton Rouge (with Dr. Robert Kaman) to recruit minority students to UNT Health science Center. Thus I have played an active role in Minority Education.

v. Post-doctorate associates

The following individuals got post-doctoral training in my laboratory:

Kumaresan, Pappanaicken, Ph.D. / Postdoctoral 1996-2001; Research Assistant Professor 2001- 2003/ Research Scientist, Cancer Institute, UC Davis, Davis, CA.

Chuang, Samuel, Ph.D. /Postdoctoral fellow 1998-2002/ Senior Scientist/Manager at Cytochroma Inc., Kingston, Ontario, Canada.

Lee, Yekfung, M.D. /postdoctoral fellow 1996-1998/ Clinical practice.

Jabin, A, M.D. / 1993-96/postdoctoral fellow/ clinical practice

Stephen Mathew, Ph.D./ Postdoctoral fellow/2002- 2003; 2003-Research Assistant Professor/ Characterization of 2B4 knockout mice.

vi. Visiting Scientists

Dr. Marion Brown (1998), Oxford University, Oxford, UK, visited my laboratory in connection with our collaborative work on identifying the ligand for the 2B4 (CD244) receptor. In addition, Dr. Michael Bennett and Dr. Vinay Kumar, visited my laboratory in connection with our ongoing research collaboration. (They also gave departmental seminar during some of their visit).

Dr. JiHua Zhong, Professor, Department of Hematology Laboratory, RenJi Hospital Schoolof Medicine, ShanghaiJiaoTongUniversity, Shanghai, People's Republic China, visited my lab during December, 2009.

2. Other supporting materials (optional)

In addition to being elected as the Outstanding Graduate Faculty (1999-2000), my teaching excellence is evidenced by the success of my graduate students and summer students. The following students I mentored received the outstanding graduate of the Microbiology and Immunology program: Kent Boles, PhD (2000), Swapnil Vaidya, PhD (2005), Nowland Bambard (2006), Jae Lee, PhD (2005- Outstanding student in Biomedical Sciences program). Prachi Dongre (2010), Nathan Horton, PhD (2013). Two of my students were awarded Sigma Xi grant in Aid while working under my supervision. Swapnil Vaidya- "Identification of a novel tumor associated ligand for the natural killer cell receptor 2B4" -2002. Jae Lee – "Characterization of a novel CD2 receptor, CS1 on human natural killer cells" – 2002. Three summer students worked in my lab received the first prize in their summer research presentation. Drs. Pappanaicken Kumaresan, Sam Chuang, and Stephen Mathew, while working in my lab as junior faculty (Research assistant professor) received Junior Faculty Travel Award from the American Association of Immunologists.

F. Service

1. TCOM (UNTHSC) committee memberships

Member, University Promotion and Tenure Committee, 2009-2011

Member, Intellectual Property Advisory Committee (IPAC), UNTHSC, 9/2002- present.

Graduate Advisor, Program in Microbiology and Immunology, UNTHSC, 9/2002- 9/2007.

Member, Curriculum Committee, UNTHSC, 2001- present.

Member, Task Force Committee on Development of CORE Curriculum in Biomedical Sciences, UNTHSC, 2000-2001.

Member of the POMDIL committee for development of new curriculum at UNTHSC – 1996-97. I contributed to the development of Immunology portion of the new curriculum.

2. Patient care

3. Professional service – local, state, national, international

Seminar Coordinator for Department of Microbiology and Immunology –1996-97

Seminar Coordinator for Department of Molecular Biology and Immunology – 1998-99.

Member of Departmental Space Committee, 2001-2002.

Member – Focus group on Microbiology and Immunology Program- 2005.

Member – Executive Committee for Department of Molecular Biology and Immunology - 2005 – 2013.

Member, Cancer Biology Focus program - 2006

Faculty Search Committee member, MBI, - 2003 – 2005

Chair, Faculty Search committee, MBI- 2006 – 2009

Chair, Promotion and Tenure Committee, MBI, 2009-2011

Chair, Promotion and Tenure Committee, Cell Biology & Immunology, 2014-2016

Member, Chair Search Committee for MBI – 2012- 2013.

Associate Director for Basic Research, Institute for Cancer Research - 2002- 2016

Organized the XVIth Texas immunology conference at UNT Health Science Center at Fort Worth, along with Drs. Goldfarb, Bennett and Yuan.1998.

Member of External Evaluation committee for Graduate program in Biomedical Sciences - 2013.

Member, Faculty Search Committee, Cell Biology and Immunology – 2013-14.

Member, Faculty Search Committee, Department of Forensic and Molecular Genetics-2013-14.

Member, Core Course Integration Committee- 2016 – Present

4. Community service -

Worked for 'Habitat for Humanity'. I spend a major time during weekends to help and guide young people belonging to IPA church, Irving, TX.

G. Professional activities

1. Journal Reviewer for:

The Journal of Immunology
Blood
Journal of Leukocytes Biology
Cellular Immunology,
Cancer Microenvironment
Oncogene,
Indian Journal of Biochemistry and Biophysics
Trends in Immunology
Journal of Medical Genetics
Clinical and Experimental Immunology
Science Asia
Archivum Immunologiae et Therapiae Experimentalis (Polish Immunology Journal)
Scandinavian Journal of Rheumatology
ISRN Immunology (International Scholarly Research Network- Immunology)
Mediators of Inflammation

Editorial Board Member:

Cell Cycle

Journal of Cancer Science and Therapy- 2010 – present. Journal of Cell Science and Therapy – 2010 – present. Health and Science Magazine, 1999- 2004. International Journals of Cancer Studies & Research (IJCR)-2013 –present.

2. Grant reviewer

Member, **NIH Study Section**, Immunology IRG Special Emphasis Panel, ZRG1 F07-J (21), March, 2015.

Member, **NIH Study Section**, Immunology IRG Special Emphasis Panel, ZRG1 F07-K (20) & ZRG1 IMM-K (81), February, 2014.

Member, **NIH Study Section**, **NIAID**, Special Emphasis Panel "Immunobiology of Host Defense", ZAI1 QV-1 (M1), January 2013.

Member, **NIH Study Section, NIAID**, Special Emphasis Panel "Genetics of Lupus", ZAI1 WFD-I (M1), March 2011.

Member, NIH Study Section, IAM, ZGM1 MBRS-7 (CG) – December, 2010.

Member, NIH Study Section, Innate Immunity and Inflammation (III) – June, 2010.

Member, **Cancer Biology Study Section**, TRDRP (Tobacco-Related Disease Research Program), University of California, CA –April, 2010.

Member, **NIH Study Section**, Innate Immunity and Inflammation (III) – October, 2009.

Member, NIH Study Section, Innate Immunity and Inflammation (III) - February, 2009.

Member, **Cancer Biology Study Section**, TRDRP (Tobacco-Related Disease Research Program), University of California, CA – March, 2009.

Member, **NIH Study Section** on Experimental Immunology – 2003

Ad hoc Grant reviewer for: The Wellcome Trust, London, UK -2003

Ad hoc Grant reviewer for The Israel Science Foundation, April 2005

Ad hoc Grant reviewer for **The Volkswagen Foundation** -2005.

Grant Reviewer for **Tennessee State University** – 2006

Reviews grants for Institute for Cancer Research 2002- present

Grant Reviewer for Rosetrees Trust, UK; Jan 2016.

Invited to be a member of the NIH Immunology (IMM) study section to review grant applications focused on immunological development, cellular immunology, and signal transduction for the Members Conflict Immune Mechanism Special Emphasis Panel, ZRG1 IMM-N (02)M. July 27, 2011 (could not accept due to surgery).

3. Consultant for --- "The Science Advisory Board" 2015 – Present.

H. Scholarly activity

1. Grants and contracts – funded

- 1. Molecular characterization of NKp44 Ligand on Astrocytes", RO3, NIH, Role: PI; \$ 146000.00 (02-01-2017 to 01-31-2019).
- 2. "CS1-targeted immunotherapy for Acute Lymphoblastic Leukemia (ALL) in children", Co-PI, (PI- Stephen Mathew), ICR grant, UNT Health Science Center, \$ 20,000.00 (09-01-2013 to 08-31-2014).
- 3. "NKp44 Regulates Natural Killer cell effector function through recognition of cell surface PCNA", PI (Bridge grant for Nathan Horton), UNT Health Science Center, \$5000.00 (12-3-2012 to 12-3-2013).

- 4. "Cell Surface Exosomal PCNA is a Novel Marker for Cancer Stem Cells and Enables Escape from Natural Killer Cell Effector Function (For: Nathan Horton)" PI (Bridge grant for Nathan Horton), UNT Health Science Center, \$5000.00 (12-3-2013 to 8-31-2014).
- 5. "Blocking inhibitory signal to Natural Killer cells to eliminate breast cancer", Principal Investigator, UNT Health Science Center, Seed grant, \$25,000.00 (01-01-2012 to 12-31-2012).
- 5. "Natural killer cell mediated CS1-targeted therapy for Acute Lymphoblastic Leukemia (ALL) in children", Co-Investigator (PI- Stephen Mathew), Cancer Research Foundation of North Texas, \$25,000. 00 (08-01-2011 to 07-31-2012).
- 6. "Molecular characterization of a melanoma specific ligand for natural killer cell receptor 2B4 (CD244)", PI, Texas ARP (1-4-08 to 3-31-2011). \$150,000.
- 7. "Ligand for the Natural Cytotoxicity Receptor NKp44", Principal Investigator, **NIH RO3** grant, \$ 142,000 (4-1-07 to 3-31-09).
- 8. "Molecular characterization of immune receptors and gene specific hypermethylation in Hispanic, Caucasian and African Amwerican children with acute lymphoblastic leukemia", Co-Investigator (PI- S. Mathew), Cancer Research Foundation of North Texas, \$ 10,000 (2008).
- 9. "Characterization of human 2B4 and 2B4 gene knockout mice", Principal Investigator, **RO1. CA85753, NIH** \$565,968 (1-1-01 to 12-31-06).
- 10. "Role of Natural Killer Cell Receptors in Lupus", Principal Investigator, UNTHSC Intramural seed grant, \$ 10,000 (2-9-06 to 12-31-06).
- 11. "Functional role of 2B4 (CD244) in HIV infection", Principal Investigator, Miller Brewing Co., Fort Worth, TX. \$ 5000 (1-1-06 to 12-31-08).
- 12. "Identification of HIV antigens for use in an HIV vaccine", Co-Investigator, (PI- S. Mathew), NCMHD EXPORT Center grant, \$46,000 (5-1-06 to 6-30-07).
- 13. "Molecular basis for positive and negative signaling by the natural killer cell receptor 2B4(CD244)"; Co- Investigator, (PI- S. Mathew), UNTHSC Intramural seed grant, \$ 10,000 (2-9-06 to 12-31-06).
- 14. "Immunotherapy of lung cancer using 2B4 activated NK cells" Principal Investigator, Tobacco Research Grant, UNTHSC at FW -\$30,000 (1-1-01 to 12-30-02).
- 15. "Molecular Basis of NK Cell Recognition and Activation". Principal Investigator **NIH** (**PO1**) \$440,000 (9-30-95 through 8-31-99). This grant was project.# 1 of a program Project entitled "NK Cells: Receptors, Repertoire and Function" for \$2.1 million. Program Director- Dr. Dorothy Yuan, UT Southwestern Medical Center at Dallas.
- 16. "Characterization of human 2B4 and 2B4 gene knockout mice", Role: Principal Investigator, **PO1. NIH** \$193,000 (9-1-99 to 8-31-01). This grant is the competitive renewal of the Program Project. "NK Cells: Receptors, Repertoire and Function".

- 17. "Molecular characterization of a novel human natural killer cell receptor homologous to mouse 2B4", 1998. Role; Principal Investigator, Faculty Advance Research Grant, UNTHSC, \$ 6000.
- 18. "Molecular regulation of 2B4 expression and effect of NK cells against tumor metastases"-1999. Principal Investigator, Institute for Cancer Research, UNTHSC, \$ 5000.
- 19. "Origin and Differentiation of NK Cells". Co-Investigator, (V. Kumar-PI) NIH, RO1 \$898,460 (7-1-93 to 6-30-98).
- 20. "Immunogenetics of Hybrid Resistance". Co-Investigator, (M. Bennett-PI) NIH, RO1 \$943,321 (4-1-90 to 3-31-95).

6. Grants and contracts - Pending

- 1. "Exosomal PCNA as a novel marker for Cancer Initiating Cells", R21 grant, NIH, Role: PI; \$ 401,500.00 (7-1-2015 to 6-30-2017).
- 2. "Molecular Basis of Age-related Thymic Involution and Rejuvenation, Co-Investigator (10% effort), PI: Dr. Su. NIH, RO1 grant AI 081995 Renewal.

7. Grants and contracts – not funded

- 1. "Mechanism of CD4 T cell depletion by NK cells during HIV infection", Campbell Foundation \$ 50,000.00 (9-1-2015 to 18-31-2016).
- 2. "Exosomal PCNA as a novel marker for Cancer Stem Cells (CSC) and elimination of CSC by NK cells", CPRIT, TX, \$ 200,000.00 (HighRisk/HighImpact grant), 4-1-2016 to 3-31-2018).
- 1. "Molecular characterization of HIV-induced ligand for NKp44", RO3 grant, NIH, Role: PI; \$142,000.00 (1-1-2014 to 12-31-2015).
- 2. Role of NK cell receptor 2B4 in aging and neurodegenerative disease" IAADR Pilot grant, \$ 20,000.00 Role: Co-I (PI- S. Mathew).
- 3. "Regulation of monocyte function by 2B4 (SLAMF4) and CS1 (SLAMF7)", R21 grant NIH, Role: PI; \$ 398,750.00 (07-01-2012 to 06-30-2014).
- 4. "CS1-mediated inhibition of autoantibody production in in Systemic Lupus Erythematosus", Lupus Research Institute Inc., New Research Grant, LRI, New York, Role PI; \$ 300,000 (12-01-2012 to 11-30-2015).
- 5. "Epithelial progenitor cell-based homeostasis in the thymus during aging", NIH, RO1, Role Co-Investigator, 5% effort; PI: Dong-Ming Su (01-04-2013 to 03-30-2018).
- 6. "Exosomal PCNA as a novel marker for Cancer Stem Cells (CSC) and elimination of

- CSC by NK cells", CPRIT, TX, \$ 663,795 (8-31-2014 to 8-30-2017).
- 7. "Evasion of NK cell-mediated killing by breast cancer and prostate cancer", CPRIT, TX, \$1,051,984.00. (01-01- 2012 12-31-2014).
- 8. "Role of NK receptors 2B4 and CS1 in systemic lupus erythematosus", RO1 grant, NIH, Role: PI; (04-01-2011 to 03-31-2015); Total amount: 1,450,000.00.
- 9. "Blocking inhibitory signal to eliminate breast cancer", Cancer Research Foundation of North Texas (CRFNT); \$50,000 (2011).
- 10. "Role of 2B4 (CD244) and CS1 (CD319, CRACC) in Systemic Lupus Erythematosus"; DOD, Congressionally directed medical research program (CDMRP); 2-1-2011 to 1-31-2014; Total amount: 1,051,250.00.
- 11. "Blocking inhibitory signal to Natural Killer cells to eliminate breast cancer". Role: PI Agency: DOD-CDMRP Breast cancer Idea grant; Period: 10-01-2010 to 09-30-2012 Direct Cost: \$543,750.00.
- 12. "NK Cell-mediated LLT1-targeted therapy for breast cancer", Mary Kay Foundation, Dallas, Tx, \$ 100,000.00 (2010).
- 13. LLT1 gene expression and immune escape by breast cancer cells, CPRIT, Tx grant, \$ 1,392,783, (02-01-2010 to 01-31-2014).
- 14. NIH-NCI R21 grant 1R21CA149863-01 "*d-* -Tocotrienol in 2B4 (CD244) mediated anti-tumor activity of NK cells". Role: Co-PI, PI: SO Mathew (04-01-10 to 03-31-12) Total Amount: \$405,349.00.
- 15. UNTHSC Intramural grant "Role of immune receptors and DNA methylation in acute lymphoblastic leukemia (ALL) disparities in children". Role: Co- Investigator; PI: SO Mathew (01-01-10 to 12-31-2010) Total amount: \$30,000.
- 16. CPRIT grant "Function and regulation of LLT1 in breast cancer". Role: Principal Investigator, (04-01-10 to 03-31-14) Total Amount: \$1,300,000.00.
- NHARP grant Prostate cancer cells evade Natural killer (NK) cell mediated immune attack by over-expressing LLT1.
 Role: Co-Investigator; PI: SO Mathew(04-01-10 to 03-31-12)
 Total Amount: \$200,000.00.
- 18. NIH R21 grant 1R21CA139295-01 "Immune receptors and gene-specific hypermethylation in childhood leukemia disparities".

 Role: Co-Investigator; PI: SO Mathew (04-01-09 to 03-31-11).

 Total amount: \$ 426,684.00.
- 19. Bill and Melinda Gates Foundation Grand Challenges Explorations grant "Identifying HIV antigens that induce an effective immune response for use in a HIV vaccine". Role: Co-Principal Investigator; PI: SO Mathew (04-01-09 to 03-31-10).

Total amount: \$100,000.00

- 20. Institute of Cancer Research, Fort Worth, TX "Molecular characterization of immune receptors in leukemic subjects"; Role: Co-Investigator; PI: SO Mathew (04-01-07 to 03-31-08), Total amount: \$30,000.
- 21. UNTHSC Interdisciplinary research grant "Molecular basis for immune regulation in Lupus", Role: Principal Investigator, (03-01-07 to 02-28-08), Total amount: \$50,000.
- 22. NHARP grant "Functional role of NK and CD8+T cell receptor 2B4 (CD244) in HIV infection", Role: Co-Investigator, PI: SO Mathew (04-01-08 to 03-31-10). Total amount: \$150,000.00.
- 23. Leukemia Research Foundation "Molecular characterization of immune receptors in leukemic subjects"; Role: Co-Investigator, PI: SO Mathew (07-01-07 to 6-30-08) Total amount: \$100,000.
- 24. Prostate cancer cells evade Natural killer (NK) cell mediated immune attack by over-expressing LLT1, Role; Principal Investigator,, Tx ARP, \$200,000. (2009).
- 25. "Role of SLAM family in systemic lupus erythromatosus", Role; Principal Investigator; NIH R21, \$275,000. (2009).
- 26. "Molecular Cloning of a Novel ligand for the 2B4 (CD244) receptor" Principal Investigator, NIH, RO3 grant, \$ 100,000 (direct cost).
- 27. "2B4 and CS1 in immune regulation", Principal Investigator, RO1 grant CA85753; submitted to NIH \$ 994,000.
- 28. "Function, Regulation, and Signaling of LLT1 in NK cells", Principal Investigator, RO1 grant; submitted to NIH \$ 1,000,000.
- "Molecular Regulation of NK cell receptor expression" Principal Investigator, NIH,RO1 \$643840.
- 30. "Novel lectin-like receptors expressed on human NK cells", Principal Investigator, NIH, RO1 \$ 643,840.
- 31. "Molecular basis of NK cell recognition and activation by target cells", Principal Investigator, American Cancer Society, \$ 300,000.
- 32. "Positive and Negative Signaling in Natural Killer Cells", Principal Investigator, ARP/ATP Program, State of Texas, \$ 76,600.

2. Invited Seminars

a. Local and State

- 1. "NK cell mediated targeted immunotherapy for Cancer" Institute for cancer Research Grand rounds. UNT Health Science Center. Fort Worth. Texas. March 2, 2016.
- 2. "Novel NK cell-mediated targeted immunotherapy for Cancer" ICR Symposium on Current Trends in Cancer Research for Improving Diagnosis and Treatment, held on December 11, 2015 at UNTHSC, Fort Worth, Texas.
- 3. "Novel NK cell-mediated immunotherapy for Cancer", Institute for cancer Research Grand rounds, UNT Health Science Center, Fort Worth, Texas, February 6, 2013.
- 4. "Cancer Immunology: Molecular basis of NK cell recognition and activation by cancer cells", Lake Texoma Retreat, Lake Texoma, Oklahoma, October 13, 2009.
- 5. "Regulation of NK cell function by surface receptors", Department of Molecular Biology and Immunology Seminar Series, UNT Health Science Center, Fort Worth, Texas, February 4, 2008.
- 6. "Molecular basis of NK cell activation by cancer cells" Institute for Cancer & Blood Disorders, Fort Worth, Texas, January 30, 2008.
- 7. "Molecular basis of NK cell activation by cancer cells", UNT Health Science Center, Cell Biology Seminar Series, October 11, 2007.
- 8. "Molecular basis of NK cell recognition and activation by cancer cells", Texas Tumor Registrar's Association, Hilton Fort Worth, Sept. 20, 2007.
- 9. "Molecular basis of NK cell activation" UT Health Center at Tyler, Tyler, Texas, July 13, 2007.
- 10. "Molecular basis of tumor cell destruction by natural killer cells" presented at UT Southwestern Medical center, Dallas, Radiology Seminar Series on October 18, 2000.
- 11. Presentation given to Mu Sigma Society of UTA at UTA on 11-17-04 about graduate program in Microbiology and Immunology.

b. National

- 1. Molecular basis of tumor cell destruction by natural killer cells: Role of 2B4(CD244) and CS1", Wayne State University Medical Center, Detroit, Michigan, June 13, 2007
- 2. "2B4 (CD244) signaling involves distinct pathways in regulating NK cell function", Nineteenth Annual Texas Regional Immunology Conference, Oklahoma City, Oklahoma, November 9-11, 2001.

c. International

- 1. "Novel NK cell mediated targeted therapy for cancer", "Global Cancer Conference and Medicare Submit-2014" September 15- 17, 2014, Hyderabad, India.
- 2. "Natural Killer cell mediated targeted therapy for cancer", The 3rd World Congress on Cancer Science and Therapy, October 21-23, 2013, San Francisco, CA, USA.
- 3. "Novel NK cell-mediated immunotherapy for Cancer", Regional Cancer Center, Trivandrum, India, July 17, 2012.
- 4. "Cancer: Basic Facts, Prevention and New Treatments", YMCA, Kuriannoor, Kerala, India, July 14, 2012.
- 5. "Inhibitory role of CS1 in proinflammatory cytokine production by LPS-activated monocytes" XXXIII World Congress of the International Society of Hematology, Jerusalem, Israel, October 10-13, 2010.
- 6. "Roel of 2B4 (CD244) and CS1 (CD319) in natural killer cell mediated killing of cancer cells", Invited guest speaker, Eighth international conference on anticancer research, Kos, Greece, October 17- 22, 2008.
- 7. "Human natural killer cell receptor 2B4 (CD244) down-regulates its own expression by opposing promoter activities at the AP-1 and Ets elements". 10th Meeting of the Society for Natural Immunity, Cambridge, UK, 11–14 April 2007.
- 8. "Molecular basis of cancer cell killing by natural killer cells" presented at the Regional Cancer Center, Trivandrum, India, June 7, 2004.
- 9. Invited to be a guest speaker at 7th International Conference on Anti-Cancer Research at Corfu, Greece, Oct 25-30, 2004. (I could not attend due to other commitments).
- 10. "2B4 stimulation of YT cells induces NK cell cytolytic function and invasiveness". The 18th International Natural Killer cell workshop, Marseille, France, May 5-9, 2000.

(Invited as Speaker or Chair a session but did not attend) -

BIT's 4th International Congress of Antibodies-2012, March 26-28; Beijing, China.(Invited as Speaker and Chair a Session)

1st Biotechnology World Congress February 14th - 15th, 2012, Dubai, UAE (Invited to preset).

EPS Anticancer Drugs-2011, October 26-27, 2011, Stockholm, Sweden (Invited as Speaker).

EPS Montreal International Gene Conference, Nov 3-4, 2011, Montreal, Quebec, Canada (Invited as Speaker).

BIT's 2nd World Congress of Immunodisease and Therapy (WCIT-2011), November 18-20, 2011, Guangzhou, China (Invited as Speaker).

5. Publications

a. Full-length papers --- published

- 1. Kim JR, Mathew SO, and **Mathew PA**. "Blimp-1/PRDM1 regulates the transcription of human CS1 (SLAMF7) gene in NK and B cells", *Immunobiology*, 2015. doi.org/10.1016/j.imbio.2015.08.005. PMID: 26310579
- 2. Horton NC, Mathew SO, and **Mathew PA**. "Novel Interaction between Proliferating Cell Nuclear Antigen and HLA I on the Surface of Tumor Cells Inhibits NK Cell Function through NKp44". *PlosOne*, 8(3): e59552, 2013. doi:101371/journal.pone.0059552. PMID: 23527218
- 3. Kim JR, Horton NC, Mathew SO and **Mathew PA**. "CS1 (SLAMF7) Inhibits Production of Proinflammatory Cytokines by Activated Monocytes". *Inflamm. Res.* 62: 765-772, 2013. PMID: 23695528
- 4. Dongre P, Mathew S, Akopova I, Gryczynski I and **Mathew PA**. "YY1 and a Unique DNA repeat element regulate the transcription of mouse CS1 (CD319, SLAMF7) gene", *Molecular Immunology*, 54: 254-263, 2013.
- 5. Kim NA, Horton NC, **Mathew PA** and Mathew SO. "2B4+CD8+ T cells play and inhibitory role against constrained HIV epitopes", *BBRC*, 405:503-507, 2011.
- 6. Kim JR, Mathew SO, Pertusi R, Patel RK and **Mathew PA**. "Altered expression of SLAM family receptors 2B4 (CD244) and CS1 (CD319) in patients with systemic lupus erythematosus (SLE)". *Clin. Exp.Immunol.* 160: 348-358, 2010.
- 7. Waggoner SN, Taniguchi RT, **Mathew PA**, Kumar V, Welsh RM. "Absence of mouse 2B4 promotes NK cell-mediated killing of activated CD8+ T cells, leading to prolonged viral persistence and altered pathogenesis", *J. Clin. Invest.* 120(6):1925-38, 2010.
- 8. Bambard ND, Mathew, SO and **Mathew PA.** "LLT1-mediated activation of IFN-g production in human natural killer cells involves ERK signaling pathway", *Sca. J. Immunol.*, 71:210-219, 2010.
- 9. Mathew SO, Rao KK, Kim JR, Bambard ND and **Mathew PA**. "Functional role of human NK cell receptor 2B4 (CD244) isoforms", *Eur.J. Immunol.*, 39: 1632-1641, 2009.
- 10. Lee JK, Mathew SO, Vaidya SV, Kumaresan PR, and **Mathew PA**. "CS1 (CRACC) induces Proliferation and Autocrine Cytokine expressions on Activated human B Lymphocytes", *J. Immunolgy*, 179: 4672- 4678, 2007.
- 11. Mathew SO, Vaidya SV, Kim JR and **Mathew PA**. "Human natural killer cell receptor 2B4 (CD244) down-regulates its own expression by reduced promoter activity at an Ets element". BBRC, 355:483-487, 2007.
- 12. Vaidaya SV and **Mathew PA**. "Of mice and men: Different functions of the murine and human 2B4 (CD244) receptor on NK cells" *Immunology Letters*, 105: 180-184, 2006.
- 12. Lee KM, Forman J, McNerney M, Stepp SE, Kuppireddi S, Guzior D, Wei H,

- LatchmanYE, Sayegh MH, Yagita H, Wulfing C, Schatzle J, **Mathew PA**, Sharpe A Kumar V. "Homotypic NK cell interaction through 2B4/CD48 pair regulates the development of NK effector functions" *Blood*, 107 (8): 3181-3188, 2006.
- 13. Rosen DB, Bettadapura J, Alsharifi M, **Mathew PA**, Warren HS and Lanier LL. "Cutting edge: Lectin-like transcript -1 (LLT1) is a ligand for the inhibitory human NKR-P1A receptor", *J. Immunolgy*, 175: 7796-7799, 2005.
- 14. Mathew SO, Kumaresan PR, Lee JK, Huynh V and **Mathew PA**. "Mutational analysis of the human 2B4 (CD244)/CD48 interaction: Lys68 and Glu70 in the V domain of 2B4 are critical for CD48 binding and functional activation of NK cells". *J. Immunology*, 175: 1005-1013, 2005.
- 15. Vaidya SV and **Mathew PA**. "An Ets element regulates the transcription of the human 2B4 gene in natural killer cells". *Biochimica et Biophysica Acta*. 1728: 181-185, 2005.
- 16. Vaidya SV, Stepp SE, McNerney M, Lee JK, Bennett M, Stewart CL, Kumar V and **Mathew PA**. "Targeted disruption of the *2B4* gene in mice reveals an *in vivo* role of 2B4 (CD244) in the rejection of melanoma cells". *J. Immunology*, 174: 800-807, 2005.
- 17. Jae-Kyung Lee, Boles KS and **Mathew PA**. "Molecular and functional characterization of a CS1 (CRACC) splice variant expressed in human NK cells that does not contain immunoreceptor tyrosine-based switch motifs", *Eur J Immunology*, 34: 2791-2799, 2004.
- 18. Lee KM, McNerney ME, Stepp SE, **Mathew PA**, Bennett M and Kumar V. "2B4 acts as a non-MHC binding inhibitory receptor in mouse NK cells" *J Exp Medicine*, 199: 1245-1254, 2004.
- 19. **Mathew PA**, Chuang SS, Vaidya SV, Kumaresan PR, Boles KS and Pham TH. The LLT1Receptor Induces IFN- Production but not Cytotoxicity by human Natural Killer Cells", *Molecular Immunology*, 40: 1157-1163, 2004.
- 20. Chuang SS, Lee J and **Mathew PA**. Protein kinase C is involved in 2B4 (CD244)-mediated cytotoxicity and AP-1 activation in natural killer cells, *Immunology*, 109: 432-439, 2003.
- 21. Johnson LA, Vaidya SV, Goldfarb RH and **Mathew PA**. 2B4(CD244)-mediated activation of NK cells reduces metastases of B16F10 melanoma in mice, *AntiCancer Research*, 23: 3651-3657, 2003.
- 22. Kumaresan PR, Lai WC, Chuang SS, Bennett M and **Mathew PA**. CS1, a novel member of the CD2 family, is homophilic and regulates NK cell function, *Molecular Immunology*, 39: 1-8, 2002.
- 23. Chuang SS, Kumaresan PR and **Mathew PA**. 2B4(CD244)-mediated activation of cytotoxicity and IFN- release in human NK cells involves distinct pathways, *J. Immunology*, 167: 6210-6216, 2001.
- 24. Chuang SS, Pham T, Kumaresan PR and **Mathew PA**. A prominent role for Activator Protein-1 in the transcription of the human 2B4 gene in Natural Killer cells, *J. Immunology*, 166: 6188-6195, 2001.

- 25. Kumaresan PR, Stepp SE, Verret PC, Chuang SS, Boles KS, Lai WC, Ryan JC, Bennett M, Kumar V and **Mathew PA**. Molecular characterization of the rat natural killer cell receptor 2B4, *Molecular Immunology*, 37: 735-744, 2001.
- 25. Boles, KS and **Mathew PA**. Molecular cloning of CS1, a novel human natural killer cell receptor belonging to the CD2 subset of the immunoglobulin superfamily, *Immunogenetics*, 52: 302-307, 2001.
- 26. Johnson, LA, Goldfarb, RH and **Mathew PA**. Regulation of IFN-γ production following 2B4 activation in human NK cells, *In Vivo*, 100: 378-383, 2000.
- 27. Kumaresan, PR and **Mathew, PA**. Gene structure of the human NK cell receptor 2B4 and identification of a novel alternative transcript, *Immunogenetics*, 51: 987-992, 2000.
- 28. Chuang, SS, Kim M, Johnson L, Kitson P, Ulf NannMark, Albertson P, Goldfarb RH and **Mathew PA**. "2B4 stimulation of YT cells induce NK cell cytolytic function and invasiveness". *Immunology*, 100: 378-383, 2000.
- 29. PR Kumaresan, SE Stepp, M Bennett, V Kumar and **PA Mathew**. Molecular cloning of transmembrane and soluble forms of a novel rat NK cell receptor related to 2B4. *Immunogenetics*, 51:306-313, 2000.
- 30. Kumaresan, PR, Huynh VT and **Mathew, PA**. Polymorphism in the 2B4 gene of inbred mouse strains. *Immunogenetics*, 51: 758-761, 2000.
- 31. Stepp SE, Lagelouse RD, Le Diest F, Bhawan S, Certain S, **Mathew PA**, Henter JI, Bennett M, Fisher A, Basile GS, and Kumar V. Perforin gene defects in Familial Hemoophagocytic Lymphohistiocytosis. *Science* 286: 1965-1968, 1999.
- 32. Chuang SS, Lee Y, Stepp SE, Kumaresan PR and **Mathew PA**. Molecular cloning and characterization of the mouse 2B4 gene promoter. *Biochimica et Biophysica Acta*. 1447: 244-250, 1999.
- 33. Boles KS, Barten R, Kumaresan PR, Trowsdale J and **Mathew PA**. Cloning of a novel lectin-like receptor expressed on human NK cells. *Immunogenetics*. 50: 1-7, 1999.
- 34. Stepp SE, Schatzle J, Bennett M, Kumar V and **Mathew PA**. Genomic structure of murine NK cell receptor 2B4: Presence of two alternatively spliced isoforms with distinct cytoplasmic domains. *Eur.J.Immunol*. 29: 2392-2399, 1999.
- 35. Boles KS, Nakajima H, Colonna M, Chaung SS, Stepp SE, Bennett M, Kumar V and **Mathew PA**. Molecular characterization of a novel human natural killer cell receptor homologus to mouse 2B4. *Tissue Antigens*. 54: 27-34, 1999.
- 36. Schatzle J, Sheu S, **Mathew PA**, Stepp SE, Bennett M and Kumar V. Characterization of Inhibitory and stimulatory forms of the murine NK cell receptor 2B4. *Proc. Natl. Acad. Sci. USA*. 96: 3870-3875, 1999.\
- 37. Brown MH, Boles KS, Merwe PA, Kumar V, **Mathew PA** and AN Barclay. "2B4, the Natural Killer and T cell Immunoglobulin superfamily surface protein, is a ligand for CD48". *J. Exp. Med.* 188:2083-2090, 1998.

- 38. **Mathew PA**, Kumar V, Bennett M and Flaherty L. "Identification of a recombinational breakpoint at the BAT-5 locus in three recombinant inbred mouse strains". *Exp. Clin. Immunogenetics* 12: 261-267, 1995.
- 39. Schumachers G, Ariizumi K, **Mathew PA**, Bennett M, Kumar V and Takashima A. "2B4, A new member of the Immunoglobulin gene superfamily, is expressed on murine dendritic epidermal T cells and plays a functional role in their killing of skin tumors". *J. Invest. Dermat.* 105: 592-596, 1995.
- Stoneman E, Bennett M, An J, Chestnut KA, Wakeland EK, Scheerer J, Siciliano MJ, Kumar V and Mathew PA. "Cloning and Characterization of 5E6 (Ly-49C), a receptor molecule expressed on a subset of murine natural killer cells." *J. Exp. Med.* 182: 305-313, 1995.
- 41. Bennett M, Yu YYL, Stoneman E, Rembecki RM, **Mathew PA**, Lindahl KF and Kumar V. "Hybrid resistance: Negative and positive signalling of murine natural killer cells. *Seminars in Immunol.* 7: 121-127, 1995.
- 42. Schumachers G, Ariizumi K, **Mathew PA**, Bennett M, Kumar V and Takashima A. "Activation of murine epidermal T cells through surface 2B4". *Eur J. Immunol*, 25: 117-1120, 1995.
- 43. **Mathew PA**, Garni-Wagner BA, Land K, Takashima A, Stoneman E, Bennett M, and Kumar V. "Cloning and characterization of the 2B4 gene encoding a molecule associated with non-MHC-restricted killing mediated by activated natural killer cells and T cells". *J. Immunol.* 151: 5328-5337, 1993.
- 44. Garni-Wagner BA, Purohit A, **Mathew PA**, Bennett M, and Kumar V. "A novel function-associated molecule related to non-MHC-restricted cytotoxicity mediated by activated NK cells and T cells. *J Immunol* 151: 60-70, 1993.
- 45. Wada A, **Mathew PA**, Barnes HJ, Sanders D, Estabrook RW, and Waterman MR. Expression of functional bovine cholesterol side chain cleavage cytochrome P450(P450scc) in Escherichia coli, *Arch Biochem Biophys* 290: 376-380, 1991.
- 46. **Mathew PA**, Mason JI, Trant JM, Sanders D and Waterman MR. Amino acid substitutions Phe66--Leu and Ser126--Pro abolish cortisol and aldosterone synthesis by bovine cytochrome P450₁₁, *J Biol Chem* 265:20228-20233, 1990.
- 47. **Mathew PA**, Mason JI, Trant JM and Waterman MR. Incorporation of steroidogenic pathways which produce cortisol and aldosterone from cholesterol into nonsteroidogenic cells. *Mol Cell Endocrinol* 73: 73-80, 1990.
- 48. **Mathew PA**, Kagawa N, Bhasker CR and Waterman MR. Deduced amino acid sequence of heme binding region of chicken cholesterol side chain cleavage cytochrome P450. *Protein Seg Data Anal* 3: 323-325, 1990.
- 49. **Mathew PA**, Ellis K and Studzinski GP. Enhanced messenger RNA stability and differentiation of HL 60 cells treated with 1,25-dihydroxyvitamin D3 and cordycepin. *J Cell Physiol* 140: 212-218, 1989.
- 50. Mathew PA, Yashonath S, Furtado M and Barnabas J. Analysis of functional domains of

- hemoglobins over evolutionary time. Current Trends in Life Sciences 12: 197-207, 1984.
- 51. Furtado M, **Mathew PA** and Barnabas J. Evolutionary analysis of functional properties in hemoglobins. *Proc Ind Natl Sci Acad* B47: 937-947, 1982.
- 52. Barnabas J, **Mathew PA**, Ratnaparkhi MV and Barnabas S. Evolutionary genetics of mammalian hemoglobins and myoglobins during Cenozoic history. *Ind J Biochem Biophys* 15: 388-400, 1978.
- b. Full-length papers—in press
- c. Full-length papers submitted/ (please provide a copy)
- d. Chapters, reviews, books
- 1. Horton NC and **Mathew PA**. "NKp44 and natural cytotoxicity receptors as damage-associated molecular pattern recognition receptors", *Frontiers in Immunology*, 6: 1-6, 2015.
- 2. **Mathew PA**. "Regulation of NK cell function by 2B4 (CD244) receptor", *Curr. Trends Immunol.*, 9:25-32, 2008.
- 3. Vaidaya SV and **Mathew PA**. "Of mice and men: Different functions of the murine and human 2B4 (CD244) receptor on NK cells" *Immunology Letters*, 105: 180-184, 2006.
- 4. Boles KS, Stepp SE, Bennett M, Kumar V and **Mathew PA**. 2B4(CD244) and CS1: Novel members of the CD2 subset of the immunoglobulin superfamily molecules expressed on natural killer cells and other leukocytes, *Immunological Reviews*, 181: 234-249, 2001.
- 5. Stepp, SE, **Mathew**, **PA**, Bennett, M, de Saint Basile, G and Kumar V. Perforin more than just an effector molecule. *Immunology Today*, 21(6): 254-256, 2000.
- Estabrook RW, Trant JM, Mathew PA, Mason JI and Waterman MR. "Designer Membranes: Construction of a cell containing multiple membrane-bound cytochrome P450s, in *Current topics in cellular regulation, "Organization of Cell Metabolism"* (GR Welch, Ed.), Academic Press, New York, Vol 33, Pgs. 419-431, 1992.
- 7. George T, Yu YYL, Liu J, Davenport C, Lemieux S, Stoneman E, **Mathew PA**, Kumar V, Bennett M. "Allorecognition by murine natural killer cells: Lysis of T lymphoblasts and rejection of bone marrow grafts". *Immu. Rev.* 155: 29-40, 1997.
- 8. **Mathew PA**, Furtado M, Ahaley SK and Barnabas J. Examination of evolutionary trends of hemoglobins of Old World monkeys. *Current Primate Researches* (ML Roonwal, SM Mohnot and NS Rathore, Eds.), Jodhpur University Press, Jodhpur, India. Pgs. 221-234, 1984.
- 9. Barnabas J, Ratnaparkhi MV and **Mathew PA**. Molecular phylogeny of mammalian globin chain sequences deduced by using a parsimony probe, in *Biomolecular structure*, conformation, function and evolution, (R Srinivasan and R Rein, Eds.). Pergamon Press,

- Oxford & New York, vol 2, pgs. 635-642, 1980.
- e. **Abstracts** (included in presentations at professional meetings).

8. Presentations at professional and/or scientific meetings (and Abstracts)

- 1. Mathew, S, Powers, S, Bowman, P and **Mathew, PA**. "Altered expression and function of NK receptors in pediatric Acute Lymphoblastic Leukemia (ALL)", International Congress of Immunology, August 21-26, 2016, Melbourne, Australia.
- 2. Bowen, K, Borgmann, K, Ghorpade, A, and **Mathew PA**. "Natural Cytotoxicity Receptor NKp44 and NK Astrocytes interactions in HIV-associated Neurocognitive Disorders", Immunology 2015, 102nd Annual meeting of the American Association of Immunologists, New Orleans, LA, USA. May 8-12, 2015.
- 3. Mathew, SO and **Mathew**, **PA**. "Overexpression of LLT1 on prostate cancer cells inhibits NK cell-mediated killing through LLT1-NKRP1A interaction", Immunology 2015, 102nd Annual meeting of the American Association of Immunologists, New Orleans, LA, USA. May 8-12, 2015.
- Horton NC, Bowen K, Mathew SO and Mathew PA. "Lectin-like transcript-1 (LLT1) and exosomal PCNA inhibit NK cell effector function against prostate cancer cells". Immunology 2014, 101st Annual meeting of the American Association of Immunologists; Pittsburgh, PA; May 3-7, 2014.
- 5. Mathew SO, Kim JR and **Mathew PA**. "Characterization of human CS1 gene promoter in NK and B cells". Immunology 2014, 101st Annual meeting of the American Association of Immunologists; Pittsburgh, PA; May 3-7, 2014.
- 6. Horton NC and **Mathew PA**. "Extracellular proliferating cell nuclear antigen is a novel marker for cancer stem cells and facilitates evasion of NK cell effector function", Immunology 2013, 100th Annual meeting of the American Association of Immunologists; Honolulu, Hawaii; May 3-7, 2013.
- 7. Mathew SO, Kim JR and **Mathew PA**. "CS1 (CRACC, CD319, SLAMF7) inhibits production of proinflammatory cytokines by activated monocytes", Immunology 2013, 100th Annual meeting of the American Association of Immunologists; Honolulu, Hawaii; May 3-7, 2013.
- 8. Dongre P and **Mathew PA**. "Blimp1 in association with TC/AG dinucleotide repeats regulates mouse CS1 (CD319) expression", Immunology 2011, 98th Annual meeting of the American Association of Immunologists; San Francisco, CA, May 13-17, 2011.
- 9. Kim JR, Mathew SO and **Mathew PA**. "Inhibitory role of CS1 in proinflammatory cytokine production by LPS-activated monocytes" XXXIII World Congress of the International Society of Hematology, Jerusalem, Israel, October 10-13, 2010.

- 10. Waggoner, SN, Taniguchi, RT, **Mathew, PA,** Selin LK, Kumar V and Welsh RM. "Role for 2B4 (CD244) in NK cell regulation of antiviral T cells resulting in altered viral clearance and immune pathology", Keystone Symposia on Molecular and Cellular Biology- Innate Immunity: Mechanisms linking with adaptive immunity, Dublin, Ireland, June 7-12, 2010.
- 11. Waggoner, SN, Taniguchi, RT, **Mathew, PA,** Selin LK, Kumar V and Welsh RM. "Role for 2B4 (CD244) in NK cell regulation of antiviral T cells resulting in altered viral clearance and immune pathology", NK2010 12th Meeting of the Society for Natural Immunity, Dubrovnik, Croatia, September 11-15, 2010.
- 12. Mathew, SO, Kim JR, Patel RK, Pertusi, RM and **Mathew PA**. "Altered expression of SLAM family receptor CS1 in African American patients with systemic lupus erythematosus (SLE)", 14th International Congress of Immunology, Kobe, Japan, August 22-27, 2010.
- 13. Waggoner SN, Taniguchi RT, **Mathew PA**, Kumar V, and Welsh RM. "NK cell regulation of antiviral T cells alters viral clearance and immune pathology", 3rd International Conference on Crossroads between Innate and Adaptive Immunity, Crete, Sept.27- Oct.2, Greece, 2009.
- 14. Kim JR, Patel RK, Mathew SO, Pertusi RM and **Mathew PA**. "Analysis of SLAM family receptors in SLE", ACR/ARHP Scientific meeting 2009, Philadelphia, October 16-21, 2009.
- 15. Mathew, SO, Kim, JR, Pertusi, RM, Patel, RK, and **Mathew, PA**. "Analysiz of SLAM family receptors 2B4, CS1 and NTB-A in patients with systemic lupus erythomatosus (SLE)", Third National meeting of ASIO, Denton, TX, January 17-19, 2009.
- 16. Prachi D and **Mathew PA**. "Molecular cloning and characterization of the promoter region of the natural killer cell receptor CS1", Third National meeting of ASIO, Denton, TX, January 17-19, 2009.
- 17. **Mathew, PA** and Mathew SO. "Role of 2B4 (CD244) and CS1 (CD319) in natural killer cell mediated killing of cancer cells", Eighth international conference on anticancer research, Kos, Greece, October 17- 22, 2008.
- 18. Waggoner SN, **Mathew PA**, Kumar V and Welsh RM⁻ "Altered Immune Response in 2B4 Knock-Out Mice Persistently Infected with LCMV", Experimental Biology 2008, San Diego, CA, April 5-9, 2008.
- 19. Lee JK, Vaidya SV, Kumaresan PR and **Mathew PA**. "CS1 (CRACC) induces proliferation and autocrine cytokine expression on activated human B lymphocytes", Immunology 2007, 94th AAI Annual Meeting, Miami, Florida, May 18-22,, 2007.
- 20. Rao K, Bambard ND, Mathew SO, and **Mathew PA**. "Functional role of human 2B4 (CD244) isoforms in natural killer cells". 10th Meeting of the Society for Natural Immunity, Cambridge, UK, 11–14 April 2007.
- 21. **Mathew PA**, Kim JR, Vaisdya SV and Mathew SO. "Human natural killer cell receptor 2B4 (CD244) down-regulates its own expression by opposing promoter activities at the AP-1 and Ets elements". 10th Meeting of the Society for Natural Immunity, Cambridge, UK, 11–14 April 2007.

- 22. Ross JC, **Mathew PA**, Mathew SO, Bambard ND. "Isolation and expression of recombinant fusion protein of Lectin Like Transcript-1 (LLT1). 70th Annual meeting of the Mississippi Academy of Sciences, Vicksburg, MS, February 22-24, 2006.
- 23. Stepp SE, Kumar V, Bennett M, **Mathew PA** and Welsh R. "Altered immune response and lymphocyte hyperplasia in 2B4 knockout mice persistently infected with LCMV", Twelfth International Congress of Immunology and 4th Annual Conference of FOCIS, Montreal Canada, July 18-23, 2004.
- 24. **Mathew PA**, Kumaresan PR and Mathew SO. "The amino acid residues Lys68 and Glu70 in the variable domain of human 2B4 (CD244) are critical for interaction with CD48", Eighth Annual meeting of the Society for Natural Immunity and 20th International Natural Killer Cell Workshop, Noordwijkerhout, The Netherlands, April 24-28, 2004.
- 25. Lee KM, McNerney MC, Stepp SE, **Mathew PA**, Bennett M and Kumar V. "2B4 acts as a non-MHC binding inhibitory receptor on mouse NK cells", Eighth Annual meeting of the Society for Natural Immunity and 20th International Natural Killer Cell Workshop, Noordwijkerhout, The Netherlands, April 24-28, 2004.
- 26. Lee KM, Forman JP, McNerney ME, Stepp SE, Wulfing C, Schatzle JD, **Mathew PA**, Sharpe AH and Kumar V. "Homotypic NK cell interactions through 2B4 (CD244)/CD48 pair regulate the expansion and activation of NK cells", Eighth Annual meeting of the Society for Natural Immunity and 20th International Natural Killer Cell Workshop, Noordwijkerhout, The Netherlands, April 24-28, 2004.
- Vaiday SV, Stepp SE, McNerney ME, Lee JK, Bennett M, Kumar V and **Mathew PA**. "Gender specific in vivo role of 2B4 (CD244) in tumor rejection as revealed by differential metastasis of B16 melanoma cells in 2B4 -/- mice", Eighth Annual meeting of the Society for Natural Immunity and 20th International Natural Killer Cell Workshop, Noordwijkerhout, The Netherlands, April 24-28, 2004.
- 28. Lee JK, Boles KS and **Mathew PA**. "Characterization of CS1 (CRACC) splice variants in human NK cells", Experimental Biology 2004, April 17- 21, Washington, DC.
- 29. Kumaresan PR, Mathew SO and **Mathew PA**. "Identification of the ligand binding site for human 2B4 (CD244) by site-directed mutageneis" Experimental Biology 2004, April 17- 21, Washington, DC.
- 30. **Mathew PA**, Johnson LA, Vaidya SV and Goldfarb RH. "2B4 (CD244)-mediated activation of NK cells reduces metastases of B16F10 melanoma in mice", American Association for Cancer Research, 94th Annual meeting, Washington DC, July 11-14, 2003.
- 31. Lee JK, Kumaresan PR, Boles KS, and **Mathew PA.** "Molecular characterization of a novel CS1 splice variant in natural killer cells" 90th Annual Meeting of the American Association of Immunologists, Denver, Colorado, May 6-10, 2003.
- 32. Vaidya SV, Stepp SE, Lee JK, Stewart CL, Bennett M, Kumar V, and **Mathew PA**. "In vivo role of 2B4 in tumor rejection as revealed by differential metastases of B16 melanoma in 2B4 deficient male and female mice", 90th Annual Meeting of the American Association of Immunologists, Denver, Colorado, May 6-10, 2003.

- 33. McNerney ME, Lee KM, Stepp SE, **Mathew PA**, Bennett M, and Kumar V. "2B4 inhibits natural killer cell cytotoxicity as revealed by 2B4-deficient mice", 90th Annual Meeting of the American Association of Immunologists, Denver, Colorado, May 6-10, 2003.
- 34. Chuang SS, and **Mathew PA.** "2B4-mediated NK cell cytotoxicity is dependent on PKC", Experimental Biology 2002, New Orleans, LA. April 19-24, 2002.
- 35. Kumaresan PR, Lai WC, Boles KS, Huynh VT, Bennett M and **Mathew PA.** "Identification of the ligand for CS1, a novel member of the CD2 subset of immunoglobulin superfamily", Experimental Biology 2002, New Orleans, LA. April 19-24, 2002.
- 36. Chuang SS, Pham TK, Kumaresan PR, Boles KS and **Mathew PA**. "LLT1 Induces IFN-γ Production but not Cytotoxicity in NK Cells", Experimental Biology 2002, New Orleans, LA, April 19-24, 2002.
- 37. Chuang SS, Kumaresan PR and **Mathew PA**. "2B4 (CD244) signaling involves distinct pathways in regulating NK cell function", Nineteenth Annual Texas Regional Immunology Conference, Oklahoma City, Oklahoma, November 9-11, 2001.
- 38. Johnson LA, Goldfarb RH and **Mathew PA**. "Molecular regulation of interferon-gamma by 2B4 (CD244) activation in human NK cells", 92nd Annual meeting of the American Association of Cancer Research, New Orleans, LA, March 24-28, 2001.
- 39. Chuang SS and **Mathew PA**. "2B4 (CD244)-mediated activation of cytotoxicity and IFN-gamma release in human NK cells involves distinct pathways", Experimental Biology 2001, Orlando, Florida, March 31 April 4, 2001.
- 40. Chuang SS, Pham HK, Kumaresan PR and **Mathew PA**. "Transcriptional regulation of the human 2B4 gene in natural killer cells: a prominent role for Activator Protein –1", Experimental Biology 2001, Orlando, Florida, March 31 April 4, 2001.
- 41. Kumaresan PR, Chuang SS, Boles KS, Medina MA and **Mathew PA.** "Molecular cloning, expression and characterization of the rat NK cell receptor 2B4", Experimental Biology 2001, Orlando, Florida, March 31 April 4, 2001.
- 42. Boles KS and **Mathew PA**. "Molecular cloning of CS1, a novel human NK cell receptor belonging to the CD2 subset of the immunoglobulin superfamily", Experimental Biology 2001, Orlando, Florida, March 31 April 4, 2001.
- 43. Huynh VT, Kumaresan PR and **Mathew PA**. "2B4 (CD244), the NK and T cell surface molecule of Ig superfamily, displays polymorphism in the V-domain", Experimental Biology 2001, Orlando, Florida, March 31 April 4, 2001.
- 44. Chuang SS, Kim MH, Johnson LA, Albertsson P, Kitson RP, Nannmark U, Goldfarb RH and **Mathew PA.** "2B4 stimulation of YT cells induces NK cell cytolytic function and invasiveness". Immunology 2000, Seattle, Washington, May 12-16, 2000.
- 45. Kumaresan PR and **Mathew PA.** "Gene structure of the human NK cell receptor". Immunology 2000, Seattle, Washington, May 12-16, 2000.

- 46. Kumaresan PR and **Mathew PA**. "Gene structure of the human NK cell receptor and identification of a novel alternative transcript". The 18th International Natural Killer cell workshop, Marseille, France, May 5-9, 2000.
- 47. Chuang SS, Kim MH, Johnson LA, Albertsson P, Kitson RP, Nannmark U, Goldfarb RH and **Mathew PA**. "2B4 stimulation of YT cells induces NK cell cytolytic function and invasiveness". The 18th International Natural Killer cell workshop, Marseille, France, May 5-9, 2000.
- 48. Stepp SE, Dufourcq-Lagelouse R, Deist FL, Bhawan S, Certain S, **Mathew PA**, Henter JI, Bennett M, Fisher A, de Saint Basile G and Kumar V. "Perforin gene defects in familial hemophagocytic lymphohistocytosis". Sixteenth annual meeting of the Histocyte Society, Amsterdam, The Netherlands, September 29- October 2, 2000.
- 49. Kumaresan PR and **Mathew PA**. "Gene structure of the human NK cell receptor 2B4". XVIIth Texas Immunology Conference, Galveston, Texas, November 19-21, 1999.
- 50. Boles KS and **Mathew PA**. "Characterization of a novel lectin-like transcript (LLT2) expressed on human NK cells". XVIIth Texas Immunology Conference, Galveston, Texas, November 19-21, 1999.
- 51. Chuang SS, Johnson LA and **Mathew PA**. "Functional activation of human NK cells through surface 2B4. XVIIth Texas Immunology Conference, Galveston, Texas, November 19-21, 1999.
- 52. Kumaresan PR, Stepp SE, Chuang SS, Bennett M, Kumar V and **Mathew PA**. "Rat NK cells express soluble and membrane bound forms of 2B4". Experimental Biology'99, Washington, D.C., April 17-21, 1999.
- 53. Boles KS and **Mathew PA**. "Cloning of a novel lectin superfamily receptor expressed on human natural killer cells". Fifth annual meeting of the Society for Natural Immunity, Seventeenth international natural killer cell workshop, Warrenton, VA, Oct.17-21, 1998.
- 54. Boles KS, Stepp SE, Colonna M, Bennett M, Kumar V and **Mathew PA**. "Molecular characterization of a human natural killer cell receptor homologus to mouse 2B4". Fifth annual meeting of the Society for Natural Immunity, Seventeenth international natural killer cell workshop, Warrenton, VA, Oct.17-21, 1998.
- 55. Chuang SS, Lee Y, Stepp SS, Kumaresan PR and **Mathew PA**. "Analysis of the promoter region of mouse 2B4, a natural killer cell receptor". XVIth Texas Immunology Conference, Fort Worth, Texas, November 20-22, 1998.
- Lee Y, Stepp SE, Kumaresan PR and **Mathew PA**. "Cloning and analysis of the promoter region of 2B4, a murine NK cell receptor" Experimental Biology '98, San Francisco, April 18-22, 1998.
- 57. Stepp SE, Schatzle JD, Lai WC, Kumaresan PR, Bennett M, Kumar V and **Mathew PA**. "Cloning of rat homologues of the murine 2B4 NK cell receptor", Experimental Biology '98, San Francisco, April 18-22, 1998.

- 58. Schatzle JD, Sheu S, **Mathew PA**, Stepp SE, Bennett M and Kumar V. "Alternatively spliced forms of murine natural killer cell receptor, 2B4, have opposing functions", Experimental Biology '98, San Francisco, April 18-22, 1998.
- 59. Lee Y, Stepp SE, Kumaresan PR and **Mathew PA**. "Transcriptional regulation of expression of a murine natural killer cell receptor", XVth Texas Immunology Conference, Galveston, November 21-23, 1997.
- 60. Kumaresan PR, Stepp SE, Lee Y, Bennett M, Kumar V and **Mathew PA**. "Cloning and characterization of the rat 2B4 gene", XVth Texas Immunology Conference, Galveston, November 21-23, 1997.
- 61. An J, Stepp SE, Kumar V, Bennett M and **Mathew PA**. "Molecular Characterization of a novel gene related to murine 2B4", Joint meetings of the ASMB, ASIP and AAI, New Orleans, June 2-6, 1996.
- 62. Stepp SE, Bennett M, Kumar V and **Mathew PA**. "Genomic characterization of murine 2B4, a molecule associated with non-MHC restricted cytotoxicity", 9Th International Congress of Immunology, San Francisco, 23-29 July, 1995.
- 63. **Mathew PA**, Garni-Wagner BA, Purohit A, Land K, Bennett M and Kumar V. "Cloning and Characterization of a novel molecule associated with non-MHC restricted killing mediated by Natural Killer cells and T cells", Joint Meeting of the American Association of Immunologists and the Clinical Immunology Society, Denver, Colorado, 21-25, May, 1993.
- 64. Stoneman E, Kumar V, Bennett M and **Mathew PA**. "Molecular cloning of an NK cell surface molecule expressed on a subset of cells that mediate specific rejection of Hh-1^d positive marrow cells", Joint Meeting of the American Association of Immunologists and the Clinical Immunology Society, Denver, Colorado, 21-25, May, 1993.
- 65. **Mathew PA**, Yu YYL, Kumar V and Bennett M. "RFLP Analysis of H-2 S/D region identifies a recombination breakpoint at the BAT-5 Locus in two recombinant inbred mouse strains", Xth Texas Immunology Conference, Richardson, Texas, Nov. 13-15, 1992.
- 66. **Mathew PA**, Garni-Wagner BA, Bennett M and Kumar V. "Molecular cloning of a signal transducing molecule on natural killer cells by transient expression in COS cells", Xth Texas Immunology Conference, Richardson, Texas, Nov. 13-15, 1992.
- 67. **Mathew PA**, Ellis L, and Studzinski GP. "Expression of differentiation-related protooncogenes is spared during partial inhibition of RNA synthesis", 12th Annual meeting of Cell Kinetics Society, Omaha, Nebraska, March 23-26, 1988.
- 68. **Mathew PA** and Barnabas J. "Molecular genetics of murine hemoglobins", Mahabaleshwar Seminar on Modern Biology", Mahabaleshwar, India, January 5-9, 1985.
- 69. **Mathew PA** and Barnabas J. "Evolutionary analysis of functional properties in hemoglobins", "International symposium on cosmic evolution and origin of life: Chemistry of the evolution of life", Mahabaleshwar, India, January 3-7, 1983.

- 70. **Mathew PA** and Barnabas J. "Analysis of functional domains of hemoglobins over evolutionary time", "Indo-Soviet binational symposium on biological macromolecules: Structure and function", Madurai Kamaraj University, Madurai, India, February 14-17, 1983.
- 71. **Mathew PA**, Furtado M, Ahaley SK and Barnabas J. "Examination of evolutionary trends of hemoglobins of Old World monkeys", "International symposium on Primates", Jodhpur University, Jodhpur, India, February 17-20, 1982.

MONIKA MATHUR, M.D.

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WORK EXPERIENCE

⋆ Texas Health Resources, Fort Worth, TX Chief Medical Officer, Texas Health Harris Methodist Hospital Alliance Nov 2014 - Present

Provide strategic, long term direction for the Hospital's quality, patient safety, and risk management programs, and build support and involvement with the Medical Staff.

Lead Performance Improvement Initiatives locally as well as across organization

Establishment of Internal Quality Metrics for Southwestern Health Resources

Recipient of Truven Quality Award in June 2017

Develop education and lead hospital's journey towards becoming a Highly Reliable Organization Continuous improvement of quality of care provided to patients, thereby improving clinical outcomes and patient safety at the same time reducing medical legal liability exposure

Achievement of Serious Safety Event Rate of Zero

• USMD Inc, Fort Worth, TX

Dec 2013- Nov 2014

Medical Director of Performance Improvement

Improvement of Press Ganey scores to 90th percentile or better

Lead Performance Improvement Initiatives for Organization

Review, Improve and Report HEDIS Performance data and engage in Pay for Performance Incentives Assist with Medicare Advantage Program Implementation

Assist with Patient Safety Transformation & Best Practice Implementation cross all specialties

Baylor College of Medicine, Houston, TX
 Assistant Professor, Department of Family Medicine & Quality Chief Preceptor for Baylor Medical Students

Jul 2012 – Jun 2013

Establishing Pay for Performance Initiatives and implementing "Excellence in Standard Work" Establishing Analysis and Reporting of AQC HEDIS Metrics for external reporting Patient Centered Medical Home Implementation

Performance Improvement Initiatives include: Patient Wait Times, Team Huddles

Patient Safety; Establishing Patient centered Care model and patient safety Internal event reporting

Reliant Medical Group (formerly Fallon Clinic), Holden, MA
 Quality Chief, Department of Family Medicine

 Massachusetts Quality Health Partners Council (MQHP); establishing a collective set of clinical service quality improvement priorities state-wide.

Improvement of all AQC HEDIS scores to Gate 3 or better.

Improve patient satisfaction scores to 80%, Press Ganey.

Achievement of Level III NCQA recognition for all adult Primary care sites.

The review and reporting of HEDIS Performance data for Department of Family Medicine.

Facilitator for start-up, and maintenance of Shared Medical Appointments

Lead quality council meetings for Medical Site Chiefs for best practice sharing.

Plan and implement Performance Improvement Initiatives.

Development of preventive measures designed to minimize or eliminate substandard practice.

• Harrington Physician Services, Charlton, MA

Feb 2010 – Apr 2011

IT Physician Consultant & Family Medicine Physician

EPIC Governance

Collaborate with both IT staff & Medical staff as Consultant during transition from paper charting to Electronic Medical Record with advanced training for physician support.

Weekly meetings with IT to review use of EMR and aid with advanced programming to tailor EMR for varied practice subgroup users.

• Fallon Clinic, Charlton, MA

Nov 2007 – Jan 2010

Family Practice Physician, Department of Family Medicine

• Preceptor for Medical Students

Full-time primary care physician, Outpatient practice & Inpatient Hospitalist responsibilities

COMMUNITY SERVICE

- March of Dimes, Member of Board of Trustees Chair, Run for Babies November 2017
- Kupferle Health, Member of Board of Trustees
- Vision Fort Worth, Mentor
- Leadership Fort Worth

EDUCATION

Family Medicine Residency

• The Mayo Clinic, Rochester, Minnesota Oct 2004 - Oct 2007

Doctor of Medicine

• Ross University School of Medicine, Dominica, West Indes May 2000 - Mar 2004

Bachelor of Science, Honors

University of Toronto, Ontario, Canada Sep 1996 - Jun 1999

MEDICAL LICENSURE

• State of Texas Jul 2013

CERTIFICATIONS

American Board of Family Medicine
 Jun 2008

PERSONAL INTERESTS

Trained Classical Dancer – National Academy for Classical Dance

1986-1996

- o Toronto, Canada
- Photography, reading, foreign films

Terence J. McCarthy, MD 2836 River Brook Ct. Fort Worth, TX 76116

Work: 817-250-4874 / Cell: 817-228-3564 Email: terencemccarthy@texashealth.org

EDUCATION

1989 – 1993 Doctor of Medicine

University Texas Medical Branch, Galveston

Galveston, TX

1979 – 1983 Bachelors of Arts in Biology

Austin College Sherman, TX

INTERNSHIP AND RESIDENCY

07/1993 – 06/1994 Internship, Internal Medicine

Methodist Medical Center

Dallas, TX

07/1994 – 06/1996 Residency, Internal Medicine

University Texas Medical Branch, Galveston

Galveston, TX

PROFESSIONAL EXPERIENCE

1999 – Present Emergency Department Physician

Texas Health Harris Methodist Hospital Fort Worth

Fort Worth, TX

TEACHING APPOINTMENTS

1997 – 1999 Associate Professor of Surgery

Division of Emergency Medicine

University Texas Medical Branch, Galveston

Galveston, TX

2008 – Present Clinical Adjunct Professor

Physician Assistant Studies Department

University of North Texas Health Science Center

LICENSURE

11/1994 – Present Texas J67573

Expires: 08/31/2017

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LEADERSHIP POSITIONS

2016 – Present	Chief of Staff Texas Health Harris Methodist Hospital Fort Worth
2015	Co Chair Fort Worth Safe Communities Coalition
2014 – 2015	Vice Chief of Staff Texas Health Harris Methodist Hospital Fort Worth
2012 – 2013	Medical Staff Secretary Texas Health Harris Methodist Hospital Fort Worth
2011 – Present	Medical Director Fort Worth Emergency Services Collaborative
2010 - 2012	Emergency Department Vice Chief Texas Health Harris Methodist Hospital Fort Worth
2006 – 2010	Emergency Department Division Chief Texas Health Harris Methodist Hospital Fort Worth

BOARDS AND COMMITTEES

2016 – Present	Chairman Medical Board Texas Health Harris Methodist Hospital Fort Worth
2016 – Present	Member Texas Medical Association Insurance Trust Advisory Panel
2014 – Present	Member Board of Trustees Texas Health Harris Methodist Hospital Fort Worth
2016 – Present	Member Texas Health Resources Physician Leadership Policy Council Texas Health Harris Methodist Hospital Fort Worth
2012 – Present	Member Fort Worth Safe Communities Coalition

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BOARDS AND COMMITTEES (cont'd)

2010 – Present	Member Board of Directors Tarrant County Medical Society
2010 – Present	Member Texas Health Harris President's Advisory Cabinet Texas Health Harris Methodist Hospital Fort Worth
2014 – 2015	Chairman Credentials Committee Texas Health Harris Methodist Hospital Fort Worth
2012 – 2013	Member Credentials Committee Texas Health Harris Methodist Hospital Fort Worth
2012 – 2013	Chairman Quality Review Committee Texas Health Harris Methodist Hospital Fort Worth
2012 – 2013	Chairman Continuous Improvement Council Texas Health Harris Methodist Hospital Fort Worth
2010 – 2013	Member Texas Health Resources Physician Leadership Council Texas Health Harris Methodist Hospital Fort Worth
2008 – 2010	Member Electronic Medical Record Implementation Steering Committee Texas Health Harris Methodist Hospital Fort Worth
2007 – 2009	Member Nutrition Center Steering Committee Texas Health Harris Methodist Hospital Fort Worth
2003 – 2012	Cardiology Liaison Texas Health Harris Methodist Hospital Fort Worth
2003 – 2006	Member Ethics Committee Texas Health Harris Methodist Hospital Fort Worth

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HONORS

2009, 2011, 2012, Top Docs Emergency Medicine

2013, 2014, 2015, 2016 Fort Worth Magazine

2009 Physician of the Year

Texas Health Harris Methodist Hospital Fort Worth

2009 Outstanding Preceptor

University of North Texas Health Science Center

PROFESSIONAL MEMBERSHIPS

American College of Emergency Physicians

Texas Medical Society

Tarrant County Medical Society-Board of Directors

VOLUNTEER

2000 – Present Mission Fort Worth Medical Clinic for medically indigent patients

2012 – Present Mayfest Advisory Board

PERSONAL

Married 28 years, 4 grown/nearly grown children, 1 golden retriever

Cody L. Mihills, MD

Family Physician

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Southlake, Texas 76092

(817) 310-0421 (817) 310-5870 fax Home: 104 Van Buren Court Colleyville, Texas 76034 (817) 287-9196 (cell)

email: cody2001md@hotmail.com

Education

2001 - 2004 McLennan County Medical Education and Research Foundation,

Residency in Family Medicine; Waco, Texas – A teaching affiliate of The University of Texas Southwestern Medical Center at Dallas.

Served as chief resident for academic year 2003-2004.

1997 – 2001 M.D., Baylor College of Medicine; Houston, Texas.

1994 – 1997 B.A., Biology, Texas A&M University; College Station, Texas.

Graduated magna cum laude from the College of Science.

Licensure/Certifications

Diplomat, American Board of Family Medicine Board Certified Family Physician, 2004 Licensed, State of Texas, 2001 DEA registered DPS registered

Professional Experience

January 2009 Formed Real Estate partnership with Dr. Wyatt Webb, called WM

Real Estate, LP. We purchased a building on Southlake Boulevard to relocate practice site. Our clinical company is called Mihills-

Webb, Primary Care Health Partners.

January 2009 Opened satellite office #1 for Mihills-Webb, Primary Care

Physicians, on Western Center Boulevard in Fort Worth.

January 2009 Transitioned all clinical research endeavors into new corporate

identity named Mihills-Webb Medical Clinics, LLP, dba Southlake

Clinical Trials

	Summer 2008 to 2013	Neuro Reader for <i>Potential Services</i> , a company that provides real time neuro monitoring for spine surgery patients
	January 2008 to Present	Board member for <i>BandS Minintries</i> (Body and Souls Ministries). <i>BandS</i> is a 501c3 organization that is involved with medical missions around the globe.
	2004 to present	Private Practice – Starting in early 2004, developed my private solo practice in Southlake, Texas.
	2008 to 2011	Associate Medical Director – Solaris Hospice
	2006 to 2007	Associate Medical Director – Integracare Home Health
	Nov 2006 to Nov 07	Medical Director – Grapevine Valley Hope Drug & Alcohol Addiction Center
	Fall 2005 to 06	Medical Director – Trinity Hospice
	Fall 2005 to 06	Associate Medical Director – Radiant Home Health
	Fall 2007 to January 2008	Credentials Committee at Harris Methodist HEB Hospital - Bedford, Texas
	Spring 2004	Critical Care Committee, Hillcrest Baptist Medical Center
	Fall 2003	Board of Directors, McLennan County Medical Education and Research Foundation; Waco, Texas.
	Fall 2001-2003	Resident Selection Committee - McLennan County Medical Education and Research Foundation, Residency in Family Medicine
2	2001 to 2004	McLennan County Medical Education and Research Foundation, Residency in Family Medicine; Waco, Texas. Chief resident for academic year 2003-2004.
2	2001 to 2004	Various moonlighting activities, including History and Physicals for local Psychiatric hospital, Extended hours/Urgent care clinics, served as "back-up" to interns on Obstetrics call, and ER coverage for rural hospitals.
1	996 – 1997	Texas A&M University, College of Veterinary Medicine; Lab assistant in the Department of Veterinary Pathophysiology.

Clinical Research

Fall 2009 – 2011: ACT11308; Randomized, double-blind, placebo controlled study of a single injection of SAR164877 (REGN475) on reduction of pain from vertebral fracture associated with osteoporosis. Sponsor Sanofi aventis.

Fall 2009 – 2011: *Appraise – 2: Apixiban for Prevention of Acute Ischemic Events – 2.* Sponsor Bristol-Myers Squibb.

Spring 2009 – 2011: Protocol A2-4398-003; *Prospective Study to Evaluate the Reliability and Validity of the Shortness of Breath with Daily Activities Questionnaire*. Sponsor United Bio Source Corporation

Spring 2009 – 2011: *Protocol IL1T-GA-0815*, *BB-IND 9431*; Multi-center randomized, double blind, placebo controlled trial of the safety of Rilonacept for the prophylaxis of gout flares – Sponsor Regeneron Pharmaceuticals, Inc.

Fall 2008 – 2010: *Here to Help*, a study evaluating the cost and benefits of treatment with Suboxone with or without adjunct counseling – sponsor Health Analytics

Fall 2008 – current: *Serial Alzheimer's disease and MCI Prospective Longitudinal Evaluation*, a registry of patient data followed longitudinally for memory loss and dementia, to aid in the discovery of diagnostic markers – sponsor PrecisionMed, Inc.

Spring 2007 – 2012: GI Reasons, Osteoarthritis trial – sponsor Pfizer

Hospital Priveleges

Fall 2004 to present Baylor Grapevine Regional Medical Center, Grapevine, Texas -

Department of Family Medicine, General Adult and Pediatric

admissions

Fall 2004 to present Harris Methodist H-E-B, Bedford, Texas - Department of Family

Medicine, General Adult and Pediatric admissions

Fall 2013 to present T.H.R. Alliance Hospital; Department of Family Medicine

Extracurricular/Community Service

July 2016 Medical Mission trip to Campamento, Honduras

June 2009 Medical Mission to Malindi, Kenya

November 2008 Medical Mission to Ventanilla, Peru

March 2008 Medical Mission to Yali, Nicaragua

November 2007 Medical Mission to Piura, Peru

October 2007 Medical Mission to Wiwili, Nicaragua

March 2007 Medical Mission to El Cua, Nicaragua

Fall 2004 to 2010 Volunteer Physician for Carroll Independent School District's

Medical Academy - Southlake, Texas.

Fall 2004 to 2006 Served as Team Physician for Glenview Christian Academy

Varsity 6-man Football Team - Fort Worth, Texas

October 2003 Attended the Medical Group Management Association (MGMA)

Annual Conference in Philadelphia, PA. Conference provided insight to the leadership and administration in the business of

medicine.

November 2002 Medical Mission trip to Piura, Peru

References available upon request

NAME: Angela Yen Moore, MD

DATE: 05/22/17

PRESENT POSITION AND ADDRESS:

Dermatopathologist 2008-present

ACD Pathology

711 East Lamar Blvd. Arlington, TX 76011 Ph: 817-795-7546 Fax: 817-226-7546

Dermatologist 1998-present

Arlington Center for Dermatology 711 East Lamar Blvd, Suite 200

Arlington, TX 76011 Ph: 817-795-7546 Fax: 817-226-7546

Email: acderm@acderm.com
Website: www.acderm.com

Principal Investigator 2007- present

Arlington Research Center, Inc

Affiliated with Arlington Center for Dermatology

711 East Lamar Blvd, Suite 200

Arlington, TX 76011 Ph: 682-365-3602 Fax: 817-226-7546

Dermatologist 1998-present

ACD Aesthetics

711 East Lamar Blvd, Suite 200

Arlington, TX 76011 Ph: 817-795-7546 Fax: 817-226-7546

Clinical Assistant Professor of Dermatology 2000-present

Baylor University Medical Center

3500 Gaston Ave. Dallas, TX 75246 Ph: 214-820-2468 Fax: 214-820-4538

Clinical Assistant Professor of Dermatology 1997-present

University of Texas Medical Branch at Galveston

301 University Blvd. Route G-83

Galveston, Texas 77550

Ph: 409-772-1911 Fax: 409-772-1943 Adjunct Assistant Clinical Professor

2000-present

The University of Texas at Arlington School of Nursing

Box 19407

411 S Nedderman Dr Arlington, Texas 76019 Ph: 817-272-2776

Fax: 817-272-5006

PREVIOUS POSITIONS:

Clinical Assistant Professor of Dermatology

1998-2005

The University of Texas Southwestern Medical Center

5323 Harry Hines Blvd. Dallas, TX 75235-9069 Ph: 214-648-2274 Fax: 214-648-0280

Email: acdermatology@yahoo.com

Dermatologist

June, 1998- July, 1999

Mullanax Dermatology Associates

715 North Fielder Arlington, Texas 76012 Ph: 817-261-1626 Fax: 817-275-0441

Dermatopathologist

August, 1998- Sept, 1999

Cockerell and Associates 2330 Butler Street, Suite 115

Dallas, Texas 75235 Ph: 214-638-2222 Fax: 214-630-5210

Dermatologist and Dermatopathologist

September, 1998- Sept, 1999

Department of Veterans Affairs, North Texas Health Care System

Dallas Veterans Affairs Medical Center

4500 South Lancaster Road

Dallas, Texas 75216 Ph: 214-372-7032

Dermatologist

July, 1999- Dec, 2000

Arlington Dermatology Clinic

801 Road to Six Flags West, Suite 139

Arlington, Texas 76012

Ph: 265-1356

BIOGRAPHICAL:

Date of Birth April 30, 1967 Place of Birth Philadelphia, PA

Citizenship USA

EDUCATION:

1985-88	University of Texas, Austin, Texas, B.A. in Biology with Special Honors (Summa Cum Laude)
1988-92	Baylor College of Medicine, Houston, Texas, M.D.
1992-93	University of Texas Medical Branch, Galveston, Texas, Internal Medicine Internship
1993-96	University of Texas Medical Branch, Galveston, Texas, Dermatology Residency
1996-97	University of Texas Medical Branch, Galveston, Texas, Dermatopathology Fellowship

LICENSURE/ BOARD CERTIFICATION:

Texas State Board of Medical Examiners Diplomat of the American Board of Dermatology American Board of Dermatopathology

MEMBERSHIPS IN SCIENTIFIC SOCIETIES:

American Contact Dermatitis Society (ACDS) (2004 -present)

Christian Medical and Dental Association, Dermatology Section (2005-present)

Texas Medical Association (1988- present)

American Academy of Dermatology #012304 (1993- present)

American Society of Dermatopathology (1998-present)

American Medical Association (1988-2010, 2013-present)

Dermatology Foundation (1993-present)

Women's Dermatologic Society (1996- present)

Dermatology Foundation (1993- present)

Women's Dermatologic Society (1996- present)

merican Acne and Rosacea Society (2009-2014)

Society of Investigative Dermatology (1993-2004)

Southern Medical Association (1993-2000)

Houston Society of Clinical Pathologists (1996-1998)

American Board of Medical Specialties (1997-1998)

Houston Dermatological Society (1993-1998)

LEADERSHIP:

President of the Texas Dermatology Society (2016-2017)

AAD Legislative Representative Committee (2016-2017)

Chair of the Christian Medical and Dental Association, Dermatology section (2015-present)

"Clinical Pearls" Section Editor for the Journal of the American Academy of Dermatology (JAAD) (2013-2018)

Editorial Board of the Journal of the American Academy of Dermatology (JAAD) (2013-2018)

President-Elect, Texas Dermatology Society (2015-2016)

Secretary/Treasurer, Texas Dermatological Society (2012-2015)

Vice-Chair, Christian Medical and Dental Association, Dermatology Section (2012-2015)

Leader-in-training at Pantego Bible Church (2012-2014)

Lead the Fort Worth Dermatology monthly Journal Club (2006-present)

Leader of mission trips to multiple continents (see section on Service)

Small group bible study leader at Pantego Bible Church (2001-present)

Vice-President, Texas Dermatology Society (2011-2012)

Past-President, DFW Dermatological Society

President, DFW Dermatological Society (2010-2012)

Program Committee of Texas Dermatological Society (2008-2011)

Member of the Editorial Board of the Journal of the American Academy of Dermatology (JAAD) (2008-2013)

Secretary-Treasurer, DFW Dermatological Society (2008-2010)

Vice President, DFW Dermatological Society (2005-2008)

President, Arlington Medical Society (2003-04)

Committee member on Project Access to organize healthcare for indigent patients in Tarrant County (2003-04)

President-Elect, Arlington Medical Society (2002-2003)

Secretary-Treasurer, Arlington Medical Society (2001-2002)

Resident Member, American Academy of Dermatology Melanoma/Skin Cancer Screening Programs Task Force, (1996-97)

Delegate, American Medical Association Resident Physician Section (1996-97)

Resident Representative, Texas Medical Association Preventive Medicine Task Force (1996-97)

Resident Representative (Alt), Texas Medical Association Public Health Council (1996-97)

Resident Representative, Texas Medical Association Scientific Affairs Council (1995-97)

Resident Representative, Texas Medical Association Environment Committee (1995-96)

Texas Medical Association Resident Physician Section Council Member (1995-97)

Chairman, University of Texas at Austin Career Contacts Committee (1987-1988)

Student Advisor, University of Texas at Austin Blanton Dormitory, 5th floor (1986-1988)

Natural Sciences Representative, University of Texas at Austin Student's Association Student Senate (1986-1987)

Chair and Vice-chair, University of Texas at Austin Student's Association Consumer Affairs Committee (1986-1987, 1985-1986)

President, American Field Service, (1984-85)

President, German Club, (1984-85)

President, Math & Science Team, (1984-85)

SERVICE:

Leader of medical/discipleship/evangelism/bible dedication missionary trip to India (2016)

Leader of compassionate/discipleship/evangelism missionary trip to Chile (2016)

Mission trip to Mexico with Homes of Hope to build home for family (2016)

Leader of medical/discipleship/orphanage/compassionate/evangelism missionary trip to East Asia (2016)

Leader of medical/discipleship/compassion/evangelism missionary trip to Vietnam/Thailand (2015)

Mission trips to Mexico with Homes of Hope to build home for family (2015)

Leader of medical/discipleship/orphanage/compassionate/evangelism missionary trip to East Asia (2015)

Volunteer physician for medical arm of Mission Arlington (2005-present)

Volunteer at various DFW skin cancer screenings, including Arlington Memorial Hospital, Medical

Center of Arlington, and Moncrief Cancer Center (1998-present)

Volunteer at annual Tarrant County skin cancer screenings (1998-present)

Leader of medical/discipleship/compassionate trip to Indonesia (2014)

Leader of medical missionary trip to Kenya (2014)

Leader of medical/discipleship/orphanage/compassionate/evangelism missionary trip to East Asia (2014)

Mission trip to Yucatan Mayan Indians with Jesus Film/Message for Mayans (2014)

Leader of medical/discipleship/teaching missionary trip to Ecuador for SIM partnership (2014)

National Psoriasis Foundation Walk, Oct/Nov 2013

Leader of medical/outreach/evangelism missionary trip to Macedonia and Greece (2013)

Leader of medical/discipleship/orphanage/compassionate/evangelism missionary trip to East Asia (2013)

Organized outreach service projects at Mission Arlington for Pack 323, Troop 118, Grace Prep Academy, Pantego Bible Church (2008-present)

Grace Prep Academy class representative (2012-present)

Leader of medical/discipleship/orphanage/compassionate missionary trip to East Asia (2012)

Leader of medical/outreach/evangelism missionary trip to Estonia and Russia (2012)

Leader of medical/discipleship/orphanage/compassionate missionary trip to East Asia (2011)

Medical missionary trip to Ethiopia as part of Smile, Ethiopia outreach (2010)

Leader of medical missionary trip to East Asia (2010)

Medical missionary/bible dedication/bible translation trip to East Asia, India, and Nepal (2009)

Leader of medical missionary trip to East Asia (2009)

Leader of medical missionary team to Ecuador (2008)

Leader of medical missionary team to East Asia (2007)

Medical missionary team to East Asia (2006)

Volunteer at the Medical Center of Arlington skin cancer screening (2006)

Volunteer at Texas Motor Speedway skin cancer screening (2006)

Volunteer at Mission Arlington for dermatology care (2005-present)

Provide skin care information at local health fairs (2005-present)

Volunteer at Colonial and Byron Nelson golf tournaments skin cancer screenings (2005)

Medical missionary trip to China (1999)

Medical missionary trip to Bangkla, Thailand (1998)

Medical missionary trip to Juarez, Mexico (1997)

Medical missionary trip to Matamoras, Mexico (1997)

Judge for Galveston Ball High School Science Fair (1997)

Judge for National Student Research Forum (1997)

Pianist in the St. Vincent's Clinic Benefit (1997)

Medical missionary trip to Xian, China (1995)

TEACHING:

Honorary Medical Chair Speaker for National Psoriasis Foundation, April 2014 – 2015

Billing and coding pearl talks for dermatology residency programs in Texas (2002-present)

Dermatology lectures monthly to the D.O. Residency at Dermatology Institute in Duncanville 2002-2012

Fort Worth Dermatology Journal Club monthly review (2006-present)

Practice management talks for dermatology residency programs in Texas (2005- present)

Dermatopathology weekly "Clinicopathological Correlation" Conference at The University of Texas Southwestern at Dallas, 1998-2004

Dermatopathology weekly "Unknowns" conference and "Clinicopathological Correlation" Conference at The University of Texas Southwestern at Dallas, Veterans' Affairs Hospital, 1998-99

Dermatopathology weekly "Unknowns" conference and textbook conference at University of Texas Medical Branch at Galveston, 1996-98

Chief Resident of Dermatology, 1995-96

Weekly lectures for medical students and residents, 1995-96

Oral presentation on "Diagnostic Dilemma of Lymphoma vs. Histiocytic Necrotizing Lymphadenitis" at Pediatric Grand Rounds, University of Texas Medical Branch at Galveston, March, 1995.

Oral presentation on "Mucoepidermoid carcinoma" at the Otolaryngology Tumor Board Conference, University of Texas Medical Branch at Galveston, March, 1995.

Oral presentation on "Classification and Therapy of Hansen's Disease" at Infectious Disease Grand Rounds, University of Texas Medical Branch at Galveston, March, 1995.

Oral presentation on "Leukemia Cutis" at Pediatric Grand Rounds, University of Texas Medical Branch at Galveston, May, 1994.

UTMB COMMITTEE RESPONSIBILITIES:

President, University of Texas Medical Branch at Galveston Housestaff Officers Association, 1995-96 University of Texas Medical Branch at Galveston Graduate Medical Education Advisory Committee, 1995-present

University of Texas Medical Branch at Galveston Trauma, Infection & Repair Task Force, 1995-97

University of Texas Medical Branch at Galveston Internal Review Committee of the Institutional Residency Program, 1996

University of Texas Medical Branch at Galveston Planning committee, 12th Floor Sleep Room Project, 1996-97

University of Texas Medical Branch at Galveston Department of Family Medicine Internal Review Committee, 1996

Residency Selection and Evaluation Committee, Department of Dermatology, 1993-present

RESEARCH GRANTS/FELLOWSHIPS (National, International):

Dermatology Foundation Clinical Career Development Award, "Molecular predictors of metastasis and survival in intermediate-thickness melanomas", 1999-2002.

Dermatology Foundation Research grant, "Molecular predictors of metastasis and survival in intermediate-thickness melanomas", 1999-2000.

The Skin Cancer Foundation Frederic E. Mohs grant, "Predictors of metastasis and survival in intermediate-thickness melanomas", 1999-2000.

World Congress Fund Travel Scholarship to the 1998 International Investigative Dermatology Meeting in Cologne, Germany ("Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma"), 1998.

World Congress Fund Travel Scholarship to the 19th World Congress of Dermatology in Sydney, Australia ("Human Herpesvirus 8 (HHV-8) in Cutaneous Malignant and Autoimmune Lesions: Sequence Variability of HHV-8 DNA in Kaposi's Sarcoma,

Squamous Carcinomas, and Pemphigus"), 1997.

Southern Medical Association Research Grant, "Prevalence and Potential Role of HHV-8 in Kaposi's Sarcoma and Autoimmune Disorders," 1996-97.

Women's Dermatologic Society Grant for Mentorship, Melbourne, Australia (with Dr.Robin Marks), 1996

Society of Investigative Dermatology Albert M. Kligman Fellowship ("Prevalence of Human Herpesvirus 8 DNA in Kaposi's Sarcoma, Carcinomas, and Post-transplant Squamous Lesions"), 1996.

Invited Guest Clinician at Xian Medical School, Xian, China, 1995.

HONORS/AWARDS:

Dermatology

Editorial Board of the Journal of the American Academy of Dermatology, 2008-present Section Editor of the Clinical Pearl Section of the Journal of the American Academy of Dermatology, 2013-2018

Expert contributor for the Common warts topic for British Medical Journal's Best Practice/Point of Care: Sep 1, 2013 - present

Texas Super Doctors – Elected by peers and recognized in Texas Monthly, December 2007

Texas Super Doctors - Elected by peers and recognized in Texas Monthly, December 2006

Dallas Fort Worth Dermatologic Society 2006 Practicing Physicians "Case of the Year" award, 2006, Dallas, Texas.

Texas Super Doctors – Elected by peers and recognized in Texas Monthly, December 2005.

Texas Super Doctors – Elected by peers and recognized in Texas Monthly, December 2004.

Outstanding Poster Award for "Methylation Profiles of Tumor Suppressor Genes in Basal Cell and Squamous Cell Carcinomas" at the North Texas Chapter of the American College of Surgeons Meeting, Dallas, Texas, February, 2003.

Outstanding Poster Award for "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma after Laser Capture Microdissection" Presentation at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 2002.

Skin Disease-Related Research Core Center Grant, 2002-2003.

Dallas Fort Worth Dermatologic Society 1999 Practicing Physicians "Case of the Year" award, 1999, Dallas, Texas.

Dermatology Foundation Clinical Career Development Award, 1999-2002.

Skin Cancer Foundation Grant, 1999-2000.

Dermatology Foundation Research Grant, 1999-2000.

American Academy of Dermatology 1999 Award for Young Investigators in Dermatology, March 1999, New Orleans, Louisiana.

Young Investigators' Award Honorable Mention from the American Society for Dermatologic Surgery, February, 1997

UTMB Department of Dermatology Research Award at the National Student Research Forum, April, 1996, Galveston, Texas

American Academy of Family Physician Research Award at the National Student Research Forum, April, 1995, Galveston, Texas

Roche Overall Award for Clinical Research, Resident/Intern Division at the National Student

Research Forum, April, 1995, Galveston, Texas

Roche Overall Award for Basic Science Research, Resident/Intern Division at the National Student Research Forum, April, 1994, Galveston, Texas

J. Lewis Pipkin Research Award (Department of Dermatology) at the National Student Research Forum, April, 1994, Galveston, Texas

Galveston Symphony Orchestra, violinist, 1995

Undergraduate

Phi Beta Kappa, 1988

Second degree Black Belt in Tae Kwon Do, 1988

Friar Society (based on significant contribution in research and service to UT), 1988

Cactus Goodfellow Award for Scholarship, Leadership, and Service, 1988

Outstanding College Students of America, Fall 1987

Who's Who Among Students in American Universities and Colleges, Spring 1987

Cactus Outstanding Student Award for Scholarship, Leadership, and Service, Spring 1987

President's Endowed Scholar, Spring 1987

Mortar Board Honorary Service Organization, Spring 1987

Omicron Delta Kappa for Leadership Scholarship, Spring 1987

Phi Kappa Phi Honor Society, 1986

Golden Key National Honor Society, Fall 1986

Neel A. Harrington Scholarship (to one junior student annually), 1986-1987

Margaret C. Berry Scholarship (to one female sophomore annually), Spring 1986

Jostens' Scholarship for Scholarship and Leadership, 1985-1988

Textron National Merit Scholarship, 1985-1988

Independent Order of Foresters Award for Scholarship & Leadership, 1985-1988

Texas Achievement Award, 1985-1988

Texas Excellence Award (Lowell Lebermann 1985 Texas Scholar), 1985-1988

Outstanding Orchestra Student Award, Member of the All-State Symphonic Orchestra, 1985

National Merit Scholar, 1985

Valedictorian (Graduating Class of 550) at Arlington High School, June 1985

ADVISORY BOARD (present)

Abbvie, Aqua, DUSA, Janssen, Merz, Novartis (2016)

Abbvie, Aqua, DUSA, Merz, Valeant (2015)

CURRENT SPEAKER'S BUREAU INVOLVEMENT (Roundtable and Lecture):

Abbvie, Allergan, Aqua, Leo, Merz, Prestium (2016)

Abbvie, Aqua, Leo, Merz, Valeant (2015)

Honorary Medical Chair for National Psoriasis Foundation, April 2014 – present

Abbvie, DUSA, Merz, Valeant (2014)

Abbvie, DUSA, Glaxo Smith Kline, Leo, Medicis, Merz (2013)

Abbott-Psoriasis and Psoriatic Arthritis, Use of Biologics for Psoriasis and Psoriatic Arthritis, 2006-2013

Amgen-Psoriasis and Psoriatic Arthritis, Intervention in Psoriatic Arthritis and Psoriasis, 2004-2010 Amgen-Beyond Skin Deep:Interactive Insights, Peer-to Peer Explorations in Patient Care, Jan 2010-2012

Astellas/Fujisawa – The Many Faces of Lupus, Dermatology Pearls, Private Practice Dermatology Pearls, 2003 to 2006

Biogen- Psoriasis in the Era of Biologics, Pearls on Private Practice Dermatology, Electronic Medical Records and Modern Day Technology in the treatment of Psoriasis, 2003-2005

Collagenex - Topics include Rosacea, Pearls and Potpourri of Cases, 2006-2009

Connetics - Topics include Atopic dermatitis, Seborrheic dermatitis, Contact dermatitis,

Dyshidrotic eczema, and Psoriasis in the Era of Biologics, Combination Treatment for Psoriasis, , 2001-2004

Dermik – Dermatology Pearls, Potpourri of Dermatology Cases from Around the World, Electronic Medical Records, Benzaclin, Carac, 2003-2007

Ferndale Laboratories- Use of Immunomodulators and Steroids in Inflammatory Disorders, 2003-2006

Galderma- Pearls on Private Practice, Topical Steroids in Novel Vehicles, Clobex Shampoo, Metrogel, Differin, Triluma, Update on the M.O.R.E. Trial, 2006-2012

Glaxo Smith Kline-Topics include Herpesviruses 1-8, Cutaneous Manifestations of Viral Diseases, 2002-03

Healthpoint- Inflammatory Skin Diseases 2003-2004

3M - Topics include Human Papillomaviruses, Cutaneous carcinomas, Cutaneous Manifestations of Viral Diseases, Antiviral therapies, Herpesviruses 1-8, Dermatology from Around the World, Pearls from the American Academy of Dermatology Meeting, Potpourri of Dermatology Cases, Skin Cancer Update, Pearls on Skin Cancer Treatment, 2001-2004

Novartis- Topics include Herpesviruses and Antiviral therapies, Atopic Dermatitis, Advanced Diagnosis and Treatment of Inflammatory Skin Disorders, Update on Treatment of Inflammatory Skin Disorders, Therapy of Inflammatory Diseases, Scaly Rashes, 2001-2004 Warner Lambert- Dermatology Cases from Around the World, 2003, Taclonex, 2006-2010

FUNDED RESEARCH PROJECTS:

Abbvie, Allergan, Astellas, Coherus, Eli Lilly, Galderma, Janssen, Novan, Novartis, Parexel, Regeneron, (2017)

Principal Investigator: Moore A., Protocol Number 1297.9: VOLTAIRE-X: Pharmacokinetics, safety, immunogenicity and efficacy of BI 695501 versus Humira® in patients with moderate to severe chronic plaque psoriasis: a randomized, double-blind, parallel-arm, multiple-dose, active comparator trial. Boehinger Ingelheim Pharm GmbH & Co. KG Pending Site Activation

Principal Investigator: Moore A., Protocol Number 232674 Almirall, PM1440: A Randomized, Double-blind, Vehicle-controlled, Parallel-group clinical Trial to Assess the Efficacy, Safety and Tolerability of P-3073 for Topical Treatment of Nail Psoriais. Almirall Pending Site Activation

Principal Investigator: Moore A., Protocol Number FX2016-12: A Randomized, Multicenter, Doubleblind, Vehicle-controlled Study to Evaluate the Safety and Efficacy of FMX103 1.5% Topical Minocycline Foam Compared to Vehicle in the Treatment of Facial Papulopustular Rosacea (FX2016-12) Foamix Pharmaceuticals Ltd Pending Site Activation

Principal Investigator: Moore A., Protocol Number INCB 18424-211: A Randomized, Double-Blind, Dose-Ranging Study of INCB018424 Phosphate Cream in Subjects With Vitiligo. Incyte-Corporation May 2017- present

Principal Investigator: Moore A., Protocol Number INCB 1842-206: A Phase 2, Randomized, Dose-Ranging, Vehicle-Controlled and Triamcinolone 0.1% Cream-Controlled Study to Evaluate the Safety and Efficacy of INCB018424 Phosphate Cream Applied Topically to Adults With Atopic Dermatitis. Incyte Corporation March-present

Principal Investigator: Moore A., Protocol Number CNTO127SPSO3013: A Phase 3 Open-label Study to Assess the Efficacy, Safety, and Pharmacokinetics of Subcutaneously Administered Ustekinumab in the Treatment of Moderate to Severe Chronic Plaque Psoriasis in Pediatric Subjects ≥6 to <12 Years of Age. Janssen Pharmaceutical Companies December 2016-present

Principal Investigator: Moore A., Protocol Number M16-048, A Phase 2b Multicenter, Randomized, Placebo-Controlled, Double-Blind Dose-Ranging Study to Evaluate ABT-494 in Adult Subjects with Moderate to Severe Atopic Dermatitis. AbbVie, Inc. November 2016-present

Principal Investigator: Moore A., Protocol Number 1679-401-006: An Open-Label Phase 4 Safety and Efficacy Trial of ACZONE (Dapsone) Gel, 7.5% in 9 to 11 Year-Old Patients With Acne Vulgaris. Allergan (North America)
October 2016-present

Principal Investigator: Moore A., Protocol Number CAIN457A2326, A 52-week, multicenter, randomized, double-blind study of secukinumab (300 mg) to demonstrate efficacy as assessed by Psoriasis Area and Severity Index and Investigator's Global Assessment after 12 weeks of treatment, compared to ustekinumab, and to assess long-term safety, tolerability, and efficacy in subjects with moderate to severe plaque psoriasis (CLARITY). Novartis Pharmaceuticals Corp July 2016-present

Principal Investigator: Moore A., Protocol Number CAIN457FUS01, A randomized, double-blind, placebo-controlled, parallel-group, multicenter study to evaluate the safety and efficacy of secukinumab 300 mg and 150 mg in adult patients with active psoriatic arthritis after 16 weeks of treatment compared to placebo and to assess the safety, tolerability and efficacy up to 52 weeks. Novartis Pharmaceutical Corp

July 2016-Present

Principal Investigator: Moore A., Protocol Number NI-AC303, A Phase 3 Multi-Center, Open Label Study Evaluating the Long Term Safety of SB204 Once Daily in the Treatment of Acne Vulgaris. Novan Therapeutics
May 2016 to May 2017

Principal Investigator: Moore A., Protocol Number NI-AC301, A Phase 3 Multi-Center, Randomized, Double-Blinded, Vehicle-Controlled, Parallel Group Study Comparing the Efficacy, Tolerability and Safety of SB204 and Vehicle Gel Once Daily in the Treatment of Acne Vulgaris. Novan Therapeutics February 2016 to March 2017

Principal Investigator: Moore A., Protocol Number CLS001-CO-PR-005, A Phase 3, Randomized, Vehicle-Controlled, Double-Blind, Multicenter Study to Evaluate the Safety and Efficacy of a Once-Daily CLS001 Topical Gel Versus Vehicle Administered for 12 Weeks to Subjects with Papulopustular Rosacea with a 4 Week Follow-up Period. Cutanea Life Sciences, Inc. December 2015-Present

Principal Investigator: Moore A., Protocol Number CHS-1420-02, A Double-Blind, Randomized, Parallel-Group, Active-Conrol Study to Compare the Efficacy and Safety of CHS-1420 Versus Humira in Subjects With Chronic Plaque Psoriasis (PSOsim) August 2015 to present

Principal Investigator: Moore A., Protocol Number R668-AD-1415, A Phase 3, Randomized, Double-Blind Placebo-Controlled study Investigating the Efficacy and Safety of Multiple Dupilumab Dose Regimens Administered as Monotherapy for Maintaining treatment response in Patients with Atopic Dermatitis. Regeneron Pharmaceuticals, Inc. August 2015 to February 2017

Principal Investigator: Moore A., Protocol Number SC1402, A Randomized, Multicenter, Doubleblind, Placebo-controlled Study to Evaluate the Efficacy and Safety of 1.5 mg/kg per Day of Sarecycline Compared to Placebo in the Treatment of Acne Vulgaris. Allergan (formerly Activis) June 2015 to March 2017

Principal Investigator: Moore A., Protocol Number R668-AD-1225, An Open-Label study of Dupilumab in patients with Atopic Dermatitis who Participated in Previous Dupilumab Clinical Trials. Regeneron Pharmaceuticals, Inc.

March 2015 to present

Principal Investigator: Moore A., Protocol Number R668-AD-1416, A Phase 3 Confirmatory Study Investigating the Efficacy and Safety of Dupilumab Monotherapy Administered to Adult Patients with Moderate-to-Severe Atopic Dermatitis. Regeneron Pharmaceuticals, Inc. March 2015 to March 2016

Principal Investigator: Moore A., Protocol Number 122-0551-305, A Multicenter, Randomized, Double-Blind, Parallel Group Comparison of Halobetasol Propionate Foam 0.05% versus Vehicle Foam in Subjects with Plaque Psoriasis. Therapeutics, Inc. February 2015 to September 2015

Principal Investigator: Moore A., Protocol Number B7451005, A Phase 2, Randomized, Double-Blind, Placebo-Controlled study to evaluate safety and efficacy of PF9-04965842 in Subjects with Moderate to Severe Psoriasis. Pfizer, Inc. February 2015 to August 2015

Principal Investigator: Moore A., Protocol Number GLI.04.SPR.US10305, MIRVASO In Use Study: Managing Rosacea through assessment and control of its erythema (The MIRACLE Study). Galderma R&D, LLC

November 2014-March 2015

Principal Investigator: Moore A., Protocol Number CAIN457AUS01, A randomized, double-blinded, placebo-controlled, parallel-group, multicenter study to demonstrate the efficacy of subcutaneous secukinumab [300 mg] as assessed by the Psoriasis Scalp Severity Index (PSSI) at 12 weeks of treatment, compared to placebo, and to assess safety and tolerability up to 24 weeks in adult subjects with moderate to severe scalp psoriasis. Novartis Pharmaceuticals October 2014-March 2016

Principal Investigator: Moore A., Protocol Number CNT01959PS03003, A Phase 3, Multicenter, Randomized, Double-blind Study to Evaluate the Efficacy and Safety of Guselkumab for the Treatment of Subjects With Moderate to Severe Plaque-type Psoriasis and an Inadequate Response to Ustekinumab. Janssen Research and Development, LLC October 2014-July 2016

Principal Investigator: Moore A., Protocol Number CNT01959PSO3002, A Phase 3, Multicenter, Randomized, Double-blind, Placebo and Active Comparator-controlled Study Evaluating the Efficacy and Safety of Guselkumab for the Treatment of Subjects with Moderate to Severe Plaque-type Psoriasis with Randomized Withdrawal and Retreatment.

Janssen Research and Development, LLC

October 2014-Present

Principal Investigator: Moore A., Protocol Number CNT01959PS03001, A Phase 3, Multicenter, Randomized, Double-blind, Placebo and Active Comparator-controlled Study Evaluating the Efficacy and Safety of Guselkumab for the Treatment of Subjects with Moderate to Severe Plaque-type Psoriasis. Janssen Research and Development, LLC October 2014-Present

Principal Investigator: Moore A., Protocol Number R668-AD-1314, A Randomized, Double-Blind, Placebo-Controlled, Study Investigating Vaccine Responses in Adults with Moderate to Severe Atopic Dermatitis Treated with Dupilumab. Regeneron Pharmaceuticals, Inc. September 2014-December 2015

Principal Investigator: Moore A., Protocol Number AN2728-303, A Multicenter, Open-Label Study of the Long-Term Safety of AN2728 Topical Ointment, 2% in the Treatment of Children, Adolescents, and Adults (Ages 2 Years and Older) With Atopic Dermatitis.

Anacor Pharmaceuticals, Inc. June 2014- December 2015

Principal Investigator: Moore A., Protocol Number 225678-007 – A Safety and Efficacy Study to Compare Dapsone Dermal Gel with Vehicle Control in Patients with Acne Vulgaris. Allergan (North America) May 2014-February 2015

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18131, A Multicenter, Open label uncontrolled study of the long term safety and efficacy of calcitriol 3mcg/g ointment applied twice daily for 26 weeks in pediatric subjects (2 to 17 years of age) with mild to moderate plaque psoriasis. Galderma R&D, LLC. Apr 2014-Present

Principal Investigator: Moore A., Protocol Number AN2728-301, A Multicenter, Randomized, Double-Blind, Vehicle-Controlled Study of the Safety and Efficacy of AN2728 Topical Ointment, 2% in Children and Adolescents (Ages 2 Years-17 Years) With Atopic Dermatitis. Anacor Pharmaceuticals, Inc. Apr 2014- August 2015

Principal Investigator: Moore A., Protocol Number 199201-004 – Efficacy and Safety of Oxymetazoline HCI Cream 1.0% for the Treatment of Persistent Erythema Associated with Rosacea. Allergan (North America) Apr 2014-Mar 2015

Principal Investigator: Moore A., Protocol Number RAN.13.01-A Follow-Up Evaluation of Study Subjects Treated in Protocol ISOCT.08.01- the Phase 3 Double-Blind, Randomized, Parallel Group Study Evaluating the Efficacy and Safety of CIP-ISOTRETINOIN in Patients with Severe Recalcitrant Nodular Acne. Ranbaxy Laboratories Inc. December 2013 – Mar 2014

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18240 - A Multi-Center, Randomized, Double-Blind, Parallel-Group Vehicle And Active Controlled Study to Compare The Efficacy and Safety Of CD0271 0.3% / CD1579 2.5% Topical Gel Versus Topical Gel Vehicle In Subjects With Acne Vulgaris Galderma R&D, LLC. Nov 2013 - May 2014

Principal Investigator: Moore A., Protocol Number ASB1-704 – A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-group Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of ASB17061 Capsules in Adult Subjects With Atopic Dermatitis. Asubio Pharmaceuticals, Inc. Sep 2013 – Mar 2014

Principal Investigator: Moore A., Protocol Number TI000-0551-305 – A Multicenter, Randomized, Double-Blind, Parallel Group Comparison Of Halobetasol Propionate Lotion 0.05% Versus Vehicle Lotion in Subjects With Plaque Psoriasis. Therapeutics, Inc. Jul 2013-May 2014

Principal Investigator: Moore A., Protocol Number A3921082 – A Phase 2b, Multi-Site, Randomized, Double-Blind, Vehicle-Controlled, Parallel-Group Study of The Efficacy, Safety, Local Tolerability And Pharmacokinetics of 2 Dose Strengths And 2 Regimens of Tofacitinib Ointment in Subjects With Chronic Plaque Psoriasis. Pfizer, Inc. Jun 2013-Dec 2014

Principal Investigator: Moore A., Protocol Number A0081224 —A Phase 3 Double-Blind, Randomized, Placebo-Controlled, Safety and Efficacy Study of Once Daily Controlled Release Pregabalin in the Treatment of Patients with Postherpetic Neuralgia. Pfizer, Inc. Apr 2013-Jan 2015

Principal Investigator: Moore A., Protocol Number DS440C00001 – A Phase IIa, Randomized, Double-blind, Placebo-controlled, Multicenter Study to Assess the Safety, Tolerability and Preliminary Efficacy of MEDI8968 in Subjects with Moderate to Severe Hidradenitis Suppurativa. AstraZeneca May 2013-Jan 2015

Principal Investigator: Moore A., Protocol Number X052170 – An Open-label, Proof of Concept Study of Gevokizumag in the Treatment of the Acute, Inflammatory Phase of Pyoderma Gangrenosum. XOMA (US) LLC Apr 2013- Jun 2014

Principal Investigator: Moore A., Protocol Number TOL2665A- A Double-Blind, Randomized, Parallel-Group, Vehicle-Controlled, Multicenter Study Comparing TOLMAR Azelaic Acid Gel, 15% to Reference Listed Drug in the Treatment of Rosacea. TOLMAR Inc. Apr 2013 – Mar 2014

Principal Investigator: Moore A., Protocol Number MP-1001-01 – A Parallel-group, Vehicle-controlled, Randomized, Double-blind Study of the Efficacy and Safety of Product 49778 and Product 1016 in Subjects with Seborrheic Dermatitis. Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc) Sep 2012 – February 2013

Principal Investigator: Moore A., Protocol Number 20120102 – A Phase 3 Study to Evaluate the Efficacy, Safety, and Effect of Withdrawal and Retreatment With Brodalumab in Subjects With Moderate to Severe Plaque Psoriasis: AMAGINE-1. Amgen Aug 2012 – March 2016

Principal Investigator: Moore A., Protocol Number I1F-MC-RHBA (a) – A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Efficacy and Safety of LY2439821 to Etanercept and Placebo in Patients with Moderate-to-Severe Plaque Psoriasis. Eli Lilly and Company June 2012 - Present

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18223- A randomized, multi-center, Investigator-blind, vehicle-and active-controlled, phase 2 study to assess the efficacy and safety of different concentrations of CD5789 cream applied once daily in subjects with moderate to severe acne Vulgaris. Galderma July 2012 – October 2013

Principal Investigator: Moore A., Protocol Number PR-10411- A Randomized, Multicenter, Doubleblind, Placebo-controlled Study to Evaluate the Safety and Efficacy of 3 Different Doses of a Novel Tetracycline, Compared to Placebo in the Treatment of Facial Acne Vulgaris. Warner Chilcott June 2012 – February 2013

Principal Investigator: Moore A., Protocol Number CNTO12756PSO3009- Phase 3b, Randomized, Double-blind, Active-controlled, Multicenter Study to Evaluate a "Subject-tailored" Maintenance Dosing Approach in Subjects with Moderate-to-Severe Plaque Psoriasis. Ustekinumab. Janssen Biotech, Inc. April 2012-November 2015

Principal Investigator: Moore A., Protocol Number LP0041-21- Phase 3, multi-centre, randomized, two-arm, parallel group, double-blind, vehicle-controlled, 12-month trial. A Sequential Treatment Regimen of Cryotherapy and Picato (Ingenol Mebutate) gel, 0.015% Field Therapy Compared to Cryotherapy Alone for the Treatment of Actinic Keratosis on the Face and Scalp. LEO Pharma A/S April 2012- September 2013

Principal Investigator: Moore A., Protocol Number X052120 – A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Gevokizumab in Subjects with Moderate to Severe Acne Vulgaris. XOMA January 2012-August 2013

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18171 – A Phase 3 randomized, double-blind, 12 week vehicle-controlled, parallel-group study assessing the efficacy and safety of CD5024 1% cream versus vehicle cream in subjects with papulopustular rosecea, followed by a 40-week investigator-blinded extension comparing the long-term safety of CD5024 1% cream versus azelaic acid 15% gel. Galderma December 2011- August 2013

Principal Investigator: Moore A., Protocol Number MP-1005 – An Open Label Study to Evaluate the Safety of Long Term Administration of Product 33525 in Subjects with Tinea Pedis, Tinea Corporis, or Tinea Cruris. Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc) June 2011 to December 2012

Principal Investigator: Moore A., Protocol Number MP-1000-01 – A Randomized, Multi=-Center, Double-Blind, Vehicle-Controlled Study Evaluating the Safety of Product 33525 in Subjects with Tinea Cruris. Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc) June 2011 to December 2012

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18140 , A Multicenter, Randomized Double- Blind, Vehicle-Controlled, Parallel Group Study to Demonstrate the Efficacy and Assess the Safety of CD7805-47 Gel 0.5% Applied Topically Once Daily in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea" (the "Protocol") and as many be amended. – Galderma June 2011 to January 2012 (Brimonidine)

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18142, "A Multicenter, Open-Label Study to Evaluate the Long-Term Safety and Efficacy of CD07805/47 Gel .5% Applied Topically Once Daily for up to 52 Weeks in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea" - Galderma February 2011 to August 2012 (Brimonidine)

Principal Investigator: Moore A., Protocol Number. RD.06.SPR.18195 "A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, 3-Arm, Parallel Group Study Comparing the Efficacy and Safety of CD2475/101 40 mg Tablets versus Placebo and Doxycycline 100 mg Capsules Once Daily in the Treatment of Inflammatory Lesions in Subjects with Acne Vulgaris" Galderma February 2011 - February 2012

Principal Investigator: Moore A., Protocol M518101-US01 "A Randomized, Placebo-Controlled, Double-Blind, Parallel group, Multi-center phase IIb dose finding study of M518101 in plaque psoriasis patients" Maruho Co., Ltd. February 2011 to December 2011.

Principal Investigator: Moore A., Protocol Number A3921061 "A Phase 3, Multi-site, Open-label Study of the Long Term Safety and Tolerability of 2 Oral Doses of Cp-690,550 in Subjects with Moderate to Severe Chronic Plaque Psoriasis" Pfizer February 2011 to September 2016

Principal Investigator: Moore A., Protocol Number A3921079 "A Phase 3, Multi-site, Randomized, Double-blind, Placebo-controlled, Parallel-group Study of the Efficacy and Safety of 2 Oral Doses of cp-690,550 in Subjects with Moderate to Severe Chronic Plaque Psoriasis" Pfizer February 2011 to January 2014

Principal Investigator: Moore A., Protocol Number 20080470 "A Randomized Study to Evaluate the Efficacy and Safety of Adding Topical Therapy to Etanercept in Subjects With Moderate to Severe Plaque Psoriasis." Amgen November 2010 – February 2012

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18161: "A 4-week, Randomized, Double-blind, Parallel-group, Vehicle-controlled, Multicenter Study Investigating the Efficacy and Safety of CD07805/47 Gel 0.5% Applied Topically Once Daily (QD), and CD07805/47 Gel 0.18% Applied Topically Once Daily (QD) or Twice Daily (BID), in Subjects With Moderate to Severe Facial Erythema Associated With Rosacea" Galderma. August 2010 – January 2011 (Brimonidine)

Principal Investigator: Moore A., Protocol Number MCB 0501 INT "Safety and Efficacy of TACLONEX Ointment in Adolescent Patients (aged 12 to 17 years) with Psoriasis Vulgaris." Health Decisions, Company. LEO Pharmaceuticals May 2010 – Dec 2011

Principal Investigator: Moore A., Protocol Number ISOCT.08.01: "A Double-Blind, Randomized, Phase III, Parallel Group Study Evaluating the Efficacy and Safety of Cip-Isotretinoin in Patients with Severe Recalcitrant Nodular Acne." Cipher Pharmaceuticals Inc. (now Ranbaxy) January 2010- August 2011

Principal Investigator: Moore A., Protocol Number INH-FV1-005: "A Phase II, Multicenter, Randomized, Double-Blind, Parallel-Group, Comparative Study of FV-100 vs. Valacyclovir in Patients with Herpes Zoster." Inhibitex. June 2009 – January 2011

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18158: "A Four-Week, Multicenter, Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of CD2027 Ointment 3mcg/g Twice Daily in the Treatment of Adults with Least Moderate Atopic Dermatitis." Galderma. May 2009 – November 2009.

Principal Investigator: Moore A., Protocol Number P10-023: "A 10 Year, Post Marketing, Observational, Registry of HUMIRA® (Adalimumab) in Adult Patients with Chronic Plaque Psoriasis." Abbott (now Abbvie). March 2009 – Present.

Principal Investigator: Moore A., Protocol W0261-301: "A Phase 3 Multicenter, Randomized, Double-Blind, Active and Vehicle-Controlled Study of the Safety and Efficacy of Duac Low-Dose Gel Versus Clindamycin Gel Versus Benzyol Peroxide Gel Versus Vehicle Gel in Subjects with Acne Vulgaris.," Stiefel Laboratories, Inc. (now Glaxo Smith Kline) October 2008 – October 2009

Principal Investigator: Moore A., Protocol Number DPSI-IDP-107-P2-01: "A Phase 2B, Multi-Center, Double-Blind, Randomized, Dose-ranging Clinical Study to Evaluate IDP-107 in the Treatment of Moderate to Severe Acne Vulgaris with Nodular Involvement." Dow Pharmaceuticals, September 2008- June 2009.

Principal Investigator: Moore A., Protocol Number C0168Z04: "A Multicenter, Open-label Study to Assess the Efficacy and Safety of Infliximab (REMICADE®) Therapy in Patients With Plaque Psoriasis Who Had an Inadequate Response to Etanercept (ENBREL®)." Centocor Janssen Biotech, Inc. September 2008- February 2009

Principal Investigator: Moore A., Protocol Number C0168Z03: "A Multicenter, Open Registry of Patients with Psoriasis Who Are Candidates for Systemic Therapy Including Biologics." Centocor Janssen Biotech, Inc. May 2008- Present.

Principal Investigator: Moore A., Protocol U0275-01: "A Phase 4, Open-Label Study to Assess the Long-Term Safety of Extina (ketoconazole) Foam, 2%, in the Treatment of Seborrheic Dermatitis." Stiefel Laboratories, Inc. (now Glaxo Smith Kline), June 2008 – October 2009

Principal Investigator: Moore A., Protocol 70744001: "A Randomized, Double-Blind, Multiple-Site, Placebo Controlled, Parallel Design, Clinical Study to Evaluate the Bioequivalence of Adapalene Cream 0.1% (Glenmark Pharmaceutical Ltd.) Compared to Differin® (adapalene 0.1%) Topical Cream (Galderma Laboratories) in Patients with Acne Vulgaris." Novum, May 2008 – December 2008

Principal Investigator: Moore A., Protocol RD.03.SPR.29075: "Efficacy and Safety Comparison of Adapalene 0.1% / Benzoyl Peroxide 2.5% Gel versus Adapalene, 0.1% / Benzoyl Peroxide 2.5% Vehicle Gel as a 6-Month Maintenance Treatment." Galderma R&D, Inc., May 2008 – November 2009

Principal Investigator: Moore A., Protocol RD.03.SPR.29074: "Efficacy and Safety Comparison of Adapalene 0.1% / Benzoyl Peroxide 2.5% Gel Associated with Doxycycline Hyclate 100mg Tablets versus Adapalene lotion, 0.1% / Benzoyl Peroxide 2.5% Vehicle Gel Associated with Doxycycline Hyclate 100mg Tablets in the Treatment of Severe Acne Vulgaris." Galderma R&D, Inc., May 2008 – May 2009

Principal Investigator: Moore A., Protocol RD.06.SPR.18113: "A Multi-Center, Randomized, Double-Blind, Parallel Group Study to Demonstrate the Efficacy and Safety of Adapalene Lotion, 0.1% Compared with Vehicle Lotion in Subjects with Acne Vulgaris." Galderma R&D, Inc., February 2008 – February 2009

Principal Investigator: Moore A., Protocol EPB348-0201: "A randomized, double-blind, active-controlled, multi-center, parallel-group dose-ranging study assessing the safety and efficacy of EPB-348 versus valacyclovir among immunocompetent patients with an acute episode of herpes zoster." Epiphany Biosciences, December 2007 – June 2009

Principal Investigator: Moore A., Protocol M10-016: "A Phase 3, Multicenter, Open-Label Extension Study Designed To Describe Safety, Tolerability, and Efficacy of Long-Term Administration of the Human Monoclonal Antibody Against IL-12 In Subjects with Moderate to Severe Chronic Plaque Psoriasis." Abbott/Paragon Biomedical, May 2008 – Feb 2012

Principal Investigator: Moore A., Protocol M06-890: "A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Safety and Efficacy of Two Dosing Regimens of ABT-874 to Placebo in Subjects with Moderate to Severe Chronic Plaque Psoriasis." Abbott/Paragon Biomedical, December 2007 – July 2009

Principal Investigator: Moore A., Protocol 70716202: "A Randomized, Double-Blind, Multiple-Site, Placebo Controlled, Parallel Design, Clinical Study to Evaluate the Bioequivalence of Adapalene Gel 0.1% (PLIVA Research & Development Ltd.) Compared to Differin (adapalene 0.1%) Topical Gel (Galderma Laboratories in Patients with Acne Vulgaris" Novum, June 2007 – December 2008

Principal Investigator: Moore A., Protocol 15L-CL-101: "A Phase II Dose Finding Study with ASP2151 in Subjects with Recurrent Episodes of Genital Herpes." Astellas, March 2007 – December 2008

Principal Investigator: Moore A., Protocol COL101-ROSE-401: "A Multi-Center, Randomized, Double-Blind, Active-Control Clinical Trial to determine the Effects of Doxycycline Monohydrate Modified-Release Capsules, 40 mg (COL-101 Administered Once Daily in Conjunction with MetroGel (metronidazole topical gel, 1%) versus Doxycycline Hyclate Immediate-Release Capsules, 100 mg Administered Once Daily in Conjunction with MetroGel (metronidazole topical gel, 1%) in Patients with Moderate to Severe Rosacea." Collagenex, February 2007 – November 2007

Principal Investigator: Moore A., "TAZ0601: Comparative Tolerability and Efficacy of Tazorac 0.1% and Retin-A Micro 0.04% in the Treatment of Mild to Moderate Facial Acne Vulgaris." Allergan, Inc, January 2007 – January 2008

Principal Investigator: Moore A., "Protocol RD.06.SPR.18088: A Multi-Center, Randomized, Double-Blind, Parallel Group Study To Demonstrate The Efficacy And Safety Of Adapalene/Benzoyl Peroxide Topical Gel Compared With Adapalene/Benzoyl Peroxide Topical Gel Compared With Adapalene Topical Gel, 0.1%; Benzoyl Peroxide Topical Gel, 2.5% And Topical Gel Vehicle In Subjects With Acne Vulgaris." Galderma, January 2007- July 2007

Principal Investigator: Moore, A., "Protocol 20040210: Observational Post-Marketing Safety Surveillance Registry of Enbrel (etanercept) for the Treatment of Psoriasis." Amgen Inc. May 2006-March 2013

Principal Investigator: Moore, A., "Protocol GLI.04.SPR.US10 029: A Phase IV, Open-Label, Multicenter, Community-based, 4-Week Trial Assessing Efficacy, Tolerance to Treatment, and Subject Satisfaction With Clobex (clobetasol propionate) Spray, 0.05% When Used as Monotherapy or as Addon Therapy to Existing Systemic or Topical Antipsoriatic Agents for the Treatment of Moderate to Severe Plaque Psoriasis." Galderma Laboratories, L.P., January 2006-April 2006

Principal Investigator: Moore, A., A Clinical Evaluation of Tazorac (tazarotene) Cream 0.1% indicated for the topical treatment of patients with acne vulgaris, who do not want to or are unable to participate in the IPLEDGE Program. Allergan, July 2006-October 2006

Principal Investigator: Moore, A., "Protocol BPI-06-001: A Prospective Double-Arm, Multicenter, Open label Phase IV Evaluation of the safety and efficacy of the use of Solaraze Gel in the treatment of AK lesions post cryosurgery." Doak Dermatologics., April 2006-October 2006

Principal Investigator: Moore A., "Protocol #20040171: A Multicenter, Open-label, Pilot Trial to Evaluate the Effectiveness and Safety of ENBREL in Combination with Narrowband UV-B Phototherapy for the Treatment of Psoriasis," Omnicare/Amgen, September, 2005

Principal Investigator: Moore A., "Protocol ACD3101g, Raptiva Epidemiologic Study of Psoriasis Outcomes and Safety Events in patient with Moderate to Severe Plaque Psoriasis (RESPONSE)," Genentech, July 2005

Principal Investigator: Moore A., "Protocol # 04-0-207, A Phase 3, Long –Term, Open Label Study to Evaluate the Safety of Twice Daily 0.1% Tacrolimus Cream in the Treatment of Psoriasis." Astellas Pharma US, September 2005 – August 2006.

Principal Investigator: Moore A. "Protocol 1520-IMIQ-19 Open-label Safety and Pharmacokinetic Study of Aldara 5% Cream for the Treatment of Contiguous and Non-contiguous Actinic Keratosis." 3M Pharmaceuticals. June, 2005 – May, 2007

Principal Investigator: Moore A. "Protocol FHI 03-0-161/FG-506-06-37, A Prospective Pediatric Longitudinal Evaluation to Assess the Long-Term Safety of Tacrolimus Ointment for the Treatment of Atopic Dermatitis - APPLES" Astellas, A 10-year study to start in October, 2005 - Present

Principal Investigator: Moore A. "Protocol 20050111: An Open-label Extension Study to Evaluate the Safety of Etanercept in Pediatric Subjects with Plaque Psoriasis." Amgen, July 2005 – Jul., 2007

Principal investigator: Moore A. "Protocol 20030211: Placebo-controlled Multicenter Study with Etanercept to Determine Safety and Efficacy in Pediatric Subjects with Plaque Psoriasis." Amgen. Jan, 2005-2006.

Principal investigator: Moore A. "Protocol CSFO327 2301, A randomized, investigator blinded, active-controlled, parallel-group study to compare the efficacy and safety of 6-week treatment with terbinafine new pediatric formulation versus 6-week treatment with griseofulvin pediatric suspension in children with Tinea capitis." Novartis Pharmaceuticals, Feb. 2005-2006

Principal investigator: Moore A. "Protocol 03-0-166: A Phase 3, Randomized, Double-Blind Study Comparing Twice Daily Tacrolimus Cream 0.03% Versus Cream Vehicle in the Treatment Of Atopic Dermatitis In Pediatric Subjects." Fujisawa Healthcare, Inc., Aug. 2004-Nov., 2004.

Principal investigator: Moore A. "Protocol 1502-IMIQ: Phase 3b, Open-labeled Efficacy and Safety Study of Imiquimod 5% Topical Cream in the Treatment of Actinic Keratosis." 3M, April, 2004-May 2007

Principal investigator: Moore A. "Community Based Trial of Metrogel and the Treatment of Rosacea: CLEAR Study. Protocol GL1-04-SPR-0204001" Galaderma, April, 2004- Oct. 2004

Principal investigator: Moore A. "Amgen Protocol 200030190- EASE Study: A Multicenter, Openlabeled, Prospective Study to Evaluate the Effectiveness and Safety of Etanercept in the Treatment of Subjects with Psoriasis." Amgen, 2004-2005.

Principal investigator: Moore A. "A 26-week, randomized, multicenter, parallel-group, double-blind, vehicle-controlled study to evaluate the incidence of atopic dermatitis flares when ASM981 pimecrolimus) cream 1% is used at the first signs and/or symptoms of atopic dermatitis and it's safety and tolerability in adults 18 years of age and older." Novartis. Dec, 2003-2004.

Principal investigator: Moore A. "ACD2782g: A Phase IIIB, Open Label, Multicenter Study to Evaluate the Safety of 1.0 mg/kg Subcutaneously Administered Efalizumab In Adults with Moderate to Severe Plaque Psoriasis Including Those Who Are Receiving Concomitant Antipsoriatic Therapies or Have Recently Transitioned from Systemic Therapies." Genentech. 2003-2004.

Principal investigator: Moore A. "Assessment and Tracking of Long-Term Alefacept (LFA-3/IgG1 Fusion Protein) Safety (ATLAS)." Biogen. 2003 - 2012

Principal investigator: Moore A. "Amgen Protocol 20030106: Experience Diagnosing, Understanding Care, and Treatment with ENBREL in Psoriatic Arthritis," 2003-2004.

Principal investigator: Moore A. "Prospective Investigation Gauging Melasma REduction with a New Treatment: A Multicenter, Community-Based Trial to Assess the Efficacy and Safety of Tri-LumaTM Cream in the of Facial Melasma using fluocinolone acetonide (0.01%), hydroquinone (4%), tretinoin (0.05%)". Galaderma. 2002-2003

Principal investigator: Moore A. "Aberrant Promotor Methylation Profiles of Sporadic Cutaneous Carcinomas," 2001-2003.

Principal investigator: Moore A. "Efficacy of Topical Ciclopirox for Tinea Pedis," 2000-2001.

Principal investigator: Moore A. "Loss of Heterozygosity Analysis of Cutaneous Melanoma Cells Acquired by Laser Capture Microdissection," 1999-2002.

Principal investigator: Moore A. "Safety and Efficacy of Sequential Therapy with Topical Calcipotriene ointment 0.005% and Halobetasol Ointment 0.05% in Treatment of Plaque-Stage Psoriasis," 1999-2001.

Principal investigator: Moore A. "Safety and Efficacy of Topical Tazarotene Gel 0.1% in Facial Acne Vulgaris," 1999-2000.

Principal investigator: Dermatology Foundation Clinical Career Development Award: **Moore A**. "Predictors of Metastasis and Survival in Intermediate-Thickness Melanomas," 1999-2002.

Principal investigator: Skin Cancer Foundation Grant: **Moore A**. "Predictors of Metastasis and Survival in Intermediate-Thickness Melanomas," 1999-2000.

Principal investigator: Dermatology Foundation Research Grant: **Moore A.** "Predictors of Metastasis and Survival in Intermediate-Thickness Melanomas," 1999-2000.

Principal investigator: Yen A, Scheel M, Chen SW. "A Double-Blind, Placebo Controlled, Randomized Study of Venlafaxine Extended Release Capsules for the Treatment of Chronic Pain Associated with Post-Herpetic Neuralgia," 1997-2000.

Co- investigator: Skin Disease-Related Research Core Center Grant: Gazdar AF, **Moore A.** "Methylation Profiles of Tumor Suppressor Genes in Skin Cancers and in Sun Damaged Skin," 2002-2003.

Co-investigator: Smith EB, Yen A. "Safety and Efficacy of Once-Daily AGN 190168 0.1% Gel or 0.05% Gel Versus Vehicle Gel in Stable Plaque Psoriasis," 1993-94.

Co-investigator: Raimer S, **Yen A**. "Safety and Efficacy Study of Topically Applied Doxepin HCL (5%) Triamcinolone Acetonide (0.25%) Cream Combination Compared to Doxepin (5%) Cream and Triamcinolone Acetonide (0.025%) for the treatment of Pruritic Atopic Dermatitis," 1993-95

Co-investigator: Raimer SS, Yen A, McCoy D, Christian M. "A Randomized, Dose Finding, Double Blind Comparison of Topically Applied Tacrolimus vs. Vehicle in Pediatric Patients with Atopic Dermatitis," 1995-96.

Co-investigator: Tyring SK, **Yen A**, Cardenas VJ. "Detection of Viral DNA Associated with Various Skin Diseases," 1993-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Cidofovir Gel for the Treatment of Molluscum Contagiosum in Patients With HIV Infection," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Randomized, Double Blind, Placebo-Controlled, Efficacy and Safety Study of Oral Lobucavir in Patients with Recurrent Herpes Labialis," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-blind, Randomized, Placebo-Controlled, Study to Evaluate the Safety of SmithKline Beecham Biologicals' Herpes Simplex Candidate Vaccine (gD2t) with MPL and its Efficacy to Prevent Genital Herpes Disease in HSV Positive or Negative Consorts of Subjects with Genital Herpes Disease," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-Blind, Randomized, Placebo-controlled, Study to Evaluate the Safety of SmithKline Beecham Biologicals' Herpes Simplex Candidate Vaccine (gD2t) with MPL in HSV SeroPositive or SeroNegative Subjects without Genital Herpes Disease," 1997-1999.

Co-investigator: Tyring SK, **Yen A**, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-Masked, Double-dummy, Randomized, Acycovir-Controled, Parallel Group Study to Compare the Efficacy and Safety of Famciclovir with Acyclovir in the Treatment of Patients with Ophthalmic Zoster," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Randomized, Double blind, Placebo Controlled Efficacy and Safety Study of Oral Lobucavir in Patients with Recurrent Genital Herpes," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-Blind, Multicenter Study Comparing Valacyclovir with Famciclovir for the Treatment of Uncomplicated Herpes Zoster in Immunocompetent Patients 50 Years of Age and Older," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Phase I/II Study of the Safety and Efficacy of Topical 1-(s)-(3-Hydroxy-2-phosphonyl-methoxypropyl) Cytosine Dihydrate (HPMPC) (Cidofovir) in the Treatment of Condyloma Acuminatum in Patients with HIV Infection," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "An Open-Label Study to Evaluate Famciclovir in the Management of Acute Uncomplicated Herpes Zoster in Persons Infected with HIV," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "Open-Label Trial Evaluating the Percutaneous Penetration of Imiquimod 5 Cream (Formulation U-2e) Following Overnight Application Three-Times Per Week for the Treatment of Genital-Perianal Warts," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Comparison of oral Valtrex 500 mg Twice Daily for Three or Five Days for Treatment of Recurrent Genital Herpes," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Double-Blind, Randomized, Parallel Group, Multi-Center Study, to Compare the Safety and Efficacy of 10 Days of Oral Famciclovir 750 mg Three Times a Day with Oral Valacyclovir 1 g Twice a Day in Reducing the Frequency of Subsequent Lesional Recurrences of HSV-2 in Patients Following Treament of First Episode Genital HSV-2," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "Double-Blind, Placebo-Controlled Study Comparing the Combination of 15% SP-303 Gel with Acyclovir versus Acyclovir Alone for the Treatment of Recurrent Herpes Simplex Virus (HSV) Infections in Subjects with Acquired Immunodeficiency Syndrome (AIDS)," 1997-1999.

Co-investigator: Tyring SK, **Yen A**, Lee P, Chopra K, Glidden A, Trizna Z. "An Open Label Study to Evaluate the Effects of Chemical and Mechanical Methods of Skin Preparation Prior to Application of EMLA® Cream on the Absorbtion of Lidocaine and Prilocaine and on the Effectiveness of EMLA® Cream," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Chopra K, Glidden A, Trizna Z. "A Randomized Double-Blind, Double-Dummy Study to Assess the Efficacy and Safety of Oral Famciclovir for the Suppression of Recurrent Genital Herpes," 1997-1999.

Co-investigator: Tyring SK, Yen A, Lee P, Evans T, Severson J. "Double-Blind, Placebo-Controlled Study Comparing the Combination of 15% SP-303 Gel with Acyclovir versus Acyclovir Alone for the Treatment of Recurrent Herpes Simplex Virus (GHSV) Infection in Subjects with Acquired Immunodeficiency Syndrome (AIDS)," 1997-1999.

Co-investigator: Tyring Sk, Lee P, Severson J, Evans T, Yen A. "Valacyclovir Therapy of Shingles in Immunocompetent Patients," 1997-1999.

Co-investigator: Tyring Sk, Lee P, Severson J, Evans T, Yen A. "Valacyclovir Therapy of Shingles in Immunocompromised Patients," 1997-1999.

OTHER RESEARCH PROJECTS:

Principal investigator: Moore A. "Oral Bexarotene and Narrowband UVB Phototherapy in the Treatment of Moderate-to-Severe Plaque Psoriasis," 2001-2003.

Principal investigator: Moore A. "Safety and Efficacy of Topical Tacrolimus for Vitiligo," 2000-2003.

Principal investigator: Moore A. "Safety and Efficacy of Topical Tacrolimus for Psoriasis," 2000-2003.

Principal investigator: Moore A. "Safety and Efficacy of Topical Betamethasone Valerate Foam 0.12%," 2000-2002.

Principal investigator: Moore A. "Immunohistochemical Analysis of the Expression of CD 117 in Dermatofibrosarcoma Protuberans," 2000-2002.

Principal investigator: Moore A. "Safety and Efficacy of Topical Imiquimod for Molluscum Contagiosum in Adults and Children," 1998-1999.

Principal investigator: Yen A, Sanchez RL. "Differentiation between Irritated Seborrheic Keratosis and Bowen's Disease With the Immunohistochemical Stains bcl-2 and p53," 1996-present.

Principal investigator: Yen A, Wagner RL, Moore T. "Effective Undermining and Fat Removal on Cone Defects Secondary to Linear Excisions," 1997-1999.

Co-investigator: Sanchez RL, Meyer W, Yen A, Herndon DN, Thompson, Hawkins H."The Assessment of Mediators of Itching in Severely Burned Children: A Pilot Study." 1996-1999.

Principal investigator: Yen A, Walker D, Milligan T, Fergie J, Cardenas V Jr. "Typhus Infections: Diagnosis by Immunohistology and Polymerase Chain Reaction," 1995-1999.

Principal investigator: Yen A, Novartis Corporation, (Sandoz), "A Two-Arm, Double-Blind, Randomized, Parallel Group to compare Two Doses (500 mg vs. 1,000 mg) of Lamisil in Subjects with Cutaneous or Lymphocutaneous Sporotrichosis During a Treatment Period of up to 6 months Maximum, with a 6 Month Follow-Up." Protocol SFS 255-E-00 IRB #96-056.

Principal investigator: Yen A, Fujisawa, USA, "A Randomized, Dose-Finding, Double-Blind Comparison of Topically Applied Tacrolimus vs. Vehicle in Pediatric Patients with Atopic Dermatitis" Protocol 95-0-003 IRB #95-308

Principal investigator: Yen A, Raimer SS,. GenDerm Corporation, "Safety and Efficacy Study of Topically Applied Doxepin HCL (5%)/Triamcinolone Acetonide (0.025%) Cream Combination to Doxepin (5%) Cream, Triamcinolone Acetonide (0.025%) Cream, and Vehicle Cream for the Treatment of Pruritic Atopic Dermatitis" OSP #93-254, 1993

Principal investigator: Yen A, Raimer SS, Brysk M, Rajaraman S, Smith EB, Cardenas V. "Treatment of Wounds and Ulcers with Autologous Tissue Grafts and Different Dressings", 1993-96.

Principal investigator: Yen A, Brysk M: Investigated the in vitro viability of epidermal cells upon the purified Acetobacter xylinum cellulose pellicle, 1993-94.

Co-investigator: Yen A, Brown M: Investigated the extrusion site as well as the nearby cell wall pore proteins and periplasmic particles of a unique cellulose by the G(-) bacterium Acetobacter xylinum through molecular distillation (in conjunction with Dr. Livesey and Dr. Linner in Houston), 1987-88.

Co-investigator: Yen A, Campion A: Utilization of Raman spectroscopy in investigating the interfacial interactions between the insulator polyamide and the semiconductor silicon, 1986.

Co-investigator: Yen A, Sanders B: Charting the Immunosuppression of Chickens with Avian Erythroleukemia Virus (AEV) utilizing PHA, concavalin A, and Pokeweed Mitogens, 1986.

PUBLICATIONS:

Book:

- 1. Tyring SK, **Yen-Moore A**, Eds. <u>Mucocutaneous Manifestations of Viral Diseases</u>. New York: Marcel Dekker, Inc., 2002.
- 2. Tyring SK, Lupi O, **Yen-Moore A**, Eds. <u>Mucocutaneous Manifestations of Viral Diseases</u>, 2nd Edition. New York: Marcel Dekker, Inc., 2010.

Manuscripts:

- 1. **Yen A**, Brown BM. "Lattice Images and diffraction patterns of hercules graphite crystals by TEM after enhancement by a digital image processor" for Hercules, Inc., 5/88.
- 2. **Yen A**, Tschen J, Robison D. "Multiple tender, erythematous subcutaneous nodules on the lower extremities" (Case report on membranous fat necrosis). Arch Derm 1993; 129(10): 331-36.
- 3. Yen A, Tschen J, Lowry L, Wolf J.E. "Calcifying panniculitis and systemic calciphylaxis in an end-stage renal patient." Cutis 1993; 51(4): 245-47.
- 4. Friedman LC, Bruce S, Wineberg A, Cooper HP, **Yen A**, Hill M. "Early detection of skin cancer: racial/ethnic differences in behaviors and attitudes". J Canc Educ 1994; 9:42-47.
- 5. **Yen A**, Bell T, Brysk H, Rajaraman S, Brysk M. "Predesquamin extends maturation of cultured keratinocytes," Exp Cell Res 1994; 213:305-307.
- 6. **Yen A**, Knipe RC, Tyring SK. "Primary cutaneous blastomycosis: report of a case acquired by direct inoculation of a bullous pemphigoid lesion." J Am Acad Derm 1994; 31:277-278.
- 7. Yen A, Black H, Tschen J. "Effect of dietary omega-3 and omega-6 fatty acid sources on puvainduced cutaneous toxicity and tumorigenesis in the hairless mouse" Arch Dermatol Res 1994; 286:331-336.
- 8. **Yen A**, Grau-Massanes M, Sanchez R, Smith EB. "Elastoderma: a clinical mimic of acquired cutis laxa." J Am Acad Derm 1995;33:389-92.
- 9. Rady PL, **Yen A**, Rollefson JL, Orengo I, Bruce S, Hughes TK, Tyring SK. "Herpesvirus-like DNA sequences in Kaposi's and non-Kaposi's skin lesion of transplant patients." Lancet 1995;345:1339-1340.
- 10. Rady PL, **Yen A**, Martin III RW, Nedelcu I, Hughes TK, Tyring SK. "Herpes-like DNA sequences in classic Kaposis sarcomas." J Med Virol 1995;47:179-183.
- 11. **Yen A**, Sanchez R, Oblender M, Raimer SS. "Leukemia cutis: Darier's sign in a neonate with acute lymphoblastic leukemia." J Am Acad Derm 1996;34:375-8.
- 12. Yen A, Raimer SS. "Multiple painful blue nodules." (glomangioma) Arch Derm

- 1996;132(6):703-08.
- 13. Grau-Massanes M, Raimer S, Colome-Grimmer M, Yen A, Sanchez, R. "Congenital smooth muscle hamaratoma presenting as a linear atrophic plaque" J Pedi Derm 1996;13(3):222-5.
- 14. **Yen A**, Cooper P, Weinberg A, Jackson M, Bruce S. "Workplace skin cancer screening after prescreening questionnaires" Skin Cancer 1996; 11(2): 163-172.
- 15. Arany I, **Yen A**, Tyring SK. "p53, WAF1/CIP1 and mdm2 expression in skin lesions associated with human papillomavirus and human immunodeficiency virus" Anticancer Research 1997;17(2):1-5.
- 16. **Yen A**, Fearneyhough P, Raimer SS, Hudnall SD. "EBV-Associated Kikuchi's histiocytic necrotizing lymphadenitis with cutaneous manifestations" J Am Acad Dermatol 1997;36:342-6.
- 17. **Yen A**, Tschen J, Raimer S. "Mid-dermal elastolysis: report of a case in an adolescent following lesions resembling granuloma annulare" J Am Acad Derm 1997;37:870-2.
- 18. Yen A, Fearneyhough, Rady P, Tyring S, Diven D. "Erythema Induratum of bazin as a tuberculid: confirmation of mycobacterium tuberculosis DNA polymerase chain reaction analysis" J Am Acad Dermatol 1997;36:99-101.
- 19. **Yen A**, Sanchez RL, Fearneyhough P, Tschen J, Wagner R. "Mucoepidermoid carcinoma with cutaneous presentation" J Am Acad Derm 1997;37:340-2.
- 20. Payne D, **Yen A**, Tyring SK. "Coinfection of molluscum contagiosum with human papillomavirus" J Am Acad Dermatol 1997;36:641-644.
- 21 **Yen A**, McMichael A, Kilkenny M, Rotstein H. "Mycosis fungoides: an Australian experience" Austr J Dermatol 1997; 38: (Suppl.) S86-S90.
- 22. **Yen A**, Rady PL, Cortes-Franco R, Tyring SK. "Detection of mycobacterium tuberculosis DNA in erythema induratum of bazin using polymerase chain reaction" Arch Dermatol 1997;133:532-533.
- 23. **Yen A**, Sanchez RL, Raimer SS. "Papular mucinosis associated with acquired immunodeficiency syndrome: response to isotretinoin" J Am Acad Derm 1997;37:127-8.
- 24. Apisarnthanarax N*, Payne D, Yen A, Tyring SK. "Failure to detect human papillomavirus in cutaneous molluscum contagiosum lesions" Anticancer Research, 17(6D):4781-2, 1997.
- 25. Memar OM*, Rady PL, Goldblum RM, Yen A, West AB, Tyring SK. "Detection of human herpesvirus-8 in blistering skin from patients with pemphigus" Arch Dermatol 1997; 33:1247-51.
- 26. Rady PL, Hodak E, **Yen A**, Memar O, , Trattner A, Feinmesser M, David M, Hudnall SD, Tyring SK. "Detection of human herpesvirus-8 DNA in Kaposi's sarcomas from iatrogenically immunosuppressed patients" J Am Acad Derm 1998;38:429-37.

- 27. Moore TO*, **Moore A Yen**, Langer M, Wagner RF. "Tumor remnants within giant cells following irradiation of cutaneous squamous cell carcinoma" Dermatologic Surgery, 24(10):1094-6, 1998.
- 28. Brown T*, **Yen A**. "Isolation of mycobacterium avium complex from erythema multiforme" J Am Acad Derm, 39(3):193-5, 1998.
- 29. Brown, T.J., **A. Yen-Moore**, and S.K. Tyring. An overview of sexually transmitted diseases Part I (bacterial STDs). *J. Am. Acad. Dermatol.* 41:511-529; 1999.
- 30. Brown, T.J., **A. Yen-Moore**, and S.K. Tyring. An overview of sexually transmitted diseases Part II (viral STDs). *J. Am. Acad. Dermatol.* 41:661-677; 1999.
- 31. Waguespack-Labiche J*, Chen SH*, **Yen A**. "Disseminated congenital candidiasis in a premature infant" Arch of Dermatol, 135(5):510-2, 1999.
- 32. Czelusta A*, **Moore A Yen**. "Cutaneous mycobacterium kansasii infection in a patient with SLE: Case Report and Review." J Am Acad Dermatol, 40(2 Pt 2):359-63, 1999.
- 33. Czelusta AJ, **Yen-Moore A**, Evans TY, Tyring SK. "Sexually transmitted diseases." J Am Acad Dermatol, 41:614-23, 1999.
- 34. Czelusta, A., **A. Yen-Moore**, M. Vander Straten, D. Carrasco, and S.K. Tyring. An overview of sexually transmitted diseases Part III. Sexually transmitted diseases in HIV infected patients. *J. Am. Acad. Dermatol.* 43:409-432; 2000.
- 35. **Yen-Moore**, **A.**, S.D. Hudnall, P.L. Rady, R.F.Wagner, T.O. Moore, O. Memar, T.K. Hughes, and S.K. Tyring. Differential expression of the HHV-8 vGCR cellular homolog gene in AIDS-associated and classic Kaposi's Sarcoma: Potential role of HIV-1 Tat. *Virology* 267:247-251; 2000.
- 36. **Yen-Moore**, **A.**, M. Vander Straten, D. Carrasco, T.Y. Evans, and S.K. Tyring. Cutaneous viral infections in HIV-infected individuals. *Clinics in Dermatology*. 18:423-432; 2000.
- 37. Stambaugh HL*, Chen SW*, **Yen A**. "Staphylococcal scalded skin syndrome in adults: case report and review" submitted for publication, J Am Acad Derm, 2000.
- 38. **Yen A**, Rady PL, Rollefson JL, Orengo I, Bruce S, Hughes TK, Tyring SK. "Prevalence of HPV, EBV, and human herpes virus 8 in proliferative lesions and carcinomas from organ transplant patients and in Kaposi's sarcoma" submitted for publication, Arch Dermatol, 2000.
- 39. **Yen A**, Rady PL, Wagner Jr R, Memar O, Tyring SK. "Detection of HHV-8 transcription in cutaneous carcinomas from immunocompetent patients." submitted for publication, Arch Dermatol, 2000.
- 40. **Yen-Moore A**. Vander Straten M. Carrasco D. Evans TY. Tyring SK. "Cutaneous viral infections in HIV-infected individuals." *Clinics in Dermatology*. 18(4):423-32, 2000.

- 41. Moore, T. O.*, **A. Yen-Moore**, D. Carrasco, M. Vander Straten, I. Arany, W. Au, and S.K. Tyring. "Human papillomavirus, smoking and cancer." *J. Cutan. Med. Surg.* 5:323-328; 2001.
- 42. Christian MM*. Moy RL. Wagner RF. **Yen-Moore A**. A correlation of alpha-smooth muscle actin and invasion in micronodular basal cell carcinoma. *Dermatologic Surgery*. 27(5):441-5, 2001.
- 43. Maitra A*, Gazdar AF, Moore TO, **Moore AY**. "Loss of Heterozygosity Analysis of Cutaneous Melanoma and Benign Melanocytic Nevi: Laser Capture Microdissection Demonstrates Clonal Genetic Changes in Acquired Nevocellular Nevi." Hum Pathol. 2002 Feb;33(2):191-7.
- 44. Moore TO*, **Moore AY**. "Fournier's gangrene: A dermatologic emergency" submitted for publication.
- 45. Czelusta A*, **Moore A Yen**. "Cytophagic histiocytic panniculitis presenting with cutaneous and pulmonary involvement" submitted for publication.
- 46. Moore TO*, **Moore AY**, Wagner RF. "Removal of Burrow's triangles compared with lipoplasty for correction of cone defects during closure of linear excisions." in progress.
- 47. **Yen A**, Austin P, Sanchez RL. "Is bowenoid seborrheic keratosis a form fruste of squamous cell carcinoma in situ?" in progress.
- 48. Ubaradka G. Sathyanarayana, **Angela Yen Moore,** Lin Li, Asha Padar,Kuntal Majmudar, Victor Stastny, Prakash Makarla,Makoto Suzuki, John D. Minna,Ziding Feng, and Adi F. Gazdar, "Sun Exposure Related Methylation in Malignant and Non-Malignant Skin Lesions," Submitted to Clinical Cancer Research, October, 2005
- 49. Tyring, Stephen; Berger, Tim; **Yen-Moore, Angela**; Tharp, Michael; Hamed, Kamal, "Single-Day Therapy for Recurrent Genital Herpes" *American Journal of Clinical Dermatology*, Volume 7, Number 4, 2006, pp. 209-211.
- 50. **Moore A**, Gordon KB, Kang S, Gottlieb A, Freundlich B, Xia HA, Stevens SR. "A Randomized, Open-Label Trial Of Continuous Versus Interrupted Etanercept Therapy In The Treatment Of Psoriasis," *Journal of the American Academy of Dermatology*, April 2007 Vol. 56, Issue 4, Pages 598-603.
- 51. Sathyanarayana, Ubaradka G., **Moore Angela Yen**, Li, Lin, Padar, Asha, Majmudar, Kuntal, Stastny, Victor, Makarla, Prakash, Suzuki, Makoto, Minna, John D., Feng, Zinding, Gazdar, Adi F. "Sun Exposure Related Methylation in Malignant and Non-malignant Skin Lesions" *Cancer Letters* 245 (2007) 112-120.
- 52. **Moore AY**: Clinical applications for topical 5-fluorouracil in the treatment of dermatological disorders. *J Dermatolog Treat*; 2009;20(6):328-35

- 53. **Moore, A**; Richardson, Blakely. "Long-Term Use of Adalimumab in the Treatment of Moderate to Severe Plaque Psoriasis: A Review of the Literature," *Dove Press Journal: Clinical, Cosmetic and Investigational Dermatology*, April 17, 2010
- 54. J. Fowler, M. Jarratt, **A. Moore**, K. Meadows, A. Pollack, M. Steinhoff, Y. Liu and M. Leoni, on behalf of the Brimonidine Phase II Study Group. "Brimonidine tartrate in the treatment of erythema of rosacea," British Journal of Dermatologists 2012 (166), Therapeutics, pp633-641.
- 55. Moore A, Kempers S, Murakawa G, Weiss J, Tauscher A, Swinyer L, Liu H, Leoni M on behalf of the Brimonidine LTS study group. "Long-term safety and efficacy of once-daily topical brimonidine tartrate gel 0.5% for the treatment of moderate to severe facial erythema of rosacea: results of a 1-year open-labeled study. Journal of Drugs in Dermatology 2014, 13(1):611-616.
- 56. Anu Reema Lamba MD*, **Angela Moore MD**, Jennifer Rhees, Mildred Arnold, C. Richard Boland MD. "Defective DNA mismatch repair activity is common in sporadic sebaceous neoplasms, and an ineffective approach to screen for Lynch syndrome." Submitted for publication at Digestive Disease Week 2014.
- 57. J.M. Jackson, J. Fowler, **A. Moore**, M. Jarratt, T. Jones, K. Meadows, M. Steinhoff, D. Rudisill, M. Leoni on behalf of the Brimonidine Phase III Study Group. Improvement in facial erythema within 30 minutes of initial application of brimonidine tartrate in patients with rosacea. Submitted for publication at Journal of Drugs in Dermatology, 2014.
- 58. Lana Tong*, **Angela Yen Moore**. "Sansrosa (brimonidine tartrate) for the treatment of rosacea", for Expert Review of Clinical Pharmacology, pending publication, 2014.
- 59. **Angela Moore**, Mark Ling, Alicia Bucko, Joyce Hwa, Susan Qi, Vasant Manna. "Efficacy and safety of subantimicrobial dose, modified-release doxycycline 40 mg vs doxycycline 100 mg vs placebo for the treatment of inflammatory lesions in moderate and severe acne A randomized, double-blinded, controlled study." Submitted for publication, 2014. in-training
- 60. **Angela Moore**, "Improved, Rosacea-associated Quality of Life is Reported by Subjects in a Long-term Use Study of Once-daily Brimonidine Gel 0.33% That Decreased Basal Erythema Levels" 2016 Hawaii Derm
- 61. A randomized, open-label trial of continuous versus interrupted etanercept therapy in the Treatment of psoriasis. Moore, A., Gordon, K.B., Kang, S., Gottlieb, A., Freundlich, B., Xia, H.A., Stevens, S.R. Journal of The American Academy of Dermatology volume 56, Issue 4, year 2007, pp. 598-603
- 62. J Med Virol. 2016 Dec 12. doi: 10.1002/jmv.24750. [Epub ahead of print] FV-100 versus valacyclovir for the prevention of post-herpetic neuralgia and the treatment of acute herpes zoster-associated pain: A randomized- controlled trial. Tyring SK1, Lee P2, Hill GT Jr3, Silverfield JC4, Moore AY5, Matkovits T6, Sullivan-Bolyai J6.

Abstracts and Letters:

- 1. Yen A, Lotzova E. "Cytotoxic & growth profiles of natural killer cells," (Abstract) Summer Student '85 Research Programs at the MD Anderson/ UT Houston Cancer Center, 1985.
- 2. **Yen A**, Raimer SS. "Occlusion of Potent Topical Steroids." (Letter) Arch Dermatol 1995;131:227.
- 3. **Yen A**, Sanchez RL, Diven D. "Erythema induratum as a tuberculid" (Abstract) Southern Medical Journal 1995;S32:88.
- 4. Tyring, S.K., P. Rady, A. Yen, and T.K. Hughes. HHV8 and skin cancers in immunosuppressed patients. *Lancet* 347:339; 1996
- 5. **Yen A**, Rady PL, Hudnall SD, Sellers R, Wagner R, Orengo I, Bruce S, Tyring SK. "Prevalence of human herpesvirus 8 in cutaneous neoplasms". (Abstract) J Invest Med 1996;44(1);51A.
- 6. **Yen A**, Rady PL, Hudnall SD, Sellers R, Wagner R, Orengo I, Bruce S, Tyring SK. "Prevalence of human herpesvirus 8 DNA in Kaposi's sarcoma, carcinomas, and post-transplant squamous lesions." (Abstract) J Invest Dermatol 1996;106(4):844.
- 7. Sanchez RL, Yen A. (Letter) "Elastoderma". J Am Acad Derm 1996;34(6):1093.
- 8. Rady PL, Hodak E, **Yen A**, Hudnall SD, Trattner A, Feinmesser M, David M, Gaspari AA, Memar O, Tyring SK. "Detection of HHV-8 DNA in Kaposi's sarcomas from immunosuppressed patients." (Abstract) JAIDS and HR 1997;14(4):A23.
- 9. **Yen A**, Austin P, Sanchez RL. "Is bowenoid seborrheic keratosis a form of squamous cell carcinoma in situ?" (Abstract) J Cut Pathol 24 (2): 133; 1997.
- 10. Memar, O.M., P.L. Rady, R.M. Goldblum, A.B. West, **A. Yen**, and S.K. Tyring. Human herpesvirus 8 DNA sequences in a patient with pemphigus vulgaris, but without HIV infection or Kaposi's sarcoma. *J. Invest. Dermatol.* 108:118-119; 1997.
- 11. **Yen A**, Austin P, Sanchez RL. "Is bowenoid seborrheic keratosis a form fruste of squamous cell carcinoma in situ?" (Abstract) Dermatol Surg 1997;23:669-72.
- 12. **Yen A**, Rady P, Memar O, Hodak E, Trattner A, Feinmesser M, David M, Tyring SK. "Human herpesvirus 8 (HHV-8) in cutaneous malignant and autoimmune lesions: sequence variability of HHV-8 DNA in Kaposi's sarcoma, squamous carcinomas, and pemphigus" (Abstract) Australasian J Derm 1997;38(Supp 2):22-23.
- 13. **Yen A**, Rady PL, Moore TO, Tyring SK. "Human herpesvirus 8 (HHV-8) cellular homologue genes in Kaposi's sarcoma" (Abstract) J Invest Dermatol 1998;110(4): 484.
- 14. Rady, P.L., S.D. Hudnall, **A. Yen**, T.K. Hughes, and S.K. Tyring. Expression of human herpesvirus 8 (HHV-8) cellular homologue genes in classic and AIDS related Kaposi's sarcomas.

- (Abstract) J. AIDS & H.R. 17:A21; 1998.
- 15. **Moore AY**. "Active transcription of human herpevirus 8 cellular homologue genes and HIV-1 tat in various form with Kaposi's sarcosis." J Am Acad Dermatol, 1999;41(3 Pt 1):458-9.
- 16. Chiles LR. Christian MM. McCoy DK. Hawkins HK. **Yen AH**. Raimer SS. "Langerhans cell histiocytosis in a child while in remission for acute lymphocytic leukemia." *Journal of the American Academy of Dermatology*. 45(6 Suppl):S233-4, 2001.
- 17. Moore TO*, McCarty T, Kuhn J, Maitra A, Gazdar A, **Moore AY**. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma After Laser Capture Microdissection" *Ann Surg Oncol*, 2002;9(1):S36.
- 18. Mei-shu Li, Ajay Goel, **Angela Moore**, Todd Moore, and C. Richard Boland, "Mutational Signatures of Abnormal DNA Mismatch Repair (MMR) in Sebaceous Neoplasms." (Abstract), Joint ASCO, AGA, ASTRO, and SSO Meeting on GI Cancers, San Francisco, January, 2006.
- 19. Fowler J, Jarratt M, **Moore A** et al. "Once-daily topical brimonidine tartrate gel 0.5% is a novel treatment for moderate to severe facial erythema of rosacea: results of two multicentre, randomized and vehicle-controlled studies." *Br J Dermatol* 2012;166:633-41.
- 20. Fowler J Jr, Jackson M, **Moore A** et al. "Efficacy and safety of once-daily topical brimonidine tartrate gel 0.5% for the treatment of moderate to severe facial erythema of rosacea: results of two randomized, double-blind, and vehicle-controlled pivotal studies." *J Drugs Dermatol* 2013;12:650-6.
- 21. **Moore A,** Kempers S, Murakawa G et al. Long-term safety and efficacy of once-daily topical brimonidine tartrate gel 0.5% for the treatment of moderate to severe facial erythema of rosacea: results of a 1-year open-label study. *J Drugs Dermatol* 2014;13:56-61.
- 22. J. Mark Jackson MD, Joseph Fowler MD, **Angela Moore MD**, Michael Jarratt MD, Terry Jones MD, Kappa Meadows MD, Martin Steinhoff MD, Diane Rudisill BSc, and Matthew Leoni MD on behalf of the Brimonidine Phase III Study Group, "Improvement in Facial Erythema Within 30 Minutes of Initial Application of Brimonidine Tartrate in Patients With Rosacea." *Journal of Drugs in Dermatology*, June 2014.

Chapters:

- 1. **Yen A**. "Scleredema." Demis DJ, Thiers BH, Burgdorf WH, Raimer SS. (Eds) Clinical Dermatology. JB Lippincott Co: Philadelphia, 1997,(2) 8-17:1-4.
- 2. **Yen A**, Tyring SK. "Tumor-Stromal Interactions in Cutaneous Carcinogenesis." Miller SJ, Maloney ME (Eds) Cutaneous Oncology: Pathophysiology, Diagnosis and Treatment. Blackwell Science, Inc: Cambridge, 1998, 98-104.
- 3. **Yen A**, Hudnall SD. "Kikuchi's Syndrome." Demis DJ, Thiers BH, Burgdorf WH, Raimer SS (Eds) Clinical Dermatology. J B Lippincott Co: Philadelphia, 1997,(3) 14-24:1-5.

- 4. **Yen-Moore, A.,** R. Vinik, and **S.K. Tyring.** Human papillomavirus transmission and epidemiology patterns. <u>In</u>: *Proceedings of the Fourth International Multidisciplinary Congress: Eurogin 2000*. Ed.: J. Monsonego. Monduzzi Editore, Bologna, Italy, pp. (suppl.) 6-17; 2000.
- 5. Yen-Moore, A., and S.K. Tyring. Cutaneous warts. <u>In:</u> *Human Papillomaviruses: Clinical and Scientific Advances.* Eds.: J.C. Sterling and S.K. Tyring. Oxford University Press, London, U.K. pp. 52-59; 2001.
- 6. Walling DM, Yen A, Hudnall SD. "Epstein-Barr Virus." Tyring SK. (Ed) Cutaneous Manifestions of Viral Diseases. W.B. Saunders Co: Philadelphia, 2006.
- 7. Brown, T., A. Yen-Moore, and S.K. Tyring. Herpes virus 7. <u>In:</u> *Mucocutaneous Manifestations of Viral Diseases.* Ed.: S.K. Tyring. Marcel Dekker, New York, 2006.
- 8. Brown, T., A. Yen-Moore, and S.K. Tyring. Herpes virus 8. <u>In:</u> *Mucocutaneous Manifestations of Viral Diseases.* Ed.: S.K. Tyring. Marcel Dekker, New York, 2006.
- 9. **Yen A**. "Chapter XVIII: Sebaceous Gland Tumors, Eccrine Gland Tumors, Apocrine Gland Tumors." Sanchez RL, Raimer SS (Eds) Dermatopathology Primer. 2006.
- 10. Severson J*, Yen A. "Viral Diseases in Dermatology: An Update" Rakel RE (Eds) Conn's Current Therapy. W. B. Saunders Co: Philadelphia. (2007).
- 11. Yen Moore, A. "Common warts" for Point of Care | Best Practice BMJ, 2013.
- 12. Yen Moore, A. "Common warts" for *Point of Care | Best Practice* BMJ, 2014.
- 13. **Yen Moore**, A., Tong, L.X., Moore, T. "Management of Human Papillomavirus-Related Anal and Colon Cancer" in Human Papillomavirus: Bench to Bedside. Curr Probl Dermatol. Editors: Ramírez-Fort, MK, Khan, F, Rady PL, Tyring, SK (eds). Basel, Karger, 2014, vol 45, pp 225-235.
- 14. **Yen Moore, A.** "Common warts" for <u>Point of Care</u> / <u>Best Practice</u> BMJ, 2015.
 * in-training

PRESENTATIONS:

Invited Presentations

- 1. Rady P, Yen A, Bruce S, Hughes TK, Tyring SK. "HHV-8/KSHV DNA sequences in Kaposi's and non-Kaposi's skin lesions of transplant patients" at the Annual Meeting of the Laboratory of Tumor Cell Biology of the NCI, August, 1995.
- 2. Yen A, Raimer SS. "Case Report and Review of Kikuchi's Histiocytic Necrotizing Lymphadenitis" at Xian Medical School, Xian, China, October, 1995.

- 3. Yen A, Raimer SS. "Case Report and Review of Elastoderma: A Clinical Mimic of Acquired Cutis Laxa" at Xian Medical School, Xian, China, October, 1995.
- 4. Yen A, Raimer SS. "Case Report of Leukemia Cutis Presenting with Darier's Sign in an Infant with Acute Lymphoblastic Leukemia" at Xian Medical School, Xian, China, October, 1995.
- 5. Rady P, Hudnall SD, Hodak E, Trattner A, Feinmesser M, David M, Sellers R, Yen A, Memar O, Tyring SK. "Presence of Human Herpesvirus-8 DNA in Kaposi's sarcomas from Patients Treated with Corticosteroids" at the First International Kaposi's Sarcoma Meeting, Santa Monica, CA, May, 1996.
- 6. Rady P, Hodak E, Yen A, Hudnall D, Trattner A, Feinmesser M, David M, Sellers R, Memar O, Tyring SK. "HHV-8 DNA in Kaposi's Sarcomas from Patients Treated with Corticosteroids," at the Institute of Human Virology Annual Meeting, September, 1996.
- 7. Rady, P., S.D. Hudnall, A. Yen, T.K. Hughes, and S.K. Tyring. Frequency of human herpesvirus 8 (HHV-8) cellular homologue gene expression in Kaposi's sarcomas (KS) and BCBL-1 cells. Second Annual Meeting, Institute of Human Virology, Baltimore; Sept. 15-21, 1997.
- 8. Yen A. "Cutaneous Manifestations of Herpesviruses 4 Through 8" at the 19th World Congress of Dermatology, Sydney, Australia, June, 1997.
- 9. Yen A. "Human Herpesviruses" at the Texas Dermatological Society Meeting, Galveston, Texas, October, 1997.
- 10. Moore A. "Human Herpes Viruses" at The Global Partners 1999 Sino-American Medical Exchange Conference, Shenyang, China, June 1999.
- 11. Moore A. "Palisaded Granulomatous Dermatitis" at the 13th Combined Skin Pathology Course, Dallas, Texas, October, 1998.
- 12. Moore A. "Special Stains" at the 13th Combined Skin Pathology Course, Dallas, Texas, October, 1998.
- 13. Moore A. "Pitfalls in Malignant Melanoma Diagnosis" at the 13th Combined Skin Pathology Course, Dallas, Texas, October, 1998.
- 14. Moore A. "Pitfalls in the Diagnosis of Melanoma" at the 5th Annual Dermatopathology Review Course, Galveston, Texas, 1999.
- 15. Yen-Moore A. "Human Herpesviruses 4 through 8," American Academy of Dermatology, San Francisco, CA, March, 2000.
- 16. Moore, AY. "Skin cancer prevention and diagnosis" at the Health Symposium 2000, Arlington Cancer Research Foundation, Arlington, Texas, February, 2000.

17. Moore AY. "Basic Self-Assessment Course in Dermatopathology," American Academy of Dermatology, Washington DC, March, 2001.

International Presentations

- 1. Rady PL, Yen A, Rollefson JL, Orengo I, Bruce S, Hughes TK, Tyring SK. "Presence of human papillomavirus, Epstein Barr virus and Kaposi's sarcoma associated herpesvirus like DNA in skin lesions from organ transplant patients. 14th International Papillomavirus Conference in Quebec City, Canada, June, 1995.
- 2. Yen A, Fearneyhough P, Hudnall D, Raimer SS. "Kikuchi's Histiocytic Necrotizing Lymphadenitis" at the Third International Symposium on Cutaneous Fungal, Bacterial, and Viral Infection and Therapy Meeting, San Francisco, CA, September, 1995.
- 3. Rady PL, Yen A, Martin RW, Nedelcu I, Hughes TK, Orengo I, Bruce S, Tyring SK. "Herpes Virus-like DNA Sequences in Kaposi's and Non Kaposi's Skin Lesions", Third International Symposium on Cutaneous Fungal, Bacterial and Viral Infection and Therapy, San Francisco, CA, September, 1995.
- 4. Rady P, Hodak I, Yen A, Trattner A, Feinmesser M, David M, Memar OM, Tyring SK. "Presence of HHV-8 in Kaposi's Sarcomas from Iatrogenically Immunosuppressed Patients" at the Convergence of AIDS and Cancer Research, 1st International Conference of the Mor Kaposi Research Foundation, Budapest, Hungary, August, 1996.
- 5. Yen A, Rady P, Memar O, Hodak E, Trattner A, Feinmesser M, David M, Tyring SK. "Human Herpesvirus 8 (HHV-8) in Cutaneous Malignant and Autoimmune Lesions: Sequence Variability of HHV-8 DNA in Kaposi's Sarcoma, Squamous Carcinomas, and Pemphigus" at the 19th World Congress of Dermatology, Sydney, Australia, June, 1997.
- 6. Moore AY, Rady PL, Hudnall SD, Moore TO, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at the 1998 International Investigative Dermatology Meeting in Cologne, Germany, May, 1998.
- 7. Moore AY, Rady PL, Hudnall SD, Moore TO, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at Clinical Dermatology 2000 Singapore Meeting in Singapore, June, 1998.
- 8. Moore AY, Moore TO. "Human herpesviruses" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- 9. Moore TO, Yen-Moore A. "Fournier's Gangrene: A Dermatologic Emergency" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- 10. Moore TO, Yen-Moore A. "Nasopharyngeal Carcinoma: Role of Endoscopic Guided Resection" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.

- 11. Moore TO, Yen-Moore A. "Role of Sentinel Lymph Node Dissection in Intermediate-thickness Melanomas" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- 12. Angela Yen Moore, "Sun Exposure Related Methylation in Malignant and Non-Malignant Skin Lesions" the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 13. Angela Yen Moore, "Alefacept, Acitretin, and Narrowband UVB Combination Therapy for Plaque-Type Psoriasis Allows Faster Withdrawal and Shortens Onset of Action." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 14. Angela Yen Moore,"Alefacept and Low-Dose Acitretin Therapy for Inverse Psoriasis and Palmar/Plantar Psoriasis Shortens Onset of Action." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 15. Angela Yen Moore,"Alefacept and Narrowband UVB Combination Therapy for Psoriasis Shortens Onset of Action." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 16. Angela Yen Moore, "Etanercept and Narrowband UVB Combination Therapy for Plaque-Type Psoriasis Shortens Onset of Action in Both Adults and Children." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 17. Angela Yen Moore, "Low-Dose Acitretin Therapy in Combination with Biologic and Narrowband UVB Therapy for Psoriasis Subtypes in Adults and Children Increases Efficiency and Shortens Onset of Action Without Increased Side." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 18. Angela Yen Moore, "Viral Infections: Update on Herpes Simplex Viruses." the 64th Annual Meeting of the American Academy of Dermatology, San Francisco, Ca. Mar. 3-7, 2006.
- 19. Angela Yen Moore, "Imiquimod: Mechanism of Action and Application of Imiquiomod in Keloids,: Hangzhou, China, June, 2006.
- 20. Oral presentation on "Imiquimod (Aldara): Experience of a U.S. Dermatologist" Beijing, China, August, 2007.
- 21. Oral presentation on "Imiquimod (Aldara): Experience of a U.S. Dermatologist" Guangzhou, China, August, 2007.
- 22. Oral presentation on "Imiquimod (Aldara): Experience of a U.S. Dermatologist" Ningbo, China, August, 2007.
- 23. Oral presentation on "Imiquimod (Aldara):Experience of a U.S. Dermatologist" Nanjing, China, August, 2007.

- 24. Oral presentation on "Imiquimod (Aldara): Experience of a U.S. Dermatologist" Beijing, Nanjing and Guangzhou, China, August, 2007.
- 25. Oral presentation on "Experience with Dovobet by a U.S. Dermatologist" Beijing, China, August, 2007.
- 26. Oral presentation on "Experience with Dovobet by a U.S. Dermatologist" Ningbo, China, August, 2007.
- 27. Oral presentations with Dr. Stephen Tyring "An Update On The Treatment And Prevention Of Viral Diseases" And "Human Papillomaviruses: Viral Oncogenesis." Facultad de Ciencias Farmaceuticas y Bioquimicas (Faculty of Pharmacy and Biochemistry), Universidad Mayor de San Andres, La Paz, Bolivia, September 27, 2007.
- 28. Oral Presentation "Antiviral Therapies: State Of The Art, New Drugs And Vaccines" the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 29. Angela Yen Moore, "Short Contact Therapy With Topical 5-Fu And Cryosurgery For Actinic Keratoses" the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 30. Angela Yen Moore, "Alefacept And Low-Dose Acitretin Therapy For Inverse Psoriasis And Palmar/Plantar Psoriasis Shortens Onset Of Action" the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 31. Angela Yen Moore, "Alefacept, Acitretin, And Narrowband UVB Combination Therapy For Plaque-Type Psoriasis Allows Faster Withdrawal And Shortens Onset Of Action" the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 32. Angela Yen Moore, "Alefacept and Narrowband UVB Combination Therapy for Psoriasis Shortens Onset of Action" at the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 33. Angela Yen Moore, "Low-Dose Acitretin Therapy in Combination with Biologic and Narrowband UVB Therapy for Psoriasis Subtypes in Adults and Children Increases Efficacy and Shortens Onset of Action without Increased Side Effects," at the 21st World Congress of Dermatology, Buenos Aires, Argentina. September 30-October 5, 2007.
- 34. Oral presentation on "Antiviral therapies: state of the art, new drugs and vaccines" International Meeting Fronteiras da Dermatologia hosted by the Brazilian Society of Dermatology Officers, Rio de Janero, Brazil, October 7, 2007.
- 35. Oral presentation on "Virosis Emergentes" International Meeting XVII Congreso Iberolatinoamericano de Dematologia, Quito, Ecuador, October 10, 2008.
- 36. Oral presentation on "Update on HPV Treatments", Shell, Ecuador, October, 2008.

- 37. Oral presentation on "Update on Psoriasis Treatments", Shell, Ecuador, October, 2008.
- 38. Oral presentation on "Treatments for Vitiligo", Shell, Ecuador, October, 2008.
- 39. Oral presentations on "Current Management of Acne", Kunming, China, May, 2010.
- 40. Oral presentation on "Current Management of Atopic Dermatitis", Kunming, China, May, 2010.
- 41. Oral presentation on "Common Dermatoses and Differential Diagnosis", Kunming, China, May, 2010.
- 42. Oral presentation on "Clinicopathological Correlation of Inflammatory Disorders", Alert Hospital, Addis Ababa, Ethiopía, October, 2010.
- 43. Oral presentation on "Palisaded Granulomatous Dermatitis", Alert Hospital, Addis Ababa, Ethiopia, October, 2010.
- 44. Oral presentation on "Special Stains in Dermatopathology", Alert Hospital, Addis Ababa, Ethiopia, October, 2010.
- 45. Oral presentation on "New Advances in HSV and HPV Therapy", International Meeting XVIII Congreso Iberolatinoamericano de Dematologia, Cancún, Mexico, October, 2010.
- 46. Joseph Fowler Jr., Mark Jackson, Martin Steinhoff, Michael Jarratt, Terry Jones, Kappa Meadows, Angela Moore, Diane Rudisill, and Matthew Leoni, on behalf of the Brimonidine Phase III study group. Efficacy and safety of once-daily topical brimonidine tartrate gel 0.5% for the treatment of moderate to severe facial erythema of rosacea: results of two randomized, double-blind and vehicle-controlled pivotal studies. EADV. October, 2012.
- 47. Oral presentation on "Scaly Red Rashes: Pearls and Perils for PCP's," Ohrid, Macedonia, July 11, 2013.
- 48. Oral presentation on "Scaly Red Rashes: Pearls and Perils for Physicians," Bitola, Macedonia, July 12, 2013.
- 49. Angela Moore,1 Steven Kempers,2 George Murakawa,3 Jonathan Weiss,4 Amanda Tauscher,5 Leonard Swinyer,6 Hong Liu, 7 Matthew Leoni, 7 on behalf of the Brimonidine LTS study group. Long-term safety and efficacy of once-daily topical brimonidine tartrate gel 0.5% for the treatment of moderate to severe facial erythema of rosacea: results of a 1-year open-labeled study. EADV. October, 2013.
- 50. Secukinumab is efficacious in clearing moderate-to-severe scalp psoriasis: 12 week results of a randomized phase IIIb study, has been accepted for an oral presentation at EADV, September 28-October 2, 2016 in Vienna, Austria.

National Presentations

- 1. Yen A, Tschen J, Black H. "Effect of Dietary Omega-3 and Omega-6 Fatty Acid Sources on Induction of Inflammation and Ornithine Decarboxylase Activity in the Hairless by Psoralen and Longwave Ultraviolet Light at the Society of Investigative Dermatology Meeting in Baltimore, Maryland, April, 1992.
- 2. Oral presentation on "Predesquamin Extends Maturation of Keratinocytes" at the National Student Research Forum, Galveston, Texas, April, 1994.
- 3. Yen A, Bruce S. "Skin Cancer Screening at the Workplace: Prescreening Questionnaire Targeted at High Risk Patients" at the Summer American Academy of Dermatology Meeting at San Francisco, CA, August, 1994.
- 4. Yen A, Murphy C, Knipe RC, Tyring SK. "Primary Cutaneous Blastomycosis" at the Summer American Academy of Dermatology Meeting at San Francisco, CA, August, 1994.
- 5. Yen A, Brysk M, Brysk H, Bell T, Rajaraman S. "Predesquamin Extends Maturation of Cultured Keratinocytes" at the Summer American Academy of Dermatology Meeting at San Francisco, CA, August, 1994.
- 6. Oral presentation on "Effect of Dietary Omega-3 and Omega-6 Fatty Acid Sources on Induction of Inflammation and Ornithine Decarboxylase Activity in the Hairless Mouse by Psoralen and Longwave Ultraviolet Light" at the Summer American Academy of Dermatology Meeting at San Francisco, CA, August, 1994.
- 7. Oral presentation on "Elastoderma: A Clinical Mimic of Acquired Cutis Laxa" at the 53rd Annual American Academy of Dermatology Meeting at New Orleans, LA, February, 1995.
- 8. Oral presentation on "Effect of Dietary Lipids on PUVA Photocarcinogenesis in the Hairless Mouse" at the Residents and Fellows Research Symposium at the 53rd Annual American Academy of Dermatology Meeting in New Orleans, LA, February, 1995.
- 9. Oral presentation on "Workplace Skin Cancer Screening After Pre-Screening Questionnaires" at the National Student Research Forum at Galveston, Texas, April, 1995.
- 10. Oral presentation on "Leukemia cutis: Darier's sign in a Neonate with Acute Lymphoblastic Leukemia" at the Pediatric Dermatology Society Meeting, Vancouver, Canada, June, 1995.
- 11. Yen A, Fearneyhough P, Hudnall D, Raimer SS. "Cutaneous Manifestations of EBV-Associated Kikuchi's Disease" at the Pediatric Dermatology Society Meeting, Vancouver, Canada, June, 1995.
- 12. Yen A, Grau-Massanes M, Sanchez RL, Colume-Grimmer M, Raimer SS. "Congenital Smooth Muscle Hamartoma Presenting as a Linear Atrophic Plaque" at the Pediatric Dermatology Society Meeting, Vancouver, Canada, June, 1995.

- Rady, P.L., A. Yen, R.W. Martin, I. Nedelcu, T.K. Hughes, I. Orengo, S. Bruce, and S.K. Tyring. Herpesvirus-like DNA sequences in Kaposi's and non-Kaposi's skin lesions. Third International Symposium on Cutaneous Fungal, Bacterial, and Viral Infection and Therapy, San Francisco; Sept. 14-19, 1995.
- 14. Rady PL, Yen A, Martin RW, Nedelcu I, Hughes TK, Tyring SK."Herpesvirus-like DNA Sequences in Classic Kaposi's Sarcomas" at the Infectious Diseases Society of America, San Francisco, September, 1995.
- 15. Yen, A., P.L. Rady, A. Jones, R. Sellers, I. Orengo, S. Bruce, R. Wagner, Jr., and S.K. Tyring. Prevalence of HHV-8 in cutaneous neoplasms. Society for Investigative Dermatology, Southern Regional Meeting, New Orleans; Jan. 31-Feb. 2, 1996; J. Invest. Med. 44:51A; 1996.
- Yen A, Rady PL, Hughes TK, Orengo I, Bruce S, Wagner R, Tyring SK. "HHV-8 DNA Sequences in Skin Lesions of Immunocompromised and Immunocompetent Patients." at the 54th Annual American Academy of Dermatology, Washington, D.C., February, 1996.
- 17. Yen A, Fearneyhough P, Hudnall SD, Raimer S. "Cutaneous Manifestations of EBV-Associated Kikuchi's Disease." at the 54th Annual American Academy of Dermatology, Washington, DC, February, 1996.
- 18. Oral presentation of "HHV-8 DNA Sequences in Skin Lesions of Immunocompromised and Immunocompetent Patients" at the Residents and Fellows Symposium at the 54th Annual American Academy of Dermatology, Washington, DC, February, 1996.
- 19. Hudnall SD, Sellers R, Yen A, Rady PL, Tyring SK. "Detection of Kaposi's Sarcoma Associated Herpesvirus (HHV-8) DNA by In-Situ Hybridization in Kaposi's Sarcoma and Post-Transplant Squamous Lesions: Evidence of Infection of both Kaposi's Sarcoma Tissue and Squamous Epithelium" at the United States and Canadian Academy of Pathology, Washington, DC, March, 1996.
- 20. Yen, A., P. Rady, I. Orengo, S. Bruce, R.F. Wagner, Jr., and S.K. Tyring. Prevalence of HHV-8 in cutaneous neoplasms. J.W. McLaughlin Fellowship Fund Research Colloquium, UTMB, Galveston;; March 26, 1996.
- 21. Oral presentation of "Prevalence of HHV-8 in Cutaneous Sarcomas and Carcinomas" at the 37th Annual National Student Research Forum at Galveston, Texas, April, 1996.
- 22. Oral presentation on "Prevalence of Human Herpesvirus 8 DNA in Kaposi's Sarcoma, Carcinomas, and Post-transplant Squamous Lesions" at the 57th Annual Society for Investigative Dermatology Meeting, Washington, DC., May, 1996.
- 23. Yen A, Rady P, Hodak E, Hudnall D, Sellers R, Orengo I, Bruce S, Trattner A, Feinmesser M, David M, Tyring SK. "Prevalence of Human Herpesvirus 8 DNA in Kaposi's Sarcoma from Patients during Corticosteroid Therapy" at the Summer American Academy of Dermatology Meeting in Orlando, Florida, July, 1996.

- 24. Oral presentation on "Human Herpesvirus 8 (HHV-8) in Cutaneous Malignant and Autoimmune Lesions: Prevalence of HHV-8 in Kaposi's Sarcoma, Squamous Carcinomas, and Pemphigus" at the Residents and Fellows Symposium at the 55th Annual American Academy of Dermatology Meeting in San Francisco, California, March, 1997.
- 25. Oral presentation on "Detection of Human Herpes Virus-8 DNA Sequences in Blistering Skin, Normal Skin, and Blood of a Patient with Pemphigus Vulgaris, But Without HIV Infection or Kaposi's Sarcoma" at the 55th Annual American Academy of Dermatology Meeting in San Francisco, California, March, 1997.
- 26. Yen A, Austin P, Sanchez RL. "Is Bowenoid Seborrheic Keratosis a Form of SCC In-Situ?" at the 34th Annual Meeting of the American Society of Dermatopathology, San Francisco, California, March, 1997.
- 27. Yen A, Rady PL, Memar O, Hodak E, Trattner A, Feinmesser M, David M, Tyring SK. "Human Herpesvirus 8 in Cutaneous Malignant and Autoimmune Lesions: Prevalence of HHV-8 in Kaposi's Sarcomas, Squamous Carcinomas, and Pemphigus" at the 55th Annual American Academy of Dermatology Meeting in San Francisco, California, March, 1997.
- 28. Yen A, Rady PL, Cortes-Franco R, Tyring SK. "PCR Detection of Mycobacterium Tuberculosis DNA in Case Series of Erythema Induratum" at the 55th Annual American Academy of Dermatology Meeting in San Francisco, California, March, 1997.
- 29. Arany I, Yen A, Tyring SK. "p53, WAF1/CIP 1 and Mdm2 Expression in Skin Lesions Associated with Human Papillomavirus and Human Immunodeficiency Virus" at the 55th Annual American Academy of Dermatology Meeting in San Francisco, California, March, 1997.
- 30. Rady P, Hodak E, Yen A, Memar O, Trattner A, Feinmesser M, David M, Tyring SK. "Human Herpesvirus 8 (HHV-8) in Cutaneous Malignant and Autoimmune Lesions" at the 88th Annual Meeting of the American Association for Cancer Research, San Diego, CA, April, 1997.
- 28. Arany, Yen A, Tyring SK. "Status of p53 and WAF1/CIP1 in Anogenital Lesions Harboring Human Papillomavirus and Human Immunodeficiency Virus" at the 88th Annual Meeting of the American Association for Cancer Research, San Diego, CA, April, 1997.
- 29. Yen A, Rady PL, Memar O, Tyring SK. "Coexistent Expression of Interleukin 8 (IL-8) and IL-8 Receptors With Human Herpesvirus 8 (HHV-8) in Kaposi's Sarcoma" at the Society for Investigative Dermatology 58th Annual Meeting, Washington, D.C., April, 1997.
- 30. Yen A, Rady PL, Moore T, Memar O, Tyring SK. "Expression of Human Herpesvirus * (HHV-8), HHV-8 Homologues of Cyclin D and G Protein-Coupled Receptor, Human Interleukin 8 (IL-8), and Human IL-8 Receptor in Kaposi's Sarcoma" at the Summer American Academy of Dermatology Meeting, New York City, NY, August, 1997.
- 31. Rady PL, Hudnall SD, Yen A, Hughes TK Tyring SK. "Frequency of Human Herpesvirus 8 (HHV-8) Cellular Homologue Gene Expression in Kaposi's Sarcomas (KS) and BCBL-1 Cells" at the Institute of Human Virology 1997 Annual Meeting, Baltimore, MD, September, 1997.

- 32. Yen A, Rady PL, Tyring SK. "Comparative Expression of Human Herpesvirus 8 (HHV-8) Homologues of Cyclin D (Latency Phase) and Macrophage Inflammatory Protein II (Lytic Phase) with Small Nuclear RNA T0.7 in Kaposi's Sarcoma" at the American Academy of Dermatology 56th Annual Meeting, Orlando, FL, February, 1998.
- 33. Moore T*, Yen A. "Fournier's Gangrene: A Dermatologic Emergency" at the American Academy of Dermatology 56th Annual Meeting, Orlando, FL, February, 1998.
- 34. Moore T*, Yen A, Wagner R. "The Histopathology of Irradiated Cutaneous Squamous Cell Carcinoma" at the American Academy of Dermatology 56th Annual Meeting, Orlando, FL, February, 1998.
- 35. Yen A, Rady PL, Hudnall SD, Hughes TK, Tyring SK. "Expression of Human Herpesvirus 8 (HHV-8) Cellular Homologue Genes in Kaposi's Sarcomas and BCBL-1 Cell Lines" at the American Academy of Dermatology 56th Annual Meeting, Orlando, FL, February, 1998.
- 36. Rady, P.L., S.D. Hudnall, A. Yen, T.K. Hughes, and S.K. Tyring. Expression of human herpesvirus 8 (HHV-8) cellular homologue genes in classic and AIDS related Kaposi's sarcomas. Second National AIDS Malignancy Conference, Bethesda; April 6-8, 1998.
- 37. Hudnall, S.D., P. Rady, A. Yen, and S.K. Tyring. Effect of hydrocortisone treatment on expression of human herpesvirus 8 (HHV-8) genes and on viral DNA replication in BCBL-1 cells. First Annual Meeting of Kaposi's Sarcoma Associated Herpesvirus and Related Agents, Santa Cruz; July 25-28, 1998.
- 38. Moore TO*, Moore AY, Kuhn J, McCarty T. "Completion Lymph Node Dissection Following Positive Sentinel Lymph Node Biopsy for Cutaneous Melanoma" at the 52nd Annual Meeting of Southwestern Surgical Congress, Colorado Springs, CO, April 9-12, 2000.
- 39. Moore AY. "Basic Self-Assessment Dermatopathology Course, Cases 21-25" at the American Academy of Dermatology 59th Annual Meeting, Washington, D.C., February, 2001.
- 40. Moore AY, Moore TO, Maitra A, Lapinski P, Gazdar A. "Loss of Heterozygosity in 6q22-23 in Melanomas and Intradermal Nevi" at the 62rd Annual Meeting of the Society for Investigative Dermatology, Washington, D.C., May 8-11, 2001.
- 41. Moore TO*, Maitra A, Lapinski P, Netto G, McCarty TM, Gazdar A, Moore AY. "Loss of Heterozygosity in 6q22-23 in Intermediate-Thickness Melanomas Reflects Lymph Node Involvement" at the 53rd Annual Southwestern Surgical Congress, Cancun, Mexico, April, 2001.
- 42. Moore TO*, McCarty T, Kuhn J, Maitra A, Gazdar A, Moore AY. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma After Laser Capture Microdissection" at the 55th Annual Meeting of the Society of Surgical Oncology, Denver, CO, March 14-17, 2002.
- 43. Moore AY, Moore TO*, Sinkre P, Ashfaq R. "Expression of CD117 (c-kit) in Dermatofibrosarcoma Protuberans: An Immunohistochemical Study of 25 Cases" at the 63rd

- Annual Meeting of the Society for Investigative Dermatology, Los Angeles, CA, May 15-18, 2002.
- 44. Moore TO*, Moore AY, Gazdar A. "Methylation Profiles of Tumor Suppressor Genes in Basal Cell and Squamous Cell Carcinoma," 61st Annual Meeting of the American Academy of Dermatology, San Francisco, CA, March 21-26, 2003.
- 45. Moore AY. "Oral Bexarotene and Narrowband UVB Phototherapy in the Treatment of Moderate-to-Severe Plaque Psoriasis," 61st Annual Meeting of the American Academy of Dermatology, San Francisco, CA, March 21-26, 2003.
- 46. Moore A, Wright E, Slay D, Moore T. "Low-Dose Acitretin Therapy in Combination with Biologic and Narrowband UVB Therapy for Psoriasis Subtypes in Adults and Children Increases Efficacy and Shortens Onset of Action Without Increased Side Effects," 64th Annual American Academy of Dermatology Meeting 2006, San Francisco, CA, March, 2006.
- 47. Oral presentation with Stephen Tyring MD, Omar Lupi MD, and Gloria Sanclemente MD "Viral Infections" at the 65th Annual American Academy of Dermatology Meeting 2006 in Washington, DC, February 2007.
- 48. Oral presentation with Stephen Tyring, MD, "Should you Vaccinate your Patients for HPV and Zoster?" at the Summer Meeting of the American Academy of Dermatology, New York City, New York, August 2007.
- 49. Moore AY and the Tough Acne Management Evaluation (TAME) Study Group. "Evaluating Tazarotene in the Treatment of Moderate or Severe Facial Acne Vulgaris: Results from the Tough Acne Management Evaluation (TAME) Study," Summer Meeting of the American Academy of Dermatology, New York City, New York, August 2007.
- 50. Moore A, Keehan P, Wright E. "Nodular Syphilis as the Presenting Sign of HIV," 66th Annual Meeting of the American Academy of Dermatology, San Antonio, Texas, March, 2008.
- 51. Moore A, Wright E, Boland R, Moore T. "Mutational Signatures of Abnormal DNA Mismatch (MMR) in Sebaceous Neoplasms," 66th Annual Meeting of the American Academy of Dermatology, San Antonio, Texas, March, 2008.
- 52. Moore A, Wright E, Moore T. "Topical Therapy of Keloids with Imiquimod," 66th Annual Meeting of the American Academy of Dermatology, San Antonio, Texas, March, 2008.
- 53. Moore AY, Wright E, Moore T. "Short Contact Therapy with Topical Fluorouracil Cream and Cryosurgery for Actinic Keratosis," 66th Annual Meeting of the American Academy of Dermatology, San Antonio, Texas, March, 2008.
- 54. Moore AY, Dai WW. "Combination Regimen of Acitretin and Adalimumab for Moderate to Severe Psoriasis", 68th Annual Meeting of the American Academy of Dermatology, Miami Beach, Florida, March, 2010.

- 55. Moore AY, Richardson BS. "Etanercept in the Combination with NB-UVB for the Treatment of Plaque Psoriasis," 68th Annual Meeting of the American Academy of Dermatology, Miami Beach, Florida, March, 2010.
- 56. Joseph Fowler Jr., Angela Moore, Kappa Meadows, Kimberly Grande, Martin Steinhoff, Matthew Leoni. "Once-daily topical brimonidine tartrate gel 0.5% is safe and effective in the treatment of moderate to severe persistent facial erythema associated with rosacea" 69th Annual Meeting of the American Academy of Dermatology, New Orleans, LA, March, 2011.
- 56. Moore AY, Joseph Fowler Jr., Kappa Meadows, Kimberly Grande, Martin Steinhoff, Diane Rudisill, Yin Liu, Matthew Leoni. "Once-daily topical brimonidine tartrate gel 0.5% is safe and efficacious in the treatment of moderate to severe persistent facial erythema of rosacea", 70th Annual Meeting of the American Academy of Dermatology, San Diego, California, March, 2012.
- 57. Moore AY, Mark Ling, Alicia Bucko, Joyce Hwa, Susan Qi, Vasant Manna. "Efficacy and Safety of Subantimicrobial Dose, Modified Release Doxycycline 40 mg vs Doxycycline 100 mg vs Placebo in the Treatment of Moderate and Severe Acne", 72th Annual Meeting of the American Academy of Dermatology, Denver, Colorado, March, 2014.
- 58. W. Huang, R. Nath, P. Rubin, R. Snyder, AY Moore and J. Jorizzo. "Results of a Phase 2, Open-label, Proof of Concept Study of Gevokizumab in the Treatment of the Acute, Inflammatory Phase of Pyoderma Gangrenosum", 72th Annual Meeting of the American Academy of Dermatology, Denver, Colorado, March, 2014.
- 59. W. Huang, R. Nath, H Zayed, P. Rubin, **A Moore**, R Snyder, and J. Jorizzo. "Results of an Openlabel, Proof of Concept Study of Gevokizumab in the Treatment of the Acute, Inflammatory Phase of Pyoderma Gangrenosum", 2014 Summer Academy Meeting, Chicago, 2014.

 * in-training

Regional Presentations

- Oral presentation on "Cytotoxic and Growth Profiles of Natural Killer Cells from Patients with Leukemia," performed with E. Lotzova at the University of Texas System Cancer Center Summer Research Program, August, 1985.
- 2. Oral presentation on "Pemphigus Erythematosus" at the John M Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1993.
- 3. Oral presentation on "Congenital Smooth Muscle Hamartoma" at the John M Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1993.
- 4. Oral presentation on "Elastoderma" at the Clarence S. Livingood Lecture, Houston Dermatological Society Meeting, Galveston, Texas, April, 1994.
- 5. Oral presentation on "Multiple Glomus Tumors" at the Clarence S. Livingood Lecture, Houston Dermatological Society Meeting, Galveston, Texas, April, 1994.

- 6. Oral presentation on "Predesquamin Extends Maturation of Keratinocytes" at the Texas Dermatological Society Meeting, Austin, Texas, May, 1994.
- 7. Oral presentation on "Effect of Dietary Lipids on PUVA Phototoxicity in the Hairless Mouse" at the South Central Dermatologic Congress Meeting at Key West, Florida, July, 1994.
- 8. Oral presentation on "Elastoderma: A Clinical Mimic of Acquired Cutis Laxa" at the South Central Dermatologic Congress Meeting at Key West, Florida, July, 1994.
- 9. Oral presentation on "Elastoderma" at the Pacific Dermatologic Association Clinicopathologic Conference at Tuscon, AZ, October, 1994.
- 10. Oral presentation on "Erythema Induratum" at the Clarence S. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1995.
- 11. Oral presentation on "Kikuchi's Histiocytic Necrotizing Lymphadenitis" at the Clarence S. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1995.
- 12. Oral presentation on "Workplace Skin Cancer Screening After Pre-Screening Questionnaires" at Texas Dermatological Society Meeting, Dallas, Texas, May, 1995.
- 13. Oral presentation on "Erythema Induratum of Bazin as a Tuberculid" at the Southern Medical Association Meeting, Dermatology Section, Kansas City, Kansas, November, 1995.
- 14. Yen A, Rady P, Jones A, Orengo I, Bruce S, Wagner Jr R, Tyring SK. "Prevalence of HHV-8 in Cutaneous Neoplasms" at the Southern Society for Investigative Dermatology Meeting, New Orleans, LA, February, 1996.
- 15. Oral presentation on "Linear Scleroderma" at the Clarence S. Livingood Lecture, Houston Dermatological Society Meeting, Galveston, Texas, March, 1996.
- 16. Oral presentation on "Multiple Spitz Nevi and Nevus Sebaceous" at the Clarence S. Livingood Lecture, Houston Dermatological Society Meeting, Galveston, Texas, March, 1996.
- 17. Oral presentation on "Histiocytic Cytophagic Panniculitic vs. Subcutaneous T-cell Lymphoma" at the Clarence S. Livingood Lecture, Houston Dermatological Society Meeting, Galveston, Texas, March, 1996.
- 18. Yen A, Rady P, Jones A, Orengo I, Bruce S, Wagner R Jr., Tyring SK. "Prevalence of HHV-8 in Cutaneous Neoplasms" at the 1996 Annual McLaughlin Fellowship Colloquium, Galveston, Texas, March, 1996.
- 19. Oral presentation on "Prevalence of Human Herpesvirus 8 DNA in Kaposi's Sarcoma, Carcinomas, and Post-transplant Squamous Lesions" at the Texas Dermatological Society, San

- Antonio, Texas, May, 1996.
- 20. Oral presentation on "Histology of Cutaneous Polyarteritis Nodosa" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 21. Oral presentation on "Histology of Adult-Onset Urticaria Pigmentosa" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 22. Oral presentation on "Histology of Cutaneous Mycobacterium Chelonae Infection" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 23. Oral presentation on "Histology of Acquired Perforating Folliculitis" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 24. Oral presentation on "Histology of Incontinentia Pigmenti" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 25. Oral presentation on "Histology of Erythema Dyschronicum Perstans" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 26. Oral presentation on "Histology of Metastatic Adenocarcinoma to the Skin" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 27. Oral presentation on "Histology of Lichen Planus" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 28. Oral presentation on "Histology of High-grade Diffuse Large-Cell Lymphoma Presenting with Lepromatous Leprosy" at the John M. Knox Memorial Lecture, Houston Dermatological Society Meeting, Galveston, Texas, September, 1996.
- 29. Oral presentation on "Histology of Linear IgA Bullous Disease" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 30. Oral presentation on "Histology of Morphea and Lichen Sclerosus et Atrophicus" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 31. Oral presentation on "Histology of Hypopigmented Mycosis Fungoides" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.

- 32. Oral presentation on "Histology of Steatocystoma Multiplex" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 33. Oral presentation on "Histology of Progressive Facial Hemiatrophy with Associated Orbital Pseudotumor" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 34. Oral presentation on "Histology of Cowden's Syndrome and Mucosal Involvement" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 35. Oral presentation on "Histology of Chloracne Secondary to Petroleum Products" at the Clarence C. Livingood Lecture Case Presentations, Houston Dermatological Society Meeting, Galveston, Texas, April, 1997.
- 36. Oral presentation on "The Need for Completion Lymph Node Dissection Following Positive Sentinel Lymph Node Biopsy for Cutaneous Melanoma" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 1999.
- 37. Moore TO, Maitra A, Lapinski P, Netto G, McCarty T, Gazdar A, Moore AY. "Loss of Heterozygosity in 6q22-23 in Intermediate-Thickness Melanomas Reflects Lymph Node Involvement" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 2001.
- 38. Moore TO, McCarty T, Kuhn J, Maitra A, Gazdar A, Moore AY. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma after Laser Capture Microdissection" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 2002.
- 39. Moore, TO*, Moore AY, Makarla P, Gazdar AF. "Methylation Profiles of Tumor Suppressor Genes in Basal and Squamous Cell Carcinoma" at the 42nd Annual Meeting of the North Texas Chapter of the American College of Surgeons, Dallas, TX, February 21, 2003.

F.H. (Trey) Moore, III, M.D. 1300 W. Terrell Suite 400 Fort Worth, TX 76104 (817) 336-5711

Education

Residency: University of Kansas Medical Center, Kansas City, KS

General Surgery 1991-1993

Urology 1993-1996

Medical School: University of Texas Health Science Center, San Antonio, TX

August 1987-May 1991

Undergraduate: Texas Christian University, Fort Worth, TX

September 1983-May 1987 Graduated Magna Cum Laude

Private Practice

Urology Associates of North Texas/USMD, Partner Board Certified by American Board of Urology 1988 and Recertified in 2006 and 2016 Texas Medical License, 1991-Present

Hospital Associations

Harris Methodist Fort Worth, Harris Methodist Southwest, Baylor All Saints, THR Huguley, USMD Hospital Arlington, USMD Hospital Fort Worth, and Weatherford Regional Hospital

Medical Organizations/Associations

American Urologic Association
American Medical Association
Tarrant County Medical Society
Texas Urologic Association
American Association of Clinical Urologists

Medical and Community Involvement

Texas Health Resources Strategic Planning Southwest Zone Board

Harris Methodist Fort Worth Hospital

Board of Trustees (2008-2014)

Chief of Staff (2010-2011)

Medical Staff Vice Chief of Staff (2008-2009)

Medical Staff Secretary (2006-2007)

Vice Chief Urology Department (2004-2005)

Presidents Council Committee, past chief and committee member (2010-present)

USMD

Fort Worth Urology Division, Physician Team Lead Medical Executive Committee Medical Physician Board for USMD 2013-2016 Ventures Board of Directors

American Cancer Society, Fort Worth Board of Directors (1999-2006)

Red Cross, Tarrant County Board of Directors (2002-2005)

Tarrant County Academy of Medicine, Board of Directors (2003-2005)

Rotary Fort Worth South, Board of Directors (1999-2000)

American Cancer Society-Man-to-Man Prostate Support Group,

Tarrant County Director and Fort Worth Group Facilitator (1999-2006)

Texas Health Resources Physician Leadership Council (2005-2006)

Harris Prostate Cancer Resource Center, Medical Director of Steering Committee

Prostate Cancer "STEPS" Lecture Series, Committee Member and Lecturer

Tarrant County Medical Society, Young Physicians Committee Chairman (2000)

Phi Beta Pi National Medical Fraternity, Past President San Antonio Chapter

Community Prostate Screening Outreach Program, Chairman Tarrant County (1999-2002)

North Texas Specialty Physicians (NTSP), Urology Division Chair

Update on Prostate Cancer Continuing Education Seminar (Fort Worth) 2003, Program Director

Alpha Epsilon Delta Medical School Honor Society, President 1986

TCU Athletics Physician (TCU Sports Medicine Advisory Team), 1996-Present

Cancer Care Services, Medical Advisory Board (2009-2010)

North Texas Prostate Cancer Coalition, Medical Advisor (2009-present)

Video Presentation on UNT sponsored "Prevent and Detect: Current Cancer Screening Guidelines" regarding prostate cancer screening recommendations

Texas Christian University Prehealth Professions Advisory Board

Honors

"America's Top Urologists" (Consumer Research Council of America) 2007-2010

"Texas Super Doctors" Top five percent of Texas doctors as nominated by physicians and selected by a state panel based on surveys, candidate research, and panel review. Recipient, 2006-2016, Texas Monthly Magazine

"Texas Super Doctors" selected to Blue Ribbon Panel Selection committee

"Best Doctors in America", 2006-2016

"Healthcare Hero" Recipient 2003, Fort Worth Business Press

"Top Docs" Fort Worth Magazine, 2001-2016

"America's Top Surgeons", 2010-2016

Merck Award Recipient (Medical School academic achievement award), 1991

Paul Harris Fellow, Rotary International, 1998

Texas Health Resources-The Physician Community Service Award Recipient 2007 for Dallas and Tarrant County

HealthGrades rated "Five Star Physician" 2011, 2012

USMD Fort Worth "Medical Records Physician of the Year" 2014

Scored in Top 1% of Urology Inservice Exam during Chief Resident Year

Research

Principal Investigator Harris Fort Worth Branch-SWOG Selenium and Vitamin E Prostate Cancer Trial (SELECT)

Sub Investigator-Chemoprevention of Prostate Cancer, Fort Worth site, SWOG Trial

CURRICULUM VITAE

NAME: Todd Oland Moore, M.D.

PRESENT POSITION AND ADDRESS:

Colon and Rectal Surgeon 711 East Lamar Blvd. Suite 200 Arlington, Texas 76011

Phone: 817-795-7546 Fax: 817-226-7546 Since 2005 to present

Full privileges Arlington Memorial Hospital, Arlington, TX

Sub-Investigator

Arlington Research Center, Inc

Affiliated with Arlington Center for Dermatology

711 East Lamar Blvd. Suite 200

Arlington, Texas 76011 Phone: 817-795-7546 Fax: 817-226-7546 Since 2007 to present

BIOGRAPHICAL:

Date of Birth December 3, 1970 Place of Birth Wayne, Nebraska

Citizenship USA

Contact Information 2501 Royal Glen Court

Arlington, Texas 76012

817-881-2615

todd o moore@yahoo.com

EDUCATION:

1989	Waco High School (Valedictorian), Waco, Texas
1989-93	B.A. in Physiology of Behavior, Rice University, Houston, Texas
1994-98	M.D. with Honors, University of Texas Medical Branch, Galveston, Texas
1998-03	Surgery Residency, Baylor University Medical Center (BUMC), Dallas, Texas
2003-04	Colon and Rectal Surgery Residency, BUMC, Dallas, TX

LICENSURE/BOARD CERTIFICATION:

Texas Medical License L7489 Board Certified, American Board of Colon and Rectal Surgery 09/05 Board Certified, American Board of Surgery 02/04

HONORS AND AWARDS:

2004	Surgical Jeopardy, American Society of Colon and Rectal Surgeons,
	Dallas, TX, May 12, 2004.
2003	American Board of Surgery In-Service Training Exam (ABSITE):
	Highest Score at BUMC: 95 th Percentile
2003	Surgical Jeopardy, American College of Surgery, New York City,
	April, 2003.
2003	Outstanding Poster Award at the North Texas Chapter of the American
	College of Surgeons Meeting, Dallas, Texas, February, 2003.
2002	American Board of Surgery In-Service Training Exam (ABSITE):
	Highest Score at BUMC: 96 th Percentile
2002	Outstanding Poster Award at the North Texas Chapter of the American
	College of Surgeons Meeting, Dallas, Texas, February, 2002.
2000	ABSITE: Highest score among PGY-2 at BUMC: 98 th Percentile
1999	ABSITE: Highest score among PGY-1 at BUMC: 96 th Percentile
1998	Duncan Award for Excellence in Gross Anatomy and Anatomical
	Research
1998	Freese Award (Outstanding Dermatology Student of the Year)
1998	J. Lewis Pipkin Research Award at the National Student Research Forum,
	Galveston, Texas
1997	Alpha Omega Alpha Honor Medical Society
1994-97	UTMB Dean's List
1997	Westra Scholarship for academic excellence and service to fund
	mission trip to Thailand
1995	Agnes Thelma Anderson Scholarship for academic excellence, UTMB
1991-93	Rice University's President's Honor Roll
1989-90	Max Roy Scholarship for academic excellence in mathematics, Rice
	University
1989-90	Robert C. Byrd Scholarship for academic excellence
1989	National Merit Commended Student
1989	Beneficial Corporation, Community Service Award
1983	Eagle Scout, Boy Scouts of America

TEACHING EXPERIENCE:

2002-2003	Chief Resident, General Surgery, Baylor University Medical Center
1996-1998	Neurosciences Tutor
1995, 1997	Gross Anatomy Tutor
1996-1997	Physiology Tutor
1997	Introduction to Patient Evaluation, Small-group leader

<u>SPEAKER'S BUREAU/ADVISORY BOARD</u> Sanofi-Aventis – 2006 - 2007

Sanofi-Aventis – 2006 - 2007 Novartis - 2005 Ferndale Labs - 2005

SERVICE:

President of the Arlington Medical Society, 2006-present

Missionary trip to China with leaders from Pantego Bible Church (2006)

Elder at Pantego Bible Church, 2005 - Present

Texas Medical Association Ad Hoc Committee for Health Information Technology, 2005-06

Vice-President of the Arlington Medical Society, 2005-2006

Transfusion Committee, Resident member, 2001-2003

Surgical Education Committee, Member 2001-2003

Medical missionary trip to Shengyang, China with International Mission Board (1999)

Medical missionary trip to Bangkla, Thailand with International Mission Board (1998)

Medical missionary trip to Juarez, Mexico with Baptist Student Ministries (1997)

Medical missionary trip to Matamoros, Mexico with Galveston Bible Church (1997)

Deacon at Galveston Bible Church (1996-97)

Year-long mission trip to Vladimir, Russia with The CoMission (1993-94)

Eye care missionary trips to Ecuador with Men for Missions (1992, 1990, 1988)

Missionary trip to Argentina with Campus Crusade for Christ (1992)

Eye care missionary trips to Haiti with Men for Missions (1980)

RESEARCH INTERESTS:

Familial Colon Cancer, Collaborative work with Richard Boland, M.D., Ph.D., BUMC

Molecular Biology of Malignant Transformation, Collaborative work with Adi Gazdar, M.D., Ph.D., U.T. Southwestern

PAPERS:

Yen Moore, **A.**, Tong, L.X., **Moore**, **T**. "Management of Human Papillomavirus-Related Anal and Colon Cancer" in Human Papillomavirus: Bench to Bedside. Curr Probl Dermatol. Editors: Ramírez-Fort, MK, Khan, F, Rady PL, Tyring, SK (eds). Basel, Karger, 2014, vol 45, pp 225-235.

Moore TO, Jones RC, Griffeth L. "PET Scanning: Surgical Applications," *BUMC Proceedings*, 16:13-20, 2003.

Maitra A, Gazdar AF, **Moore TO**, Moore AY. "Loss of Heterozygosity Analysis of Cutaneous Melanoma and Benign Melanocytic Nevi: Laser Capture Microdissection Demonstrates Clonal Genetic Changes in Acquired Nevocellular Nevi." *Hum Pathol.* 33(2):191-7, 2002.

Moore TO,. Yen-Moore A Carrasco D, Vander Straten M, Arany I, Au W, and Tyring SK. Human Papillomavirus, Smoking and Cancer. *J. Cutan. Med. Surg.* 5:323-328, 2001.

Moore, AY, Hudnall SD, Rady PL, Wagner RF, **Moore TO**, Memar O, Hughes TK, and Tyring SK. Differential Expression of the HHV-8 vGCR Cellular Homolog Gene in AIDS-associated and Classic Kaposi's Sarcoma: Potential Role of HIV-1 Tat. *Virology* 267:247-251, 2000.

- **Moore TO**, Moore A Yen, Langer M, Wagner RF. "Tumor Remnants Within Giant Cells Following Irradiation of Cutaneous Squamous Cell Carcinoma" *Dermatologic Surgery*, 24(10):1094-6, 1998.
- Yen A, Rady PL, **Moore TO**, Tyring SK. "Human Herpesvirus 8 (HHV-8) Cellular Homologue Genes in Kaposi's Sarcoma" (Abs) *J Invest Dermatol* 1998;110(4): 484.

Moore TO*, Moore A Yen, Langer M, Wagner RF. "Tumor remnants within giant cells following irradiation of cutaneous squamous cell carcinoma" Dermatologic Surgery, 24(10):1094-6, 1998.

Yen-Moore, A., S.D. Hudnall, P.L. Rady, R.F.Wagner, **T.O. Moore**, O. Memar, T.K. Hughes, and S.K. Tyring. Differential expression of the HHV-8 vGCR cellular homolog gene in AIDS-associated and classic Kaposi's Sarcoma: Potential role of HIV-1 Tat.

Moore, T. O.*, A. Yen-Moore, D. Carrasco, M. Vander Straten, I. Arany, W. Au, and S.K. Tyring. "Human papillomavirus, smoking and cancer." *J. Cutan. Med. Surg.* 5:323-328; 2001.

Maitra A*, Gazdar AF, **Moore TO**, Moore AY. "Loss of Heterozygosity Analysis of Cutaneous Melanoma and Benign Melanocytic Nevi: Laser Capture Microdissection Demonstrates Clonal Genetic Changes in Acquired Nevocellular Nevi." Hum Pathol. 2002 Feb;33(2):191-7.

Moore TO*, Moore AY. "Fournier's gangrene: A dermatologic emergency" submitted for publication.

Moore TO*, Moore AY, Wagner RF. "Removal of Burrow's triangles compared with lipoplasty for correction of cone defects during closure of linear excisions." in progress.

Yen A, Rady PL, **Moore TO**, Tyring SK. "Human herpesvirus 8 (HHV-8) cellular homologue genes in Kaposi's sarcoma" (Abstract) J Invest Dermatol 1998;110(4): 484

Moore TO*, McCarty T, Kuhn J, Maitra A, Gazdar A, Moore AY. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma After Laser Capture Microdissection" Ann Surg Oncol, 2002;9(1):S36.

Mei-shu Li, Ajay Goel, Angela Moore, **Todd Moore**, and C. Richard Boland, "Mutational Signatures of Abnormal DNA Mismatch Repair (MMR) in Sebaceous Neoplasms." (Abstract), Joint ASCO, AGA, ASTRO, and SSO Meeting on GI Cancers, San Francisco, January, 2006.

INTERNATIONAL PRESENTATIONS:

Moore AY, Rady PL, Hudnall SD, **Moore TO**, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at the 1998 International Investigative Dermatology Meeting in Cologne, Germany, May, 1998.

Moore AY, Rady PL, Hudnall SD, **Moore TO**, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at Clinical Dermatology 2000 Singapore Meeting in Singapore, June, 1998.

Moore AY, **Moore TO**. "Human herpesviruses" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999

- **Moore TO**, Yen-Moore A. "Nasopharyngeal Carcinoma: Role of Endoscopic Guided Resection" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- **Moore TO**, Yen-Moore A. "Role of Sentinel Lymph Node Dissection in Intermediate-thickness Melanomas" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.

PRESENTATIONS:

- **Moore, TO**. "Colectomy with Ileorectal Anastamosis and Polyp Suppression in Familial Adenomatous Polyposis" Southern Medical Association Annual Meeting, Atlanta, GA, Nov 7, 2003.
- **Moore, TO**. "Irritable Bowel Syndrome: An Update" Grand Rounds at the Dept. of Surgery, BUMC, Dallas, TX, April 30, 2003.
- **Moore, TO**, Moore AY, Gazdar A. "Methylation Profiles of Tumor Suppressor Genes in Basal Cell and Squamous Cell Carcinomas" American Academy of Dermatology, San Francisco, CA, March 23, 2003.
- **Moore, TO**, Moore AY, Gazdar A. "Methylation Profiles of Tumor Suppressor Genes in Basal Cell and Squamous Cell Carcinomas" North Texas Chapter of the American College of Surgeons' Annual Meeting, Dallas, TX, February 21, 2003.
- **Moore, TO**, Dignan RD, Lichliter WE. "Colectomy with Ileorectal Anastamosis and polyp suppression in Familial Adenomatous Polyposis" North Texas Chapter of the American College of Surgeons' Annual Meeting, Dallas, TX, February 21, 2003
- **Moore, TO**. "PET Scanning: Surgical Applications" Grand Rounds at the Dept. of Surgery, BUMC, Dallas, TX, June 19, 2002.
- Moore AY, **Moore TO**, Sinkre P, Ashfaq R. "Expression of CD117 (c-kit) in Dermatofibrosarcoma Protuberans: An Immunohistochemical Study of 25 Cases" at the 63rd Annual Meeting of the Society for Investigative Dermatology, Los Angeles, CA, May 15-18, 2002.
- **Moore TO**, McCarty T, Kuhn J, Maitra A, Gazdar A, Moore AY. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma After Laser Capture Microdissection" at the 55th Annual Meeting of the Society of Surgical Oncology, Denver, CO, March 14-17, 2002.
- **Moore TO**, McCarty T, Kuhn J, Maitra A, Gazdar A, Moore AY. "Loss of Heterozygosity at 6q22-23.3 in Congenital Nevi, Acquired Nevi, and Cutaneous Melanoma after Laser Capture Microdissection" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 2002.

- **Moore TO**, Maitra A, Lapinski P, Netto G, McCarty TM, Gazdar A, Moore AY. "Loss of Heterozygosity in 6q22-23 in Intermediate-Thickness Melanomas Reflects Lymph Node Involvement" at the 53rd Annual Southwestern Surgical Congress, Cancun, Mexico, April, 2001.
- **Moore TO**, Maitra A, Lapinski P, Netto G, McCarty T, Gazdar A, Moore AY. "Loss of Heterozygosity in 6q22-23 in Intermediate-Thickness Melanomas Reflects Lymph Node Involvement" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 2001.
- **Moore TO**, Moore AY, Kuhn J, McCarty T. "Completion Lymph Node Dissection Following Positive Sentinel Lymph Node Biopsy for Cutaneous Melanoma" at 52nd Annual Meeting of Southwestern Surgical Congress, Colorado Springs, CO, April 9-12, 2000.
- **Moore TO**, Moore AY. "Human Herpesviruses" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June, 1999.
- **Moore TO**, Yen-Moore A. "Fournier's Gangrene: A Dermatologic Emergency" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June, 1999.
- **Moore TO**, Yen-Moore A, Tan L. "Nasopharyngeal Carcinoma: Role of Endoscopic Guided Resection" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- **Moore TO**, Yen-Moore A. "Role of Sentinel Lymph Node Dissection in Intermediate-thickness Melanomas" at The Global Partners 1999 Sino-American Medical Exchange Conference in Shenyang, China, June 1999.
- **Moore TO**, Moore AY, Kuhn J, McCarty T. "The Need for Completion Lymph Node Dissection Following Positive Sentinel Lymph Node Biopsy for Cutaneous Melanoma" at the North Texas Chapter, American College of Surgeons Meeting, Dallas, Texas, February, 1999.
- **Moore TO**, Yen-Moore A, Tan L. "Nasopharyngeal Carcinoma: Role of Endoscopic Guided Resection" at Grand Rounds, Department of Otorhinolaryngology, University Hospital of Singapore, June, 1998.
- Moore AY, Rady PL, Hudnall SD, **Moore TO**, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at Clinical Dermatology 2000 Singapore Meeting in Singapore, June, 1998.
- Moore AY, Rady PL, Hudnall SD, **Moore TO**, Wagner RF, Tyring SK. "Expression of Human Herpesvirus 8 Cellular Homologue Genes in Kaposi's Sarcoma" at the 1998 International Investigative Dermatology Meeting in Cologne, Germany, May, 1998.
- **Moore TO**, Wagner RF, Yen A. "The Histopathology of Irradiated Cutaneous Squamous Cell Carcinoma," presented at the National Student Research Forum, Galveston, TX, April, 1998.

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- **Moore TO**, Yen A, Wagner RF. "The Repair of Cone Defects by Lipectomy versus Traditional Repair," at the National Student Research Forum, Galveston, TX, April, 1998.
- **Moore TO**, Yen A. "Fournier's Gangrene: A Dermatologic Emergency" at the American Academy of Dermatology 56th Annual Meeting, Orlando, FL, February, 1998.
- Moore A, Rady PL, **Moore TO**, Memar O, and Tyring SK. Expression of Human Herpesvirus (HHV-8), HHV-8 Homologues of Cyclin D and G protein-coupled Receptor, Human Interleukin 8 (IL-8), and human IL-8 Receptor in Kaposi's Sarcoma. Summer Meeting, American Academy of Dermatology, New York; August 1997.
- **Moore TO**, David Q. Thomas, Ph.D., K. Long, Ph.D.: "Physiological and Psychological Response to Submaximal Exercise on the NOVA 5000," presented at the Texas Sports Medicine Symposium, Austin, TX, 1993.

CLINICAL TRIALS INVOLVED AS SUB-INVESTIGATOR:

Principal Investigator: Moore A., Protocol Number 1297.9: VOLTAIRE-X: Pharmacokinetics, safety, immunogenicity and efficacy of BI 695501 versus Humira® in patients with moderate to severe chronic plaque psoriasis: a randomized, double-blind, parallel-arm, multiple-dose, active comparator trial. Boehinger Ingelheim Pharm GmbH & Co. KG Pending Site Activation

Principal Investigator: Moore A., Protocol Number 232674 Almirall, PM1440: A Randomized, Double-blind, Vehicle-controlled, Parallel-group clinical Trial to Assess the Efficacy, Safety and Tolerability of P-3073 for Topical Treatment of Nail Psoriais. Almirall Pending Site Activation

Principal Investigator: Moore A., Protocol Number FX2016-12: A Randomized, Multicenter, Double-blind, Vehicle-controlled Study to Evaluate the Safety and Efficacy of FMX103 1.5% Topical Minocycline Foam Compared to Vehicle in the Treatment of Facial Papulopustular Rosacea (FX2016-12) Foamix Pharmaceuticals Ltd Pending Site Activation

Principal Investigator: Moore A., Protocol Number INCB 18424-211: A Randomized, Double-Blind, Dose-Ranging Study of INCB018424 Phosphate Cream in Subjects With Vitiligo. Incyte-Corporation May 2017-Present

Principal Investigator: Moore A., Protocol Number INCB 1842-206: A Phase 2, Randomized, Dose-Ranging, Vehicle-Controlled and Triamcinolone 0.1% Cream-Controlled Study to Evaluate the Safety and Efficacy of INCB018424 Phosphate Cream Applied Topically to Adults With Atopic Dermatitis. Incyte Corporation March 2017-Present

Principal Investigator: Moore A., Protocol Number CNTO127SPSO3013: A Phase 3 Openlabel Study to Assess the Efficacy, Safety, and Pharmacokinetics of Subcutaneously Administered Ustekinumab in the Treatment of Moderate to Severe Chronic Plaque Psoriasis in Pediatric Subjects ≥6 to <12 Years of Age. Janssen Pharmaceutical Companies December 2016 - present

Principal Investigator: Moore A., Protocol Number 1679-401-006: An Open-Label Phase 4 Safety and Efficacy Trial of ACZONE (Dapsone) Gel, 7.5% in 9 to 11 Year-Old Patients With Acne Vulgaris. Allergan (North America) October 2016 - present

Principal Investigator: Moore A., Protocol Number 1679-401-006: An Open-Label Phase 4 Safety and Efficacy Trial of ACZONE (Dapsone) Gel, 7.5% in 9 to 11 Year-Old Patients With Acne Vulgaris. Allergan (North America) October 2016-present

Principal Investigator: Moore A., Protocol Number CAIN457A2326, A 52-week, multicenter, randomized, double-blind study of secukinumab (300 mg) to demonstrate efficacy as assessed by Psoriasis Area and Severity Index and Investigator's Global Assessment after 12 weeks of treatment, compared to ustekinumab, and to assess long-term safety, tolerability, and efficacy in subjects with moderate to severe plaque psoriasis (CLARITY). Novartis Pharmaceuticals Corp July 2016-present

Principal Investigator: Moore A., Protocol Number CAIN457FUS01, A randomized, double-blind, placebo-controlled, parallel-group, multicenter study to evaluate the safety and efficacy of secukinumab 300 mg and 150 mg in adult patients with active psoriatic arthritis after 16 weeks of treatment compared to placebo and to assess the safety, tolerability and efficacy up to 52 weeks. Novartis Pharmaceutical Corp July 2016-Present

Principal Investigator: Moore A., Protocol Number NI-AC303, A Phase 3 Multi-Center, Open Label Study Evaluating the Long Term Safety of SB204 Once Daily in the Treatment of Acne Vulgaris. Novan Therapeutics May 2016 to May 2017

Principal Investigator: Moore A., Protocol Number NI-AC301, A Phase 3 Multi-Center, Randomized, Double-Blinded, Vehicle-Controlled, Parallel Group Study Comparing the Efficacy, Tolerability and Safety of SB204 and Vehicle Gel Once Daily in the Treatment of Acne Vulgaris. Novan Therapeutics February 2016- March 2017

Principal Investigator: Moore A., Protocol Number CLS001-CO-PR-005, A Phase 3, Randomized, Vehicle-Controlled, Double-Blind, Multicenter Study to Evaluate the Safety and Efficacy of a Once-Daily CLS001 Topical Gel Versus Vehicle Administered for 12 Weeks to Subjects with Papulopustular Rosacea with a 4 Week Follow-up Period. Cutanea Life Sciences, Inc.

December 2015-Present

Principal Investigator: Moore A., Protocol Number CHS-1420-02, A Double-Blind, Randomized, Parallel-Group, Active-Conrol Study to Compare the Efficacy and Safety of CHS-1420 Versus Humira in Subjects With Chronic Plaque Psoriasis (PSOsim) August 2015 to present

Principal Investigator: Moore A., Protocol Number R668-AD-1415, A Phase 3, Randomized, Double-Blind Placebo-Controlled study Investigating the Efficacy and Safety of Multiple Dupilumab Dose Regimens Administered as Monotherapy for Maintaining treatment response in Patients with Atopic Dermatitis. Regeneron Pharmaceuticals, Inc. August 2015 to February 2017

Principal Investigator: Moore A., Protocol Number SC1402, A Randomized, Multicenter, Doubleblind, Placebo-controlled Study to Evaluate the Efficacy and Safety of 1.5 mg/kg per Day of Sarecycline Compared to Placebo in the Treatment of Acne Vulgaris. Allergan (formerly Activis) June 2015 to March 2017

Principal Investigator: Moore A., Protocol Number R668-AD-1225, An Open-Label study of Dupilumab in patients with Atopic Dermatitis who Participated in Previous Dupilumab Clinical Trials. Regeneron Pharmaceuticals, Inc. March 2015 to present

Principal Investigator: Moore A., Protocol Number R668-AD-1416, A Phase 3 Confirmatory Study Investigating the Efficacy and Safety of Dupilumab Monotherapy Administered to Adult Patients with Moderate-to-Severe Atopic Dermatitis.

Regeneron Pharmaceuticals, Inc.

March 2015 to March 2016

Principal Investigator: Moore A., Protocol Number 122-0551-305, A Multicenter, Randomized, Double-Blind, Parallel Group Comparison of Halobetasol Propionate Foam 0.05% versus Vehicle Foam in Subjects with Plaque Psoriasis. Therapeutics, Inc. February 2015 to September 2015

Principal Investigator: Moore A., Protocol Number B7451005, A Phase 2, Randomized, Double-Blind, Placebo-Controlled study to evaluate safety and efficacy of PF9-04965842 in Subjects with Moderate to Severe Psoriasis. Pfizer, Inc. February 2015 to August 2015

Principal Investigator: Moore A., Protocol Number GLI.04.SPR.US10305, MIRVASO In Use Study: Managing Rosacea through assessment and control of its erythema (The MIRACLE Study) Galderma R&D, LLC. November 2014-March 2015

Principal Investigator: Moore A., Protocol Number CAIN457AUS01, A randomized, double-blinded, placebo-controlled, parallel-group, multicenter study to demonstrate the efficacy of subcutaneous secukinumab [300 mg] as assessed by the Psoriasis Scalp Severity Index (PSSI) at 12 weeks of treatment, compared to placebo, and to assess safety and tolerability up to 24 weeks in adult subjects with moderate to severe scalp psoriasis.

Novartis Pharmaceuticals

October 2014- March 2016

Principal Investigator: Moore A., Protocol Number R668-AD-1314, A Randomized, Double-Blind, Placebo-Controlled, Study Investigating Vaccine Responses in Adults with Moderate to Severe Atopic Dermatitis Treated with Dupilumab. Regeneron Pharmaceuticals, Inc.

Sentendo Pharmaceuticais, inc.

September 2014-December 2015

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18131, A Multicenter, Open label uncontrolled study of the long term safety and efficacy of calcitriol 3mcg/g ointment applied twice daily for 26 weeks in pediatric subjects (2 to 17 years of age) with mild to moderate plaque psoriasis. Galderma R&D, LLC. Apr 2014-Present

Principal Investigator: Moore A., Protocol Number AN2728-303, A Multicenter, Open-Label Study of the Long-Term Safety of AN2728 Topical Ointment, 2% in the Treatment of Children, Adolescents, and Adults (Ages 2 Years and Older) With Atopic Dermatitis. Anacor Pharmaceuticals, Inc. June 2014- December 2015

Principal Investigator: Moore A., Protocol Number AN2728-301/302, A Multicenter, Randomized, Double-Blind, Vehicle-Controlled Study of the Safety and Efficacy of AN2728 Topical Ointment, 2% in Children and Adolescents (Ages 2 Years-17 Years) With Atopic Dermatitis. Anacor Pharmaceuticals, Inc. Apr 2014- August 2015

Principal Investigator: Moore A., Protocol Number 199201-004 – Efficacy and Safety of Oxymetazoline HCI Cream 1.0% for the Treatment of Persistent Erythema Associated with Rosacea. Allergan (North America) Apr 2014-Mar 2015

Principal Investigator: Moore A., Protocol Number ASB1-704 – A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-group Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of ASB17061 Capsules in Adult Subjects With Atopic Dermatitis. Asubio Pharmaceuticals, Inc. Sep 2013 – Mar 2014

Principal Investigator: Moore A., Protocol Number DS440C00001 – A Phase IIa, Randomized, Double-blind, Placebo-controlled, Multicenter Study to Assess the Safety, Tolerability and Preliminary Efficacy of MEDI8968 in Subjects with Moderate to Severe 10 Hidradenitis Suppurativa AstraZeneca May 2013-January 2015

Principal Investigator: Moore A., Protocol Number X052170 – An Open-label, Proof of Concept Study of Gevokizumag in the Treatment of the Acute, Inflammatory Phase of Pyoderma Gangrenosum. XOMA (US) LLC Apr 2013- Jun 2014

Principal Investigator: Moore A., Protocol Number MP-1001-01 – A Parallel-group, Vehicle-controlled, Randomized, Double-blind Study of the Efficacy and Safety of Product 49778 and Product 1016 in Subjects with Seborrheic Dermatitis

Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc)
Sep 2012 – February 2013

Principal Investigator: Moore A., Protocol Number I1F-MC-RHBA (a) – A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Efficacy and Safety of LY2439821 to Etanercept and Placebo in Patients with Moderate-to-Severe Plaque Psoriasis.

Eli Lilly and Company June 2012 - Present

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18223- A randomized, multi-center, Investigator-blind, vehicle-and active-controlled, phase 2 study to assess the efficacy and safety of different concentrations of CD5789 cream applied once daily in subjects with moderate to severe acne Vulgaris.

Galderma July 2012 – October 2013

Principal Investigator: Moore A., Protocol Number LP0041-21- Phase 3, multi-centre, randomized, two-arm, parallel group, double-blind, vehicle-controlled, 12-month trial. A Sequential Treatment Regimen of Cryotherapy and Picato (Ingenol Mebutate) gel, 0.015% Field Therapy Compared to Cryotherapy Alone for the Treatment of Actinic Keratosis on the Face and Scalp. LEO Pharma A/S April 2012- September 2013

Principal Investigator: Moore A., Protocol Number X052120 – A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Gevokizumab in Subjects with Moderate to Severe Acne Vulgaris. XOMA January 2012-August 2013

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18171 – A Phase 3 randomized, double-blind, 12 week vehicle-controlled, parallel-group study assessing the efficacy and safety of CD5024 1% cream versus vehicle cream in subjects with papulopustular rosecea, followed by a 40-week investigator-blinded extension comparing the long-term safety of CD5024 1% cream versus azelaic acid 15% gel. Galderma December 2011- August 2013

Principal Investigator: Moore A., Protocol Number MP-1005 – An Open Label Study to Evaluate the Safety of Long Term Administration of Product 33525 in Subjects with Tinea Pedis, Tinea Corporis, or Tinea Cruris. Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc) June 2011 to December 2012

Principal Investigator: Moore A., Protocol Number MP-1000-01 – A Randomized, Multi=-Center, Double-Blind, Vehicle-Controlled Study Evaluating the Safety of Product 33525 in Subjects with Tinea Cruris. Medicis Global Services Corporation (MGSC) (now Valeant Phamarceuticals International, Inc) June 2011 to December 2012

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18140, A Multicenter, Randomized Double-Blind, Vehicle-Controlled, Parallel Group Study to Demonstrate the Efficacy and Assess the Safety of CD7805-47 Gel 0.5% Applied Topically Once Daily in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea" (the "Protocol") and as many be amended. Galderma-June 2011 to January 2012 (Brimonidine)

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18142, "A Multicenter, Open-Label Study to Evaluate the Long-Term Safety and Efficacy of CD07805/47 Gel .5% Applied Topically Once Daily for up to 52 Weeks in Subjects with Moderate to Severe Facial Erythema Associated with Rosacea" - Galderma February 2011 to August 2012 (Brimonidine)

Principal Investigator: Moore A., Protocol Number. RD.06.SPR.18195 "A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, 3-Arm, Parallel Group Study Comparing the Efficacy and Safety of CD2475/101 40 mg Tablets versus Placebo and Doxycycline 100 mg Capsules Once Daily in the Treatment of Inflammatory Lesions in Subjects with Acne Vulgaris" Galderma February 2011 to February 2012

Principal Investigator: Moore A., Protocol Number 20080470 "A Randomized Study to Evaluate the Efficacy and Safety of Adding Topical Therapy to Etanercept in Subjects With Moderate to Severe Plaque Psoriasis." November 2010 – February 2012

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18161: "A 4-week, Randomized, Double-blind, Parallel-group, Vehicle-controlled, Multicenter Study Investigating the Efficacy and Safety of CD07805/47 Gel 0.5% Applied Topically Once Daily (QD), and CD07805/47 Gel 0.18% Applied Topically Once Daily (QD) or Twice Daily (BID), in Subjects With Moderate to Severe Facial Erythema Associated With Rosacea" Galderma. August 2010 – January 2011 (Brimonidine)

Principal Investigator: Moore A., Protocol Number MCB 0501 INT "Safety and Efficacy of TACLONEX Ointment in Adolescent Patients (aged 12 to 17 years) with Psoriasis Vulgaris." Health Decisions, Company. LEO Pharmaceuticals May 2010 – Dec 2011

Principal Investigator: Moore A., Protocol Number ISOCT.08.01: "A Double-Blind, Randomized, Phase III, Parallel Group Study Evaluating the Efficacy and Safety of Cip-Isotretinoin in Patients with Severe Recalcitrant Nodular Acne." Cipher Pharmaceuticals Inc. January 2010- August 2011

Principal Investigator: Moore A., Protocol Number RD.06.SPR.18158: "A Four-Week, Multicenter, Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of CD2027 Ointment 3mcg/g Twice Daily in the Treatment of Adults with Least Moderate Atopic Dermatitis." Galderma. May 2009 – November 2009.

Principal Investigator: Moore A., Protocol W0261-301: "A Phase 3 Multicenter, Randomized, Double-Blind, Active and Vehicle-Controlled Study of the Safety and Efficacy of Duac Low-Dose Gel Versus Clindamycin Gel Versus Benzyol Peroxide Gel Versus Vehicle Gel in Subjects with Acne Vulgaris.," Stiefel Laboratories, Inc., October 2008 – October 2009

Principal Investigator: Moore A., Protocol Number DPSI-IDP-107-P2-01: "A Phase 2B, 13 Multi-Center, Double-Blind, Randomized, Dose-ranging Clinical Study to Evaluate IDP-107 in the Treatment of Moderate to Severe Acne Vulgaris with Nodular Involvement." Dow Pharmaceuticals, September 2008- June 2009.

Principal Investigator: Moore A., Protocol Number C0168Z03: "A Multicenter, Open Registry of Patients with Psoriasis Who Are Candidates for Systemic Therapy Including Biologics." May 2008-Present.

Principal Investigator: Moore A., Protocol U0275-01: "A Phase 4, Open-Label Study to Assess the Long-Term Safety of Extina (ketoconazole) Foam, 2%, in the Treatment of Seborrheic Dermatitis." Stiefel Laboratories, Inc., June 2008 – October 2009

Principal Investigator: Moore A., Protocol RD.03.SPR.29075: "Efficacy and Safety Comparison of Adapalene 0.1% / Benzoyl Peroxide 2.5% Gel versus Adapalene, 0.1% / Benzoyl Peroxide 2.5% Vehicle Gel as a 6-Month Maintenance Treatment." Galderma R&D, Inc., May 2008 – November 2009

Principal Investigator: Moore A., Protocol RD.03.SPR.29074: "Efficacy and Safety Comparison of Adapalene 0.1% / Benzoyl Peroxide 2.5% Gel Associated with Doxycycline Hyclate 100mg Tablets versus Adapalene lotion, 0.1% / Benzoyl Peroxide 2.5% Vehicle Gel Associated with Doxycycline

Hyclate 100mg Tablets in the Treatment of Severe Acne Vulgaris." Galderma R&D, Inc., May 2008 – May 2009

Principal Investigator: Moore A., Protocol RD.06.SPR.18113: "A Multi-Center, Randomized, Double-Blind, Parallel Group Study to Demonstrate the Efficacy and Safety of Adapalene Lotion, 0.1% Compared with Vehicle Lotion in Subjects with Acne Vulgaris." Galderma R&D, Inc., February 2008 – February 2009

Principal Investigator: Moore A., Protocol EPB348-0201: "A randomized, double-blind, active-controlled, multi-center, parallel-group dose-ranging study assessing the safety and efficacy of EPB-348 versus valacyclovir among immunocompetent patients with an acute episode of herpes zoster." Epiphany Biosciences, December 2007 – June 2009

Principal Investigator: Moore A., Protocol M10-016: "A Phase 3, Multicenter, Open-Label Extension Study Designed To Describe Safety, Tolerability, and Efficacy of Long-Term Administration of the Human Monoclonal Antibody Against IL-12 In Subjects with Moderate to Severe Chronic Plaque Psoriasis." Abbott/Paragon Biomedical, May 2008 – Feb 2012 14

Principal Investigator: Moore A., Protocol M06-890: "A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Comparing the Safety and Efficacy of Two Dosing Regimens of ABT-874 to Placebo in Subjects with Moderate to Severe Chronic Plaque Psoriasis." Abbott/Paragon Biomedical, December 2007 – July 2009

Principal Investigator: Moore A., Protocol 15L-CL-101: "A Phase II Dose Finding Study with ASP2151 in Subjects with Recurrent Episodes of Genital Herpes." Astellas, March 2007 – December 2008

Principal Investigator: Moore A., Protocol COL101-ROSE-401: "A Multi-Center, Randomized, Double-Blind, Active-Control Clinical Trial to determine the Effects of Doxycycline Monohydrate Modified-Release Capsules, 40 mg (COL-101 Administered Once Daily in Conjunction with MetroGel (metronidazole topical gel, 1%) versus Doxycycline Hyclate Immediate-Release Capsules, 100 mg Administered Once Daily in Conjunction with MetroGel (metronidazole topical gel, 1%) in Patients with Moderate to Severe Rosacea." Collagenex, February 2007 – November 2007

Principal Investigator: Moore A., "Protocol RD.06.SPR.18088: A Multi-Center, Randomized, Double-Blind, Parallel Group Study To Demonstrate The Efficacy And Safety Of Adapalene/Benzoyl Peroxide Topical Gel Compared With Adapalene/Benzoyl Peroxide Topical Gel Compared With Adapalene Topical Gel, 0.1%; Benzoyl Peroxide Topical Gel, 2.5% And Topical Gel Vehicle In Subjects With Acne Vulgaris." Galderma, January 2007- July 2007

Principal Investigator: Moore A. "Protocol 1520-IMIQ-19 Open-label Safety and Pharmacokinetic Study of Aldara 5% Cream for the Treatment of Contiguous and Non-contiguous Actinic Keratosis." 3M Pharmaceuticals. June, 2005 – May, 2007

Principal Investigator: Moore A. "Protocol 20050111: An Open-label Extension Study to Evaluate the Safety of Etanercept in Pediatric Subjects with Plaque Psoriasis." Amgen, July 2005 – Jul., 2007

Principal investigator: Moore A. "Protocol 20030211: Placebo-controlled Multicenter Study with Etanercept to Determine Safety and Efficacy in Pediatric Subjects with Plaque Psoriasis." Amgen. Jan, 2005-2006.

Kenton K. Murthy, D.O., M.S., M.P.H.

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POST-GRADUATE TRAINING:

7/12 - 6/15 Rutgers Robert Wood Johnson Medical School at Robert Wood Johnson University Hospital

Family Medicine and Community Health

Health Policy Fellowship Track

EDUCATION:

7/07 – 5/12 University of North Texas Health Science Center

Texas College of Osteopathic Medicine
Degree: Doctor of Osteopathic Medicine (D.O.)

7/09 – 5/12 University of North Texas Health Science Center

School of Public Health

Degree: Master of Public Health (M.P.H.) Concentration: Health Management and Policy

Thesis: The White-Coat Dilemma: Are Collaborative Practices the Answer to the Primary Care Shortage?

Major Professor: Dr. Kristen Lykens

5/06 – 5/07 University of North Texas Health Science Center

Graduate School of Biomedical Sciences

Degree: Master of Science (M.S.) Concentration: Medical Sciences

9/97 – 12/01 University of California, Davis

Degree: Bachelor of Science (B.S.)

Major: Genetics

Minor: Managerial Economics

Honors: Davis Honors Challenge (1997-2000)

LICENSURE & CERTIFICATION:

7/15 American Board of Family Medicine

Board Certified

7/15 Texas Medical Board

Fully Licensed

7/14 Robert Wood Johnson University Hospital

Nexplanon Certified

11/01 University of California, Davis

Certificate of Completion

Student Leadership Development Series

HONORS & AWARDS:

2/17 Burleson Star

2016 Best of the Best Doctor

2/17 Burleson Star

2016 Best of the Best Medical Office

6/14 New Jersey Family Magazine

2014 NJ's Favorite Kids' Doc Award

8/13 Robert Wood Johnson University Hospital

Above and Beyond Certificate of Excellence for Outstanding Dedication to Patient Care

1

8/03 Certificate of Appreciation for Outstanding Service and Support

MEMBERSHIPS:

10/15 - Present**Texas Medical Association**

7/12 – Present **American Academy of Family Physicians**

9/07 – Present **American Osteopathic Association**

2/08 - 5/12Sigma Sigma Phi

Honorary Osteopathic Service Fraternity

HOSPITAL AND CLINICAL COMMITTEES:

1/16 – Present HealthTexas Provider Network

Best Care Committee

Baylor Scott & White All Saints Hospital 12/16 – Present

Primary Care Provider Counsel

7/13 - 6/15Family Medicine at Monument Square

Clinical Care Medical Unit

Robert Wood Johnson University Hospital 7/13 - 6/15

Quality Improvement and Patient Safety

WORK EXPERIENCE:

11/16 – Present **Baylor Scott & White Family Medicine at Burleson** Burleson, TX

Family Medicine/Hospitalist Physician

Full scope family physician, including EKG, spirometry, fracture and wound care and minor surgical procedures. Hospital privileges at Baylor Emergency Medical Center in Burleson, TX. Focuses on Geriatrics, Sports Medicine, Women's Health and Osteopathic Manipulative Treatments.

2/17 – Present **Baylor Scott & White Healthcare Clinic** Arlington, TX

Collaborative Physician

Collaborative physician for APNs at the Baylor Scott & White Healthcare Clinic. Duties include: 24/7 access, monthly educational meetings and chart review.

11/15 - 10/16Walgreens Healthcare Clinic Burleson, TX

Collaborative Physician

Collaborative physician for APNs at the Walgreens Healthcare Clinic. Duties include: 24/7 access, monthly educational meetings and chart review.

RESEARCH EXPERIENCE:

7/13 - 6/15**Rutgers Robert Wood Johnson Medical School** New Brunswick, NJ

Health Policy Research

Contact: Dr. Paula Krauser

Research focused on collaborative care using our office, a Patient-Centered Medical Home recognized by the National Committee for Quality Assurance, as a model. Created a survey on the qualities of collaborative care that was distributed to the doctors, nurses and staff, of which will be written up for publication and presented at a conference.

2/02 - 5/06University of California, San Diego - School of Medicine La Jolla, CA

Staff Research Associate

Contact: Dr. Brinda Rana

Research associate for the Polymorphism Research Laboratory that provides genomic, bioinformatics, and genotyping support for a two-year project in pharmacogenomics. Set up laboratory for sequencing and genotyping, which involved purchasing capital equipment (ABI 3100 capillary sequencer, Beckman-Coulter CEQ 8800, PyroSequencer, Biomek FX liquid handling system), establishing new protocols, and furnishing the lab with needed research tools and supplies. Also lead sequencing and SNP analysis efforts on a number of candidate genes involved

in hypertension. Other duties include sample organization and aliquoting, ordering, and training other technicians, students, and post-docs. Also, involved in bioinformatics looking at Linkage Disequilibrium (LD) between SNPs, and data analysis of LD plots.

6/01 – 9/01 Scios, Inc Sunnyvale, CA

Summer Research Associate

Our group focused on the work that protein kinases play in cells. Since kinases function as control points throughout the body, they make ideal targets for therapeutic treatment. My position focused on the genetics behind some protein kinases. Using restriction endonucleases, I isolated fragments of DNA, screened for them in bacteria, cloned them, and then transfected the DNA fragment into human kidney cells to understand their function. I also attended group lab meetings, and participated in the celebration of the company's first marketable drug to treat acute congestive heart failure.

6/00 – 9/00 NASA – Ames Research Center

Mountain View, CA

Summer Research Associate

Our study focused on the hypothesis that exposure to increased gravity over time, increases the body's ability to cope with hypergravity. Our experiments involved human subjects riding a 58-foot long, 20-G centrifuge for 22 hours nonstop. Subjects were fitted with a biosensor vest to measure heart rate, blood pressure and oxygen levels. My role in the experiment was to monitor subject's vitals at various times during the centrifuge study, assist in preparing the subject for study, and collect and analyze data. Also, in conjunction with the centrifuge study, I assisted in a Lower Body Negative Pressure (LBNP) test on human subjects to study the effect space has on the human cardiovascular system. My role during this study involved preparing the subject for the LBNP table and assisting in data analysis

TEACHING EXPERIENCE:

8/16 – Present **Texas A&M College of Nursing and Health Sciences**

Burleson, TX

Preceptor

Supervising physician for student APNs. Taught student APNs in the clinical setting on pathophysiology and various medical procedures.

5/14 – 6/15 Rutgers Robert Wood Johnson Medical School

New Brunswick, NJ

EKG Instructor

Developed weekly lectures on EKGs and presented to co-residents, medical students and faculty.

11/05 – 6/12 The Princeton Review

La Jolla, CA/Dallas, TX

MCAT/DAT/OAT Instructor

Contact: Patrick Bohn: 214-890-0099

Taught General Chemistry, Organic Chemistry, and General Biology to students. My duties included: developing the class lesson plans based on the Princeton Review method, leading discussions, conducting office hours, and administering practice tests.

7/08 – 5/09 **UNTHSC – Texas College of Osteopathic Medicine**

Fort Worth, TX

Osteopathic Manipulative Treatment Teacher's Assistant

Assisted the osteopathic faculty in teaching 1st year medical students osteopathic treatment and modalities once a week. My duties included: Preparing for week's OMT lecture, and assisting and teaching students proper OMT techniques.

6/03 – 8/04 Upward Bound Math & Science Program

La Jolla, CA

Science Instructor

Taught introductory bio laboratory techniques to high school students from underserved high schools. My duties included: developing daily lesson plans based on curriculum which was used for lectures, leading classroom discussions, conducting review sessions before tests, mentoring college bound students, and supervising a Teacher's Assistant.

9/97 – 6/99 Adventures in Science - University of California, Davis

Davis, CA

Science Instructor

Taught basic molecular biology to elementary and junior high school students. My duties included: assisting in development of science curriculum, developing daily lesson plans based on curriculum which was used for lectures, and leading classroom discussions.

PUBLISHED ARTICLES

Murthy KK, Womack JP. 2014. Does Exercise Promote Sleep in the Elderly? *Evidence-Based Practice*. Pending publication. Accepted 9/2016.

- Murthy KK, Murthy SL. 2014. An Infant with Simple Dermographism. Consultant for Pediatricians. 3(5):233.
- **Murthy KK**, Cheftiz DL. 2014. Cerebral Venous Sinus Thrombosis: A Case Report with Review of Diagnosis and Treatment Strategies. *J Clin Case Rep* 4:354.
- Knöll R, Postel R, Wang J, Krätzner R, Hennecke G, Vacaru AM, Vakeel P, Schubert C, **Murthy K**, Rana BK, Kube D, Knöll G, Schäfer K, Hayashi T, Holm T, Kimura A, Schork NJ, Toliat MR, Nürnberg P, Schultheiss HP, Schaper W, Schaper J, Bos E, Hertog JD, Van Eeden FJM, Peters PJ, Hasenfuss G, Chien KR And Bakkers J. 2007. Laminin Alpha 4 and Integrin-Linked Kinase Mutations Cause Human Cardiomyopathy via Simultaneous Defects in Cardiomyocytes and in Endothelial Cells. *Circulation*. 116(7):515-525.
- Glatt SJ, Bousman C, Wang RS, **Murthy KK**, Rana BK, Lasky-Su JA, Zhu SC, Zhang R, Li J, Zhang B, Li J, Lyons MJ, Faraone SV, Tsuang MT. 2007. Evaluation of OPRM1 Variants in Heroin Dependence by Family-Based Association Testing and Meta-Analysis. *Drug and Alcohol Dependence*. 90(2-3):159-165.
- Riddle EL, Rana BK, **Murthy KK**, Rao F, Eskin E, O'Connor DT, Insel PA. 2005. Polymorphisms and Haplotypes of the Regulator of G Protein Signaling-2 Gene in Normotensives and Hypertensives. *Hypertension*. 47(3):415-430.
- **Murthy KK**, Mahboubi VS, Santiago A, Barragan MT, Knoell R, Schultheiss HP, O'Connor DT, Schork NJ, Rana BK. 2005. Fidelity of Multiple Displacement Amplification to Generate a Renewable Source of Genomic DNA for Population Genetic Studies. *Human Mutation*. 26(2):145-152.
- Riddle EL, **Murthy KK**, Rana BK, Insel PA. 2005. Single Nucleotide Polymorphisms in the Human Gene for Regulator of G Protein Signaling 2 (RGS2). *Experimental Biology*. Abstract 636.11.

POSTERS, PRESENTATIONS & COMMUNITY EDUCATION:

- Murthy, KK. Summer Safety: Covering Some of the Hazards of the Summer Months. TTI, Inc. Fort Worth, TX, July 2016.
- **Murthy KK,** Krauser, PS. The Attributes of Collaborative Care in a Patient Centered Medical Home. Network of Affiliated Family Medicine Residencies' 23nd Annual Residents' Research Symposium. New Brunswick, NJ, June 2015.
- Murthy KK, Womack JP. 2014. Does Exercise Promote Sleep in the Elderly? Network of Affiliated Family Medicine Residencies' 23nd Annual Residents' Research Symposium. New Brunswick, NJ, June 2015
- **Murthy KK.** Introduction to Osteopathic Medicine, Osteopathic Manual Treatment, and Billing. Rutgers Robert Wood Johnson Medical School. New Brunswick, NJ, December 2014.
 - Murthy KK, Vaccines for Adults. Robert Wood Johnson Fitness and Wellness Center. New Brunswick, NJ, September 2014.
- Murthy KK, Lin, KW. Tar Wars: A Tobacco-Free Education Program for Kids from the American Academy of Family Physicians. Martin Luther King Elementary School. Edison, NJ, March 2014.
- **Murthy KK**, Heinicke GA, Pagán JA. Emergency Response: Developing a Pandemic Response Plan for the City of Plano. University of North Texas Health Science Center Public Health Experience Poster Session. Fort Worth, TX, May 2012.

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EMPLOYMENT

Physician, gastroenterologist

06/2015 - Present

- -Practice general gastroenterology including outpatient clinic, inpatient consultation, and general endoscopy.
- -Perform general endoscopy with esophagoduodenoscopy and colonoscopy, capsule endoscopy, Bravo, Smart Pill, hemorrhoidal banding, and breath tests.
- -Build the gastroenterology department by setting up satellite clinics, endoscopy, training staff, and tracking quality measures.
- -I am a member of the USMD Bariatric Committee. Recently, I attended an ASGE bariatric endoscopy course and received a certificate of achievement of competency and training to perform ReShape, a non-surgical intragastric balloon for weight loss.
- -Interests in patient education, improvement projects, women's health, physician leadership, and medical education.

USMD, a multispecialty organization in the Dallas-Fort Worth, Texas.

Clinical Lecturer

07/2013 - 01/31/2015

 Non-tenure track appointment with emphasis on clinical and teaching responsibilities and also included call coverage for the VA Ann Arbor Hospital.

Internal Medicine/Gastroenterology Department University of Michigan Ann Arbor, Michigan

EDUCATION

Gastroenterology Fellowship The University of Michigan Ann Arbor, Michigan

07/2010 - 06/2013

Internal Medicine Residency

07/2007 - 06/2010

The University of Texas at Southwestern/Parkland Hospital System

Dallas, Texas

Doctor of Medicine

08/2003 - 06/2007

The University of Texas Medical Branch at Galveston

Galveston, Texas

Bachelor of Science in Biology The University of Texas at Arlington Arlington, Texas 06/1999 - 05/2003

ERTIFICATION / LICENSURE	
Gastroenterology, Board Certified	2013
Internal Medicine, Board Certified	2010
Medical License, State of Texas	2015 - Present
Medical License, State of Michigan	2013 - Present
HONORS / AWARDS	
American Gastroenterological Association Student Research Fellowship Award	2009
Carl J. Herzog Academic Scholarship	2003 - 2007
Alpha Chi Honor Society	2003
University Scholar	1999 - 2003
PROFESSIONAL AFFILICATIONS	
Association for Bariatric Endoscopy	2016 - Present
American Gastroenterological Association	2013 - Present
American Society for Gastrointestinal Endoscopy	2010 - Present
American College of Gastroenterology	2010 - Present
Patient care committee	2015 - Present
American College of Physicians	2007 - 2010
TEACHING EXPERIENCE	
Gastrointestinal Course Medical Students Group Moderator	2014
Gastroenterology Fellows' Endoscopy and Clinic Staff	2013
VOLUNTEERING EXPERIENCE	
Michigan Hoalth Fair	2010 - 2013
Michigan Health Fair Saint Vincent Health Clinic	2010 - 2013
Saint vincent neath clinic	2003 - 2007
ANGUAGES	
English and Vietnamese	

References available upon request.

REFERENCES

Curriculum Vitae Peter Van Nguyen, M.D.

Personal: Address and phone: 2801 Katherine Court

Arlington, Texas 76016

Cell: 817-707-1787

Marital Status: Married

Citizenship: United States of America

Medical Licenses: L3769

Undergraduate

Education: University of Houston, Houston, Texas

Bachelor of Science, Biology 09/1991-12/1994

Medical Education: University of Texas Medical School, Houston, Texas

08/1995 - 06/1999

Residency: Baylor College of Medicine- Internal Medicine. Houston, Texas

06/1999 - 06/2002

Fellowship: Baylor College of Medicine- Nephrology. Houston, Texas

09/2003-08/2005

Nephrology, Chief Fellow 2004-2005

Interventional Nephrology- Bamberg County Hospital and Nursing Center. Under supervision and training of Dr. John Ross, Chief of

Surgery.

10/03/05-10/26/05

Specialty Boards: Internal Medicine: ABIM -- 2002, 2013

Nephrology: ABIM -- 2005, 2015

Awards/Honors: Chief Nephrology Fellow, 2004 – 2005

Novartis Community Service Award 06/99- UT Medical School Honors in Gross Anatomy, Histology, Immunology, Microbiology

UT Medical School 1995 - 1996

Alpha Epsilon Delta- Phi Epsilon Sigma Honor Society 1992-94

Alpha Epsilon Delta- Premedical 1991-94 Dean's List, University of Houston 1991-94

Professional: August 2016- Present, Chief Medical Officer and Quality Officer

PPG Health Fort Worth, TX

December 2012-August 2016, Medical Director for Dialysis

Texas Health Harris Methodist Hospital Fort Worth, TX

January 2015- December 2017, Physician Champion North Texas Respecting Choices, NTSP Fort Worth, TX

August 2006- Present, Clinical Director USRC Tarrant Dialysis Center Fort Worth, TX 76104

August 2006- Present, Private Practice Clinical Nephrologist Tarrant Nephrology Associates Fort Worth, Texas 76104

September 2005- July 2006, Private Practice Clinical Nephrologist Renal Specialist of Houston, PA Houston, Texas 77030

September 2002-September 2003, Inpatient Consultants of Houston- The Methodist Hospital 6565 Fannin St, Houston, Texas

Professional

Memberships: American Society of Diagnostic and Interventional Nephrology

American Society of Nephrology Tarrant County Medical Society

Vietnamese Health Professions Association Dallas-Fort Worth

Precinct 2 JPS Healthcare Advisory committee

Presentations: Baylor Citywide Hematology Grand Rounds (4/01)-

Acquired Factor V Inhibitor, Platelet Therapy

Baylor Citywide Infectious Disease Grand Rounds (7/11/01)

"Primary Cutaneous Cryptococcal Infections"

Baylor Renal Grand Rounds (6/29/05): "Catheter Related Infections: Challenges in Diagnosis and Management"

Research: 7/2009-10/2013: A Phase 2, Randomized, Open-Label Active-

Comparator (Epoetin alfa) and Single-Blind Placebo-Controlled, Dose Ranging Safety and Exploratory Efficacy Study of XXXXX in Subjects with End-Stage Renal Disease Receiving Maintenance

Hemodialysis

3/2011-12/2013: A Randomized, Placebo-Controlled, Phase III Study of Dialysate Containing XXXXX in Chronic Kidney Disease

Patients Receiving Hemodialysis: The Continuous Replacement Using Iron Soluble Equivalents Study

7/2012-7/2013: A four-week, Phase IIa, randomized, active-controlled, parallel-group, multi-center study to evaluate the safety, efficacy and pharmacokinetics of switching subjects from a stable dose of recombinant human erythropoietin to XXXXXX in hemodialysis-dependent subjects with anemia associated with chronic kidney disease.

10/2012-3/2014: A Randomized, Double-Blinded, Placebo-Controlled, Crossover, Multicenter Phase III Safety Study of XXXXX in Dialysate in Chronic Kidney Disease Patients Receiving Chronic Hemodialysis

10/2013-4/2014: A Phase 2B, Double-blind, Randomized, Placebo-controlled, Proof-of-concept Study of an Oral Vitamin D Compound (XXXXX) in Secondary Hyperparathyroidism in Patients on Hemodialysis

5/2013-present: A Randomized, Double-blind, Placebo-controlled Phase 3 Study to Assess the Efficacy and Safety of XXXXX in the Treatment of Secondary Hyperparathyroidism in Subjects with Chronic Kidney Disease on Hemodialysis

3/2014-present: A Multicenter Open-label Extension Study to Assess the Long-term Efficacy and Safety of XXXXXX in the Treatment of Secondary Hyperparathyroidism in Subjects with Chronic Kidney Disease on Hemodialysis

10/2010-present: A Phase II, Randomized, Open-Label Active-Comparator (XXXXX) and Single-Blind Placebo-Controlled, dose Ranging Safety and Exploratory Efficacy Study of XXXXX in Subjects with End-Stage Renal Disease Receiving Maintenance Hemodialysis.

June 2009-April 2010: An Open Label, Randomized, Controlled, Parallel Group, Phase III Study to Investigate the Safety and Efficacy of XXXXX and XXXXX Together with a Randomized Placebo Controlled Double Blind XXXXX Comparison in Hemodialysis Patients with Hyperphosphatemia.

Publications:

Nguyen, PV, Merszei J, Patel R, Truong LD, Ramanathan V. Acute Renal Failure after Liposuction. Ren Fail.2005:27(6):787-90

Extracurricular:

4/1995-2/1998 Annual Health Fair at downtown community center

Diabetes/ blood pressure/cholesterol screening

09/1996 Organized first Annual Immunizations Fair at UT for

Children and adults

11/1996 Good Neighbor Clinic- Safety and health awareness

05/1992 – 08/1993 Hermann Hospital – Volunteer in ER

09/1991-09/1993 La Vang Church- Assistant Vietnamese Teacher

1988-1995 Leader of Vietnamese Eucharistic Youth Group.

Timothy Niacaris, M.D., Ph.D.

1500 S. Main Street Fort Worth, Texas 76104 tniacari@jpshealth.org (682) 200-9846

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2017 - Present Chief Medical Informatics Officer Fort Worth, TX JPS Health Network John Peter Smith Hospital Acclaim Physician Group 2011 - Present Fort Worth, TX Assistant Professor and Chief of Hand Surgery Department of Orthopaedic Surgery Division of Hand, Upper Extremity and Microvascular Surgery Acclaim Physician Group - John Peter Smith Hospital Network University of North Texas Health Science Center **Principle Duties:** Manage the Hand and Upper Extremity Surgery needs of UNTHSC and JPS Health Network, including Fort Worth's only Level 1 Trauma Center at JPS Hospital Coordinate Hand Surgery Education for the JPS Orthopaedic Residency Program Chair, JPS Health Network Medical Records Committee - Member, JPS Health Network Medical Executive Committee 2010 - 2011Fellow, Orthopaedic Hand Surgery Baltimore, MD Curtis National Hand Center - Union Memorial Hospital 2006 - 2010Resident, Orthopaedic Surgery San Diego, CA University of California, San Diego Medical Center 2005 - 2006Research Fellow San Diego, CA Department of Orthopaedic Surgery University of California, San Diego Tissue and Cartilage Engineering Laboratory "Characterization of the intrinsic properties of rotator cuff tenocytes" 2004 - 2005Surgical Intern San Diego, CA Department of General Surgery University of California, San Diego **EDUCATION** Medical: **University of Texas** 1996 - 2004M.D. Dallas, TX **Southwestern Medical Center** Graduate: 1997 - 2001Ph.D. **University of Texas** Dallas, TX **Southwestern Medical Center** Genetics and Development Department of Molecular Biology and Oncology Doctoral Thesis "Serotonergic and G-Protein mediated regulation of the C. elegans pharyngeal muscle action potential" Undergraduate: 1992 - 1996B.S. University of California, Riverside Riverside, CA Majors: Biology and Psychology

RESEARCH EXPERIENCE

2005 - 2006Research Fellow

> Department of Orthopaedic Surgery University of California, San Diego

Summa cum laude

Tissue and Cartilage Engineering Laboratory

"Characterization of the intrinsic properties of rotator cuff tenocytes" Advisors: David Amiel, Ph.D. and Robert Pedowitz, M.D. Ph.D.

2003 – 2004 Research Assistant

Department of Orthopaedic Surgery

University of Texas Southwestern Medical Center at Dallas

"Post-traumatic stress disorder symptoms in pediatric orthopaedic trauma patients"

Advisor: Adam Starr, M.D.

1997 – 2001 Graduate Student, Genetics and Development

Department of Molecular Biology and Oncology

University of Texas Southwestern Medical Center at Dallas

"Serotonergic and G-protein mediated regulation of the C. elegans pharyngeal muscle

action potential"

Advisor: Leon Avery, Ph.D.

1994 – 1996 Research Assistant

Department of Psychiatry

University of California, Riverside "Goals and adaptation to college life"

Advisor: Daniel Ozer, Ph.D.

1993 – 1996 Research Assistant

Department of Chemistry

University of California, Riverside

"Characterization of heparin-binding peptides using nuclear magnetic resonance

spectroscopy"

Advisor: Dallas Rabenstein, Ph.D.

PUBLICATIONS

Pientka, W.F., **Niacaris, T.R.**, Caragea, M.A., Lichtman, D.M. (2016) *Minimally Invasive and Miscellaneous Surgical Techniques for the Treatment of Kienbock's Disease*: Advances in Diagnosis and Treatment, edited by Bain, G.I. and Lichtman, D.M.

- Pientka, W.F., Hanalla, B.T., Barber, R.B., **Niacaris, T.R.**, Lichtman, D.M. (2016) *Natural History and Classification of Kienbock's Disease* in Kienböck's Disease: Advances in Diagnosis and Treatment, edited by Bain, G.I. and Lichtman, D.M.
- Niacaris, T., Wong, V.W., Patel, K.M., Januszyk, M., Starnes, T., Murphy, M.S., Higgins, J.P. (2015) Common radiographic imaging modalities fail to accurately predict capitate morphology. *Hand* 10, 444-49
- **Niacaris, T.**, Ming, B.W., Lichtman, D.M. (2015) Midcarpal Instability: A Comprehensive Review and Update. *Hand Clinics* **31**, 487-93
- Ming, B.W., **Niacaris, T.**, Lichtman, D.M. (2014) Surgical Techniques for the Management of Midcarpal Instability. *Journal of Wrist Surgery* **3**, 171-74
- Lichtman, D.M., Heim, K.A., **Niacaris, T.** (2014) *Kienböck's Disease*, in Operative Orthopedics of the Upper Extremity, edited by Slutsky, D.J.
- Sanders, M., Starr, A., Frawley, W., McNulty, M., **Niacaris, T.** (2005). Posttraumatic stress symptoms in children recovering from minor orthopaedic injury and treatment. *Journal of Orthopaedic Trauma* **19**, 623-28.
- **Niacaris, T.** and Avery, L. (2003). Serotonin regulates repolarization of the *C. elegans* pharyngeal muscle. *Journal of Experimental Biology* **206**, 223-31.
- Tsalik, E., **Niacaris, T.**, Wenick, A., Pau, K., Avery, L. and Hobert, O. (2003). LIM homeobox genedependent expression of biogenic amine receptors in restricted regions of the *C. elegans* nervous system. *Developmental Biology* **263**, 81-102.

Robatzek, M., **Niacaris, T.**, Steger, K., Avery, L. and Thomas, J. H. (2001). *eat-11* encodes GPB-2, a $G\beta_5$ ortholog that interacts with $G_o\alpha$ and $G_q\alpha$ to regulate *C. elegans* behavior. *Current Biology* **11**, 288-93.

TEACHING EXPERIENCE

2012 – Current	Musculoskeletal Course Instructor – Hand and Upper Extremity University of North Texas Health Science Center School of Health Professions
2011 – Current	Director – Hand and Upper Extremity Curriculum JPS Health Network Orthopaedic Residency Program
2003 – 2013	Genetics Course Director / Instructor Falcon Reviews / Becker Professional Education American University of Antigua College of Medicine
1997 – 1999	MCAT Course Instructor / Course Development / Marketing Coordinator Kaplan Educational Centers – Dallas, Texas
1997	Neuroanatomy Course Instructor University of Texas Southwestern Medical Center at Dallas Department of Neurology
1995 – 1996	Teaching Assistant – Medical Microbiology University of California, Riverside Department of Microbiology
1995 – 1996	Teaching Assistant – Medical Embryology University of California, Riverside Department of Biology

LICENSURE

2011 – present	Texas N9755
2006 - present	California A95129
2010 - present	Maryland D0070392 (Inactive)

BOARD CERTIFICATION

American Board of Orthopaedic Surgery Certificate of Added Qualifications (CAQ) in Hand Surgery

PROFESSIONAL ORGANIZATIONS

College of Healthcare Information Management Executives (CHIME)
American Medical Informatics Association (AMIA)
Association of Medical Directors of Information Systems (AMDIS)
American Academy of Orthopaedic Surgeons (AAOS)
American Society for Surgery of the Hand (ASSH)

Member – Physician Coding and Reimbursement Committee
Member – Resident Education Committee

AWARDS AND RECOGNITION

Physician of the Year – JPS Health Network 2016 Fort Worth Magazine – Top Docs – 2014, 2015, 2016, 2017

Wm. Bart Pate, M.D.

15 Buccaneer Ct.
Fort Worth, TX 76179
Home 817 236-4224
pager 817 930-7206
Cell 817 989-7777
email wpate@jpshealth.org

Business:

Department of Family and Community Medicine
Family Practice Residency Program 817 927-1200
John Peter Smith Hospital
1500 S. Main Street
Fort Worth, Texas 76104

Education/Training:

1970-71

Texas		
	1969-70	U.S. Army - Battalion Surgeon 1/32nd - 7th Division , Korea
	1968-69	Internship - R.E. Thomason General Hospital - El Paso, Texas
	1968	M.D. University of Texas Medical Branch - Galveston
	1964	B.A. University of Texas - Austin, Texas
Wank F	xperience:	
AA OLK C	2004 - Present	Quality Assumence and Utilization Davious - TDS
	2004 - Present	Quality Assurance and Utilization Review - JPS
		Co-Director of Utilization Management - JPS
	1998 - present	Associate Professor - Family Practice Residency Program
		John Peter Smith Hospital, Fort Worth, Texas
	1990 - present	Attending Staff for Inpatient Medicine / FP services at JPS
	1990 - 1997	Clinical Assistant Professor - Family Practice Residency
		John Peter Smith Hospital, Fort Worth, Texas
	2002 - 2005	Emergency Medicine - Southwest Medical Associates
	1990-1996	Emergency Medicine - EM Care
	1971-90	Active Medical Staff - Big Bend Memorial Hospital
		Alpine, Texas
	1971-90	Women's Health, Surgery, and Emergency Medicine
		Sports Medicine, University Health, AME, etc
	1971-90	Private Practice - Alpine, Texas
	1975-76	Weekend Emergency Department Medicine
	20.2 AT	Providence Memorial Hospital and Sun Towers Hospital
		and the second s

El Paso, Texas

U.S. Army - William Beaumont General Hospital - El Paso,

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Professional Affiliations:

2004 - Present	American Board of Quality Assurance and Utilization Review Physicians (Certified 2004)
2008 - present	Assistant Professor - Texas A&M Health Science Center
1998 - Present	Associate Professor - U.T. Southwestern Medical School
1990-1997	Clinical Assistant Professor - U.T. Southwestern Medical School
	Family Practice Residency at John Peter Smith Hospital
	Fort Worth, Texas
1975-90	Associate Clinical Professor -Texas Tech University School
	of Medicine
1972 - 2015	American Board of Family Practice (Certification and
	Recertification)
2005	Recertification
1998	Recertified - AAFP
1992	Recertified - AAFP
1985	Recertified - AAFP
1979	Recertified - AAFP
	Fellow, American Academy of Family Physicians
1973	Board certified - American Board of Family Practice
	Diplomate, American Board of Family Practice

Professional Organizations:

American Board of Quality Assurance and Utilization Review Physicians

Texas OB/GYN Association - 1985 - Present

American Fertility Society

Texas Medical Association - 1971-Present

American Academy of Family Physicians - 1972 - present

Texas Academy of Family Physicians - 1972 - present

Texas Medical Association - 1971 - present

Tarrant County Medical Society July 1990 - present

Tarrant County Academy of Family Physicians July 1990 -present

Texas Rural Health Association Board of Directors 1997-1998

American Board of Quality Assurance and Utilization Review Physicians (ABQAURP)

Licensure and Certifications:

Texas State Board of Medical Examiners - Lic. No. D-5148

ACLS, 2006

ALSO Director, 1998 - 2009; Advisory Faculty 2004 - present

ATLS-1998

American Board of Family Practice - 1973, 1979, 1985, 1992, 1998, 2005

CDLS - 2004 AWLS 2009, 2010, 2011

ABQAURP - 2004 - present (CHCQM in Managed Care, Case Management, and

Patient Safety / Risk Management

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Credentials:

Family Medicine

OB-Gyn - plus post partum BTL's & Cone Biopsies

Surgery to include Breast Biopsies

Academic Interests:

Teaching Medical Students & Resident Physicians
Encouraging all those interested in a medical career

OB/GYN & Surgery
Rural Medicine Program for JPS

Women's Health
Breast Cancer

Diagnosis and Treatment of Abnormal Pap Smears
Pharmacy & Therapeutics Committee 1991-1995

Program Coordinator for GI Symposium, Nov. 1991

Chairman of The Scope of Services and Care Committee - JPS - 2005 - present

Director of Utilization Management - JPS - 2005 - present

Medical Executive Committee - JPS - 2005 - present

Academic Interests (Cont.):

Medical Education (for students, residents and practicing doctors and nurses)

Quality Assurance and Utilization Review - JPS - 2004 to present

QA and UR - Alpine, Texas 1971 - 1990

JPS Grand Rounds @ Snowmass 1997

JPS Grand Rounds @ Key West 1998

JPS Grand Rounds @ Breckenridge 1999

JPS Grand Rounds @ Breckenridge 2000

JPS Grand Rounds @ Copper Mountain 2001

JPS Grand Rounds @ Breckenridge 2003

JPS Grand Rounds Cruise to Cozumel - 2006

Advanced Life Support Obstetrics (ALSO) 1998 - present (yearly)

Fundamentals of Critical Care Medicine (FCCM)

Advanced Cardiac Life Support (ACLS)

Offices and Honors:

Past President District I - TMA

Past President TAFP - Permian Basin Chapter

Past President - Big Bend Counties Medical Society

Chief of Staff - Brewster Memorial Hospital - 4 terms

Board Member - Big Bend Hospital 1981-89

Board Member BBRH Endowment Fund

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Page 4 WBP

Board Member - MedNet Project - Satellite/Rural Health Project Texas Tech Medical School 1989

Organizational Director of Medical Meeting - TAFP Annual Seminar (10 years)
Board Member for Texas Rural Health Association, 1994-1998

Hospital Privileges:

John Peter Smith Hospital (Active)

Lectures and Presentations:

University of Texas Southwestern (2-3 X yearly for last several years)

Abdominal Pain

Gyn Procedures for Family Medicine Board Review Course

Texas Academy of Family Physicians

Gyn Procedures Workshop

National Rural Health Association (2001)

Domestic Violence in Rural Settings

Alternative Hormone Replacement Therapy

John Peter Smith Hospital Department of Family Medicine

Abnormal Paps, Prenatal Care, One Day at JPS, various OB / Gyn topics

Breast Problems, Breast Cancer and Breast Surgery

Ethics

ERT & HRT

Vasectomy

Abnormal Paps / Colposcopy / Leep / CKC

Plus many more I did not record here.

Appointments:

Associate Professor 1997 - present Director Rural Track 1994 - present

Sir della i i della i i prodetti

Director of Utilization Management - John Peter Smith Hospital - 2005 - present John Peter Smith Hospital Family Medicine Alumni Foundation - Board Member -

2005 - Present

Memberships:

Texas OB/Gyn Association
TMA, TCMS
AAFP, TAFP, TCAFP (excluding 2011)

Texas Rural Health Association Board of Directors - 1994-1998

Wilderness Medical Society (Instructor)

ABQAURP, AHRQ

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Current Committee Appointments (2005 - 2006)

John Peter Smith Hospital

Medical Executive Committee (Utilization Mgmt. & Quality)
Quality Improvement Committee, Medical Records Committee

Case Management Committee Scope of Services Committee

Chairs Committee

Multidisciplinary Cancer Committee

Department of Family Medicine - JPS

OB Committee

Curriculum Committee,

Quality / Utilization Management Committee

Other Pertinent Qualifications:

Team Physician - Alpine High School, Sanderson ISD, Sul Ross State University - various years 1971 - 1990

NAUI Scuba Diving Certified - 1972 - Instructor in Medical Aspects of Scuba Diving

Ham Radio Operators License - Technician 1985 - WD5AAG

Private Pilot License - 1975

Instrument & Commercial Rating 1977

Expert Skier (but now just OK)

Rancher, carpenter, electrician and plumber

Grandfather in training

WBP 8-2011

CURRICULUM VITAE

NAME: RITA M. PATTERSON DATE: 21 March, 2017

I. PRESENT POSITION AND ADDRESS:

Professor with Tenure

University of North Texas Health Science Center

College of Osteopathic Medicine:

Department of Manipulative Medicine, Research Division Director OMM Graduate Advisor

Graduate School of Biomedical Sciences:

Graduate Faculty, Category III

Rita M. Patterson, Ph.D.
University of North Texas Health Science Center
OMM
3500 Camp Bowie Blvd. CBH 403
Fort Worth, TX 76107
817-735-2318
rita.patterson@unthsc.edu

Citizenship: United States of America

II. EDUCATION

September 1991- The University of Texas Medical Branch, Galveston, TX Preventative Medicine and Community Health Math Modeling.

Degree: Ph.D. in Biomedical Sciences <u>Dissertation Title:</u> The Efficacy of Dynamic External Fixation for Treatment of Distal Radius Fractures

Using 3D Kinematic Analysis.

September 1983- Texas A&M University, College Station, TX
August 1986 Degree: Master of Engineering in Bioengineering

September 1985- Bioengineering Internship

August 1986 Texas Scottish Rite Hospital for Crippled Children Dallas, TX

September 1980- Baylor University, Waco, TX

May 1983 Degree: B.S. 1984 Engineering Sciences

CONTINUING EDUCATION/ADVANCED TRAINING:

<u>January 2000-June 2000</u>	Fellowship in Health Informatics and Computer-based Education (10-20% per week).
January 2000-June 2000	Member of a development team investigating theoretical approaches to education using computers, by developing educational applications in three areas: whole web based courses, multimedia instructional modules, and problem-based case simulations.
May 6-7, 1999	Teaching Improvement Process System, A Workshop for Health Science Educators and Instructors, UTMB, Galveston, TX.
<u>1999-2001</u>	U.T.M.B. Education Scholars Program (3 hours per month for 18 months).
2002	Scientific Writing for Clinical Research, 8 hour course given by Constance Baldwin.
2000-2007	Statistical consultant for faculty and resident research projects in the department of Orthopaedics and Rehabilitation.
<u>1995-2007</u>	Director for all Motion Analysis (kinematics) projects in the department of Orthopaedics and Rehabilitation and consultant to the Department of Physical Therapy, SAHS for their motion analysis system and projects.
<u>2010-2011</u>	UNTHSC, Management Leadership Development program.
July 27, 2013	5 th Annual Adventures in Autism Intervention and Research Conference.

III. PROFESSIONAL AND TEACHING EXPERIENCE

Professor with tenure Sept. 1, 2007 - Present

University of North Texas Health Science Center Department of Family and Osteopathic Manipulative Medicine (OMM)

Graduate School of Biomedical Sciences

OMM, Research Division Director	Nov. 1, 2010 - Present
OMM, Graduate Advisor	Nov. 1, 2012 – Present
Chair, Intellectual Property Advisory Committee (IPAC)	Sept. 1, 2013 - Present

Physical Medicine Institute Sept 2007 – Aug 2010

Fort Worth, TX

Adjunct Professor Jan 2017 – present

University of North Texas Biomedical Engineering

Denton, TX

Adjunct Professor Sept. 2008 – present

The University of Texas Medical Branch

Department of Orthopaedic Surgery & Rehabilitation

Galveston, TX

Adjunct Professor Sept. 2014 – present

Southern Methodist University

Department of Applied Physiology and Wellness

Dallas, TX

Associate Professor & Deputy Director, Biomechanics, Sept. 2000-Aug. 31,

2007 Awarded Tenure 2002.

The University of Texas Medical Branch

Department of Orthopaedic Surgery & Rehabilitation

Division of Research

Galveston, TX

Associate Member, of the Graduate Faculty,

July 30, 1999-

Aug.31,'07

The University of Texas Medical Branch Graduate School of Biomedical Sciences

Galveston, TX

Professor, School of Allied Health Sciences Dec. 2002-2008

Division of Rehabilitation Sciences

Adjunct Professor, Biomedical Engineering,

Texas A&M University September 1996-2001

College Station, TX

Statistical Consultant May 1987-Aug. 31,

2007

Department of Orthopaedics and Rehabilitation faculty and residents

The University of Texas Medical Branch

Department of Orthopaedic Surgery & Rehabilitation

Galveston, TX

Assistant Professor & Deputy Director, Biomechanics,

The University of Texas Medical Branch

Department of Orthopaedic Surgery & Rehabilitation

Division of Research

Galveston, TX

Biomedical Engineer & Deputy Director of the

Orthopaedic Biomechanics Laboratory, The University of Texas Medical Branch

Department of Orthopaedic Surgery & Rehabilitation

Galveston, TX

Researcher, Human Performance Laboratory

Texas A&M University

College Station, TX

Investigation of electromyogram controlled systems,

and circuit fabrication and design.

Biomedical engineering intern,

Texas Scottish Rite Hospital for Crippled Children, Dallas, TX

Performed clinical and technical measurements of kinematics in the gait lab, tens units in the scoliosis clinic, evoked potentials in the operating room and strength in

muscular dystrophy children.

IV. HONORS:

Research:

September 2014 Thranhardt Lecture Award from the American Orthotics &

Prosthetics Association for our project titled "Functional Performance and Evaluation of Dynamic Response Feet"

August 1995-2000

May 1987-August 1995

January 1987-May 1987

September. 1985-August 1986

October 2014 Reviewer's choice award (top 5% of posters) for poster titled,

Functional Task Analysis for Human-Machine Performance Limits, at the Biomedical Engineering Society, San Antonio,

TX, October 22-25, 2014.

April 2013 Second place award for best Master student in the graduate

school: Bens, S., Mason, D., Bugnariu, N., Longnecker, R., Carr, C., Patterson, R. Osteopathic Management of Leg Length Inequality with Heel Lift Therapy: Analysis of Altered Gait

4

Kinetics & Kinematics. UNTHSC Research Appreciation Day, April 12, 2013.

April 2012

Award for Best General Resident Research Poster: James, S., Longnecker, R., Bugnariu, N., Patterson, R.M., Effect of age on performance of tasks with spatial conflict, RAD, (UNTHSC Research Appreciation Day), 2012.

April 2012

Osteopathic Manipulative Medicine IM Korr PhD Memorial Award: James, S., Longnecker, R., Bugnariu, N., Patterson, R.M., Effect of age on performance of tasks with spatial conflict, RAD, (UNTHSC Research Appreciation Day), 2012.

September 2006

Award for Best Scientific Content for Scientific exhibit: Nanno, M., Buford, W.L., Patterson, R.M., Andersen, C.R., and Viegas, S.F.. Three-dimensional analysis of ligamentous attachments of the carpometacarpal joints. 61st Annual Meeting of the American Society for Surgery of the Hand, Washington DC.

June 2005

Mentored, Summer Medical Student Michael Nash who received an award for the Best Family Medicine/Primary Care Poster at the Summer Medical Student Poster Competition: titled A Comparative Analysis of Extrinsic Abdominal Muscle Activity During Exercise Using Surface Electromyography

September 2004

Award for Best Scientific Content for Scientific exhibit: Koh, S.; Buford, W.L., Jr.; Anderson, C.; Patterson, Rita and Viegas, S.F. Intrinsic muscles of the hand: anatomy, kinematics and computer analysis. 59th Annual Meeting of the American Society for Surgery of the Hand. New York City, New York.

September 2003

Awarded Best Scientific Content -Nagao, S.; Buford, W.L., Jr.; Shah, M.; Viegas, S.F.; Patterson, R.M. Three dimensional description of ligamentous attachments around the lunate, 58th Annual Meeting of the American Society For Surgery of the Hand, Chicago, II.

October 2002

Award for Best Layout and Presentation for Scientific exhibit entitled, Real Time Computer Simulation and Cadaver Analysis as a Basis for Devising Novel Procedures in Hand Surgery at the 57th Annual Meeting of the American Society for Surgery of the Hand in Phoenix, Arizona.

October 2000 Awarded the Emanuel B. Kaplan Award for anatomical

> excellence in surgery of the hand. Paper presentation entitled, The Scaphotrapeziotrapezoid Joint: An Anatomy, Radiographic

and Kinematic Study at the 55th Annual Meeting of the American Society for Surgery of the Hand in Seattle,

Washington.

November 2000 Award for the Best Upper Limb paper. El-Shennawy, M.;

> Nakamura, K.; Patterson, R.M.; Viegas, S.F. Three dimensional kinematic (3-D) analysis of the normal motion of the 2nd through 5th CMC joints. Annual International Congress of the E.O.A.,

November 13-16, 2000.

September 2000 Award for Best Scientific Content for the Scientific Exhibit.

> Nakamura, K.; El-Shennawy, M.; Patterson, R.M.; Viegas, S.F. The second through fifth carpometacarpal joints: anatomy and kinematics analysis. A joint collaboration with Marianna University Hospital, Tokyo Japan. 55th Annual Meeting of the American Society for Surgery of the Hand, Seattle, WA, October

5-7, 2000.

June 1999 Mentored, Summer Medical Student Robert Ordonez who

> received an award for the Summer Medical Student Poster Competition: Novice Investigator for Posterior Tibial Tendon

MRI Study.

September 1999 Award for Best Scientific Content for the Scientific Exhibit.

> Moritomo, H.; Viegas, S.F.; Patterson, R.M.; Elder, K.; Nakamura, K.; DaSilva, M.F.; The STT joint-anatomic, radiographic and kinematic study. 54th Annual Meeting of the American Society for Surgery of the Hand in Boston, MA,

September 2-4, 1999.

January 1998 Outstanding Young Scientist Award in recognition of professional

> achievements and contributions to research and education in biomedical Engineering from the Houston Society for

Engineering in Medicine and Biology, Houston, TX.

November 1997 Co-author on a paper selected as a finalist in the student paper

> competition, master's level A Three Dimensional Computer Simulation for Interactive Adjustment of Multiple Axes of Motion for the Upper Extremity, International Mechanical Engineering

Congress and Expo., Dallas, TX.

Curriculum Vitae, Ri	ta M. Patterson, Ph.D.
September 1997	Award for Best Scientific Content for The Scientific Exhibit. Yamaguchi, S.; Beppu, M.; Viegas, S.F.; Patterson, R.M.; The pisotriquetral joint: Anatomy and kinematics. A joint collaboration with Marianna University Hospital, Tokyo JAPAN. 52 nd Annual Meeting of the American Society for Surgery of the Hand in Denver, CO.
April 18, 1997	Award for Clinical Research, from the American Medical Association to student Richard Garza for the oral presentation. Garza, R.; Esch, O.; Mathru, M.; Patterson, R.M.; Brunder, D., Hillman, G.; Willcott, M.W.; VanSonnenberg, E. Comparison of computer aided 3-d reconstructions and traditional 2-d films of upper airway mr images in healthy and anesthetized volunteers. The National Student Research Forum, Galveston, TX.
October 1994	Award for Best Scientific Content for the Scientific Exhibit. Nicodemus, C.L.; Viegas, S.F.; Elder, K.W.; Patterson, R.M.; Kinematic analysis and dynamic visualization of the carpus. 49 th Annual Meeting of the American Society for Surgery of the Hand, Cincinnati, OH.
Professional:	
2013	UNTHSC Woman of Honor at the Women of Distinction Girl Scouts luncheon May, 2, 2013.
2012	American Society of Mechanical Engineer dedicated service award. This award for service is given to only 40 individuals in a year from over 120,000 members in 150 countries worldwide.
2011	Completed the UNTHSC Management Development Program. Six months with approximately 24 hours contact time.
2007	Inducted as a Fellow of the American Society of Mechanical Engineering (ASME).
2005	Special Guest of the School of Allied Health at the Dec. 2005 Graduation.
2005	Academic Keys Who's Who in Medical Sciences Education (WWMSE).
2003	Appointed Faculty member in the Division of Rehabilitation Sciences, School of Allied Health Sciences.
1999	Appointed Graduate School Faculty Member.

1998	Outstanding Young Scientist Award from the Houston Society for Engineering in Medicine and Biology, Houston, TX.
1997	The 31 st edition of Outstanding Young Women of America.
1997	Houston Society for Engineering in Medicine and Biology, H.S.E.M.B., Citation for Outstanding Service.
1992-1994	Marquis Who's Who of American Women, 18 th , 19 th , and 20 th edition.
1994 edition.	2,000 Notable Women, by the American Biographical Institute, 6 th

V. TEACHING RESPONSIBILITIES/ADVISOR/MENTORING

<u>UNTHSC – Fort Worth</u>

2014	Biological Issues in Autism (3 semester hour course) team taught with 2 other				
	faculty, UNT College of Education.				
2014- present	Basic Biomechanics (2 semester hour course) in the Structural Anatomy and				
	Rehabilitation Sciences Graduate program, UNTHSC Graduate School.				
2014-present	Biomechanics and Research design, UNTHSC Sports Medicine Fellowship				
2012-present	Biomechanics series of lectures (3, one hour lectures) to first year TCOM				
	students in OMM curriculum.				
2011	Biomechanics and Kinematics to the first year Doctor of Physical Therapy				
	students (DPT), 6 hours of lecture.				
2011	Biomechanics series of lectures (7, one hour lectures) to first year TCOM				
	students in OMM curriculum.				
2010	Biomechanics lecture to 2 nd year TCOM students in OMM curriculum.				

<u>University of North Texas – Denton, TX</u>

Biomechanics, 3 semester hour required upper level course.

Southern Methodist University

Fall 2014	Biomechanics (4 hour semester course) with Peter Weyand at SMU School of		
	Education & Human Development.		
Spring 2015	Biomechanics (3 hour semester course) at SMU School of Education & Human		
	Development, sports management program.		
Fall 2015-2016	6 Anatomy lab and kinematics lectures with Peter Weyand at SMU School of		
	Education & Human Development		

Curriculum Vi	tae, Rita M. Patterson, Ph.D.
Other	
2003-2005	UTMB, Co-Director, Medical Student Summer Research Program (MSSRP).
1987-2006	UTMB, Faculty mentor/host for the MSSRP.
2002-2006	UTMB, Course director for 3 hour, core course for the PMCH rehabilitation
	curriculum titled Introduction to Rehabilitation Science and Engineering.
1996-2006	UTMB, Guest lecturer for 1 st year physical therapy students in the UTMB
	school of Allied Health Sciences.
1999-2001	UTMB Education Scholars Program (3 hours per month for 18 months)
1999-2005	UTMB, Gross Anatomy and Radiology Course Facilitator.
1998-2001	UTMB, DHM, Dermatology, Hematology, and Musculoskeletal Facilitator.
2003-2004	UTMB, CVP, Cardiovascular Pulmonary Course Facilitator.
1995-2006	UTMB, Women's Mentoring Program.
1995-2001	W.E.S.T., Texas A&M, Women in Engineering Science and Technology
	Mentoring Program.
1998	UTMB IPE, Introduction to Patient Evaluation Small Group Co-leader.
1998	UTMB, Practice of Medicine Course Facilitator.
1998	UTMB, Medical Student Mentoring Program.
1996-1999	UTMB, ILT, Faculty Participant, Interactive Curriculum Evaluation Exercise
1996-2000	UTMB, ICEE, Faculty Participant, Integrated Curriculum Evaluation Exercise
	Science Education Volunteer E-Mail Program.

Supervision

Physician Research Fellows:

Oct.-Dec. John Carel Goslings, M.D., Ph.D., Dutch, Surgery Resident,
1998 Kinematics of the flexafix external wrist fixator, Ph.D. Thesis, Academic
Medical Center, Department of Surgery, Amsterdam, the Netherlands.
Resulted in 1 publication and 2 presentations:

Goslings, J.C.; DaSilva, M.F.; Viegas, S.F.; Perren, S.M.; Patterson, R.M. Kinematics of the wrist with a new dynamic external fixation device, Clinical Orthopaedics and Related Research. 226-234; 2001.

Oct. 1997-Oct. 1998 Satoshi Yamaguchi, M.D., Orthopaedic Surgeon, Dept. of Orthopaedic Surg, Oct. 1998 St. Marianna University School of Medicine, Kawasaki, Japan.

Resulted in 2 publications and 11 presentations:

Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. Anatomic study of the pisotriquetral joint: ligament anatomy and cartilaginous change, J. Hand Surg. 23A(4):600-606; July 1998.

Viegas, S.F.; Yamaguchi, S.; Boyd, N.L.; Patterson, R.M. The dorsal ligaments of the wrist: anatomy, mechanical properties, and function, J. Hand Surgery, 24A(3):456-458; May 1999.

July 1998- Hisao Moritomo, M.D.; Japanese Orthopaedic Surgeon. Dept. of Orthopaedic Surgery, Kansai Rosai Hospital, Amagasaki City, Japan.

Resulted in 5 publications and 2 presentations:

Moritomo, H.; Viegas, S.F.; Nakamura, K.; DaSilva, M.; Patterson, R.M. The scaphotrapezoidal joint. Part 1: An anatomic and radiographic study, J. Hand Surg. 25A(5):899-910; September 2000.

Moritomo, H.; Viegas, S.F.; Elder, K.; Nakamura, K.; DaSilva, M.; Patterson, R.M. The Scaphotrapezio-trapezoidal joint. Part 2: A kinematic study. J. Hand Surg. 25A(5):911-920; September 2000.

Moritomo, H.; Viegas, S.F.; Elder, K.W.; Nakamura, K.; DaSilva, M.; Boyd, N.L.; Patterson, R.M., Scaphoid nonunion: A three dimensional analysis of patterns of deformity. The J. of Hand Surg. 25A(3):520-528; May 2000.

Moritomo, H.; Viegas, S.F.; Nakamura, K.; Patterson, R.M. The scaphotrapezio-trapezoidal joint: Part 1: An anatomic and radiographic study. J. Hand Surg. 25A:899-910; 2000. Note: Article selected for Yearbook of Hand Surgery 2002.

Moritomo, H.; Viegas, S.F.; Elder, K.; Patterson, R.M. The Scaphotrapezio-trapezoidal joint: Part 2: A kinematic study. J. Hand Surg. 25A:911-920; 2000. Note: Article selected for Yearbook of Hand Surgery 2002.

Sept. 1998-Orthopaedic March 2000 Koji Nakamura, M.D., Japanese Orthopaedic Surgeon Department of

Surgery, St. Marianna University School of Medicine, Kawasaki, Japan.

Resulted in 5 publications and 10 presentations:

Nakamura K.; Beppu, M.; Patterson, R.M.; Hanson, C.A.; Hume, P.J.; Viegas, S.F. Motion analysis in two dimensions of radial/ulnar deviation of type I vs. type II lunates. J. Hand Surg. 25A(5):877-888; September 2000.

Nakamura, K.; Patterson, R.M.; Moritomo, H.; Viegas, S.F. Type I vs. type II lunates: Ligament anatomy and presence of arthrosis. J. of Hand Surg. 26A:428-436; 2001.

Nakamura, K.; Patterson, R.M.; Viegas, S.F. The Ligament and Skeletal anatomy of the 2^{nd} through 5^{th} carpometacarpal (CMC) joints. J. Hand Surg. 26A(6):1016-1029; November 2001.

El-Shennawy, M.; Nakamura, K.; Patterson, R.M.; Viegas, S.F. Three dimensional kinematic analysis of the normal motion of second through fifth CMC joints. J. of Hand Surg. 26A(6):1030-1035; November 2001.

Nakamura, K., Beppu, M., Patterson, R.M., and Viegas, S.F., Motion analysis in two dimensions of radial-ulnar deviation of type I versus type II Lunates. J. Hand Surg. 25A:877-888, 2000, Note: Article selected for Yearbook of Hand Surgery, 2002.

Sept. 1999 Maged El-Shennway, M.D., Egyptian Orthopaedic Surgeon, Orthopaedic Surgery, Mansoura University Hospital, El-Mansoura, Egypt. Resulted in 1 publication and 2 presentations:

El-Shennawy, M.; Nakamura, K.; Patterson, R.M.; and Viegas, S.F.; Three dimensional kinematic analysis of the normal motion of second through fifth CMC joints. J. of Hand Surg.; 26A(6):1030-1035; November 2001.

Mar. 2001-Orthopaedic April 2002 Hiromichi Mitsuyasu, M.D., Japanese Orthopaedic Surgeon, Dept. of

Surgery Kyushu University, Fukuoka, Japan.

Resulted in 4 Publications and 6 presentations:

Mitsuyasu, H.; Yoshida R.; Shah, M.; Patterson R.M.; Viegas, S.F. An unusual variant of the extensor carpi radialis brevis muscle: A Case Report. Clinical Anatomy. 17: 61-63; 2004.

Mitsuyasu, H.; Shah, M.; Patterson R.M.; Buford, W.L., Jr.; Iwamoto, Y.; Viegas, S.F. Role of the DIC ligament in dynamic and static scapholunate instability, J. of Hand Surg. 29A: 279-288; 2004.

Patterson, R.M.; Moritomo, H.; Yamaguchi, S., Mitsuyasu, H.; Shah, M.; Buford, W.L., Jr.; Viegas, S.F. Scaphoid anatomy and mechanics: Update and Review. Operative Techniques in Orthopaedics, 13:2-10; 2003.

Patterson, R.M.; Moritomo, H.; Yamaguchi, S.; Mitsuyasu, H.; Shah, M.; Buford, W.L., Jr.; Viegas, S.F. Scaphoid anatomy and mechanics: Update and Review. Atlas of the Hand Clinics: Disorders of the Wrist. 9:129-140; 2004.

April 2000-Nov. 2000 Denju Osada, M.D., Japanese Orthopaedic Surgeon, Dokkyo University School of Medicine, Tochigi, Japan.

Resulted in 1 publication and 1 presentation:

Osada, D.; Viegas, S.F.; Morris, R.P.; Patterson, R.M. Comparison of different distal radius fracture fixation plates: A biomechanical study, J. Hand Surg. 28A(1)94-104; January 2003.

April 2001-Feb. 2003 Ryo Yoshida, M.D., Japanese Orthopaedic Surgeon, Dept. of Orthopaedic Surgery, St. Marianna University School of Medicine, Kawasaki, Japan. Resulted in 2 presentations and 3 manuscripts.

Yoshida, R.; Shah, M.A.; Knighten, J.; Patterson, R.M.; Viegas, S.F. Anatomy and pathomechanics of 4^{th} and 5^{th} CMC joint injuries. J. Hand Surg. 28A:1035-1043; 2003.

Yoshida, R.; Shah, M.A.; House, H.; Patterson, R.M.; Viegas, S.F. Motion and morphology of the thumb metacarpophalangeal joint, J. Hand Surg. 28A:753-757; 2003.

Mitsuyasu, H.; Yoshida, R.; Shah, M.; Patterson, R.M.; Viegas, S.F. An unusual variant of the extensor carp radialis brevis muscle. Journal of the American Association of Clinical Anatomy. 17:61-63; 2004.

July 2002-Surgery Soya Nagao, M.D., Japanese Orthopaedic Surgeon, Dept. of Orthopaedic

Sept. 2003 Nihon Univ. School of Medicine, Tokyo, Japan.

11

Resulted in 1 presentation and 1 publication.

Nagao, S.; Patterson, R.M.; Buford, W.L., Jr.; Andersen, C.R.; Shah, M.; Viegas, S.F. Three-dimensional description of ligamentous attachments around the lunate. J. Hand Surg. 30A(4):685-692; 2005.

Nagao, S.; Buford, W.L., Jr.; Shah, M.; Viegas, S.F. Three dimensional description of ligamentous attachments around the lunate, 58th Annual Meeting of the American Society For Surgery of the Hand. September 18-20, 2003. Note: Awarded best scientific content.

Sept. 2003-Aug. 2005

Shukuki Koh, M.D., Japanese Orthopaedic Surgeon, Dept. of Hand Surgery, Nagoya University School of Medicine, Nagoya, Japan.

Resulted in 2 presentations and 4 planned manuscripts to date

Koh, S.; Buford, W.L., Jr.; Anderson, C.; Patterson, R.M.; Viegas, S.F. Understanding intrinsic-extrinsic muscle function through interactive 3-D kinematic simulation. 59th Annual Meeting of the American Society for Surgery of the Hand in New York City, New York. September 9-11, 2004.

Koh, S.; Patterson, R.M.; Morris, R.P.; Viegas, S.F. Comparison of different distal radius fracture volar fixation plates: A biomechanical study.

Koh, S.; Patterson, R.M.; Viegas, S.F. The relationship of the brachioradialis and first dorsal compartment with distal radius fracture patterns and fixation-an anatomic study

Koh, S.; Patterson, R.M.; Buford, W.L., Jr.; Viegas, S.F. Biomechanical Analysis of the contribution of intrinsic muscle function to PIP/DIP joints of the index finger.

Koh, S.; Patterson, R.M.; Buford, W.L., Jr.; Viegas, S.F. Biomechanical analysis of the contribution of intrinsic muscle function to MCP/PIP/DIP joints of the 2nd-5th digits.

Jan. 28, 2004- Jianli Bu, M.D., Chinese Orthopaedic Surgeon, Department of Orthopaedics, Dr. July 16, 2005 Bethune International Peace Hospital hebei Province, China.

Bu, J.; Patterson, R.M.; Morris, R.M.; Yang, J.; Viegas, S.F. The effect of radial shortening on wrist joint mechanics compared with normally occurring differences in ulnar variance.

July 12, 2004- Akira Iwamoto, M.D., Japanese Orthopaedic Surgeon, Dokkyo Univ. School July 31, 2005 of Medicine, Tochigi, Japan.

Iwamoto, A.; Patterson, R.M.; Viegas, S.F. Anatomy and biomechanics of the dorsal extensor retinacula.

Mar. 28, 2005-Mitsuhiko Nanno, M.D., Japanese Orthopaedic Surgeon, Department of March 2006 School, Tamanagayama hospital, Div. of Hand Surg., Tokyo Japan, Ligament anatomy of the CMC joints.

May 16, 2005-Geetinder Goyal, M.D., Indian Physician, Punjab University, Chandigarah, India

Curriculum Vitae, Rita M. Patterson, Ph.D. May 30, 2006 Virtual Reality in brain injury.

July 12, 2006-Yazaki, Naoya, M.D., Japanese Orthopaedic Surgeon, Department of Hand
 Surgery, Graduate school of Medicine, Nagoya University, Nagoya, Aichi,
 Japan, Motion analysis in dart thrower's motion. Variability in Human Capitate
 Morphology in the Wrist.

July 14, 2006-Vallurupalli, Santaram, M.D. Indian Orthopaedic Surgeon, North West Regional Health Authority, Trinidad and Tobago, Fracture healing, bone, foot and ankle.

Ph.D. Research Fellows:

October 2004- Archana Sangole, Ph.D.

2006 Publications:

Sangole, A.P.; Abreu, B.C.; Patterson, R.M.; Huddleston, N.; Ottenbacher, K.J. Postural stability in brain-injured adult males during functional reaching, *Human Movement Science (Revised and re-submitted in May 2004)*.

Patterson, R.M.; Sangole, A.; Buford, W.L., Jr.; Viegas, S.F.; Werner, F.; Green, J.; Short, W. Biomechanics of the wrist. 2nd edition. Cooney, W. editor. The Wrist: Diagnosis and operative treatment Mosby, 2005.

Buford, W.L., Jr.; Viegas, S.F.; Patterson R.M.; Ottenbacher, K.J. Finger coordination in prehension after brain injury submitted to the Motor Control Journal.

Sangole, A.P.; Abreu, B.C.; Buford, W.L., Jr.; Viegas, S.F.; Patterson, R.M.; Ottenbacher, K.J. Grasping postural alignment after brain injury. submitted to IEEE Transactions in Rehabilitation.

Presentations:

Sangole, A.P.; Nakamura, T.; Patterson, R.M.; Abreu, B.C.; Ottenbacher, K.J. Cluster analysis to identify critical motor function outcomes, American Congress of Rehabilitation Meeting, Jacksonville, FL. September 10-12, 2004.

Sangole, A. P.; Abreu, B.C.; Buford, W.L., Jr.; Patterson, R.M.; Viegas, S.F.; Ottenbacher, K.J. Patterns of hand motor dysfunction after brain injury. Joint meeting of the American and International Societies of Biomechanics, Cleveland, OH, July 31-August 5, 2005. (Poster)

April 2013 Carlos Cervantes, PhD, CAPR, Physical activity and obesity-related health disparities in adults with disabilities in Central Texas. Chair, Department of Kinesiology, Huston-Tillotson University.

June 2013 Kunal Singhal, Ph.D.

Singhal, K. Bugnariu, N., and Patterson, R.M., Methodological consideration for application of Multi-Scale Entropy on Center of Pressure data from children with Autism Spectrum Disorder- A Pilot Study, South Central American Society of Biomechanics, Dallas, TX 2014.

Ph.D. Students (Graduate School of Biomedical Sciences):

Takayuki Nakamura, GSBS, P.M.C.H. UTMB (graduation Dec. 2004) Publications:

Buford, W.L.; Jr.; Ivey, F.M.; Nakamura, T.; Patterson, R.M.; Nguyen, D. Internal/external rotation moment arms of muscles at the knee-moment arms for the normal knee and the ACL deficient knee, The Knee. August 2001.

Trevino, S.G.; Buford, W.L.; Jr.; Nakamura, T.; Wright, A.J.; Brown, S.; Patterson, R.M. Objective differentiation of the adult diabetic foot and adult normal foot using a torque-range-of-motion device, foot and ankle international, 25(8):561-567; August 2004.

Nakamura, T., Abreu, B. C., Patterson, R. M., Buford, W. L. Jr., & Ottenbacher, K. J. (2008). Upper-Limb Kinematics of the Presumed-to-Be-Unaffected Side After Brain Injury. *The Amer Journal of Occupational Therapy*, 62 (1), 46-50.

Grant awarded for dissertation research:

26 August 2002-25 August 2003, \$99,913, Motion Analysis Assessment of the Spastic Upper Extremity in Brain Injured Patients, UTMB, Pilot grants in the Neurosciences.

Presentations:

Best Student Poster at the 2002 UTMB Forum on aging, Nakamura, T.; Patterson, R.M.; Abreu, B.C.; Buford, W.L., Jr. Motion analysis assessment of the upper extremity in brain injury patients. Forum on Aging, Sealy Center On Aging, UTMB, September 2002.

Nakamura, T; Buford, W.L., Jr.; Abreu, B.C.; Patterson, R.M. Reaching kinematics during functional movement in individuals with acquired brain injury, 22nd Annual Houston Conference on Biomedical Engineering Research, Houston, TX, February 10-11, 2005. (Paper).

T Nakamura, T; Buford, W.L., Jr.; Abreu, B.C.; Patterson, Reaching kinematics during functional movement in individuals with acquired brain injury, ASME 2005 Summer Bioengineering Conference, June 22-26, 2005. (Paper)

Joe Stanford, UTA Ph.D. Student with Dan Popa –

Stanford, J., Young, C., Bugnariu, N., Popa, D., and Patterson, R.M., Hand grasping approaches to Force and Joint Angle Measurements for Activities of Daily Life, SPIE (international society for optics and photonics)— new tracks on Sensors for Next Generation Robotics, Baltimore, MD May 5-9, 2014.

2015 Oguz Yetkin, UTA Ph.D. Student with Dan Popa –

Venkata Edara, Cell Biology, Immunology and Microbiology. University

Member

2016 Bing "Sunny" Song, Molecular Genetics, University Member

DO PHD students:

Barrett Cromeens - Ligament and articular surface anatomic variability in the

2013- present Addison Wood – Patellar tracking.

Residents

Orthopaedic Residents

1989 Reynold Rimoldi-Intramedullary wrist fixation.

Viegas, S.F.; Rimoldi, R.; Patterson, R.M. A modified technique of

intramedullary fixation for wrist arthrodesis, J. Hand Surg. 14A:618-623; 1989.

1995 James Self-Humerus fixation mechanics.

Self, J.; Viegas, S.F.; Buford, W.L., Jr.; Patterson, R.M. A comparison of double plate internal fixation methods for complex distal humerus fractures. J.

Shoulder and Elbow Surg. 4(1)Part 1:10-16; January/February, 1995.

1996 <u>Dong Nguyen</u>-Moment arms of muscles that cross the knee.

Buford, W.L., Jr.; Ivey, F.M.; Malone, J.D.; Patterson, R.M.; Peare, G., Nguyen, D.; Stewart, A.A. Muscle balance the knee-moment arms for the normal knee and the ACL minus knee, IEEE Transactions on Rehabilitation Engineering, 5(4):367-379; December 1997.

Buford, W.M., Jr.; Ivey, F.M.; Nakamura, T.; Patterson, R.M.; Nguyen, D. Internal/external rotation moment arms of muscles at the knee-moment arms for the normal knee and the ACL deficient knee. The Knee. August 2001.

1997 Greg Peare-Moment arms of muscles that cross the knee.

Buford, W.L., Jr.; Ivey, F.M.; Malone, J.D.; Patterson, R.M.; Peare, G.; Nguyen, D.; Stewart, A.A. Muscle balance the knee-moment arms for the normal knee and the ACL minus knee, IEEE Transactions on Rehabilitation Engineering, 5(4):367-379; December 1997.

2007 <u>Sean Burns</u> - Variability in Human Capitate Morphology in the Wrist. 2007 Texas Orthopaedic Association Annual Meeting, May 11th-13th Austin, TX.

OMM Residents

2010	Daniel Lopez – Balance
	Lopez D, King HH, Knebl JA, Kosmopoulos V, Collins D, Patterson RM.
	Effects of comprehensive osteopathic manipulative treatment on balance in
	elderly patients: a pilot study. J Am Osteopath Assoc. 2011;111(6):382-388.

- 2011 Kara Mintier Shoulder Torque Range of Motion
- 2012 Sarah James Effect of age on performance of tasks with spatial conflict,
 Presented at RAD (UNTHSC Research Appreciation Day) and won two awards:
 TCOM General Resident Award and TCOM OMM-IM Korr PhD
 Memorial Award.
- 2012 Aaron Boone Shoulder Torque Range of motion.

Master Students:

2013	Lindsay Appleby, MS in Clinical Research Management, "Maintaining Balance in Conditions of Sensory Conflict"
2013	Adrian Villarreal, MS in Clinical Research Management, "AUDITORY IMPAIRMENT AND FALLS: Investigating the link between hearing loss and
2012 2014	balance among elderly individuals".
2012 – 2014	Sebastiaan Bens, Graduate Teaching Assistant, UNTHSC medical student Masters program. "Osteopathic Management of Leg Length Inequality with Heel Lift Therapy: Analysis of Altered Gait Kinematics.
2013-2015	Christina Ragland, Graduate Teaching Assistant, UNTHSC medical student
	Masters program. OMM effects on pulmonary function.
2015	Belinda Vo-Lee, MS in Clinical Research Management, "Study of Kinematics in Individuals with Autism Spectrum Disorder and Developmental Coordination
	Disorder"
2016	Russell Donevant, MS in Clinical Research Management, "Study of Kinematics and Gait in Dynamic Response Feet Across Functional K-Level Categories"

Master of Science Graduate Engineers:

Jan	<u>David Pogue</u> -T.A.M.U., Co-mentored with Steven F. Viegas, M.D.
Dec. 1993	The Effects of Distal Radius Fracture Malunion on Wrist Joint Mechanics.
	Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.;
	Sweo, T.D.; and Hokanson, J.A. The evaluation of the biomechanical efficacy of

limited intercarpal fusions for the treatment of scapho-lunate dissociation. J. Hand Surg. 15A(1):120-128; January 1990.

Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K. Sweo, T.D., and Hokanson, J.A., Ulnar Sided Perilunate Instability: An Anatomic, Biomechanic, and clinical study. J. Hand Surg. 15A(2); March 1990.

Viegas, S.F.; Pogue, D.J.; Patterson, R.M.; Peterson, P.D. The effects of radioulnar instability on the wrist: a biomechanical study. J. Hand Surg. 15(5):728-732; September 1990.

Pogue, D.J.; Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The effects of distal radius fracture malunion on wrist joint mechanics. J. Hand Surg. 15(5):721-727; September 1990.

Patterson, R.M.; Pogue, D.; Viegas, S.F. The effects of time and light exposure on contact and pressure measurements using fuji prescale film. The Iowa Orthopaedic Journal. 17:64-69; May/June 1997.

May 1993- Erin Jeannette-Herring-T.A.M.U., The Effects of Laser Radiation Upon the 1994
Biomechanics of Teeth, Co-mentored with Massoud Motamedi, Ph.D., and
W.L. Buford, Jr., Ph.D.

Aug. 1997- Nolan Boyd-T.A.M.U., Algorithm for the Calculation of Proximity Area and Area Centroid within the Carpal Joint.

June 1998- <u>Takayuki Nakamura</u>-UT Austin, Knee Moment Arms During Internal/

July 1999 External Rotation.

Dec. 2006 <u>Larry Dan Varner</u>, Master of Engineering, Texas A&M University. "Which is more economical, paying for the electricity to power a conventional compressor or decreasing the compressor efficiency of a combustion turbine to draw off a source of instrument air?"

Medical Students:

Research Rotations (1 month):

1991 <u>David Jenkins</u>-Fuji film analysis of contact areas in the radiocarpal joint. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.;

Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited intercarpal fusions for the treatment of scapho-lunate dissociation, J. Hand Surg. 15A(1):120-128; January 1990.

Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. Ulnar Sided perilunate instability: an anatomic, biomechanic, and clinical study, J. Hand Surg. 15A(2); March 1990.

Pogue, D.J.; Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The effects of distal radius fracture malunion on wrist joint mechanics, J. Hand Surg. 15(5):721-727; September 1990.

1991 <u>Stephen McNatt</u>-Development of a Knee Muscle Excursion Measurement Device.

1993-1994 Don Carlson-Knee Moment Arm Device and 3D Reconstruction From CT.

Curriculum Vitae, Rita M. Patterson, Ph.D.				
1995	<u>Viet Tran</u> -Knee Muscle Mechanics.			
1996	<u>Kevin Nagamani</u> -Skeletal Reconstruction From CT Images and Knee Mechanics.			
1996	Doug Won-Knee Muscle Mechanics and 3D Motion Analysis.			
1996	Trey Hadnott-Kinematic Simulation of the Upper Extremity and Knee Muscle Mechanics.			
1996	Kevin Nagamani-3D Reconstruction From CT Images of the Knee.			
1996	Richard Garza-Upper Airway Reconstructions.			
1998	Thanh Nguyen-STT Wrist Kinematics.			
1998	Chad Dietrichs-STT Wrist Kinematics.			
1998	Kurt Hanson-STT Wrist Kinematics, Anatomy and Radiography.			
1998	Joel McFarland-DISI Wrist Kinematics.			
1999	Paul Hume-Torque Range of Motion Device-Reliability Statistics.			
2000	Tony Longo-Kinematics of the normal ankle and of the flatfoot.			
2000	Tony Wright-Ankle Kinematics.			
2000	Catherine R. Treadwell-Quantification of Femoral Surface Strain After Total			
	Hip Arthroplasty.			
2000	Kevin Charron-Torque Range of Motion.			
2000	Jess Kirby-Moment Arms of the EPL and EPL Release.			
2003	Justin A. Moorman, Torque Range of Motion.			
2003	Jansen W. Burkitt, Spine Simulation.			
2003	Julie L. Williams, Torque Range of Motion.			
2003	Daniel L. Stahl, Spine Simulation.			
2004	Eileen Wu, Hand Anatomy.			
2005	<u>Toribio T. Natividad</u> , EMG Study.			
2006	<u>Dan Stahl</u> , Dual plate fixation.			
2008	Christie Peer Shanafelt, Hand grasping			
2012	James Hall and Sarah Strot, Enhancing Ankle Functionality Status-Post Acute Inversion Injury Utilizing Osteopathic Manipulative Treatment.			
2013	Asmani Patel, Retrospective Chart Review of Osteopathic Manipulative			
	Treatment (OMT) in Hispanic Patients			
2015	Austin Henke, Ocular Sports Medicine			
2016	Chu Chia-Ye, Pseudo Systematic review of Soft Hand robotics.			
2016	Nicolas Jordan, Honors project.			
2017	Keithlee Dolinta,			
Summer Res	search Program:			
1987	John Roefs-Fuji Film Analysis of the Radiocarpal Joint.			
	Viegas, S.F., Patterson, R.M., Tencer, A, Peterson, P., Roefs, J., and Choi, S.,			
	The Effects of Various Load Paths and Different Loads on the Load Transfer			
	Characteristics of the Wrist, J. Hand Surg. 14A:458-465; May 1989.			
1988	Andy Tran-Strain Gauge Measurements of the Forearm.			
1989	Thomas West-Cartilage Thickness in the Radiocarpal Joint.			
1990	Adolfo (Fito) Valde-Knee Contact Areas/Biomechanics.			

Curriculum V	Vitae, Rita M. Patterson, Ph.D.
1991	John Hibbit-Knee Biomechanics and 3D Reconstruction.
1991	Dan Garlito-3D Reconstruction of Joints.
1992	<u>David Beaird</u> -3D Anatomy and Biomechanics of the Carpus.
1992	Kimberlae Ward- Mechanics of Ulnar Translation in the Wrist.
	Viegas, S.F.; Patterson, R.M.; Ward, K.; Extrinsic wrist ligaments in the
	pathomechanics of ulnar translation, The Year Book of Hand Surgery. pp. 1-3;
	1996.
1994	<u>Todd Spencer</u> -Biomechanics of External Fixation.
1995	Steve Eggleston-Analysis of Lumbar Spine Kinematics.
1996	Greg Parr-Forearm Kinematics.
1997	Thanh Nguyen-Motion Analysis of the Foot and Ankle.
1998	Homero Riva-Motion Analysis of Different Crutch Designs.
1999	Robert Rodone-Ankle Anatomy
1999	Richard Garza-Kinematics of the Normal and Flatfoot.
2004	Matt Brunson-Comparison of Lumbar Hyperextension and Squat Exercises
	Using Surface Electromyography: An Insight into Low Back Pain
	Rehabilitation/Prevention.
2005	Michael C. Nash-Analysis of Extrinsic Abdominal Muscle activity During
	Exercise Using Surface Electromyography, August 2005.
2005	Robert S. Marks-Clarifying Fundamental Biomechanics of Muscles in the Hand
	and the Effects of Rheumatoid Arthritis
2005	Richard G. Highstead-Case Report on A Burn Patient (hand).
2005	Brandon O. Low-The dorsal Wrist: Function in the normal and Injured State.
2005	James K. Cooper-Intrinsic Muscle Contribution to Metacarpal Phalangeal Joint
	Moment at Digits Three, Four & Five.
2006	Socrates Britto, Gun shot severity and plate fixation. Funded through the
	Zimmer Summer internship Program.
2011	Ramond Barron, SMART summer Student, "Opening a Door into the Future:
	Assessing and retraining Arm Kinematics Using Virtual Reality"

Honors Program:

1999	Cristina Chong-Han.
2003	Justin Klimisch, B.S.

Undergraduate Summer Fellowships (3 months):

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1995	Allison Etheridge-Correlation of Anatomical Dimensions With Derived Moment
	Arms The Knee, Louisiana Tech., University.
1997	Benjamin W. Kieke-Motion Analysis of the Knee Project, Analysis of M.R.I.
	Reconstructions of the Wrist, Texas A&M University.
1997	Sergio J. Campos-Motion Analysis of the Knee Project, Tracking Methods and
	Comparison With Potentiometric Measurement, Harvard University.
2002	Molly Videtto-Motion Analysis of the Knee, Analysis of Knee Axes of Rotation,
	Texas A&M University.

High	School	Summer	Fellowshi	ns (3	3 months):
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High School Summer Fellowships (3 months):				
1988	Shaena Choi-Clear Lake H.S., Fuji Film Analysis of the Radiocarpal Joint.			
	Viegas, S.F.; Patterson, R.M.; Tencer, A.; Peterson, P.; Roefs, J.; Choi, S. The			
	effects of various load paths and different loads on the load transfer			
	characteristics of the wrist. J. Hand Surg. 14A:458-465; May 1989.			
1989	Samson Shei-Contact Area Analysis of Scaphoid Fractures.			
1989	Chris Perez-Valley H.S., Cartilage Thickness in the Radiocarpal Joint.			
1990	Aric Allen-Dickinson H.S., Fuji Film Analysis of Contact in the Radiocarpal Joint.			
1991				
	Jun Lee-Fuji Film Analysis of VISI Instability in the Wrist.			
1992	Jeffery Chang-Clear Lake H.S., A 3D Study of Carpal Geometry.			
1993	Melinda Esparza-Corpus Christi S. D., Repeatability of 3D Anatomy Derived From CT Scans.			
1994	Adrian Tristan-Texas City H.S., Normative 3D Anatomy of the Carpus.			
1995	Ken Fleischman-Ball H.S., Galveston, Detection of Femoral Surface Strain			
	Contours Using the Photoelastic Method.			
1996	Alan Chen-Clear Creek H.S., Scapho-Lunate Mechanics.			
1998	Stephen Diamond-Material Properties of Theraband Tubing.			
1999	Craig Wen-Computer Simulation Project.			
2000	Jeanette Lu-Kinematic Analysis of the Normal, ACL-Minus, and Prosthetic			
	Knee.			
2000	Sophia Tcheung-Kinematic Analysis of Internal Fixation for Distal Radius			
	Fractures.			
2001	Mat Burnstien, Wrist crusher.			
2002	Ajay Mody, Motion analysis of the upper extremity in normal and TLC clients.			
	Ajay will be continuing this project as a High school science project.			
2005	Stephen W. Lee, Moment Arms of the MCP Joints of the Hand, Wrist			
	Kinematics.			
2012	Erica Rodriguez, Upper extremity motion.			
2012	Sawsan Abdulla, Falls prevention.			
2013	Alisha Trevedi, Lower limb loss case report.			
	,			

High School Research Projects:

The following Students have taken part in lab projects as part of the Science Honors Program at Ball H.S. (5 lab visits of at least 1 hr. under the guidance of research personnel):

1993	Scarlett Buford
1994	Anneke Post
1996	Dan Thorley
1996	Jennifer Cooney
1996	Mandy Pistone
2008	Syed Hossain, Radiocarpal Proximity maps

College Work-Study Program: The following students have taken part in biomechanics lab projects under faculty guidance in

conjunction with the college (Medical school and Allied Health) work-study program:

John Roefs-Medical Student
 Thomas West-Medical Student
 Robert Foster-Medical Student

Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Crossley, M.; Foster, R.A. The silicone scaphoid: A biomechanical study, J. Hand Surg., 16(1):91-97;

1991.

Viegas, S.F.; Patterson, R.M.; Hillman, G.R.; Peterson, P.D.; Crossley,

M.; Foster, R.A. The simulated scaphoid proximal pole fracture: A

biomechanical study, J. Hand Surg. 16A:495-500; 1991.

1991-1993 Stephen McNatt-Medical Student Kate Westmoreland-Medical Student 1993 1993 James Duffy-Allied Health Michael Palm-Medical Student 1993 1993-1994 Vincent Phan-Medical Student 1994 Ratesh Prasad-Medical Student 1994 Viet Tranh-Medical Student 1994-1995 Jose Vasconcelos-Allied Health 1994 Mark Voss-Allied Health (1994) 1994-1995 Steve Eggleston-Medical Student John Fowler-Medical Student 1995 Sciele Edozie-Medical Student 2001

2011-2012 James McCain 2011-2012 David Cummings

VI. SERVICE

University

UNTHSC:

2015- Present	Member TCOM P&T committee
2013 – present	Member Research Advisory Committee
2009 - present	Member and Chair of IPAC, Intellectual Property Advisory Committee
2014 - 2015	Member University of North Texas Information Services Shared Services
	Governance.
2010 - 2015	Member, Faculty Grievance and Appeal Committee
2007 - 2008	RADAR, Recruitment, Advancement, Development, and Retention of
2007 2000	Women
2011	Member, adhoc University plagiarism Committee.
2009	OMM chair search committee

2009-2011 Member Dr. Hensel's DSMB (Data Safety Monitoring Board),

Osteopathic Manipulative Medicine in pregnancy: Physiological and

Clinical Effects (1K23ATT003304).

2008 Faculty Interviewer, Medical School Applicants.

2008 TCOM, ad hoc reviewer Promotion and Tenure Committee

2008 Primary Care Research Institute HIT Professor Search Committee

UTMB:

1998-2001	Core Committee for Support of Women Faculty and Administrators.
1//0 2001	core committee for Support of Women's acasty and Manimistrators.

1996-2004 Faculty Interviewer, Medical School Applicants.

1996-1999 Member, Daniel L. Kempner Visiting Professorship Committee.

1997-1998 President, Faculty Women's Caucus.

1998 Subcommittee on Governance and Administration for the Liaison

Committee on Medical Education (L.C.M.E.)

Year 3-4 medical school curriculum review task force.

2001 Member of the search committee for new Physical Therapy dept. chair.

2002-2004 Member of the Faculty Development Council

2000-2007 Committee Member of (RAC) Research Advisory Committee.

2001-2007 Treasurer, Faculty Women's Caucus.

2003-2007 School of Allied Health Science, Deans Advisory Committee on Tenure,

Appointment and Promotion (DACTAP)

2005 School of Allied Health selection committee for the Seinsheimer rotating

Professorship (Dean's committee)

2005-2006 School of Medicine selection committee for the Kempner Endowed fund

for postdoctoral fellowships.

1998 Chair, Orthopaedics Research Task Force.

PROFESSIONAL SERVICE

Memberships

Orthopaedics:

I.W.I.W.-International Wrist Investigators Workshop (elected).

O.R.S.-Orthopaedic Research Society (elected).

Engineering:

ASME-American Society of Mechanical Engineers.

ASB-American Society of Biomechanics

I.E.E.-Institute of Electronic and Electrical Engineers.

H.S.E.M.B.-Houston Engineering in Medicine and Biology Society.

Board of Directors B.E.A.C.-Baylor Engineering Alumni Chapter, 1995-2000.

W.E.S.T.-Texas A&M University Women's Mentor Program.

U.T.M.B.:

Faculty Women's Caucus

Women's Mentoring Program 1995-2006.

National Student Research Forum Chairperson, 1994-1995.

Other:

Fort Worth Amputee Coalition V.A.S.A. Order of America, Swedish Organization. White Rose for Sigma Tau Gamma National Fraternity.

Offices held (activities)

L	1 0	C	a	I:

Local:	
2011	UNTHSC representative to UNT THECB (Texas Higher Educational
	Coordinating Board) application to start a Biomedical Engineering
	program in Denton.
2015 – present	Member TCOM P&T committee
2011- 2013	Member Intellectual Property Advisory Committee (IPAC)
2013- present	Chair of the Intellectual Property Advisory Committee (IPAC)
2011 – present	OMM department Promotion and Tenure Committee (Chair)
2015 – present	Family Medicinee Search Committee Vice chair.
2011- present	TPTF (Texas Physical Therapy Foundation) Member and grant reviewer.
1991-2007	HSEMB, Houston Engineering in Medicine and Biology Society Steering
	Committee member, organizer, and Chair of Biomechanics/Orthopaedic
	Sessions.
1994	HSEMB Organizer, special session: Building Bridges for Women
	Between Academia and Industry.
1996	HSEMB Organizer, special session: Engineering Education Leadership:
	Opportunities and Responsibilities, with special guest Janie Fouke, Ph.D.
	from the National Science Foundation.
2013 - present	Organizing committee, South Central American Society of
•	Biomechanics.

National:

2015

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1996-2000	I.E.E.E., E.M.B.S., Student Activities Committee (The Institute of
	Electrical & Electronic Engineers, Enging. in Med. & Biology Society.
2002	Theme organizer for the joint IEEE, EMBS/BMES meeting in Houston.
2002-2006	Advisory Board, Virginia Commonwealth University, Department of
	Biomedical Engineering.
2003-2006	Advisory Board, Baylor University, School of Engineering.
2016	SB3C (Summer Biomechanics, Bioengineering and Biotransport
	Conference) treasurer.

March 6-7, 2015 Fort Worth, TX.

Co-Chair South Central American Society of Biomechanics conference

International:

Α	SI	V	E

1995, 1997, 2003 ASME American Society of Mechanical Engineers:

Chairperson for Orthopaedic Biomechanics Sessions Summer Meetings.

1997-1998 ASME, Intern, Minority Leadership Program of the ASME Board on

Minority and Women assigned to the Center for Research and

Technology.

2003 Student paper co-chair. 2003 Summer Bioengineering conference.
1998-2004 ASME, Member Center for Research and Technology Development.
1998-2000 ASME, Vice Chair BED Committee on Rehabilitation and Design.
2001-2003 ASME, Chair BED Committee on Rehabilitation and Design.

1999-2002 ASME, Chair for the Student paper Competition, Winter Annual meeting. 2000-2003 ASME, National Nominating Committee, secretary in 2002, advisor

2003.

2005 Local Arrangements Chair, 2005 Summer Bioengineering Conference,

Vail, CO.

2005-2008 ASME, Bioengineering Division Executive Committee member on

Member Affairs.

2008 ASME, Bioengineering Division Executive Committee, Secretary Elect 2009 ASME, Bioengineering Division, Executive Committee, Secretary 2010 ASME, Bioengineering division Executive Committee Chair (highest

administrative position in the division).

2010 ASME, Summer Bioengineering Conference chair. Naples, FL (610

atendees).

2011 ASME, Bioengineering Division, Summer Bioengineering past

conference chair.

2011-2012 ASME, Bioengineering representative to the Basic Engineering group.

2013-2016 ASME, Bioengineering division treasurer.

IWIW:

1997-Present I.W.I.W. International Wrist Investigators Workshop.

2000-2006 I.W.I.W. Webmaster.

CIVIC ACTIVITIES:

1997 Volunteer to answer questions from students during the National Science

Foundation

National Science and Technology Week.

1999 Science Fair judge.

Volunteer for Introduce a Girl to Engineering during National Engineering

week. Program included 250 girl scouts from the Houston area.

2004-2007 4H, horse trail leader.

2013- present Fort Worth Amputee Coalition.

VII. SCOLARLY ACTIVITY

RESEARCH ACTIVITIES/INTERESTS:

Investigation of the biomechanics and kinematics of human joints as well as a multitude of other projects designed to increase knowledge about the human musculoskeletal system.

RESEARCH GRANTS and CONTRACTS FUNDED:

Principal Investigator:

- 1. December 2016, \$65,345, Patterson, RM, and Bugnariu, N, Human Movement Performance Laboratory Equipment Upgrade, UNTHSC Joint Seed Program for New Instrumentation/Critical Resources.
- 2. 8/1/2016- 23/1/2018, \$25,596, Patterson, RM, PI, Papa, E., Bugnariu, N., and Knebl, J. Co-I's, Evaluation of a more sensitive measure for prediction of changes in dynamic postural stability and fall risk, UNTHSC Pilot seed grants for collaborative research in Aging and related diseases.
- 3. 8/01/2016 7/31/2019, \$299,993, Patterson, RM, PI, Bugnariu, N., Wijesundara, M.B., Haghshenas-Jaryani, M., and Carrigan, W., Soft-Robotic Glove for Cerebral Palsy Hand Rehabilitation (REHAB Glove), NSF General and Age Related Disabilities Engineering PD 15-5342
- 4. 03/01/2014 08/31/2014, \$9,825, Use of a Torque Range of Motion Device to Teach evaluation of Somatic Dysfunction, Patterson, RM, PI, Mason, D, Collins, V, and Kominsky, Co-I's, 2014 UNTHSC Innovations in Teaching Using Technology Seed Grant.
- 5. <u>01/01/2010 12/31/2010</u>, \$20,000, Patterson, R.M., P.I., 2010 Summer Bioengineering Conference, National Science Foundation conference grant, CBET 1004847.
- 6. <u>01/01/2010 12/31/2010</u>, \$13,000, Patterson, R.M., P.I., 2010 Summer Bioengineering Conference, NIH, NIBIB, NIAMS R13 conference grant, R13 EB011876-01.
- 7. <u>08/01/2008 8/31/2009</u>, \$25,000. Patterson R.M., P.I., Effect of Osteopathic Manipulation on Postural Stability in the Elderly, TCOM Intramural grant.
- 8. <u>Sept 1,2008 Aug 31,2009</u>, \$ 49,900. Patterson, R.M., P.I., Functional Hand Kinematics, American Osteopathic Association, #08-11-569.
- 9. March 1, 2008 Feb 28, 2009, \$10,800 (\$5,700 to UNTHSC and \$5,100 to UNT), Hand Kinematics in Piano Players, UNTHSC UNT Joint Institutional Seed Research Program.

- 10. <u>01 January 2005-31 December 2007 (no cost extension until 2009)</u>, \$697,620, The Dorsal Wrist: Function in the Normal and Injured State, NIH (BRG). Priority Score 114, 5.7th percentile.
- 11. <u>26 August 2002-25 August 2003</u>, \$99,913, Motion Analysis Assessment of the Spastic Upper Extremity in Brain Injured Patients, UTMB, Pilot grants in the Neurosciences and Rehabilitation.
- 12. <u>01 March 2001 through 30 April 2002</u>, \$10,000, Kinematic Analysis of the Normal and Flatfoot Deformity, AOFAS, The American Orthopaedic Foot and Ankle Society.
- 13. <u>31 October 2000 through 31 March 2001</u>, \$3,000, Development of a UNIQUE Web Based Mechanics of Materials in Medicine Course, The Education and Special Project Committee of the O.R.S.
- 14. <u>01 February 1999-31 January 2000</u>, \$3,400, C. Jansen and H. Hogan, Quantification of the Force Generation Potential and Material Properties of Theraband Tubing, Texas Physical Therapy Education and Research Foundation.
- 15. <u>01 February 1997-31 January 1999</u>, \$29,955 with \$29,990 matching from U.T.M.B. Orthopaedic Surgery and Rehabilitation, Patterson, R.M., Viegas, S.F., Elder, K.S., and Chaljub, G., Kinematic Analysis and Dynamic Visualization of Load Transmission and Cartilage Contact and Thickness in the Radiocarpal Joint, U.T.M.B. John Sealy Memorial Endowment Fund for Biomedical Research Grant.
- 16. <u>01 October 1998-31 December 1998</u>, \$6990, Kinematic Analysis of a New External Fixator use for Distal Radius Fractures, Private grant brought by Carel Goslings to perform research in the U.T.M.B Biomechanics lab.

Collaborator/Co-investigator:

- 1. 09/01/2016 08/31/2018, \$149,952.60, Hensel, K. PI, Patterson, RM, Papa, E, Bugnarius, N Co-I's, Effects of OMT on Gait Kinematics and Postural Control in Parkinson Disease, American Osteopathic Association.
- 2. <u>Summer 2016</u>, \$1,000, Summer Medical student Research Fellow Award, Chia-Ye Chu and mentor RM Patterson, UNTHSC internal program.
- 3. 6/1/2016 5/31/2018, \$180,000, Dombroski, T., PI, Patterson, R.M., Co-I, Advanced Design and Manufacturing of Engineered Prosthetic and Orthotic Devices, Industry sponsored by Mentis Sciences Inc.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 4. <u>5/2015 4/2016</u>, \$100,000, Bugnariu, N., PI, Patterson, R.M., Co-PI, Niacaris, T., Co-PI, Wijesundara, M., (UTA), *A Wearable Soft Robotic System for Continuous Passive Motion in Post-Stroke Hand Rehabilitation*, Texas Medical Research Collaborative (TexasMRC).
- 5. 03/2015, \$2,000, Yavuz, M., and Patterson, RM, South Central American Society of Biomechanics conference Grant, American Society of Biomechanics.
- 6. 10/01/2013 09/31/2014, \$23,862.50, Osteopathic Management of Leg Length Inequality with Heel lift Therapy: Analysis of Altered Gait Kinematics, PI Mason, D., Patterson, Co-I, UNTHSC Seed grant program.
- 7. 10/01/2013 09/31/2014, \$23,113, Visuomotor Integration in Autism Spectrum Disorders (ASD), PI, Bugnariu, N., Miller, H., and Patterson, R.M., Co-I's, UNTHSC Seed grant program.
- 8. <u>08/01/2013 07/31/2014</u>, \$15,000, Bugnariu, N., Stevens, G., and Patterson, R.M., Functional Performance and Evaluation of Dynamic Response Feet, American Orthotic and Prosthetic Association.
- 9. September 1, 2012 August 31, 2016, \$1,729,767 (\$264,551 to UNTHSC), Popa D, Z.Celik-Butler, D.Butler, F.L.Lewis, Bugnariu, N, Multi-Modal Skin Garments for Healthcare and Home Robots, NSF.
- **10.** September 1, 2012 August 31, 2013, \$100,000, Bugnariu, N., PI, Patterson, R.M., Co-PI, Thibodeau, L. (UTD), Roeser, C. (UTD), Wilson, P. (UTD), *Good hearing*, *steady feet Developing auditory devices* that improve hearing and decrease the risk for falls, Texas Medical Research Collaborative (TxMRC). (No Cost extension 2013)
- 11. <u>07/01/2011 06/30/2012</u>, \$20,000, Connors, M., PI, Patterson, R.M. Co-I, Holmes, C. Co-I, Stiffness Evaluation and Treatment for Shoulder Disability, UNTHSC seed grant.
- 12. <u>01/15/2010 01/14/2011</u>, \$20,000, Bugnariu, N., Patterson, R.M., Co-I, Kneble, J., Co-I, Maintaining balance in conditions of sensory conflicts: the impact of individual perceptual style on mechanisms of control, UNTHSC 2009/2010, Institutional Seed Research Program.
- 13. <u>02/01/2005-12/31/2009</u>, \$796,000, W.L. Buford, Jr., P.I., and Ivey, F. Marty and Rita M. Patterson (10%), Co-P.I's, Musculoskeletal Simulation, Interactive Surgical Planning and Computer Aided Prosthesis Design, Research Contract from Smith Nephew, Incorporated.
- 14. <u>01 May 2002-31 April 2004</u>, \$69,890, Garges, K.J., P.I., Morris, R.M., R.M., Patterson, and Yang, J., The Affect of Lumbar Lordosis on Stability and Injury, John Sealy Memorial Endowment Fund for Biomedical Research (recruitment).

- 15. October 01, 2001-April 30, 2002, \$30,138/1.5 years, A. J. Muffoletto, P.I., J. Yang, R. P. Morris, R. M. Patterson, A Biomechanical Comparison of Posterior Cervical Stabilization Constructs, Medtronics, Incorporated.
- 16. <u>01 January 1999-30 December 2002</u>, \$277,137.00, M.J. Grecula., P.I., R.P. Morris, W.L. Buford, Jr., and R.M. Patterson, Quantification of Femoral Surface Strain After Total Hip Arthroplasty, Zimmer, Incorporated.
- 17. <u>01 July 1997-01 September 1998</u>, \$3046.40, Caroline Jansen, P.I., Long Term Outcomes of Patients After Endoscopic Carpal Tunnel Release, Texas Physical Therapy Education and Research Foundation.
- 18. <u>01 July 1997-01 September 1998</u>, \$5659.60, Caroline Jansen, P.I., Long Term Outcomes of Patients After Endoscopic Carpal Tunnel Release, 1997 U.T.M.B. School of Allied Health Research Seed Grant Program.
- 19. <u>01 September 1996-31 August 1999</u>, \$204,879, including equipment valued @ \$136,000, W.L. Buford, Jr., P.I., and Ivey, F. Marty, Co-P.I., Motion Analysis of the Knee, DePuy, Incorporated.
- 20. <u>01 May 1996-30 April 1997</u>, \$12,500, M.J. Grecula, M.D., P.I. Development of a Computer Analysis Technique for Strain Patterns on the Femoral Surface After Total Hip Arthroplasty Using the Photoelastic Method, U.T.M.B. Small Grants Program.
- 21. <u>01 September 1995-01 September 1996</u>, \$4,000, E. Ko, M.D., P.I., Load Transmission Patterns of the Wrist, Elbow and Radio-Ulnar Joints in the Human Forearm, Mid America Orthopaedics Association.
- 22. <u>24 May 1995-01 June 1996</u>, \$2,500, E. Ko, M.D., P.I., Mechanical Analysis of Soft Tissue Grafts for Reconstruction of the Interosseous Membrane, Southern Medical Association.
- 23. <u>01 May 1995-01 June 1996</u>, \$5,900, Ko, E., M.D., P.I. A Quantitative Mechanical Analysis of the Interosseous Membrane in the Forearm: Pathomechanics of Injury and Implications for Reconstruction, American Society for Surgery of the Hand.
- 24. <u>01 January 1994-31 December 1999</u>, \$111,464, Amended to extend the award through 1999 (received on July 24, 1996) an additional \$200,202, W.L. Buford, Jr. and F. Marty, Ivey, Mechanics of Muscles at the Knee, Sulzer Orthopaedics, Incorporated.

Grants Submitted/Pending:

Invited Presentations:

Local and State

- 1. Served on a Panel, Balancing Professional and Personal Life. The workshop: What They Don't Tell You in Graduate School II, A Conference on Career Development for Women in Science and Engineering, College Station, TX, March 26, 1994.
- 2. Presented, Wrist image analysis, solid modeling, and its use in diagnosing carpal instabilities. The 1st World Congress on Computational Medicine, Public Health and Biotechnology, Austin, TX, April 24-28, 1994.
- 3. Attended and served on a panel discussing Bioengineering to upper level students. The Women in Engineering Science and Technology Conference (WEST), College Station, TX, October 20-21, 1995.
- 4. Guest lecturer, Wrist Kinematics and its applications. Dr. Cathie Ambrose's Kinematics Course at Rice University, March 2, 1996.
- 5. Judged, The Annual University of Texas at Houston Health Science Center, Residents research day, June 22, 1996.
- 6. Served on a panel discussing, Bioengineering. to upper level students, The; Women in Engineering Science and Technology Conference (WEST), College Station, TX, October 11-12, 1996.
- 7. Lectured, U.T.M.B. Wrist research. Dr. Jansen's physical therapy class, September 26, 1996.
- 8. Lectured, U.T.M.B. Wrist research. Dr. Jansen's physical therapy class, September 25, 1997.
- 9. Served as a discussion panelist, Why a graduate degree? Upper level bioengineering students, Women in Engineering Science and Technology Conference (WEST), College Station, TX, October 24-25, 1997.
- 10. Lectured, Upper extremity biomechanics. Texas Women's University Hand Fellows, 1998.
- 11. Lectured, U.T.M.B. Wrist research. to Dr. Jansen's physical therapy class, October 01, 1998.
- 12. Lectured, U.T.M.B. Bioengineering. The wrist, past, present, and future. September 29, 1998
- 13. Lectured, U.T.M.B. Wrist research kinematics. Dr. Catherine Ambrose's class at Rice University, March 2000.
- 14. Anatomy, Biomechanics, and kinematics of the wrist, Rice Lecture Series, Houston, TX, December 4, 2003.
- 15. The A, B, K's of the wrist, Seminar speaker for the UTMB Rehabilitation sciences curriculum, October 7, 2004.
- 16. Hand biomechanics and Kinematics, Texas Women's University and ASHT present: 3rd Annual Hand Conference & Research Seminar, February 5, 2006, Houston, Texas.
- 17. One Step Beyond...Common Tendon Injuries, Texas Women's University and ASHT present: 4th Annual Hand Conference & Research Seminar, February 9-11, 2008, Houston, Texas.

- 18. Hand and Wrist Biomechanics and the new Osteopathic Heritage Foundation Human Performance Lab, UNTHSC Pharmacology and Neuroscience Departmental Grand Rounds, September 30, 2008.
- 19. A Method to Study Hand Kinematics in Piano Players, PMI (Physical Medicine Institute) Seminar series, TCOM, Fort Worth, TX, May 18, 2010.
- 20. Hand Kinematics in Piano Players, MetroCon Fort Worth, TX, September 30, 2010.
- 21. Gait Analysis and Movement Disorders, Cooks Children's Neurosciences symposium, Fort Worth, TX, August 11, 2012.
- 22. Baylor University Mechanical Engineering department, Feb 13, 2013, Assessment of Human Performance using a Virtual Reality System.
- 23. Fort Worth Amputee Coalition, Feb, 10, 2016, Are you at Risk for Falls?"
- 24. DFW Health Entrepreneur Network (D-HEN), March 2, 2016 "Biomedical Research at UNTSHC and collaborations with the UNT Biomedical Engineering program".
- 25. Patterson, RM, "Teaching Evaluation of Shoulder Stiffness" Innovations in Teaching with Technology seminar, UNTHSC, May 10, 2016.
- 26. Fort Worth Amputee Coalition, November 8, 2016 co-presented "Functional Performance and Evaluation of Dynamic Response Feet" with Nicoleta Bugnariu and Gordon Stevens.
- 27. Institute for Healthy Aging Faculty Assembly, December 12, 2016, Evaluation of a more sensitive measure for prediction of changes in dynamic postural stability and fall risk.

National

- 28. Presented, Biomechanics of the Wrist. at The Carville Hand Seminar: Anatomy-Biomechanics-Insensitivity. Carville, LA, May 11-13, 1993.
- 29. CMC joints anatomy and kinematics. American Society for Surgery of the Hand (ASSH), First Place Scientific Exhibit, invited presenter, and American Association of Orthopaedic Surgeons (AAOS), First Place Scientific Exhibit, Dallas, TX, February 13-17,2002.
- 30. The A, B, K's of the wrist, Seminar speaker at the University of Memphis College of Engineering, January 21, 2005.
- 31. Kinematics in the Upper Extremities, AOA Research Conference, Las Vegas, NV, Oct. 26, 2008.
- 32. The Impact of OMT on Balance and Equilibrium, 2011 AOA Research Conference, October 30 November 1, 2011, Orlando, FL.
- 33. Keynote at the South Central Regional American Society of Biomechanics Meeting, April 12-13, 2013, Assessment of Human Performance Using a Virtual Reality System, Dallas, TX
- 34. September 23, 2013, Texas A&M University Bioengineering department seminar speaker. Evaluation of Upper Extremity Function and Motor Performance.
- 35. February 16th, 2014, North Carolina State University Biomedical Engineering seminar speaker. Evaluation of Upper Extremity Function and Motor Performance.
- 36. Dr. Patterson gave an invited presentation to the University of Kansas Mechanical engineering department March 28, 2016, "Wrist and Hand Functional Biomechanics".
- 37. IEEE Case 2016, half day Workshop titled Automation in Assistive Healthcare, August 21, 2016. My presentation titled "Use of motion capture and virtual reality to provide efficacy for positive rehabilitation outcomes".

International

38. International Society for Posture and Gait (ISPGR), New technology for Hand Rehabilitation, November 20, 2016.

PUBLICATIONS

Full Length Papers:

- 1. Viegas, S. F., Patterson, R. M., Peterson, P., Roefs, J., Tencer, A., and Choi, S. (1989). The effects of various load paths and different loads on the load transfer characteristics of the wrist. *The Journal of Hand Surgery, 14A (3)*, 458-465.
- 2. Viegas, S. F., Rimoldi, R., & Patterson, R. M. (1989). Modified Technique of Intramedullary Fixation for Wrist Arthrodesis. *The Journal of Hand Surgery, 14A (4)*, 618-623.
- 3. Viegas, S. F., Patterson, R. M., Peterson, P. D., Pogue, D. J., Jenkins, D. K., Sweo, T. D., & Hokanson, J. A. (1990). Evaluation of the Biomechanical Efficacy of Limited Intercarpal Fusions for the Treatment of Scapho-Lunate Dissociation. *The Journal of Hand Surgery*, 15A (1), 120-128.
- 4. Viegas, S. F., Patterson, R. M., Peterson, P. D., Pogue, D. J., Jenkins, D. K., Sweo, T. D., & Hokanson, J. A. (1990). Ulnar-Sided Perilunate Instability: An Anatomic and Biomechanic Study. *The Journal of Hand Surgery*, *15A* (2), 268-278.
- 5. Viegas, S. F., Wagner, K., Patterson, R. M., & Peterson, P. (1990). Medial (hamate) facet of the lunate. *The Journal of Hand Surgery, 15A (5)*, 564-571.
- 6. Viegas, S. F., Pogue, D. J., Patterson, R. M., & Peterson, P. D. (1990). Effects of Radioulnar Instability on the Radiocarpal Joint: A Biomechanical Study. *The Journal of Hand Surgery*, *15* (*5*), 728-732.
- 7. Pogue, D. J., Viegas, S. F., Patterson, R. M., Peterson, P. D., Jenkins, D. K., Sweo, T. D., & Hokanson, J. A. (1990). Effects of distal radius fracture malunion on wrist joint mechanics. *The Journal of Hand Surgery, 15 (5)*, 721-727.
- 8. Viegas, S. F., Patterson, R. M., Peterson, P. D., Crossley, M., & Foster, R. (1991). The silicone scaphoid: A biomechanical study. *The Journal of Hand Surgery*, *16* (1), 91-97.
- 9. Daum, W. J., Patterson, R. M., Cartwright, T. J., & Viegas, S. F. (1991). Comparison of Cortical and Cancellous Screw Pull-out Strengths about the Posterior Column and Sacroiliac Joint. *Journal of Orthopaedic Trauma*, *5* (1), 34-37.
- 10. Viegas, S. F., Patterson, R. M., Hillman, G. R., Peterson, P. D., Crossley, M., & Foster, R. (1991). Simulated Scaphoid Proximal Pole Fracture. *The Journal of Hand Surgery, 16 (3)*, 495-500.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 11. Patterson, R. M., & Ivey, M. (1992). Prosthetic Knee Design: Load Transfer Surface Areas and Load Characteristics of Cruciate Sacrificing Posterior Stabilized Total Knee Arthroplasties. *IEEE Engineering in Medicine and Biology*, *92*, 68-71.
- 12. Viegas, S. F., Patterson, R. M., Todd, P. D., & McCarty, P. (1993). Load mechanics of the midcarpal joint. *The Journal of Hand Surgery, 18 (1)*, 14-18.
- 13. Viegas, S. F., Hillman, G. R., Elder, K., Stoner, D., & Patterson, R. M. (1993). Measurement of carpal bone geometry by computer analysis of three-dimensional CT images. *The Journal of Hand Surgery*, *18A* (2), 341-350.
- 14. Viegas, S. F., Patterson, R. M., Hokanson, J. A., & Davis, J. (1993). Wrist anatomy: Incidence, distribution, and correlation of anatomic variations, tears, and arthrosis. *The Journal of Hand Surgery*, 18 (3), 463-475.
- 15. Tagare, H. D., Elder, K. W., Stoner, D. M., Patterson, R. M., Nicodemus, C. L., Viegas, S. F., & Hillman, G. R. (1993). Location and Geometric Description of Carpal Bones in CT Images. *Annals of Biomedical Engineering*, *21*, 715-726.
- 16. Viegas, S. F., Patterson, R. M., & Ward, K. (1995). Extrinsic Wrist Ligaments in the Pathomechanics of Ulnar Translation Instability. *The Journal of Hand Surgery, 20A (2)*, 312-318.
- 17. Self, J., Viegas, S. F., Buford, W. L. Jr., & Patterson, R. M. (1995). A comparison of double-plate fixation methods for complex distal humerus fractures. *Journal of Shoulder and Elbow Surgery*, 4(1), 10-16.
- 18. Patterson, R. M., Viegas, S. F., Elder, K., & Buford, W. L. (1995). Quantification of Anatomic, Geometric, and Load Transfer Characteristics of the Wrist Joint. *Seminars in Arthroplasty*, 6 (1), 13-19.
- 19. Patterson, R. M., & Viegas, S. F. (1995). Biomechanics of the Wrist. *Journal of Hand Therapy*, 8 (2), 97-105.
- 20. Patterson, R. M., Elder, K. W., Viegas, S. F., & Buford, W. L. (1995). Carpal Bone Anatomy Measured by Computer Analysis of Three-Dimensional Reconstructions of Computed Tomography Images. *The Journal of Hand Surgery*, 20A (6), 923-929.
- 21. Patterson, R. M., Pogue, D., & Viegas, S. (1997) The Effects of Time and Light Exposure on Contact and Pressure Measurements Using Fuji Prescale Film. *The Iowa Orthopaedic Journal*, 17, 64-69.
- 22. Buford, W. L. Jr., Ivey, M. Jr., Malone, J. D., Patterson, R. M., Peare, G. L., Nguyen, D. K., & Stewart, A. A. (1997). Muscle Balance at the Knee Moment Arms for the Normal Knee and the ACL Minus Knee. *IEEE Transactions on Rehabilitation Engineering*, *5* (4), 367-379.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 23. Patterson, R. M., Nicodemus, C. L., Viegas, S. F., Elder, K. W., & Rosenblatt, J. (1997). Normal Wrist Kinematics and the Analysis of the Effect of Various Dynamic External Fixations for Treatment of Distal Radius Fractures. *Hand Clinics*, *13* (1), 129-141.
- 24. Viegas, S. F., & Patterson, R. M. (1997). Load Mechanics of the Wrist. *Hand Clinics*, *13* (1), 109-128.
- 25. Patterson, R. M., Nicodemus, C. L., Viegas, S. F., Elder, K. W., & Rosenblatt, J. (1998). High-Speed, Three-Dimensional Kinematic Analysis of the Normal Wrist. *The Journal of Hand Surgery*, 23A (3), 446-453.
- 26. Yamaguchi, S., Viegas, S. F., & Patterson, R. M. (1998). Anatomic Study of the Pisotriquetral Joint: Ligament Anatomy and Cartilagenous Change. *The Journal of Hand Surgery*, 23A (4), 600-606.
- 27. Peh, W. C. G., Patterson, R. M., Viegas, S. F., Hokanson, J. A., & Gilula, L. A. (1999). Radiographic-Anatomic Correlation at Different Wrist Articulations. *The Journal of Hand Surgery*, 24A (4), 777-780.
- 28. Viegas, S. F., Yamaguchi, S., Boyd, N. L., & Patterson, R. M. (1999). Original Communications The Dorsal Ligaments of the Wrist: Anatomy, Mechanical Properties, and Function. *The Journal of Hand Surgery, 24A (3), 456-468*.
- 29. Moritomo, H., Viegas, S. F., Nakamura, K., DaSilva, M. F., & Patterson, R. M. (2000). The Scaphotrapezoidal Joint. Part 1: An Anatomic and Radiographic Study. *The Journal of Hand Surgery*, 25A (5), 899-910.
- 30. Moritomo, H., Viegas, S. F., Elder, K., Nakamura, K., DaSilva, M. F., & Patterson, R. M. (2000). The Scaphotrapezio-trapezoidal Joint. Part 2: A Kinematic Study. *The Journal of Hand Surgery*, 25A (5), 911-920.
- 31. Grecula, M. J., Morris, R. P., Laughlin, J. C., Buford, W. L. Jr., & Patterson, R. M. (2000). Femoral Surface Strain in Intact Composite Femurs: A Custom Computer Analysis of the Photoelastic Coating Technique. *IEEE Transactions on Biomedical Engineering*, 47 (7), 926-933.
- 32. Stegink Jansen, C. W., Patterson, R. M., & Viegas, S. F. (2000). Effects of Fingernail Length on Finger and Hand Performance. *Journal of Hand Therapy*, *13*, 211-217.
- 33. Moritomo, H., Viegas, S. F., Elder, K. W., Nakamura, K., DaSilva, M. F., Boyd, N. L., & Patterson, R. M. (2000). Scaphoid Nonunions: A 3-Dimensional Analysis of Patterns of Deformity. *The Journal of Hand Surgery, 25A (3),* 520-528.
- 34. Nakamura, K., Beppu, M., Patterson, R. M., Hanson, C. A., Hume, P. J., & Viegas, S. F. (2000). Motion Analysis in Two Dimensions of Radial-Ulnar Deviation of Type I Versus Type II Lunates. *The Journal of Hand Surgery, 25A (5),* 877-888.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 35. Nakamura, K., Patterson, R. M., Moritomo, H., & Viegas, S. F. (2001). Type I Versus Type II Lunates: Ligament Anatomy and Presence of Arthrosis. *The Journal of Hand Surgery*, *26A* (3), 428-436.
- 36. Patterson, R. M., Stegink Jansen, C. W., Hogan, H. A., & Nassif, M. D. (2001). Material Properties of Thera-Band Tubing. *Physical Therapy*, 81 (8), 1437-1445.
- 37. Buford, W. L. Jr., Ivey, F. M. Jr., Nakamura, T., Patterson, R. M., & Nguyen, D. K. (2001). Internal/external rotation moment arms of muscles at the knee: moment arms for the normal knee and the ACL-deficient knee. *The Knee*, *8*, 293-303.
- 38. Goslings, J. C., DaSilva, M. F., Viegas, S. F., Perren, S. M., & Patterson, R. M. (2001). Kinematics of the Wrist With a New Dynamic External Fixation Device. *Clinical Orthopaedics and Related Research*, 386, 226-234.
- 39. Nakamura, K., Patterson, R. M., & Viegas, S. F. (2001). The Ligament and Skeletal Anatomy of the Second Through Fifth Carpometacarpal Joints and Adjacent Structures. *The Journal of Hand Surgery*, 26A (6), 1016-1029.
- 40. El-shennawy, M., Nakamura, K., Patterson, R. M., & Viegas, S. F. (2001). Three-Dimensional Kinematic Analysis of the Second Through Fifth Carpometacarpal Joints. *The Journal of Hand Surgery*, 26A (6), 1030-1035.
- 41. Osada, D., Viegas, S. F., Shah, M. A., Morris, R. P., & Patterson, R. M. (2003). Comparison of Different Distal Radius Dorsal and Volar Fracture Fixation Plates: A Biomechanical Study. *The Journal of Hand Surgery*, 28A (1), 94-104.
- 42. Patterson, R. M., Moritomo, H., Yamaguchi, S., Mitsuyasu, H., Shah, M., Buford, W. L., & Viegas, S. F. (2003). Scaphoid Anatomy and Mechanics: Update and Review. *Operative Techniques in Orthopaedics*, *13* (1), 2-10.
- 43. Yoshida, R., House, H. O., Patterson, R. M., Shah, M. A., & Viegas, S. F. (2003). Motion and Morphology of the Thumb Metacarpophalangeal Joint. *The Journal of Hand Surgery*, 28A (5), 753-757.
- 44. Yoshida, R., Shah, M. A., Patterson, R. M., Buford, W. L. Jr., Knighten, J., & Viegas, S. F. (2003). Anatomy and Pathomechanics of Ring and Small Finger Carpometacarpal Joint Injuries. *The Journal of Hand Surgery, 28A (6),* 1035-1043.
- 45. Mitsuyasu, H., Yoshida, R., Shah, M., Patterson, R. M., & Viegas, S. F. (2003). Unusual Variant of the Extensor Carpi Radialis Brevis Muscle: A Case Report. *Clinical Anatomy*, *17*, 61-63.
- 46. Mitsuyasu, H., Patterson, R. M., Shah, M. A., Buford, W. L., Iwamoto, Y., & Viegas, S. F. (2004). The Role of the Dorsal Intercarpal Ligament in Dynamic and Static Scapholunate Instability. *The Journal of Hand Surgery, 29A (2),* 279-288.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 47. Patterson, R. M., Moritomo, H., Yamaguchi, S., Mitsuyasu, H., Shah, M. A., Buford, W. L., & Viegas, S. F. (2004). Scaphoid anatomy and mechanics: update and review. *Atlas of the Hand Clinics*, *9*, 129-140.
- 48. Trevino, S. G., Buford, W. L. Jr., Nakamura, T., Wright, A. J., & Patterson, R. M. (2004). Use of a Torque-Range-of-Motion Device for Objective Differentiation of Diabetic from Normal Feet in Adults. *Foot & Ankle International*, *25* (8), 561-567.
- 49. Carmichael, K. D., Westomoreland, J. B., Thomas, J. A., & Patterson, R. M. (2005). Relation of Residency Selection Factors to Subsequent Orthopaedic In-Training Examination Performance. *Southern Medical Journal*, *98* (5), 528-532.
- 50. Nagao, S., Patterson, R. M., Buford, W. L. Jr., Andersen, C. R., Shah, M. A., & Viegas, S. F. (2005). Three-Dimensional Description of Ligamentous Attachments Around the Lunate. *The Journal of Hand Surgery*, 30A (4), 685-692.
- 51. Koh, S., Andersen, C. R., Buford, W. L. Jr., Patterson, R. M., & Viegas, S. F. (2006). Anatomy of the Distal Brachioradialis and Its Potential Relationship to Distal Radius Fracture. *The Journal of Hand Surgery*, 31A (1), 2-8.
- 52. Iwamoto, A., Morris, R. P., Andersen, C., Patterson, R. M., & Viegas, S. F. (2006). An Anatomic and Biomechanic Study of the Wrist Extensor Retinaculum Septa and Tendon Compartments. *The Journal of Hand Surgery, 31A (6),* 896-903.
- 53. Koh, S., Morris, R. P., Patterson, R. M., Kearney, J. P., Buford, W. L. Jr., & Viegas, S. F. (2006). Volar Fixation for Dorsally Angulated Extra-Articular Fractures of the Distal Radius: A Biomechanical Study. *The Journal of Hand Surgery*, 31A (5), 771-779.
- 54. Nanno, M., Buford, W. L. Jr., Patterson, R. M., Andersen, C. R., & Viegas, S. F. (2006). Three-Dimensional Analysis of the Ligamentous Attachments of the First Carpometacarpal Joint. *The Journal of Hand Surgery, 31A (7),* 1160-1170.
- 55. Nanno, M., Patterson, R. M., & Viegas, S. F. (2006). Three-Dimensional Imaging of the Carpal Ligaments. *The Hand Clinics*, *22*, 399-412.
- 56. Bu, J., Patterson, R. M., Morris, R., Yang, J., & Viegas, S. F. (2006). The Effect of Radial Shortening on Wrist Joint Mechanics in Cadaver Specimens With Inherent Differences in Ulnar Variance. *The Journal of Hand Surgery, 31A (10),* 1594-1600.
- 57. Nanno, M., Buford, W. L. Jr., Patterson, R. M., Andersen, C. R., & Viegas, S. F. (2006). Three-Dimensional Analysis of the Ligamentous Attachments of the Second Through Fifth Carpometacarpal Joints. *Clinical Anatomy*, *20*, 530-544.
- 58. Patterson, R. M., Williams, L., Andersen, C. R., Koh, S., & Viegas, S. F. (2007). Carpal Kinematics During Simulated Active and Passive Motion of the Wrist. *The Journal of Hand Surgery*, 32A (7), 1013-1019.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 59. Panchbhavi, V. K., Vallurupalli, S., Morris, R., & Patterson, R. M. (2008). The Use of Calcium Sulfate and Calcium Phosphate Composite Graft to Augment Screw Purchase in Osteoporotic Ankles. *Foot & Ankle International*, 29 (6), 593-600.
- 60. Nakamura, T., Abreu, B. C., Patterson, R. M., Buford, W. L. Jr., & Ottenbacher, K. J. (2008). Upper-Limb Kinematics of the Presumed-to-Be-Unaffected Side After Brain Injury. *The American Journal of Occupational Therapy*, 62 (1), 46-50.
- 61. Yazaki, N., Burns, S. T., Morris, R. P., Andersen, C. R., Patterson, R. M., & Viegas, S. F. (2008). Variations of Capitate Morphology in the Wrist. *The Journal of Hand Surgery, 33A*, 660-666.
- 62. Garges, K. J., Nourbakhsh, A., Morris, R., Yang, J., Mody, M., & Patterson, R. M. (2008). A Comparison of the Torsional Stiffness of the Lumbar Spine in Flexion and Extension. *Journal of Manipulative and Physiological Therapeutics*, 31 (8), 563-569.
- 63. Crow, W. T., King, H. H., Patterson, R. M., & Giuliano, V. (2009). Assessment of calvarial structure motion by MRI. *Osteopathic Medicine and Primary Care, 3 (1), 3-8.*
- 64. Caroline W. Stegink-Jansen, William L. Buford, Rita M. Patterson, and Lisa J. Gould, Computer Simulation of Pectoralis Major Muscle Strain to Guide Exercise Protocols for Patients after Breast Cancer Surgery, *JOSPT*, 41 (6), 417-426.
- 65. Lopez D, King HH, Knebl JA, Kosmopoulos V, Collins D, Patterson RM. Effects of comprehensive osteopathic manipulative treatment on balance in elderly patients: a pilot study. *J Am Osteopath Assoc*. 2011;111(6):382-388.
- 66. Cromeens, B., Patterson, R., Sheedlo, H., Motley, TA., Stewart, D., Fisher, C., Suzuki, S., Su, F., Reeves, R. Association of Hindfoot Ligament Tears and Osteochondral Lesions. Foot & Ankle International 2011:32(12):1164-1174.
- 67. Patterson, RM, Yazaki, N, Andersen, CR, and Viegas, SF, Prediction of Ligament Length and Carpal Bone Diastasis During Wrist Flexion Extension and after Simulated Scapholunate Instability, Journal of Hand Surgery, *The Journal of Hand Surgery*. 2013:38A (3),509-525.
- 68. Patterson, R.R., Longnecker, R., Kneble, J., and Bugnariu, N., Effect of Age on Performance of Task with Spatial Conflict, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013. (Full length paper)
- 69. Bugnariu, H., Young, C., Rockenbach, K., Patterson, R.M., Garver, C., Beltran, M., Ranatunga, I., Torres, N.A., and Popa, D.O., Human-robot interaction as a tool to evaluate and quantify motor imitation behavior in children with Autism Spectrum Disorders, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013. (Full length paper)
- 70. Bugnariu, H., Garver, C., de Weerd, C., van Loon, E., Young, C., Longnecker, R., and Patterson, R.M., Motor function in children with Autism Spectrum Disorders, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013. (Full-length

- Curriculum Vitae, Rita M. Patterson, Ph.D. paper).
- 71. Cromeens, B.P., Kirchhoff, C.A., Patterson, R.M., Motley, T., Stewart, D., Fisher, C., and Reeves, R., An Attachment Based Description of the Medial Collateral and Spring Ligament Complexes, Foot & Ankle International, 2015 Jun;36(6):710-21.
- 72. J. Sanford, R. Patterson, and D. Popa, "Concurrent SEMG and force myography classification during times of prosthetic socket shift and user fatigue," SAGE Journal of Rehabilitation and Assistive Technologies Engineering, *accepted as of June 2016*

Book Chapters:

- 1. Viegas, S.F.; Patterson, R.M.; Werner, F.W. Biomechanics of the wrist. Chapter 6, Pages 99-126 in K.N. An, R.A. Berger, W.P. Cooney, editors. Joint contact area and pressure. Springer-Verlag, New York, NY, 1991.
- 2. Viegas, S.F.; Patterson, R.M. Advances in the biomechanics of the hand and wrist, Chapter 12, Pages 137-151 in Schuind, et al.; editors. N.A.T.O. ASI Series: Contact pressures within the wrist. Plenum Press, New York, NY, 1994.
- 3. Patterson, R.M.; Viegas, S.F.; Elder, K.; Buford, W.L., Jr. Building a man in the machine-computational medicine, public health, and biotechnology. Vol. 5, Part II, Series in mathematical biology and medicine. Wrist image analysis, solid modeling, and its use in diagnosing carpal instabilities. World Scientific Press, NJ, 1995.
- 4. Patterson, R.M.; Viegas, S.F. in The wrist. in K. Watson and J. Weinzweig, Lippincott-Raven, editors, Kinematics of the Wrist. New York, NY, 2000.
- 5. Van Sint Jan, S.; Patterson, R.M.; Buford, W.L., Jr.; Giurintano, D. Three-dimensional modelization of human joint kinematics from medical imaging. in C.T. Leondes editor, Database and data communication network systems techniques and applications. Gordon and Breach International Series in Engineering, Technology and Applied Sciences, 1999.
- 6. Nanno, M., Patterson, R. M., & Viegas, S. F. (2006). Carpal Ligament Anatomy and Biomechanics. In T. E. Trumble & J. E. Budoff (Eds.), *American Society for Surgery of the Hand Wrist and Elbow Reconstruction & Arthroscopy* (pp. 3-18). Illinois: Master Skills Publication.
- 7. Patterson, R.M.; An, K.N, Musculoskeletal disorders in the workplace, Chapter 6b, Margareta Nordin, Gunnar B.J. Andersson, and Malcolm Pope editors, Biomechanics of the wrist and hand, Mosby, 2007.
- 8. Nanno, M., Patterson, R.M., and Viegas, S.F., Carpal Ligament Anatomy and Biomechanics, Chapter 1, Thomas E. Trumble and Jeffrey E. Budoff editors, Wrist and Elbow Reconstruction & Arthroscopy, American Society for Surgery of the Hand, 2007.
- 9. Naoya Yazaki, MD, Rita M. Patterson, PhD, and Steven F. Viegas, MD. Fractures and Injuries of the Distal Radius and Carpus, the Cutting Edge. Chapter 41, The Dorsal Ligaments of the Wrist. David J. Slutsky, M.D. and A. Lee Osterman M.D.. 2009: 407-416.

Full Length Abstract Papers

1. Haghshenas-Jaryani, M., Carrigan, W., Wijesundara, M. B.J., Patterson, R.M., Bugnariu, N., and Niacaris, T., Kinematics Study of a Soft and Rigid Robotic Digit for Rehabilitation and Assistive Applications, ASME 2016 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference IDETC2016, August 21-24, 2016, Charlotte, NC.

Published (Peer Review) Proceedings:

- 1. Patterson, R.M.; Cook, J. Effect of muscle biopsy on leg strength in children: A retrospective and prospective study. The Child Neurology Society Convention in Boston, MA, October 1987.
- 2. Patterson, R.M.; Viegas, S.F.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited carpal fusions for the treatment of scapho-lunate dissociation. The Southern Biomedical Engineering Conference. Richmond, VA, October 16, 1989.
- 3. Patterson, R.M.; Viegas, S.F.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited carpal fusions for the treatment of scapho-lunate dissociation. Biomaterials. Artificial Cells, and Artificial Organs. 17(4):519; 1989.
- 4. Patterson, R.M.; Viegas, S.F.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited carpal fusions for the treatment of scapho-lunate dissociation. The Southern Biomedical Engineering Conference in Richmond, VA, October 16, 1989.
- 5. Viegas, S.F.; Patterson, R.M.; Tencer, A.; Peterson, P.; Roefs, J.; Choi, S. the effects of various load paths and different loads on the load transfer characteristics of the wrist. J. Hand Surg. 14A:458-465; May 1989, and the Year Book Medical Publisher, Year Book of Hand Surgery, p. 156; 1990.
- 6. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited intercarpal fusions for the treatment of scapho-lunate dissociation; Orthopaedic Transactions. 14:554; 1990.
- 7. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. Ulnar sided perilunate instability: An anatomic and biomechanic study. Orthopaedic Transactions. 14:163; 1990.
- 8. Viegas, S.F.; Rimoldi, R.; Patterson, R.M. A modified technique of intramedullary fixation for wrist arthrodesis. J. Hand Surg. 14A:618-623; 1989, and The Year Book Medical Publisher. Year Book of Hand Surg. pp. 119-120; 1991.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 9. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The Evaluation of the Biomechanical Efficacy of Limited Intercarpal Fusions for the Treatment of Scapho-Lunate Dissociation. J. Hand Surg., 15A(1):268-278, January 1990; and The Year Book Medical Publisher. Year Book of Hand Surgery. pp. 145-147; 1991.
- 10. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. Ulnar sided instability: An anatomic, biomechanic, and clinical study. J. Hand Surg. 15A(2); March 1990, and the Year Book of Hand Surgery. pp. 140-142; 1991.
- 11. Viegas, S.F.; Patterson, R.M.; Peterson, P.D. Load transfer characteristics of the midcarpal joint. & measurement of carpal bone geometry by computer analysis of 3-D CT images. The 46th Annual Meeting of the American Society for Surgery of the Hand in Orlando, FL, October 2-5, 1991.
- 12. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L.; Jr. 3D reconstruction of CT wrist images: Its accuracy and potential applications. The Wrist Investigators Workshop in Asheville, NC, September 9, 1992.
- 13. Buford, W.L.; Jr.; Viegas, S.F.; Patterson, R.M. Towards real-time, computer graphics simulation of the human musculoskeletal system. The International Simulation Technology Conference (SimTEC 92 & WNN '92), South Shore Harbor/Johnson Space Center, Clear Lake, TX, November 4-6, 1992.
- 14. Viegas, S.F.; Wagner, K.; Patterson, R.M.; Peterson, P. Medial (hamate) facet of the lunate. J. Hand Surg. 15-A:564-571; 1990, and the Year Book of Hand Surgery, pp. 175-176; 1992.
- 15. Viegas, S.F.; Pogue, D.J.; Patterson, R.M.; Peterson, P.D. The Effects of Radioulnar instability on the radiocarpal joint: A biomechanical study. J. Hand Surg., 15-A:728-732; 1990, and The Year Book of Hand Surgery. pp. 184-185; 1992.
- 16. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Crossley, M.; Foster, R.A. The silastic scaphoid: A biomechanical study. J. Hand Surg. 16-A:910-970; 1991, and The Year Book of Hand Surg. pp. 185-186; 1992.
- 17. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Crossley, M.; Foster, R.A. The silastic scaphoid: A biomechanical study. Current Opinion in Orthopedics. pp. 91-97; June 1992.
- 18. Viegas, S.F.; Patterson, R.M.; Hillman, G.R.; Peterson, P.D. The simulated scaphoid proximal pole fracture. A biomechanical study, J. Hand Surg. 16A:495-500; 1991, Current Opinion in Orthopaedics, pp. 495-500; June 1992.
- 19. Buford, W.L., Jr.; Viegas, S.F.; Patterson, R.M. Towards real-time, computer graphics simulation of the human musculoskeletal system. Proceedings of the SIMTECH '92 the Society for Computer Simulation. (ed.). Mary Lou Padget. San Diego, CA, pp. 373-376; 1992.
- 20. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. The evaluation of the biomechanical efficacy of limited intercarpal fusions

- Curriculum Vitae, Rita M. Patterson, Ph.D. for the treatment of scapho-lunate dissociation. Orthopaedic Knowledge Update 4, American Academy of Orthopaedic Surgeons. (ed.). J. Frymoyer. p. 399; February 1993.
- 21. Viegas, S.F.; Patterson, R.M.; Peterson, P.D.; Pogue, D.J.; Jenkins, D.K.; Sweo, T.D.; Hokanson, J.A. Ulnar sided instability: An anatomic, biomechanic, and clinical study. Orthopaedic Knowledge Update 4. American Academy of Orthopaedic Surgeons. (ed.). J. Frymoyer. p. 383; February 1993.
- 22. Viegas, S.F.; Patterson, R.M.; Hillman, G.R.; Peterson, P.D.; Crossley, M.; Foster, R.A. The simulated scaphoid proximal pole fracture: A biomechanical study. J. Hand Surg., 16A:495-500; 1991, and the Year Book of Hand Surgery pp. 144-145; 1993.
- 23. Patterson, R.M.; Viegas, S.F.; Hillman, G.H.; Elder, K.S.; Buford, W.L., Jr. A new approach to wrist imaging and its use in diagnosing carpal instabilities. Proceedings of the 15th Annual International Conference, I.E.E.E. Engineering in Medicine and Biology Society, San Diego, CA, pp. 1075, 1076; October 28-31, 1993.
- 24. Patterson, R.M. Normative carpal bone anatomy measured by computer analysis of 3 dimensional CT images. The 11th Annual Meeting of the American Association of Clinical Anatomists. U.T.M.B.; Galveston, TX, June 14-17; 1994.
- 25. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L.; Jr. A new approach to wrist imaging and its use in diagnosing carpal instabilities. The Society of Engineering Science 31st Annual Technical Meeting, Texas A&M University, College Station, TX, October 10-12, 1994.
- 26. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L., Jr. Normative carpal bone anatomy measured by computer analysis of 3D reconstructions of CT images. The 49th Annual Meeting of the American Society of Surgery of the Hand. October 26-29, 1994.
- 27. Hillman, G.R.; Tagare, H.D.; Elder, K.W.; Stoner, D.M.; Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Dong, Y. Location and geometric description of carpal bones in CT Images. I.E.E.E. International Conference on Image Processing. Austin, TX, November 1994.
- 28. Viegas, S.F.; Patterson, R.M.; Todd, P. and McCarty, P. Load mechanics in the midcarpal joint. J. Hand Surg. 18A:14-18; 1993; (Abstract), and the Year Book of Hand Surgery, pp. 177-178; 1994.
- 29. Viegas, S.F.; Hillman, G.; Elder, K.; Stoner, D.; Patterson, R.M. Measurement of carpal bone geometry by computer analysis of 3-D CT images. J. Hand Surg. 341-349; March 1993, (Abstract), and the Year Book of Hand Surgery. pp. 179-180; 1994.
- 30. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L., Jr. A new approach to wrist imaging and its use in diagnosing carpal instabilities. The Society of Engineering Science 31st Annual Technical Meeting, Texas A&M University, College Station, TX, October 10-12, 1994.
- 31. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L., Jr. Normative carpal bone anatomy measured by computer analysis of 3D reconstructions of CT images. The 49th Annual Meeting of the American Society of Surgery of the Hand. October 26-29, 1994.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 32. Hillman, G.R.; Tagare, H.D.; Elder, K.W.; Stoner, D.M.; Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Dong, Y. Location and geometric description of carpal bones in CT images. I.E.E.E International Conference on Image Processing. Austin, TX, November 1994.
- 33. Buford, W.L.; Jr.; Ivey, F.M.; Patterson, R.M.; Peare, G.; Nguyen, D. Muscle moment arms at the knee (for the normal knee, ACL minus knee, and knees with PCL sparing and sacrificing prostheses). Bioengineering Conf. Beaver Creek, CO, ASME Proc. BED-29:379-380; 1995.
- 34. Buford, W.L.; Jr.; Ivey, F.M.; Malone, J.D.; Patterson, R.M.; Nguyen, D. Quantification of dynamic muscle moment arms at the knee (for the normal knee, ACL minus knee, and knee with PCL sparing and sacrificing prostheses). Advances in Bioengineering. ASME International Mechanical Engineering Congress and Exposition, San Francisco, CA, November 12-17, ASME Proceedings BED-31:221-222; 1995.
- 35. Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Elder, K.W.; Rosenblatt, J. The Efficacy of dynamic external fixation for treatment of distal radius fractures using 3D kinematic analysis. The International Hand and Wrist Biomechanics Symposium, San Francisco, CA, September 10-11, 1995.
- 36. Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Elder, K.W.; Rosenblatt, J. The Efficacy of dynamic external fixation for treatment of distal radius fractures using 3D kinematic analysis. The International Hand and Wrist Biomechanics Symposium, San Francisco, CA, September 10-11, 1995.
- 37. Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Elder, K.W.; Rosenblatt, J. Analysis on the effect of normal wrist kinematics of various dynamic external fixators. The 1996 International Mechanical Engineering Congress and Expo. Atlanta, GA, November 17-22, 1996.
- 38. Patterson, R.M.; Nicodemus, C.L.; Viegas, S.F.; Elder, K.W.; Rosenblatt, J. Analysis on the effect of normal wrist kinematics of various dynamic external fixators. The 1996 International Mechanical Engineering Congress and Expo. Atlanta, GA, November 17-22, 1996.
- 39. Patterson, R.M.; Viegas, S.F.; Nicodemus, C.L.; Buford, W.L., Jr.; Rosenblatt, J. The efficacy of dynamic external fixation for treatment of distal radius fractures using 3D kinematic analysis. 14th Annual Conference on Biomedical Engineering Research. The University of Houston, Houston, Texas. Book of Abstracts p. 91; February 8 & 9, 1996.
- 40. Patterson, R.M.; Viegas, S.F.; Elder, K.; Buford, W.L., Jr. The efficacy of dynamic external fixation for treatment of distal radius fractures using 3D kinematic analysis. Mid-America Orthopaedic Association 14th Annual Meeting. Hyatt Regency Hill Country Resort, San Antonio, Texas, Proceedings. p. 242; April 24-28, 1996.
- 41. Viegas, S.F.; Patterson, R.M.; Ward, K. Extrinsic wrist ligaments in the pathomechanics of ulnar translation. The Year Book of Hand Surgery. pp. 1-3; 1996.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 42. Buford, W.L.; Jr.; Ivey, F.M.; Malone, D.J.; Patterson, R.M.; Nguyen, D. The effect of total knee arthroplasty upon muscle moment arm balance at the knee. 20th Annual Meeting of the American Society of Biomechanics, Georgia Tech, Atlanta, GA, Conference Proceedings. pp. 211-212; October 17-19, 1996.
- 43. Buford, W.L.; Jr.; Ivey, F.M.; Malone, D.J.; Patterson, R.M.; Nguyen, D. Moment arms of muscles at the knee for the normal knee and the ACL minus knee. 20th Annual Meeting of the American Society of Biomechanics, Georgia Tech, Atlanta, GA, Conference Proceedings. pp. 213-214; October 17-19, 1996.
- 44. Patterson, R.M.; Elder, K.W.; Viegas, S.F.; Buford, W.L.; Jr. Carpal bone anatomy measured by computer analysis of 3D reconstructions of CT images. J. Hand Surg. 20A(6):923-929; November 1995, and the Year Book of Hand Surgery. pp. 152-154; 1997.
- 45. Pickard, J.M.; Buford, W.L.; Jr.; Elder, K.W.; Patterson, R.M.; Hadnott, W.H. II. A 3-D graphical system for interactive adjustment and verification of multiple axes of motion for the upper extremity. Summer ASME Bioengineering Conference, Session on Computational Biomechanics. Sun River, OR, Proceedings. pp. 239-240; June 11-15, 1997.
- 46. Pickard, J.M.; Buford, W.L.; Jr.; Elder, K.W.; Patterson, R.M. An interactive computer graphical system for the study of upper extremity kinematics using up to 3 degrees-of-freedom at each joint. XVIth Congress of the International Society of Biomechanics. Tokyo Metropolitan University, Japan, Proceedings. pp. 74-75; August 25-29, 1997.
- 47. Buford, W.L.; Jr.; Pickard, J.M.; Elder, K.W.; Patterson, R.M. Demonstration of interactive adjustment and verification of effective axes of motion in a 3-D simulation system. VIth International Symp. on Computer Simulation in Biomechanics, National Olympics Memorial Youth Center (Seisyonen Sentah), Tokyo, Japan, Proceedings. p.17; August 21-23, 1997.
- 48. Pickard, J.M.; W. L. Buford, Jr.; K. W. Elder; R. M. Patterson. A multiple degree-of-freedom visual simulation for the upper extremity. 21st Annual Meeting of the American Society of Biomechanics, Clemson University, SC, Proceedings. pp. 18 & 19; September 24-27, 1997.
- 49. Buford, W.L.; Jr.; Ivey, F.M.; Stewart, A.A.; Nguyen, D.; Patterson, R.M. Muscle balance at the knee during internal and external knee rotation. 21st Annual Meeting of the American Society of Biomechanics, Clemson, SC, Proceedings. pp. 59, 60; September 24-27, 1997.
- 50. Morris, R.P.; Grecula, M.J.; Buford, W.L.; Jr.; Patterson, R.M. A photoelastic and computer analysis technique for quantification of femoral strain distribution after cementless stem implantation. American Society of Mechanical Engineers. Summer Bioeng. Conference, Sun River, OR, Proceedings. pp. 53, 54; 1997.
- 51. Stewart, A.A.; Buford, W.L.; Jr.; Ivey, F.M.; Malone, D.J.; Patterson, R.M.; Nguyen, D.; Nelson, C.J. Muscle balance at the knee during internal and external rotation. The 1997

- Curriculum Vitae, Rita M. Patterson, Ph.D.
 International Mechanical Engineering Congress and Exposition (ASME), Dallas, TX, Proceedings. pp. 147, 148; November 16-21, 1997.
- 52. Pickard, J.M.; Buford, W.L.; Jr.; Elder, K.W.; Patterson, R.M. A Three-dimensional computer simulation for interactive adjustment of multiple axes of motion for the upper extremity. (submitted for Best Student Paper Award). The 1997 International Mechanical Engineering Congress and Exposition (ASME), Dallas, TX, Proceedings. pp. 19, 20; November 16-21, 1997.
- 53. Morris, R.P.; Grecula, M.J.; Buford, W.L.; Jr.; Patterson, R.M. Quantification of femoral surface strain after cementless stem implantation by computer analysis of the photoelastic method. American Society of Mech. Engineering Winter Meeting, Dallas, TX, Proceedings. pp. 139, 140; November 1997.
- 54. Morris, R.P.; Grecula, M.J.; Buford, W.L.; Jr.; Patterson, R.M. Quantification of femoral surface strain after cementless stem implantation by computer analysis of the photoelastic method. American Society of Biomechanics, Clemson, NC, Proceedings. pp. 186, 187; November 1997.
- 55. Patterson, R.M.; Viegas, S.F.; Elder, K.W. Wrist kinematics. 1997 ASME Summer Bioengineering Conference, Sun River, OR, June 11-15, 1997.
- 56. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. Anatomical study of the pisotriquetral joint: ligamentous anatomy and cartilaginous change. and motion of the pisotriquetral joint. Orthopaedic Morning Conference, The University of Texas Medical Branch (UTMB), Galveston, TX, January 27, 1997.
- 57. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. Anatomical study of the pisotriquetral joint: ligamentous anatomy and cartilaginous change. 13th International Wrist Investigator's Workshop (IWIW), Denver, CO, September 10, 1997.
- 58. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. The Pisotriquetral joint: Anatomy and kinematics. 52nd American Society for Surgery of the Hand (ASSH), Denver, CO, September 11-13, 1997.
- 59. Yamaguchi, S.; Patterson, R.M.; Viegas, S.F. Anatomical study of the pisotriquetral joint: ligament anatomy and cartilaginous changes. 7th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH), (eds.) J.H. Roth and R.S. Richards, Monduzzi Edtore, Bologna, Italy. pp. 115-120; 1998.
- 60. Yamaguchi, S.; Patterson, R.M.; Viegas, S.F. The Anatomy of the dorsal carpal ligament of the wrist. 7th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH), (eds.) J.H. Roth and R.S. Richards, Monduzzi Edtore, Bologna, Italy. pp. 907-912; 1998.
- 61. Patterson, R.M.; Viegas, S.F.; Elder, K.W. Normal Wrist kinematics. A.A.O.S., New Orleans, LA, March 19-23, 1998.
- 62. Patterson, R.M.; Viegas, S.F.; Elder, K.W.; Ivey, F.M.; Hebert, C. Joint Kinematics. The 1998 Society of Women Engineers National Convention and Student Conference, Houston, TX, June 16-20, 1998.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 63. Yamaguchi, S.; Viegas, S.F.; Boyd, N.L.; Morris, R.P.; Patterson, R.M. The anatomy and mechanical properties of the dorsal carpal ligament of the wrist. The 3rd Triennial International hand and Wrist Biomechanics Symposium, Minneapolis, MN, July 15, 1998.
- 64. Morris, R.M.; Grecula, M.J.; Buford, W.L.; Jr.; Patterson, R.M. Quantification of femoral surface strain by computer analysis of the photoelastic method. American Society of Mechanical Engineers Winter Meeting, Anaheim, CA, Proceedings. pp. 225-226; November 1998.
- 65. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. The Pisotriquetral joint: Anatomy and kinematics. 44th Orthopaedic Research Society (ORS), New Orleans, LA, March 22-25, 1998
- 66. Viegas, S.F.; Yamaguchi, S.; Boyd, N.L.; Patterson, R.M. Dorsal Carpal Ligaments-Anatomy and Mechanical Properties. 14th International Wrist Investigator's Workshop (IWIW), Vancouver, Canada, May 24, 1998.
- 67. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. Pisotriquetral Joint: Three dimensional kinematics. 7th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH), Vancouver, Canada, May 24-28, 1998.
- 68. Viegas, S.F.; Yamaguchi, S.; Boyd, N.L.; Morris, R.; Patterson, R.M. The anatomy of the dorsal carpal ligament of the wrists. 7th Congress of the International Federation of Societies for Surgery of the Hand, (IFSSH), Vancouver, Canada, May 24-28, 1998.
- 69. Yamaguchi, S.; Viegas, S.F.; Patterson, R.M. Anatomical study of the pisotriquetral joint: ligamentous anatomy and cartilaginous change. 7th Congress of the International Federation of Societies for Surgery of the Hand, (IFSSH), Vancouver, Canada, May 24-28, 1998.
- 70. Viegas, S.F.; Yamaguchi, S.; Boyd, N.L.; Morris, R.; Patterson, R.M. The anatomy and mechanical properties of the dorsal carpal ligament of the wrist. 3rd Triennial International Hand and Wrist Biomechanics Symposium, Minneapolis, MN, September 8, 1998.
- 71. Viegas, S.F.; Yamaguchi, S.; Boyd, N.L.; Morris, R.; Patterson, R.M. The anatomy and mechanical properties of the dorsal carpal ligament of the wrist. 53rd American Society for Surgery of the Hand (ASSH), Minneapolis, MN, September 9-12, 1998.
- 72. Patterson, R.M.; Viegas, S.F, Nicodemus, C.L.; Elder, K. W. Normal wrist kinematics. 7th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH), Vancouver, Canada, May 24-28, 1998.
- 73. Patterson, R.M.; Viegas, S.F.; Elder, K.W. Normal wrist kinematics. A.A.O.S.; New Orleans, LA, March 19-23, 1998.
- 74. Patterson, R.M.; Viegas, S.F.; Elder, K.W.; Ivey, F.M.; Hebert, C. Joint kinematics. The 1998 Society of Women Engineers National Convention and Student Conference, Houston, TX, June 16-20, 1998.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 75. Patterson, R.M.; Buford, W.L., Jr.; Fay, J.M.; Nelson, C.J.; Ivey, F.M. Comparison of knee flexion angle using two measurement techniques. ASME; The 1998 International Mechanical Engineering Congress and Exposition, Anaheim, CA, November 15-20, 1998.
- 76. Patterson, R.M.; Buford, W.L., Jr.; Fay, J.M.; Nelson, C.J.; Ivey, F.M. Comparison of knee flexion angle using two measurement techniques. Fifth International Symposium on the 3-D Analysis of Human Movement, Chattanooga, TN, July 2-5, 1998.
- 77. Stegink, Jansen C.W.; Patterson, R.M.; Viegas, S.F.; Mossberg, K.M.; Allee, S.; Mazzarella, F. Correlations between patient centered and clinician centered outcomes after endoscopic carpal tunnel release. American International Federation of Societies for Surgery of the Hand. Vancouver, Canada, 1998.
- 78. Buford, W.L., Jr.; Andersen, C.R.; Elder, K.W.; Pickard, J.M.; Patterson, R.M. An Interactive system for three-dimensional computer graphic simulation of arm and leg kinematics (an application in Windows NT using Open GL and Visual C++). American Society of Mechanical Engineers (ASME), Big Sky, MT, June 16-20, 1999.
- 79. Nakamura, K.; DaSilva, M.F.; Patterson, R.M.; Viegas, S.F. Type I vs. Type II lunate morphology: Anatomy, X-ray, MRI and kinematics analysis. 54th Annual Meeting of the American Society for Surgery of the Hand, Boston, MA, September 2-4, 1999.
- 80. Moritomo, H.; Viegas, S.F.; Elder, K.; Nakamura, K.; DaSilva, M.F.; Patterson, R.M. The STT joint-anatomic, radiographic and kinematic study. 54th Annual Meeting A.S.S.H., September 2-4, 1999.
- 81. Moritomo, H.; Viegas, S.F.; Elder, K.; Nakamura, K.; DaSilva, M.F.; Patterson, R.M. Displacement of the Scaphoid nonunion: A three-dimensional analysis. 54th Annual Meeting A.S.S.H., September 2-4, 1999.
- 82. Morris, R.M.; Grecula, M.J.; Buford, W.L., Jr.; Patterson, R.M. Femoral surface strain before and after cementless stem implantation: A Computer Analysis of the Photoelastic Method, ASME, Big Sky, MT, June 16-20, 1999.
- 83. Nakamura, T.; Buford, W.L., Jr.; Ivey, F.M.; Fay, J.M.; Patterson, R.M. Moment arms of muscles at the knee during internal/external rotation for the normal knee and the ACL minus knee, American Society of Mechanical Engineers, Big Sky, MT, June 16-20, 1999.
- 84. Nakamura, K.; Patterson, R.M.; Viegas, S.F. Ligamentous and osseous variation of the midcarpal joint and its rotation to degenerative changes. 54thAnnual Meeting of the American Society for Surgery of the Hand, Boston, MA, September 2-4, 1999.
- 85. Patterson, R.M. Carpal kinematics during radial ulnar deviation. Bioengineering Division of the 1999 International Mechanical Engineering Congress and Exposition, Nashville, TN, November 11-16, 1999.
- 86. Nakamura, K.; DaSilva, M.F.; Patterson, R.M.; Viegas, S.F. Type 1 *vs.* Type II lunate morphology: Anatomy, X-ray, MRI and kinematics analysis. 54th Annual Meeting of the American Society for Surgery of the Hand, Boston, MA, September 2-4, 1999.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 87. Morris, R.M.; Grecula, M.J.; Buford, W.L., Jr.; Patterson, R.M. Femoral Surface Strain Before and After Cementless Stem Implantation: A Computer Analysis of the Photoelastic Method. ASME, Big Sky, MT, June 16-20, 1999.
- 88. Nakamura, T.; Buford, W.L., Jr.; Ivey, F.M.; Fay, J.M.; Patterson, R.M. Moment arms of muscles at the knee during internal/external rotation for the normal knee and the ACL minus knee. ASME, Big Sky, MT, June 16-20, 1999.
- 89. Patterson, R.M. Carpal kinematics during radial ulnar deviation. Bioengineering Division of the 1999 International Mechanical Engineering Congress and Exposition, Nashville, TN, November 11-16, 1999.
- 90. Buford, W.L., Jr.; Andersen, C.R.; Elder, K.W.; Pickard, J.M.; Patterson, R.M. Computer graphic simulation of the extremities (an application in Windows NT using OpenGL and Visual C++). Proceedings. 17th Annual Houston Conference on Biomedical Engineering Research, p. 116; 1999.
- 91. Buford, W.L., Jr.; Nakamura, T.; Patterson, R.M.; Ivey, F.M.; Fay, J.M. Moment arms of muscles at the knee during internal/external rotation for the normal knee and the ACL-minus knee. Proceedings. 17th Annual Houston Conference on Biomedical Engineering Research, p. 95; Houston, TX, 1999.
- 92. Morris, R.P.; Grecula, M.J.; Buford, W.L., Jr.; Patterson, R.M. Femoral Surface strain before and after cementless stem implantation: A Computer Analysis of the Photoelastic Method, Proceedings. 17th Annual Houston Conference on Biomedical Engineering Research, p. 96; Houston, TX, 1999.
- 93. Grecula, M.J.; Morris, R.M.; Patterson, R.M.; et al. Quantification of femoral surface strain by computer analysis of the photoelastic method. Proceedings. Houston Society for Engineering in Medicine and Biology (HSEMB), Houston, TX, February 10-11, 2000.
- 94. Buford, W.L., Jr.; Patterson, R.M.; et al. Analysis of torque-range-of-motion for the passive viscoelastic properties of the foot/Ankle Complex. Proceedings. H.S.E.M.B. Houston, TX, February 10-11, 2000.
- 95. Buford, W.L., Jr.; Patterson, R.M.; et al. Muscle-tendon control path models developed within a 3-D simulation of the lower extremity. Proceedings. H.S.E.M.B. Houston, TX, February 10-11, 2000.
- 96. Buford, W.L., Jr.; Patterson, R.M.; et al. Estimation of the moment balance at the knee. Proceedings. H.S.E.M.B. Houston, TX, February 10-11, 2000.
- 97. Marion, R.; Niebuhr, B.; Patterson, R. Teaching basic research skills using a worldwide platform. Association of Schools of Allied Health Professions, October 2000.
- 98. Nakamura, K.; Patterson, R.M.; Viegas, S.F. The carpal boss: An anatomic study. 15th International Wrist Investigators Workshop, Seattle, Washington, October 4, 2000.
- 99. Patterson, R.M.; et al. Carpal kinematics during wrist radio/ulnar deviation. 55th Annual Meeting of the ASSH, Seattle WA, October 5-7, 2000. (Poster)

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 100. Nakamura, K.; Viegas, S.F.; Patterson, R.M.; et al. Three dimensional kinematics: Type I vs. type II lunate. 55th Annual Meeting of the ASSH, Seattle, WA, October 5-7, 2000. (Poster)
- 101. Nakamura, K.; Viegas, S.F.; Patterson, R.M.; et al. The Ligament and Skeletal Anatomy of the 2nd Through 5th Carpometacarpal (CMC) Joints. 55th Annual Meeting of the ASSH, Seattle WA, October 5-7, 2000. (Poster)
- 102. Nakamura, K.; Viegas, S.F.; Patterson, R.M.; et al. the difference angle between triquetrum/hamate (t/h) motion and lunate/capitate (L/C) Motion of type I vs. type II lunate. 55th Annual Meeting of the ASSH, Seattle, WA, October 5-7, 2000. (Poster)
- 103. Nakamura, K.; Viegas, S.F.; Patterson, R.M.; et al. Three-dimensional (3-D) triquetral motion. 55th Annual Meeting of the ASSH, Seattle, WA, October 5-7, 2000. (Poster)
- 104. Patterson, R.M.; et al. Quantification of the Force generation potential and material properties of theraband tubing. American Society of Hand Therapists, Seattle, WA, October 6, 2000.
- 105. El-Shennawy, M.; Nakamura, K.; Patterson, R.M.; Viegas, S.F. Three dimensional kinematic (3-D) analysis of the normal motion of the 2nd through 5th CMC joints. The Annual International Congress of the E.O.A., November 13-16, 2000.
- 106. Buford, W.L., Jr.; Andersen, C.R.; Elder, K.W.; Patterson, R.M. Verification of spline-path models for a 3-D simulation of the extremities. The 19th Annual Houston Conference on Biomedical Engineering Research, HSEMB, Houston, TX, February 8-9, 2001.
- 107. Buford, W.L., Jr.; Hume, P.J.; Nakamura, T.; Charron K.M.; Trevino, S.G.; Brown, S.D.; Patterson, R.M. Comparison of the properties of the normal adult foot with the adult diabetic foot as determined using torque vs. range-of-motion curves. The Nineteenth Annual Houston Conf. on Biomedical Engineering Research, HSEMB, Houston, TX, February 8-9, 2001.
- 108. Buford, W.L., Jr.; Shah, M.; Andersen, C.R.; Elder, K.S.; Viegas, S.F. and. Patterson, R.M. Modeling and experimental verification of muscle-tendon paths for interactive, 3-dimensional computer simulation of the extremities. ASME, Proceedings. Summer Bioengineering Conference (BED), Snowbird, UT, 50:233-234; June 27-July 1, 2001.
- 109. Buford, W.L., Jr.; Shah, M.; Andersen, C.R.; Elder, K.S.; Patterson, R.M.; Ivey, F.M. and Viegas, S.F. Experimental verification of muscle-tendon path models for interactive, 3-D computer simulation of the extremities. Proceedings. VIII International Symposium on Computer Simulation in Biomechanics, Milan, Italy; pp. 43-47; July 4-6, 2001.
- 110. Moritomo, H.; Viegas, S.F.; Nakamura, K.; Elder, K.; Patterson, R.M.: The scaphotrapeziotrapezoid joint: An anatomic, radiographic and kinematic study. 8th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH), Istanbul, Turkey. June 9-13, 2001.
- 111. Buford, W.L., Jr.; Shah, M.; Andersen, C.R.; Elder, K.S.; Patterson, R.M.; Ivey, F.M.; Viegas, S.F. Experimental verification of muscle-tendon path models for interactive, 3-D

- Curriculum Vitae, Rita M. Patterson, Ph.D. computer simulation of the extremities. Proceedings. American Society of Biomechanics 25th Annual Conference; pp. 259-260; 2001.
- 112. Shah, M.; Buford, W.L., Jr.; Patterson, R.M.; Viegas, S.F.: EPL release adversely affects thumb function: A biomechanical study. 17th International Wrist Investigators Workshop, Baltimore, Maryland, October 3, 2001.
- 113. El-Shennawy, Patterson, R.M. and Viegas, S.F. Three dimensional kinematic (3D) analysis of the normal motion of 2nd through 5th CMC joints. 56th Annual Meeting of the American Society for Surgery of the Hand (ASSH), Baltimore, MD, October 4-6, 2001. (Poster)
- 114. Yoshida, R.; Viegas, S.F.; Patterson, R.M.; House, H. Motion and morphology of the thumb metacarpophalangeal joint. 56th Annual Meeting of the American Society for Surgery of the Hand, Baltimore, MD, October 4-6, 2001. (Poster).
- 115. Osada, D.; Patterson, R.M.; Viegas, S.F.; Shah M.A. Comparison of different distal radius fracture fixation plates: A biomechanical study. 56th Annual Meeting of the American Society for Surgery of the Hand (ASSH), Baltimore, M.D., October 4-6, 2001. (Poster)Morris, R.P.; Garges, K.J.; Mody, M; Muffoletto, A.J.; Patterson, R.M.; Yang, J.; Simmons, J.W. The affect of lordosis on lumbar spine stability. 10th Annual Symposium on Computational Methods in Orthopaedic Biomechanics, UT Southwestern Medical Center, Dallas, TX, February 9, 2002, (oral).
- 117. Trevino, S.G.; Buford, W.L., Jr.; Nakamura, T.; Wright A.J.; Patterson, R.M. Objective differentiation of the adult diabetic foot and the adult normal foot using torque range-of-motion device. American Orthopaedic Foot and Ankle Society Annual Meeting, Traverse City, MI, July 12-14, 2002.
- 118. Morris, R.P.; Garges, K.J.; Patterson, R.M.; Yang, J.; Buford, W.L., Jr.; Muffoletto, A.J.; Simmons, J.W. The affect of relative lordosis on dynamic torsional stability in the lumbar spine. The Second Joint Meeting of the IEEE Engineering in Medicine and Biology Society and the Biomedical Engineering Society, Houston, TX, October 23-26, 2002. (Poster)
- 119. Shah, M.; Buford, W.L., Jr.; Patterson, R.M.; Viegas, S.F. EPL transposition and EIP to EPL transfer adversely affect thumb function. 57th Annual Meeting of The American Society for Surgery of the Hand, October 3-5, 2002, Phoenix, AZ. (Poster)
- 120. Mitsuyasu, H.; Buford, W.L., Jr.; Patterson, R.M.; Viegas, S.F. Common extensor and flexor/pronator origin: A 3-D anatomical analysis of its origin. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Paper)
- 121. Yoshida, R.; Patterson, R.M.; Shah, M. and Viegas, S.F.: The anatomy and pathomechanics of the 4th and 5th carpometacarpal fracture/dislocations. the 18th International Wrist Investigators Workshop, Phoenix, AZ, October 02, 2002.
- 122. Mitsuyasu, H.; Connor, C.; Viegas, S.F.; Patterson, R.M. Three-dimensional quantitative analysis of MC bones: Comparison of CT, spatial digitizing, and direct measurement

- Curriculum Vitae, Rita M. Patterson, Ph.D. technique. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Poster)
- 123. Mitsuyasu, H.; Buford, W.L., Jr.; Patterson, R.M.; Viegas, S.F. Common extensor and flexor/pronator origin: A 3-D anatomical analysis of its origin. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Poster)
- 124. Mitsuyasu, H.; Shah, M.; Patterson, R.M.; Viegas, S.F. Role of the DIC ligament in dynamic and static SL instability. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Paper)
- 125. Mitsuyasu, H.; Shah, M.; Patterson, R.M.; Viegas, S.F. Kinematics of the triquetrum-hamate joint: A non-invasive in vivo three dimensional analysis using MRI. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Paper)
- 126. Mitsuyasu, H.; Shah, M.; Patterson, R.M.; Viegas, S.F. Kinematics of the triquetrum-hamate joint: A non-invasive in vivo three dimensional analysis. 57th Annual Meeting of The American Society for Surgery of the Hand, Phoenix, AZ, October 3-5, 2002. (Scientific Exhibit)
- 127. Nakamura, K.; Beppu, M.; Patterson, R.M.; Hanson, C.A.; Hume, P.J.; Viegas, S.F. Motion analysis in two dimensions of radial/ulnar deviation of type I vs. type II lunates. J. of Hand Surg. 25A:877-888; 2000. Abstract, Year Book of Hand Surgery. p. 184; 2002.
- 128. Moritomo, H.; Viegas, S.F.; Nakamura, K.; DaSilva, M. and Patterson, R.M. The Scaphotrapezio-trapezoidal joint. Part I: An anatomic and radiographic study. Journal of Hand Surgery; 25A:899-910; 2000. Abstract, Year Book of Hand Surgery. p. 10; 2002.
- 129. Moritomo, H.; Viegas, S.F.; Elder, K.; Nakamura, K.; DaSilva, M.; Patterson, R.M. The Scaphotrapezoidal joint. Part II: A kinematic study. J. of Hand Surg. 25A:911-920; 2000. Abstract Year Book of Hand Surgery. p. 12; 2002.
- 130. Garges, K.J.; Morris, R.P.; Yang, J.; Mody, M.G.; Buford, W.L., Jr.; Patterson, R.M.; The effect of lordosis on lumbar motion segment stability. Texas Orthopaedic Association Annual Meeting 2004 Austin, TX, May 13-15; 2003. (Oral, Mody)
- 131. Patterson, R.M.; Trevino, S.G.; Wright, A.J.; Nakamura, T.; Longo, T.; Buford, W.L., Jr. Foot/ankle kinematics: Comparative analysis of normal foot vs. flat foot deformity. 2003 Summer Bioengineering Conference, Sonesta Beach Resort, Key Biscayne, FL, June 25-29, 2003. (Paper)
- 132. Nagao, S.; Buford, W.L., Jr.; Shah, M.; Viegas, S.F.; Patterson, R.M. Three dimensional description of ligamentous attachments around the lunate. 58th Annual Meeting of the American Society For Surgery of the Hand, September 18-20, 2003.
- 133. Garges, .K.J.; Morris, R.P.; Yang, J.; Mody, M.J.; Buford, W.L., Jr.; Patterson, R.M. The effect of lordosis on lumbar motion segment stability. Texas Orthopaedic Association Annual Meeting, Irving, TX, May 13-15, 2005. (Talk)

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 134. Stegink Jansen, C.W.; Patterson, R.M.; Goldie Staines, K. Management of wrist pain. 17th Annual Congress. Hand and Wrist fractures. Hong Kong Society for Surgery of the Hand. Hong Kong, May 2004.
- 135. Sangole, A.P.; Nakamura, T.; Patterson, R.M.; Abreu, B.C.; Ottenbacher, K.J. Cluster analysis to identify critical motor function outcomes. American Congress of Rehabilitation Meeting, Jacksonville, FL. September 10-12, 2004.
- 136. Koh, S.; Buford, W.L., Jr.; Anderson, C.A.; Patterson, R.M.; Viegas, S.F. Understanding intrinsic-extrinsic muscle function through interactive 3-D kinematic simulation, 59th Annual Meeting of the American Society for Surgery of the Hand, New York City, NY, September 9-11, 2004.
- 137. Buford, W.L., Jr.; Patterson, R.M.; Gould, L.J.; Jansen, C.W. Modeling length increase of the pectoralis major muscle to provide precautions for patients after mastectomy and breast reconstruction. Joint Annual Meeting of the American Society for Surgery of the Hand and the American Society of Hand Therapists, September 22-24, 2005.
- 138. Morris, R.P.; Koh, S.; Patterson, R.M.; Buford, W.L., Jr.; Viegas, S.F. Biomechanical comparison of different distal radius fracture volar fixation plates. Proceedings of the ASME 2005 Summer Bioengineering Conference, June 22-26, 2005. (Poster/Paper)
- 139. Morris, R.P.; Garges, K.J.; Yang, J.; Stahl, D.L.; Buford, W.L., Jr.; Patterson, R.M.; Shucheng Rao, S.C. In vitro biomechanical analysis of the IVBF dual-blade plate: An Anterior spinal fixation device. Proceedings of the ASME 2005 Summer Bioengineering Conference, June 22-26, 2005. (Paper)
- 140. Nakamura, T.; Huddleston, N.; Buford, W.L., Jr.; Abreu, B.C.; Patterson, R.M. Reaching kinematics during functional movement in individuals with acquired brain injury. Proceedings of the ASME 2005 Summer Bioengineering Conference, June 22-26, 2005. (Poster/Paper)
- 141. Koh, S.; Buford, W.L., Jr.; Anderson, C.A.; Patterson, R.M.; Viegas, S.F. Intrinsic muscle contribution to the metacarpophalangeal joint moment of the middle, ring, and little fingers. Adrian E. Flatt Residents and Fellows Conference, Henry B. Gonzalez Convention Center, San Antonio, TX, September 21, 2005. (Poster)
- 142. Koh, S.; Buford, W.L., Jr.; Anderson, C.A.; Patterson, R.M.; Viegas, S.F. Moment arm analysis of rheumatoid arthritis simulated finger model with metacarpophalangeal joint subluxations. Joint Annual Meeting of the American Society for Surgery of the Hand and the American Society of Hand Therapists, Henry B. Gonzalez Convention Center, San Antonio, TX, September 22-24, 2005. (Poster)
- 143. Koh, S.; Buford, W.L.; Patterson, R.M.; Viegas, S.F. Brachioradialis anatomy revisitedin relation to distal radius fracture patterns and forearm compartment anatomy. Joint Annual Meeting of the American Society for Surgery of the Hand and the American Society of Hand Therapists, Henry B. Gonzalez Convention Center, San Antonio, TX, September 22-24, 2005. (Poster)

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 144. Jansen, C.; Buford, W.L., Jr.; Patterson, R.M.; Gould, L.J. A model of length increases of the pectoralis major muscle to provide rehabilitation precautions for patients after mastectomy, Shanghai, China, Proceedings of the 27th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC05) September, 01-04, 2005.
- 145. Sangole, A. P.; Abreu, B.C.; Buford, W.L., Patterson, R.M.; Viegas, S.F.; Ottenbacher, K.J. Patterns of hand motor dysfunction after brain injury. Joint Meeting of the American and International Societies of Biomechanics, Cleveland, OH, July 31-August 5, 2005. (poster).
- 146. Nanno, M.; Patterson, R.M.; Andersen, C.; Viegas, S.F. Three dimensional analysis of ligamentous attachment of the carpometacarpal joints, International Wrist Investigator's Workshop, San Antonio, TX, September 21, 2005.
- 147. Stegink Jansen, C.W.; Viegas, S.F.; Patterson, R.M.; Netscher, D.; Goldie Staines, K.; A scale to profile carpal tunnel syndrome severity symptoms: the CTS3. ASSH and ASHT, San Antonio, TX, September 22-24, 2005.
- 148. Nanno, M.; Viegas, S.F.; Buford, W.L., Jr.; Patterson, R.M.; Morris, R.P.; Andersen, C.A. Three-dimensional analysis of ligamentous attachments of the carpometacarpal joints. Scientific Exhibit at the 61st Annual Meeting of the American Society for Surgery of the Hand, Washington, DC, September 07-09, 2006.
- 149. Patterson, R.M.; Williams, L.; Anderson, C.R.; Koh, S.; and Viegas, S.F. Carpal kinematics during active and passive motion of the wrist. The 24th Annual Meeting of the Houston Society for Engineering in Medicine and Biology, Houston, TX, February 08-09, 2007.
- 150. Burns, S.T.; Viegas, S.F.; Patterson, R.M.; Morris, R.P. Yazaki, N. Variability in human capitate morphology in the wrist. Texas orthopaedic Association Annual Meeting, Austin, TX, May 11-13, 2007.
- 151. Vallurupalli, S.; Panchbhavi; V., Patterson, R.M.; Morris R.P. The use of calcium sulfate calcium phosphate (composite graft) to augment screw purchase in osteoporotic ankles. Texas Orthopaedic Association Ann. Mtg., Austin, TX, May 11-13, 2007.
- 152. Patterson, R.M.; Abreu, B.; Viegas, S.F.; Buford, W.L., Jr.; Ottenbacher, K.; Andersen, C. Hand Grasping Kinematics. ASME 2007 Summer Bioengineering Conference, Keystone, CO, June 20-24, 2007.
- 153. Patterson, R.M.; Buford, W.L., Jr.; Viegas, S.F.; Andersen, C. Resultant carpal kinematics with respect to muscle force application. ASME 2007 Summer Bioengineering Conference, Keystone, CO, June 20-24, 2007.
- 154. Buford, W.L., Jr.; Loveland, D.; Koh, S.; Patterson, R.M.; Viegas, S.F. Moment Arms of the Intrinsic Muscles at the PIP Joint of the Middle Finger are Independent of the position of the MCP Joint. ASME 2007 Summer Bioengineering Conference, Keystone, CO, June 20-24, 2007.
- 155. Natividad, T.; Dial, J. B.; Nash, M.; Brunson, M.; Buford, W. L., Jr.; Garges, K.;

- Curriculum Vitae, Rita M. Patterson, Ph.D.

 Patterson, R.M. A comparative analysis of extrinsic abdominal muscle activity during exercise. Western Orthopaedic Association's Annual Meeting, San Diego, CA, July 18-21, 2007. Poster
- 156. Yazaki, N.; Patterson, R.M.; Burns, S.T.; Morris, R.P.; Andersen, C.R.; Viegas, S.F. Variations of capitate morphology in the human wrist. 62nd Annual Meeting of the American Society for Surgery of the Hand, Seattle, WA, September 27-29, 2007. Poster and Exhibit.
- 157. Natividad, T.; Dial, J. B.; Nash, M.; Brunson, M.; Buford, W. L., Jr.; Garges, K.; Patterson, R.M. A comparative analysis of extrinsic abdominal muscle activity during exercise. American Academy of Orthopaedic Surgery, San Diego, CA, March 2008. Podium.
- 158. Crow WT, King HH, Giulian V, Patterson RM. Measuring inherent cranial bone motion in humans using MRI. Presented at International Conference on Advances in Osteopathic Research (ICAOR), Bradenton, FL. September 2008.
- Lopez, D., King, H., Knebl, J., Kosmopolous, V., Collins, D. & Patterson, R.M. Effect of osteopathic manipulative treatment on protocol on balance in the elderly population. RAD (UNTHSC Research Appreciation day) 2010.
- 160. Patterson, R.M., Yoshimura, E., Durham, S., Kondraske, G., Kumar, S. & Chesky, K. A Measurement Tool to Assess Hand Kinematics and Kinetics in Piano Players. RAD (UNTHSC Research Appreciation Day) 2010.
- 161. Cromeens, Barrett P., Cara Fisher, Travis Motley, Sumihiro Suzuki, Fenghsiu Su, Rita Patterson, Harold J. Sheedlo, and Rustin E. Reeves, Ligament and articular surface anatomic variability in the hindfoot., American Academy of Clinical Anatomists (AACA), Honolulu, Hi, July 19-24, 2010.
- Lopez, D., King, H., Knebl, J., Kosmopolous, V., Collins, D. & Patterson, R.M. Effect of osteopathic manipulative treatment protocol on balance in the elderly, ASME 2011 Summer Bioengineering Conference, Farmington, PA, June 22-25, 2011 (Poster).
- 163. Patterson, R.M., Yoshimura, E., Durham, S., Kondraske, G., Kumar, S. & Chesky, K. A Measurement Tool to Assess Hand Kinematics and Kinetics in Piano Players, ASME 2011 Summer Bioengineering Conference, Farmington, PA, June 22-25, 2011.
- 164. Lopez, D., King, H., Knebl, J., Kosmopolous, V., Collins, D. & Patterson, R.M., The Impact of OMT on Balance and Equilibrium, 2011 AOA Research Conference, October 30 – November 1, 2011, Orlando, FL.
- 165. Patterson, R.M., Longnecker, R., Collins, D., Knebl, J., Bugnariu, N. Effect of Age on Performance of Tasks with Spatial Conflict, ASME 2012 Summer Bioengineering Conference, Fajardo, Puerto Rico, June 20-23, 2012.
- Patterson, R.M., Hefzy, M.S., Weisman, J., 2011 Results from the Summit on Rehabilitation Engineering, ASME 2012 Summer Bioengineering Conference, Fajardo, Puerto Rico, June 20-23, 2012.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 167. Bugnariu N., Patterson R., Knebl J., The impact of individual perceptual style on ability to resolve sensory conflicts and maintain balance in healthy young and older adults, ISPGR & Gait and Mental Function World Joint Congress Proceedings, Trondheim 2012.
- 168. Bugnariu N., Marhao, Longnecker, R., Knebl J., and Patterson, RM., Age-related changes in performance of tasks requiring executive attention, Society for Neuroscience, New Orleans, LA, Oct 13-17, 2012.
- 169. Patterson, R.M., Longnecker, R., Young, C., Rockenbach, K., and Connors, M., Evaluation of Shoulder Stiffness, ASME 2013 Summer Bioengineering Conference, Sun River, OR, June 26-229, 2013.
- 170. Patterson, R.R., Longnecker, R., Kneble, J., and Bugnariu, N., Effect of Age on Performance of Task with Spatial Conflict, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013.
- 171. Bugnariu, H., Young, C., Rockenbach, K., Patterson, R.M., Garver, C., Beltran, M., Ranatunga, I., Torres, N.A., and Popa, D.O., Human-robot interaction as a tool to evaluate and quantify motor imitation behavior in children with Autism Spectrum Disorders, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013.
- 172. Bugnariu, H., Garver, C., de Weerd, C., van Loon, E., Young, C., Longnecker, R., and Patterson, R.M., Motor function in children with Autism Spectrum Disorders, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013.
- 173. Bugnariu, H., Patterson, R.M., Garver, C., Torres, N.A., and Popa, D.O., Human-Robot Upper Body Gesture Imitation Analysis for Autism Spectrum Disorders, ICSR2013, International Conference on Social Robotics, Bristol, UK, October 27-29, 2013.
- 174. Stanford, J., Young, C., Popa, D., Bugnariu, N., and Patterson, R., Grip Pressure Measurements during Activities of Daily Life, Proc. Society of Photo-Optical Instrumentation Engineers (SPIE) 9116, Next-Generation Robots and Systems, 91160H (June 5, 2014); doi:10.1117/12.2060167.
- 175. Stanford, J., Patterson, R.M., and Popa, D., Surface EMG and Intra-socketForce Measurement to Control a Prosthetic Device, Proc. SPIE 9494, Next-Generation Robotics II; and Machine Intelligence and Bio-inspired Computation: Theory and Applications IX, 94940C (June 20, 2015); doi:10.1117/12.2177399.
- 176. Patterson, R.M., Stanford, J., Young, C., Popa, D., and Bugnariu, N., Functional Task Analysis for Human-Machine Performance Limits, BMES, Biomedical Engineering Society, San Antonio, TX, October 22-25, 2014. Awarded the Reviewer's choice award (top 5% of posters).
- 177. Stanford, J., Young, C., Bugnariu, N., Patterson, R.M., and Popa. D., Grip Pressure and Joint Angle Measurement during Activities of Daily Life, Applied Human Factors and Ergonomics (AHFE) 2015 International Conference, Las Vegas, Nevada, July 26-30,

- Curriculum Vitae, Rita M. Patterson, Ph.D. 2015.
- 178. Patterson, RM., Shin, J., Das, A., Longnecker, R., Rockenbach, K., Kominski, C., Collins, V., and Mason, D., Use of a Torque Range of Motion Device to Teach Evaluation of Joint Dysfunction, Summer Biomechanics, Bioengineering, and Biotransport Conference, Snowbird, Utah, June 16-20, 2015.
- 179. Bugnariu, N; Stevens G; Ginzel E; Patterson R; Functional performance and quality of life in patients with transtibial amputations is influenced by type of prosthesis; Physiotherapy 101:e184-e185 · April 2015.
- 180. Patterson, R.M., Bugnariu, N., Niacaris, T., Haghshenas-Jaryani, M., Carrigan, W., Nothnagle, C., and Wijesundara, M.B.J., Kinematic Evaluation of a Wearable Soft Robotic System for Continuous Passive Motion in Post Stroke Hand Rehabilitation, Summer Biomechanics, Bioengineering, and Biotransport Conference, National Harbor, MD, June 29 July 2, 2016.
- 181. Miller, HM, Caçola, P, Sherrod, G, Patterson, RM, and Bugnariu, N, Postrual control relates to accuracy of eye movement in Autism Spectrum Disorder and Developmental Coordination Disorder, International Meeting for Autism Research (IMFAR), May 11-14, 2016, Baltimore, MA.
- 182. Crocker, K., Miller, H., Patterson, R., & Bugnariu, N. (2016, April). Visuomotor integration in atypical development. Poster presented at the annual University of North Texas Health Science Center Research Appreciation Day, Fort Worth, TX. received UTARI Poster Presentation Award from the University of Texas at Arlington Research Institute.
- 183. Miller, H. L., Caçola, P., Sherrod, G., Patterson, R., & Bugnariu, N. (2016, April). Visuomotor integration differences in individuals with autism spectrum disorder and developmental coordination disorder during static and dynamic postural control tasks. Poster presented at the Association for Clinical and Translational Science 2016 Annual Meeting, Washington, DC.
- 184. He C, Patterson R, Niacaris T, Haghshenas-Jaryani M, Wijesundara M, Bugnariu N. Development and validation of a REHAB glove device for post-stroke hand rehabilitation, Poster presented at RAD 2016
- 185. Peters R., Patterson R, Steven G, Ginzel E, Bugnariu N. Functional performance and quality of life in transtibial amputees is influenced by the type of prosthesis. Poster presented at RAD 2016
- 186. J. Sanford, R. Patterson, and D. Popa, "Surface EMG and Intra-socket Force Measurement to Control a Prosthetic Device," Proceedings of SPIE Vol. 9494, 94940I, Baltimore, Maryland, USA, 2015

- 187. J. Sanford, C. Young, D. Popa, N. Bugnariu, and R. Patterson, "Grip pressure measurements during activities of daily life," Proc. SPIE 9116, Next-Generation Robots and Systems, 91160H, Baltimore, Maryland, USA, 2014.
- 188. M. Haghshenas-Jaryani, W. Carrigan, R. M. Patterson, N. Bugnariu, T. Niacaris, and M. B. J. Wijesundara, "Kinematic study of a soft-and-rigid robotic finger for rehabilitation and assistive applications," ASME. 40th Mechanisms and Robotics Conference, DETC2016-59921, August, 2016, Charlotte, NC.
- 189. Fox, J., Kowalewski, V., Bugnariu, N. Patterson, R., Thibodeau, L., The Impact of hearing loss on older adult's postural control and gait function, American Physical Therapy Association's Combined Sections Meeting, American Physical Therapy Association's Combined Sections Meeting, San Antonio, TX February 15-18, 2017.
- 190. Kinzler, B., Fox, J., Kowalewski, V., Bugnariu, N., Kowalewski, V., Thibodeau, L., Patterson, R., Contribution of auditory inputs to balance in young and older adults, American Physical Therapy Association's Combined Sections Meeting, San Antonio, TX February 15-18, 2017.

Other Publications:

- 1. Editorial, Engineer-mother-student offers advice for women professionals. U.T.M.B.; Catalyst 1(3), May 1994.
- 2. Viegas, S.F.; Patterson, R.M. Densitometer Designed pressure sensitive film. letter/comment, J. Hand Surg., 18(4):758; July 1993.
- 3. Patterson, R.M. Letter to The Looking Glass. I.E.E.E. Engineering in Medicine and Biology Magazine, September 1988.

PRESENTATIONS/EXHIBITS:

International:

- 1. Simulated Scaphoid Proximal Pole Fracture: A Biomechanical Study. The 45th Annual Meeting of the American Society for Surgery of the Hand, Toronto, Ontario, Canada, September 24-27, 1990.
- 2. The Efficacy of Dynamic External Fixation for Treatment of Distal Radius Fractures Using 3D Kinematic Analysis. The 17th Annual International Conference of The I.E.E. Engineering in Medicine and Biology Society, September 20-23, 1995, Montreal, Canada.
- 3. Normal Wrist Kinematics. 1997 International Mechanical Engineering Congress and Exposition, Dallas, TX, November 16-21, 1997.
- 4. Comparison of Knee Flexion Angle Using Two Measurement Techniques. Fifth International Symposium on the 3-D Analysis of Human Movement, Chattanooga, TN, July 2-5, 1998.
- 5. Comparison of Knee Flexion Angle Using Two Measurement Techniques. ASME; The 1998 Intl. Mechanical Engineering Congress and Exposition, Anaheim, CA, November 15-20, 1998. (poster)

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 6. Carpal Kinematics During Radial/Ulnar Deviation. 16th International Wrist investigators' Workshop, Seattle, WA, October 4, 2000.
- 7. Development of a Unique Web Based Course in Biomechanics. Orthopaedic Research Society, Dallas, TX February 10-13, 2002.
- 8. Foot/Ankle Kinematics: Comparative Analysis of Normal Foot Vs. Flat Foot Deformity, 2003 Summer Bioengineering Conference, Sonesta Beach Resort, Key Biscayne, FL, June 25-June 29, 2003. (Paper)
- 9. Reaching Kinematics During Functional Movement in Individuals With Acquired Brain Injury. ASME 2005 Summer Bioengineering Conference, Vail, CO, June 22-26, 2005. (Paper)
- Patterson, R.M.; Abreu, B.; Viegas, S.F.; Buford, W.L., Jr.; Ottenbacher, K.; Andersen, C. Hand Grasping Kinematics. ASME 2007 Summer Bioengineering Conference, Keystone, CO, June 20-24, 2007.
- 11. Patterson, R.M.; Buford, W.L., Jr.; Viegas, S.F.; Andersen, C. Resultant carpal kinematics with respect to muscle force application. ASME 2007 Summer Bioengineering Conference, Keystone, CO, June 20-24, 2007.
- 12. Patterson, R.M., Yazaki, N., Andersen, C.R., Scott, N.H., and Viegas, S.F., Changes in Ligament Strain During Flexion/Extension, 24th International Wrist Investigator's Workshop, Chicago, IL, Sept. 17, 2008.
- 13. Patterson, R.M., Yazaki, N., Andersen, C.R., Scott, N.H., and Viegas, S.F., Prediction of Ligament Length During Wrist Flexion and Extension", AOA Research Conference, Las Vegas, NV, October 26-28, 2008 (Presentation and Poster).
- 14. Patterson, R.M., Longnecker, R., Collins, D., Knebl, J., Bugnariu, N. Effect of Age on Performance of Tasks with Spatial Conflict, ASME 2012 Summer Bioengineering Conference, Fajardo, Puerto Rico, June 20-23, 2012.
- 15. Patterson, R.M., Hefzy, M.S., Weisman, J., 2011 Results from the Summit on Rehabilitation Engineering, ASME 2012 Summer Bioengineering Conference, Fajardo, Puerto Rico, June 20-23, 2012.
- 16. Patterson, R.M., Longnecker, R., Young, C., Rockenbach, K., and Connors, M., Evaluation of Shoulder Stiffness, ASME 2013 Summer Bioengineering Conference, Sun River, OR, June 26-229, 2013.
- 17. Patterson, R.R., Longnecker, R., Kneble, J., and Bugnariu, N., Effect of Age on Performance of Task with Spatial Conflict, International Conference on Virtual Rehabilitation, Philadelphia, PA, August 26-29, 2013.
- 18. Patterson, RM., Singhal, K., Young, C., and Bugnariu, N., Comparison of Upper Extremity Motion in a Virtual and Real World Environment, 7th World Congress of Biomechanics, July 6-11, 2014.
- Patterson, RM., Shin, J., Das, A., Longnecker, R., Rockenbach, K., Kominski, C., Collins, V., and Mason, D., Use of a Torque Range of Motion Device to Teach Evaluation of Joint Dysfunction, Summer Biomechancis, Bioengneering, and Biotransport Conference, Snobird, Utah, June 16-20, 2015.
- 20. Patterson, R.M, Bugnariu, N., Niacaris, T., Hagshenas-Jaryani, M., Carrigan, W., Nothnagle, C., and Wijesundara, M., Kinematic Evaluation of a Wearable Soft Robotic System for Continuous Passive Motion in Post Stroke Hand Rehabilitation, Summer

- Curriculum Vitae, Rita M. Patterson, Ph.D. Biomechanics, Bioengineering and Biotransport Conference, National Harbor, MD, June 29-July 2.
- 21. Patterson, RM., Use of Motion Capture and Virtual Reality to Provide Efficacy for Positive Rehabilitation Outcomes, IEEE CASE, 12th Conference on Automation Science and Engineering, half day Workshop Titled: Automation in Assistive Healthcare, August 21 24, 2016, Fort Worth, TX.

National:

- 1. Effect of Muscle Biopsy on Leg Strength in Children: A Retrospective and Prospective Study. The Child Neurology Society Convention in Boston, MA, October 1987. (poster)
- 2. Evaluation of Biomechanical Efficacy of Limited Fusions for Treatment of Scapholunate Dissociation. The Wrist Investigator's Workshop, Tampa, FL, November 2, 1988.
- 3. The Evaluation of the Biomechanical Efficacy of Limited Carpal Fusions for the Treatment of Scapho-Lunate Dissociation. The Southern Biomedical Engineering Conference in Richmond, VA, October 16, 1989.
- 4. Load Transfer Characteristics of the Midcarpal Joint. and Measurement of Carpal Bone Geometry by Computer Analysis of 3-D CT Images. The 46th Annual Meeting of the American Soc. for Surg. of the Hand in Orlando, FL, October 2-5, 1991. (poster)
- 5. 3D Reconstruction of CT Wrist Images: Its Accuracy and Potential Applications. The Wrist Investigators Workshop in Asheville, NC, September 9, 1992.
- 6. Towards Real-Time, Computer Graphics Simulation of the Human Musculoskeletal System. The International Simulation Technology Conference (SimTEC 92 & WNN '92), South Shore Harbor/Johnson Space Center, Clear Lake, TX, November 4-6, 1992.
- 7. A New Approach to Wrist Imaging and its Use in Diagnosing Carpal Instabilities. The 15th Annual International Conference of the I.E.E.E. Engineering in Medicine and Biology Society, San Diego, CA, October 28-31, 1993.
- 8. Normative Carpal Bone Anatomy Measured by Computer Analysis of 3 Dimensional CT Images. The 11th Annual Meeting of the American Association of Clinical Anatomists, U.T.M.B.; Galveston, TX, June 14-17, 1994.
- 9. A New Approach to Wrist Imaging and Its Use in Diagnosing Carpal Instabilities. The Society of Engineering Science 31st Annual Technical Meeting, Texas A&M University, College Station, TX, October 10-12, 1994.
- 10. Normative Carpal Bone Anatomy Measured by Computer Analysis of 3D Reconstructions of CT Images. The 49th Annual Meeting of the American Society of Surgery of the Hand, October 26-29, 1994. (poster)
- 11. The Efficacy of Dynamic External Fixation for Treatment of Distal Radius Fractures Using 3D Kinematic Analysis. The International Hand and Wrist Biomechanics Symposium, San Francisco, CA, September 10-11, 1995.
- 12. Wrist Kinematics. The 12th International Wrist Investigators Workshop, Nashville, TN, September 29, 1996.
- 13. Analysis on the Effect of Normal Wrist Kinematics of Various Dynamic External Fixators. The 1996 International Mechanical Engineering Congress and Exposition, Atlanta, GA, November 17-22, 1996. (poster)

- 14. Wrist Kinematics. 1997 ASME Summer Bioengineering Conference, Sun River, OR, June 11-15, 1997.
- 15. Normal Wrist Kinematics. A.A.O.S.; New Orleans, LA, March 19-23, 1998, poster.
- 16. Joint Kinematics. The 1998 Society of Women Engineers National Convention and Student Conference, Houston, TX, June 16-20, 1998. (oral & poster)
- 17. Joint Kinematics. 1998 Forum Club, Galveston, TX.
- 18. Ligamentous and Osseous Variation of the Midcarpal Joint and Its Relation to Degenerative Changes. The 54th Annual Meeting of the American Society for Surgery of the Hand, Boston, MA, September 2-4, 1999. (Poster)
- 19. Carpal Kinematics During Wrist Radio/Ulnar Deviation. 55th Annual Meeting of the ASSH in Seattle, WA, October 5-7, 2000. (Poster)

Regional/Local:

- 1. The Evaluation of the Biomechanical Efficacy of Limited Carpal Fusions for the Treatment of Scapho-Lunate Dissociation. 7th Annual Conference of Biomedical Engineering Research, Houston, TX, February 17-18, 1989.
- 2. Forearm Load Distribution. 9th Annual Conference on Biomedical Engineering Research, Houston, TX, February 07-08, 1991. (poster)
- 3. A New Approach To Wrist Imaging and Its Use in Diagnosing Carpal Instabilities. The 11th Annual HSEMB Conference, Houston, TX, February 11-12, 1993.
- 4. The Efficacy of Dynamic External Fixation for Treatment of Distal Radius Fractures Using 3D Kinematic Analysis. The 14th Annual HSEMB Conference, Houston, TX, February 8-9, 1994.
- 5. Normative Carpal Bone Anatomy Measured by Computer Analysis of 3D Reconstructions of CT Images. The 13th Annual Conference on Biomedical Engineering Research, Houston, TX, Fe Patterson, R.M.; et al. Carpal Kinematics During Wrist Radio/Ulnar Deviation. 55th Annual Meeting of the ASSH in Seattle, WA, October 5-7, 2000. (Poster)
- 6. Normative Carpal Bone Anatomy Measured by Computer Analysis of 3D Reconstructions of CT Images. The Texas Mineralized Tissue Society Conference, Galveston, TX, April 28-30, 1995.
- 7. The Efficacy of Dynamic External Fixation for Treatment of Distal Radius Fractures Using 3D Kinematic Analysis. The Mid-America Orthopaedic Association, 14th Annual Meeting, April 24-28, 1996.
- 8. Wrist Kinematics. 1997 15th Annual Houston Conference on Biomedical Research, and H.S.E.M.B.; Houston, TX, February 13-14, 1997.
- 9. Comparison of Knee Flexion Angle Using Two Measurement Techniques. H.S.E.M.B.; Houston, TX, April 2-3, 1998.
- 10. The Dorsal Ligaments of the Wrist: Anatomy Mechanical Properties and Function H.S.E.M.B.; Houston, TX February 11-12, 1999.
- 11. Femoral Surface Strain Before and After Cementless Stem Implantation: A Computer Analysis of the Photoelastic Method, Biomedical Engineering and Research, U.T.M.B.; Galveston, TX, June 02, 1999.
- 12. Interactive Simulation of Extremity Kinematics. Biomedical Engineering and Research, U.T.M.B.; Galveston, TX, June 02, 1999.

- Curriculum Vitae, Rita M. Patterson, Ph.D.
- 13. Quantification of the Force Generation Potential and Material Properties of Thera-Band Tubing. 18th Annual Houston Conference on Biomedical Engineering Research, H.S.E.M.B. Houston, TX, February 10-11, 2000.
- 14. Analysis of Joint Kinematics in Orthopaedics. University of Houston Bioengineering Seminar, Houston, TX, October 12, 2001.
- 15. Foot/Ankle Kinematics: Comparative Analysis of Normal Foot vs. Flat Foot Deformity. 20th Annual Houston Conference on Biomedical Engineering Research, Houston, TX, April 3-4, 2003.
- 16. Reaching Kinematics During Functional Movement in Individuals with Acquired Brain Injury, 22nd Annual Houston Conference on Biomedical Engineering Research, Houston, TX, February 10-11, 2005.
- 17. Patterson, R.M.; Sangole, A. Abreu, B.; Buford. W.L., Jr.; Viegas, S.F.; Ottenbacher, K.J. Hand grasping kinematics; The 23rd Annual Houston Conf. on Biomedical Engineering Research, HSEMB, Houston, TX, February 9-10 2006.
- 18. Patterson, R.M.; Williams, L.; Anderson, C.R.; Koh, S.; and Viegas, S.F. Carpal kinematics during active and passive motion of the wrist. The 24th Annual Meeting of the Houston Society for Engineering in Medicine and Biology, Houston, TX, February 08-09, 2007.
- 19. Patterson, R.M.; Yazaki, Y.; Andersen, C.R.; Scott, N.H.; and Viegas, S.F. Prediction of Ligament Strain in the Wrist, The 25th Annual Meeting of the Houston Society for Engineering in Medicine and Biology, Houston, TX, February 07-08, 2008.
- 20. Patterson, R.M.; Yazaki, Y.; Andersen, C.R.; Scott, N.H.; and Viegas, S.F. Prediction of Ligament Strain in the Wrist, RAD, UNTHSC Research Appreciation Day, March 28, 2008, Fort Worth, TX.
- Lopez, D., King, H., Knebl, J., Kosmopolous, V., Collins, D. & Patterson, R.M. Effect of
 osteopathic manipulative treatment on protocol on balance in the elderly population. RAD
 (UNTHSC Research Appreciation day) 2010.
- 22. Patterson, R.M., Yoshimura, E., Durham, S., Kondraske, G., Kumar, S. & Chesky, K. A Measurement Tool to Assess Hand Kinematics and Kinetics in Piano Players, RAD (UNTHSC Research Appreciation Day), 2010.
- 23. McCain, J., Longnecker, R., Bugnariu, N., Patterson, R.M., Effect of age on performance of tasks with spatial conflict, RAD, (UNTHSC Research Appreciation Day), 2012.
- 24. Cummings, D., Longnecker, R., Bugnariu, N., Patterson, R.M., Effect of age on performance of tasks with spatial conflict, RAD, (UNTHSC Research Appreciation Day), 2012.
- 25. James, S., Longnecker, R., Bugnariu, N., Patterson, R.M., Effect of age on performance of tasks with spatial conflict, RAD, (UNTHSC Research Appreciation Day), 2012.
- 26. Bens, S., Mason, D., Bugnariu, N., Longnecker, R., Carr, C., Patterson, R. Osteopathic Management of Leg Length Inequality with Heel Lift Therapy: Analysis of Altered Gait Kinetics & Kinematics. RAD, (UNTHSC Research Appreciation Day), April 12, 2013.
- 27. Strot, S., Hall, J.A., Clearfield, D.A., and Patterson, R.M., Case Report: Enhancing Ankle Functionality Status-Post Acute Inversion Injury Utilizing Osteopathic Manipulative Treatment ,RAD, (UNTHSC Research Appreciation Day), April 12, 2013.

- 28. Young, C., Sanford, J., Popa, D., Bugnariu, N., and Patterson, RM., Maximum velocity of a Hand Opening a Door, South Central American Society of Biomechanics, 2014.
- 29. Patel, A., Patterson, R.M., and Mason, D., Osteopathic Manipulative Treatment in Hispanic Patients: A Retrospective Chart Study, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 30. Hidrogo, J., Stevens, G., Patterson, RM, and Bugnariu, N, Functional Assessment of Balance and Gait in Transtibial Amputees using K2 VS. K3 Prosthetic Feet, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 31. Rose, G., Nordon-Craft, A., Jaffari, R., Patterson, RM, and Bugnariu, N., Ischemia-Induced Reduction of Somatosensory Input Decreases Balance; Added Vibratory Noise Partially Restores Function, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 32. Juarez, J.K., Young, C., Bugnariu, N., and Patterson, RM., Analysis of Approach and Motion Velocities in Dominant Hands While Performing Daily Activities, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 33. Kelly, S.R., Bugnariu, N., Patterson, RM, and Stevens, G., Quality of Life Assessment in Transtibial Amputees using K2 vs K3 Prostetic Feet, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 34. Purcell, M., and Patterson, RM., Range of Motion Device for Evaluating Somatic Dysfunction, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 35. Behan, F., Roozbeh, J., Patterson, RM., and Bugnariu, N., Effectiveness of Balance Training with Virtual Reality and Vibrotactile Device in Diabetic Patients, RAD (UNTHSC Research Appreciation Day), April 17, 2015.
- 36. Le, D., and Patterson, RM, "Development of a Visualization Tool to Understand Gait" RAD (UNTHSC Research Appreciation Day), April 15, 2016.
- 37. Kowalewski, V., Thibodeau, L., Patterson, R.M., and Bugnariu, N., The Effects of Hearing Loss on Postural Control in Older Adults", RAD (UNTHSC Research Appreciation Day), April 15, 2016, received TCOM: 2nd Place Student Research Award.
- 38. Patterson, RM, "Teaching Evaluation of Shoulder Stiffness" Innovations in Teaching with Technology seminar, UNTHSC, May 10, 2016.
- 39. Sherrod, G.M., Miller, H.L., Caçola, P.M., Bugnariu, N.L., Preliminary evidence of a relationship between quantitative measures of postural stability and clinical movement tests in Developmental Coordination Disorder, UNTHSC Research Appreciation Day, April 15, 2016.
- 40. Fox, J., Kowalewski, V., Thibodean, L., Patterson, RM., and Bugnariu, N., The impact of hearing loss on older adult's postural control and gait function, UNTHSC Research Appreciation Day, April 7, 2017.

41.

Continuing Education

Courses attended:

1. The Wrist Biomechanics Workshop in Rochester MN, October 7, 1990.

- 2. Hand and Upper Extremity Course, G.W.N. Eggers 10th Annual Orthopaedic Lectureship, Galveston, TX, April 23-25, 1992.
- 3. The N.A.T.O. Advanced Research Workshop in Advances in the Biomechanics of the Hand and Wrist in Brussels, BELGIUM, May 21-23, 1992.
- 4. Algor Formal training first week, Finite Element Analysis, July 1992.
- 5. The 5th International Congress of Hand Surgery Meeting of the International Federation of Societies for Surgery of the Hand in Paris, France, May 25-28, 1992.
- 6. A.S.S.H.; Distal Radioulnar Joint course in Asheville, NC, September 10-12, 1992.
- 7. Pediatric Orthopaedics Course, G.W.N. Eggers 11th Annual Orthopaedic Lectureship, Galveston, TX, April 22-24,1993.
- 8. Barriers and Bridges for Women in Engineering, 15th Annual International Conference of the I.E.E.E. EMBS, San Diego, CA, October 28-31, 1993.
- 9. Orthopaedic Medicine in Sports, G.W.N. Eggers 12th Annual Orthopaedic Lectureship, Galveston, TX, April 14-16, 1994.
- 10. Knee and Sports Medicine Course, The 8th Annual Josephina Santos Lectureship, Tremont House, Galveston, TX, January 27, 1995.
- 11. Current Concepts on Surgery of the Spine, G.W.N. Eggers 13th Annual Orthopaedic Lectureship, Galveston, TX, May 24-27, 1995.
- 12. Spinal Fixation, The 9th Annual Josephine Santos Lectureship, U.T.M.B.; Galveston, TX, 1996.
- 13. Managed Care Course, G.W.N. Eggers 13th Annual Orthopaedic Lectureship, Tremont House, Galveston, TX, 1996.
- 14. Mid-America Orthopaedic Assoc. 14th Annual Meeting, Hyatt Regency, Hill Country Resort San Antonio, TX, April 24-28, 1996.
- 15. The 2nd Conference on Professional Development for Women in Academia, Houston, TX, February 7-8, 1997.
- 16. Orthopaedic Alumni, G.W.N. Eggers 15th Annual Orthopaedic Lectureship, Galveston, TX, March 20-22, 1997.
- 17. AAMC Professional Development Seminar for Junior Women Faculty, Kansas City, MO, November 22-25, 1997.
- 18. Teaching Improvement Process System, A Workshop for Health Science Educators and Instructors, UTMB, Galveston, TX, May 6-7, 1999.
- 19. Moody Medical Library Academic Technology Center 2 hour course titled, So you want to Create a Web Course, July 13, 1999.
- 20. Moody Medical Library Reference and Educational Services 3 hour course titled, HTML Basics, April 12, 2000.
- 21. UTMB Education Scholars Program 1999-2000.
- 22. The University of Texas System Information Technology and Distance Education Conference 2000, Share the Experience, May 16-18, 2000.
- 23. Fellowship in Health Informatics and Computer-based Education, January 2000-June 2000
- 24. April 12, 2000, World Wide Web HTML Basics Class (4 hours)
- 25. 1999, Facilitators Training Workshop (4 hours)
- 26. Scientific Writing for Clinical Research, 8 hour course. Constance Baldwin, spring 2002.

- 27. 2002, Enhancing Career Success by Building Mentor Relationships, A half-day workshop facilitated by Leslie Hamilton
- 28. Career Building Seminar, February 7, 2003. All day seminar on strategic career planning, networking, and interviewing by Jan Greenwood, V.P. AT Kearney Recruitment Firm.
- 29. How to Succeed in Academia: Profiles of Successful Women Academicians, All day seminar January 31, 2003 hosted by the Association of Women Faculty at the University of Texas Health Sciences Center at Houston.
- 30. American Osteopathic Association, San Diego September 2007.
- 31. American Osteopathic Association, Las Vegas, October 2008.
- 32. The 26th Annual Meeting of the Houston Society for Engineering in Medicine and Biology, Houston, TX, March 19-20, 2008.
- 33. American Society of Biomechanics, South Central meeting, Scottish Rite Hospital for Crippled Children, Dallas, TX February 26, 2011.
- 34. ASME Leadership Development Conference, Dallas, TX March 4-6, 2011.
- 35. Southern Biomedical Engineering Conference, Session Chair, Arlington, TX April 29-30, 2011.
- 36. American Orthotics and Prosthetics Association National Assembly, San Antonio, TX September 2015.
- 37. Achieving Optimal Prosthetic Outcomes in Physical Therapy, Texas Physical Therapy Association Course, June 23-24, 2016.

VIII. PROFESSIONAL ACTIVITIES

Journal Reviewer

Editorial Reviews: Journal of Orthopaedic Research

Journal of Bone and Joint Surgery

Journal of Hand Surgery

IEEE Transactions on Circuits and Systems for Video Technology

ASME Journal of Biomechanics

Clinical Biomechanics

Annuls of Biomedical Engineering

2003-Present Associate Editor Journal of Hand Surgery

2015-Present Editorial Board Texas Orthopaedic Journal (TOJ)

06/2013 – 06/2016 Associate Editor Journal of Medical Devices

Grant Reviewer

1999, 2010, 2013 N.S.F., National Science Foundation.

2016

1999 Arthritis Research Campaign, Canada

2000 Arthritis Research Campaign, United Kingdom.

Joint NSF/NIH panel for Bioengineering and Bioinformatics Research

Training and Education grants.

2002-2004 NIH, reviewer for Brain Disorders and Clinical Neuroscience IRG. 2005-2009 Permanent member, NIH, Musculoskeletal Tissue Engineering Study

Section (MTE)

2005- 2009 Reviewer Small Grants for New Investigators (R03) applications

submitted to NIAMS.

Reviewer for a special emphasis panel for the review of a set of P30 Core

Center applications for Musculoskeletal Disorders.

2005 Reviewer for the Annual Portfolio Assessment Expert Review (APAER)

for the technology areas of the National Institute of Disability

Rehabilitation Research (NIDRR) Long-Range Plan.

NIH, NIAMS GO Special Emphasis panel reviewer.

2009 NIH, NIAMS Challenge grant mail reviewer. 2011 NIH, Program Project grant review panel.

2009 - Present NIH SBIR panel

CURRICULUM VITAE Stuart C. Pickell, MD, MDiv, FAAP, FACP

PERSONAL INFORMATION

Home Address: 3101 Wild Plum Dr. Office Address: Health-e-Care

Fort Worth, TX 76109 900 Jerome, Ste 400 817-676-5550 (m) Fort Worth, TX 76104

E-mail: scpickell@sbcglobal.net 817-732-6060 (o); 817-731-2541 (f)

EDUCATION/POST GRADUATE TRAINING

College: B.A., May 1982 The College of William and Mary in Virginia

Williamsburg, VA

Seminary: M.Div., May 1987 Princeton Theological Seminary

Princeton, NJ

Medical School: M.D., June 1996 University of Texas, Southwestern Medical School

Dallas, TX

Internship/Residency: June 2000 Internal Medicine and Pediatrics

University of Mississippi Medical Center (UMC)

Jackson, MS

MEDICAL LICENSURE

2001-present Texas State Board of Medical Examiners, #L2552 2000-2002 Tennessee Board of Medical Examiners, #34401 1996-2000 Mississippi Board of Medical Licensure, #15517

BOARD CERTIFICATION

October 2000 American Board of Internal Medicine (Initial Certification 2000; Recertified

2010; Expires 2020)

December 2000 American Board of Pediatrics (Initial Certification 2000; Recertified 2007;

Expires. 2018)

POSITION/PHYSICIAN WORK HISTORY

11/12-present North Texas Primary Care Associates, dba Health-e-Care 1/02-11/12 Fort Worth Med-Peds Associates, PA, Fort Worth, TX

7/01-12/01 W. R. Gardner, MD, PA, Fort Worth, TX (the practice I purchased in 2002)

8/00-6/01 Saint Thomas Health Group, Brentwood, TN

March 19, 2017

EDUCATIONAL ACTIVITIES

2016-present Curriculum Design Committee

New MD School at Texas Christian University

2012-present Adjunct Clinical Assistant Professor of Internal Medicine and Pediatrics

University of North Texas Health Science Center, Fort Worth, TX

2002-present At various times have had medical students and mid-level practitioner students

at all levels of training doing primary care and community medicine

rotations for anywhere from 3 to 10 weeks at a time

2002-present General Internal Medicine Statewide Preceptorship Program

Sponsored by the Texas Chapter of the American College of Physicians

2000-2001 Adjunct Clinical Assistant Professor of Pediatrics

Vanderbilt University School of Medicine, Nashville, TN

HOSPITAL COMMITTEE APPOINTMENTS

2001-present Harris Methodist Hospital (Downtown), Fort Worth, TX

2009-present Ethics Committee 2011-2016 Chairman

2002-present Cook Children's Medical Center, Fort Worth, TX

2004-present Ethics Committee 2002-2004 Cancer Committee

1996-2000 University of Mississippi Medical Center

1997-2000 Director, Reach Out and Read, Blair E. Batson Hospital for Children

1997-1998 Pharmacy & Therapeutics Committee, UMC 1996-1998 Pediatric Residency Review Committee, UMC

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS

2015-present	Texas MOST Coalition
_	Chair 2015 preser

Chair, 2015-present

2012-2016 <u>American Medical Group Association (AMGA)</u> 2012-2016 CMO/Medical Director Leadership Council

2002-2014 Fort Worth Pediatric Society

2005 Treasurer 2006 President

2001-present **Tarrant County Medical Society**

2003-present Board of Directors

2005-present Tarrant County Ethics Consortium

2011-present Chairman

2006-2008 Pandemic Flu/Disaster Preparedness Committee

2011-2012 Member, organizing committee, Project Access Tarrant County (PATC)

2006-2012 Public Grievance Committee 2003-2005 Public Grievance Committee Committee on School Health

1997-present American College of Physicians, Member, elected to Fellowship 2011

1996-Present <u>American Academy of Pediatrics</u>, Member, elected to fellowship 2005

1999-2001 Team Leader, Pediatric Leadership Alliance Program, Pediatric Leaders for the 21st Century (joint venture of the AAP and Johnson & Johnson)

1998-2000 Resident Liaison, Provisional Section on Med-Peds

1996-1998 Resident Section Coordinator, District VII

March 19, 2017

1992-96; 01-present <u>Texas Medical Association</u>

2013-present Council on Health Service Organizations

2012-present Ad Hoc Committee on Health Information Technology

2006-2009 Council on Public Health

1993-1996 Committee on Child and Adolescent Health

2001-present North Texas Specialty Physicians (NTSP) and its Subsidiaries

2012-present <u>Health-e-Care</u> 2012-present Medical Director

2012-2016 North Texas Respecting Choices
2012-2016 Chair, Implementation Committee

2014-2016 <u>Silverback</u>

2014-2016 Board of Directors

2011-2013 North Texas ACO (a.k.a., Plus ACO) – (a pioneer ACO)

2012-2013 Chair, Medical Management Committee

2011-2012 Member, Board of Directors

2011-2015 NTSP Charitable Fund

2011-2015 Board of Directors, Treasurer

2009-present <u>Care-N-Care</u>

2009-present Member, Quality Committee

2006-2016 **Sandlot, LLC**

2007-2016 Member, Board of Directors, Vice President

2006 EMR Task Force

2001-present Other Involvement in North Texas Specialty Physicians

2011-present Primary Care Division Executive Committee

2008-present Director for CMS Risk Adjustment (8-10 hrs/week since April 2011)
2008-present Featured presenter, Morning Medical Minute, WBAP 820 AM

2005-present PSN Medical Management Committee

2014-2016 NTSP Leadership Council 2005-2011 Primary Care Council

1998-2000 National Med-Peds Residents' Association
1998-2000 Founding Member, Board of Directors

1992-97; 2000-01 American Medical Association

OTHER INVOLVEMENT IN THE COMMUNITY MEDICINE

2016 Respecting Choices

2016 Certified, Last Steps Instructor 2016 Certified, Last Steps Facilitator

2014-present Board of Directors, HSC at HSC, a 501c3 company providing medical relief

services to Leogane, Haiti

2011-present Project Access Tarrant County – participating physician Christian Community Health Clinic (one afternoon a month)

2007-present Board of Directors 2010-present Vice President

2005-present Physician Volunteer in clinic 4th Wednesday afternoon every month

Feb 2009 Medical Mission Trip, Leogane, Haiti

March 19, 2017

MINISTRY

2015-present	Parish Associate, Faith Presbyterian Church, Aledo, TX
2005-2015	First Presbyterian Church in Fort Worth went through a leadership transition in
	2005 which, by rule, changes the relationship of a Parish Associate with a
	church. While I continued to be engaged in ministry throughout this time period
	- mostly at FPC Ft. Worth until 2011 - I did not formally participate in the
	ministry of a particular church until 2015.
2001-2005	Parish Associate, First Presbyterian Church, Fort Worth, TX
1996-2000	Parish Associate, Briarwood Presbyterian Church, Jackson, MS
1995-1996	Parish Associate, St. Philip Presbyterian Church, Hurst, TX
1987-1992	Associate Minister to Youth and Families, First Presbyterian Church, Fort
	Worth, TX (ordained as Teaching Elder in the PC(USA) in October 1987

AREAS OF EXPERTISE - TOPICS OF PRESENTATIONS

- Advance Care Planning and End-of-Life Care
- What Presbyterians Believe about Death and Dying
- Why Doctors Die Differently
- Religion, Spirituality and the Art of Medicine
- The Humanities and the Art of Healing
- Addressing Spirituality in the Clinical Encounter
- Risk Adjustment and Managed Care

- Innovative Approaches to the Delivery of Primary Care
- Risk Adjustment: What It Is and How It Works
- ACOs: Something Old, Something New
- Healthcare Quality, Access and Affordability
- Ethical Implications of Stem Cell Research
- Improving the Patient's Experience of Care
- Transitions from Pediatric to Adult Health Caree

BIBLIOGRAPHY

Pickell, Stuart C., "A 'Good' Death Requires Honest Conversation," Fort Worth Star-Telegram, April 8, 2013

Pickell, Stuart C., "Spiritual Competence: An Overview," <u>Transcultural Aspects of Perinatal Health Care:</u> A Resource Guide, National Perinatal Association & AAP, 2004.

Pickell, Stuart C., Book Review on the <u>Atlas of Pediatric Clinical Diagnosis</u> by Shah and Laude in American Family Physician, Vol. 61, No. 9, May 1, 2000.

Pickell, Stuart C., "Angel Flight," The Resident Reporter, Vol 8, No. 2, Spring 1998

Pickell, Stuart C., "Missions: More than Meets the Eye," Youthworker Journal, Fall 1989.

March 19, 2017

REFERENCES

Paul Bowman, MD Chair and Professor, Pediatrics UNTHSC 3500 Camp Bowie Blvd Fort Worth TX 76107 682-885-4006

David Capper, MD Covenant Hospice & Palliative Care Address: 2630 W. Freeway, Suite 130, Fort Worth, TX 76102 Phone:(817) 989-6290 817-735-8741

Roy Martin, DMin Asst. Professor of Clinical Ethics UNTHSC 3500 Camp Bowie Blvd. Fort Worth TX 76107-2699 817-735-0574

Jose Gonzalez, MD Medical Director Cook Children's Health Plan & The Center for Children's Health P.O. Box 2488 Fort Worth, TX 76113 (682) 885-6820 Kendra Belfi, MD 3801 Westcliff Rd., South Fort Worth TX 76109 817-923-2450

Steve Brotherton, MD Texas Bone and Joint 1651 W Rosedale St. Fort Worth, TX 76104 817-335-4316

Trey Moore, MD Urology Associates of North Texas West Terrell, Suite 400 Fort Worth, TX 76104 817-784-8268

Kim Callanan, MA 1315 Eagle Bend Dr. Southlake TX 76092 817-675-6821

Robert Sloane, MD 2237 Wilshire Blvd. Ft. Worth TX 76110 817-271-5763

CURRICULUM VITAE

Julie Ross Pittman, M.D. Ph.D.

October 2017

Office Address: 3602 Matlock Road, Suite 210, Arlington TX 76015

pittman@juliepittman.com

817-472-9369 817-472-9361 *fax*

Home Address: 1000 Yukon Drive, Mansfield TX 76063

jrpittman717@hotmail.com

(214) 901-5255

Place of Birth: Portales, NM

Current Positions: Outpatient Private Practice Psychiatrist

Pittman Psychiatry and Recovery, PLLC

3602 Matlock Road, Suite 210

Arlington TX 76015 July 2012 – Present

Medical Director

Nexus Recovery Center 8733 La Prada Drive Dallas TX 75228 January 2017 – Present

Previous Positions: Medical Director

Phoenix House Dallas, The Feinberg Academy

2345 Reagan Street, Dallas TX 775219

July 2012 - February 2014

Independent Contractor

The Greenhouse Residential Treatment Facility 1711 107th Street, Grand Prairie TX 75050

 $July\ 2012-July\ 2013$

Outpatient Staff Psychiatrist Matrix Alliance Associates, PA Urschel Recovery Science Institute 8222 Douglas Avenue, Suite 375

Dallas TX 75225

November 2010 – July 2012

Academic Appointment: Clinical Assistant Professor

University of Texas Southwestern Medical Center

5323 Harry Hines Boulevard

Dallas TX 75390

August 1, 2011 – Present

Education:

1997 **B.S.** University of Texas at Austin

Austin TX 78712

Major: Molecular Biology, Minor: German

2006 **Ph.D** University of Texas Medical Branch

301 University Blvd, Galveston TX 77555 M.D.-Ph.D. Combined Degree Program *Neuroscience Graduate Program*

2006 **M.D.** University of Texas Medical Branch

301 University Blvd, Galveston TX 77555 M.D.-Ph.D. Combined Degree Program

Postdoctoral Training:

2006-2010 Clinical Fellow in Harvard Medical School

Psychiatry Massachusetts General/McLean Hospital Adult

Psychiatry Residency Training Program, Boston MA

Internship and Residency

2010-2011 Addiction Psychiatry University of Texas Southwestern Medical Center,

Fellow Dallas TX

Major Administrative Responsibilities:

2009-2010 MGH/McLean Chief Massachusetts General/McLean Hospital Adult

Resident in Addictions Psychiatry Residency Training, Boston MA

Licensure and Certification:

2008-2010 Full Medical License in Massachusetts (234948)

2009-present X waiver

2010-2011 Physician in Training License in Texas (BP10038390)

2010-present Full Medical License in Texas (N8058)

2011-present American Board of Psychiatry and Neurology Certification in Psychiatry 2012-present American Board of Psychiatry and Neurology Certification in Addiction

Psychiatry

Additional Training:

09/18/08-09/19/08 Behavioral Tech Dialectical Behavioral Therapy (DBT) for Substance

Use Disorders with Linda Dimeff Ph.D. and Jennifer Sayres Ph.D.

02/25/09 American Academy of Addiction Psychiatry's "Half and Half

Course" for training and licensure to prescribe buprenorphine

Other Professional Positions and Major Visiting Appointments:

1997-1999 Research Assistant Department of Microbiology,

University of Texas at Austin, Austin TX

Major Committee Assignments:

Graduate School of Biomedical Sciences

2001 Scientific Ethics Student Elected University of Texas Medical Panel Panelist Branch, Galveston TX

M.D.-Ph.D. Combined-Degree Program

2001-2004 Student Operating Chair University of Texas Medical

Committee - Recruitment Branch, Galveston TX

2002-2004 M.D./Ph.D. Student Member University of Texas Medical

Representative - Admission Branch, Galveston TX

Subcommittee

2002-2004 M.D./Ph.D. Student Member University of Texas Medical

Representative - Advisory Branch, Galveston TX

Committee

Professional Societies:

ALCS!	
American Medical Student Association	Member
American Medical Association	Member
Society for Neuroscience	Member
College on Problems of Drug Dependence	Member
European Behavioural Pharmacology Society	Member
Massachusetts Psychiatric Society	Member
American Medical Association	Member
American Psychiatric Association	Member
American Academy of Addiction Psychiatrists	Member
American Society of Addiction Medicine	Member
Obesity Medicine Association	Member
	American Medical Association Society for Neuroscience College on Problems of Drug Dependence European Behavioural Pharmacology Society Massachusetts Psychiatric Society American Medical Association American Psychiatric Association American Academy of Addiction Psychiatrists American Society of Addiction Medicine

Community Service Related to Professional Work:

1997-1999 Volunteer Sexual Assault Peer-Counselor Austin Rape Crisis

1997-1999	Volunteer	Hospital and Hotline Advocate	Center/SafePlace, Austin TX Austin Rape Crisis Center/SafePlace, Austin TX
2001-2003	Tutor	Tutor to first- and second-year medical students in <i>Gross</i> Anatomy and Radiology and Neuroscience and Human Behavior	University of Texas Medical Branch, Galveston TX
2002-2006	Volunteer	Medical provider	St. Vincent's Free, Student- Run Clinic in Galveston, TX
2003-2006	Volunteer	Science fair judge	Elementary and junior high level, Galveston TX
2004	Volunteer	Community educator doing outreach teaching sexual health to local high school students	S.T.A.T.S. (Students Teaching AIDS To Students), Galveston TX
2004	Volunteer	Organizer	Community Immunity Vaccination Outreach Program in Galveston, TX
2009-2013	Volunteer	Introduction Leader for Landmark Education	Landmark Education Quincy, MA and Dallas, TX
2015-2017	Member	Board of Directors	Nexus Recovery Center, Inc. 8733 La Prada Drive Dallas TX 75228

Editorial Boards:

2003	ad hoc reviewer	Journal of Pharmacology and Experimental Therapeutics
2003	ad hoc reviewer	Journal of Neuroscience
2003	ad hoc reviewer	Neuropsychopharmacology

Awards and Honors:

American Academy of Addiction Psychiatrists Travel Scholarship to 20 th
Annual Meeting in 2009
Edward Randall Medal for Academic Excellence, University of Texas
Medical Branch
James E. Beall II Memorial Scholarship, University of Texas Medical Branch
James E. Beall II Memorial Scholarship, University of Texas Medical Branch
National Institute for Drug Abuse M.D./Ph.D. Individual National Research
Service Award
Robert Harrison, M.D. Memorial M.D./Ph.D. Scholarship, University of
Texas Medical Branch
Honor Society of Phi Kappa Phi
Graduate cum laude, University of Texas at Austin
βββ Biological Honor Society

1995	Golden Key National Honor Society
1995-1997	College of Natural Sciences Scholar, University of Texas at Austin
1993-1997	University Honor List, University of Texas at Austin
1993-1997	Dean's Scholar, University of Texas at Austin
1993-1997	Amon G. Carter Star-Telegram Employees Fund Academic Scholarship,
	University of Texas at Austin
1993	Emerging Scholars Program – Sequence, Series, and Multivariable Calculus,
	University of Texas at Austin

Part II: Research, Teaching, and Clinical Contributions

Report of Research Activities:		
Oct 2010 – Feb 2011	Smoking Cessation and Stimulant Treatment (S-CAST): Evaluation of the Impact of Concurrent Outpatient Smoking Cessation and Stimulant Treatment on Stimulant Dependence, Medical Clinician, NIDA-CTN- 0046	
Feb 2009 – Dec 2010	Implementation of Screening Brief Intervention and Referral to Treatment (SBIRT) in a Psychiatric Emergency Setting. This study analyzes responses collected from residents in the MGH-McLean adult psychiatry training program in order to assess whether a structured assessment of drug-taking behaviors with guidance regarding appropriate brief intervention and referral to treatment is an effective method for handling patients in the emergency setting and whether the training and implementation of SBIRT will alter the level of satisfaction residents feel regarding treating substance-abusing patients in terms of resident's level of resignation, satisfaction with disposition options and assessment of the likelihood of clinical improvement for the patients.	
Jan 2002 – Jan 2005	Dissertation, University of Texas Medical Branch, Dept. of Pharmacology and Toxicology. Research conducted under Dr. Kathryn Cunningham. Studying molecular differences between high responder and low responder rats in terms of expression profiles in the brain dopamine mesolimbic circuit and in terms of habituation to a novel environment and response to (+)-MDMA.	
Aug 2001 – Dec 2001	Research Rotation, University of Texas Medical Branch, Dept. of Pharmacology and Toxicology. Research conducted under Dr. Kathryn Cunningham. Focus on the role of serotonin _{2A} receptors (5-HT _{2A} R) in MDMA-evoked activity. Chronically treated male Sprague-Dawley rats with the 5-HT ₂ R agonist DOI, monitored MDMA-evoked behavioral activation, and used immunocytochemistry to examine expression of both c-Fos (an immediate-early gene) and 5-HT _{2A} R.	
1997-1999	Research Assistant, University of Texas at Austin. Department of Microbiology. Research conducted under James Walker on DNA replication in <i>Escherichia coli</i> . Focus on site-directed mutagenesis,	

overexpression, and purification of the beta-clamp loading components of the *E. coli* polymerase III complex, namely tau and gamma. Cloned mutagenized proteins into expression vectors, overexpressed, and purified the resulting products. Assayed the pure tau and gamma for ATPase activity, ATP binding, and beta-clamp loading activity.

1996-1997

Years:

06/03/2006

Undergraduate Volunteer, University of Texas at Austin. Department of Zoology. Research conducted under David Crews on neuroendocrinology of leopard gecko, *Eublepharis macularius*. Focus on the plasticity of sexual behavior in females of the species, notable for its temperature-dependent sex determination. Performed oophorectomies, manufactured and implanted hormone replacements,

and tested the sexual behaviors of these females with normal males.

Funding Information:

Source: PI: Grant:

07/01/2003- **NIDA** Julie Ross **F30 DA 16500-01**; "MOLECULAR BASIS OF

VULNERABILITY TO DRUG ADDICTION"

Report of Teaching

March 2001-May 2001 Laboratory Teaching Assistant, Neuroscience and Human Behavior,

Integrated Medical Curriculum, School of Medicine, University of

Texas Medical Branch, Galveston TX

November 2001 Guest Lecturer, Effective Strategies for USMLE Preparations, Alliance

of Internal Medicine, School of Medicine, University of Texas

Medical Branch, Galveston TX

March 2002-May 2002 Laboratory Teaching Assistant, Neuroscience and Human Behavior,

Integrated Medical Curriculum, School of Medicine, University of

Texas Medical Branch, Galveston TX

January 2003-June 2006 USMLE Student Mentor, School of Medicine Academic Support

Services, University of Texas Medical Branch, Galveston TX

February 2008 Lecture, Selective Publication of Antidepressant Trials and Its

Influence on Apparent Efficacy, Journal Club, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training

Program, Boston MA

March 2008 Lecture, Delirious Mania – Pitfalls in Delayed Diagnosis, Blake 11

Case Conference, Massachusetts General Hospital Inpatient Psychiatric Unit, Massachusetts General/McLean Hospital Adult

Psychiatry Residency Training Program, Boston MA

June 2008 Lecture, Autosomal Dominant Frontotemporal Dementia, AB2 Case

Conference, McLean Hospital Inpatient Psychiatric Unit,

Massachusetts General/McLean Hospital Adult Psychiatry Residency

Training Program, Boston MA

January 2009 Lecture, Organic Mania, Psychosomatics Conference, Massachusetts General Hospital Consultation Service, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Lecture, Motivation Interviewing in the General Hospital, February 2009 Psychosomatics Conference, Massachusetts General Hospital Consultation Service, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Teaching Assistant, Clinical Neuroscience Course for PGY-2 July 2009-June 2010 Residents, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Chief Resident, Supervision of PGY-1 Residents on Inpatient Dual July 2009- June 2010 Diagnosis Unit, McLean Hospital, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Chief Resident, Supervision of PGY-2 in the Clinical Evaluation July 2009- June 2010 Center, McLean Hospital, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Chief Resident, Supervision and Didactics for PGY-3 Residents on the July 2009- June 2010 Substance Abuse Consultation Service, McLean Hospital, Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA Local Lecture Series, Limbic System I and II, PGY2 Didactics, November 2009 Massachusetts General/McLean Hospital Adult Psychiatry Residency Training Program, Boston MA National Lecture, Motivational Interviewing: A Contemporary December 2009 Perspective, Stamford Hospital, Stamford CT Lecturer, American Academy of Addiction Psychiatry Buprenorphine April 2010 "Half and Half" Course, McLean Hospital, Belmont MA Local Lecture, Motivational Interviewing, Department Training, July 2010 Veterans Administration Hospital, University of Texas Southwestern Medical Center, Dallas, TX Addiction Psychiatry Fellow, Supervision of Medical Students and July 2010-August 2010 PGY-1 Residents on Inpatient Residential Treatment Unit, Veterans Administration Hospital, University of Texas Southwestern Medical Center, Dallas, TX Local Lecture, Motivational Interviewing, Resident Conference, September 2010 University of Texas Southwestern Medical Center Adult Psychiatry Training Program, Parkland Hospital, Dallas, TX Psychiatry Lecture Series, Addiction Psychiatry, MS3 Clinical July 2010 - Present Teaching, School of Medicine, University of Texas Southwestern Medical Center, Dallas TX Local Lecture, "A Conversation about Addiction, Treatment Options, August 2011 and How to Get a Someone into Treatment." EnterHealth Continuing Education Conference. AIDS Outreach Center, Fort Worth, TX Local Lecture, Presenter, "Contemporary Substance Abuse Treatment: January 2012 From Motivational Interviewing to Meds," Texas Association of

May 2012	Addiction Professionals NOVA 2012 meeting, Dallas, TX. Local Lecture, American Academy of Addiction Psychiatry
1,1aj 2012	Buprenorphine "Half and Half" Course, University of Texas
	Southwestern Medical Center, Dallas TX
May 2012	Local Lecture, Motivational Interviewing, PGY3 Didactic Resident
•	Conference, University of Texas Southwestern Medical Center Adult
	Psychiatry Training Program, Dallas, TX

July 2013 Local Lecture, Motivational Interviewing, Direct Practice in Mental

Health Course, School of Social Work, University of Texas at

November 2013 Arlington, Arlington TX

> Local Lecture, American Academy of Addiction Psychiatry Buprenorphine "Half and Half" Course, University of Texas

Southwestern Medical Center, Dallas TX January 2014-February

2014 Clinical Supervision of Child and Adolescent Psychiatry Fellows,

University of Texas Southwestern Medical Center, Dallas TX

Report of Clinical Activities

I see patients in a private, addictions-focused outpatient psychiatric practice.

Part III: Bibliography

Original Articles:

Turk Rhen, Julie Ross, and David Crews. Effects of Testosterone on Sexual Behavior and Morphology in Adult Female Leopard Geckos, Eublepharis macularius. Hormones and Behavior. 36(2):119-128; 1999.

Alexandra Blinkova, Edwin Gines-Candelaria, Julie D. Ross, and James R. Walker. Suppression of a DnaX temperature-sensitive polymerization defect by mutation in the initiation gene, dnaA, requires functional oriC. Molecular Microbiology. 36(4): 913-925; 2000.

James R. Walker, Christine Hervas, Julie D. Ross, Alexandra Blinkova, Michael J. Walbridge, Emilynn Pumarega, Mi-Oak Park, and Harold Neely. Escherichia coli DNA Polymerase III τ- and γ-Subunit Conserved Residues for Activity In Vivo and In Vitro. Journal of Bacteriology. 182(21):6106-6113; 2000.

Julie D. Ross, David V. Herin, Paul S. Frankel, Mary L. Thomas and Kathryn A. Cunningham. Chronic Treatment with a Serotonin₂ Receptor (5-HT₂R) Agonist Modulates the Behavioral and Cellular Response to (+)-3,4-Methylenedioxymethamphetamine [(+)-MDMA]. Drug and Alcohol Dependence. 81(2):117-27; 2006.

Thesis:

Ross JD. Individual Sensitivity to Novelty and (+)-3,4-Methylenedioxymethamphetamine: Roles for Serotonin and GABA Neurotransmission [dissertation]. Galveston (TX): University of Texas Medical Branch; 2006.

Book Chapters:

Julie Ross MD PhD. "Intoxication, Overdose and Withdrawal" of Psychiatric Emergencies. In: Rosenquist JN, Nykiel S, Chang T, Sanders K (Eds.), The Massachusetts General Hospital/McLean Hospital Pocket Handbook of Psychiatry. By the Residents and Faculties of the Massachusetts General and McLean Hospitals. Philadelphia: Lippincott Williams and Wilkins, 2009; Ch 2:23-34.

Julie D. Ross, M.D., Ph.D., David R. Gastfriend, M.D. and John A. Renner, Jr., M.D. Alcoholic Patients – Acute and Chronic. In: Stern TA, Fricchione G, Cassem NH, Jellinick MS, Rosenbaum JF (Eds.), Massachusetts General Hospital Handbook of General Hospital Psychiatry. Mosby Publications 2010; Ch 14:153-162.

John A. Renner, Jr., M.D, **Julie D. Ross, M.D., Ph.D**. and David R. Gastfriend, M.D. Drug-Addicted Patients. In: Stern TA, Fricchione G, Cassem NH, Jellinick MS, Rosenbaum JF (Eds.), Massachusetts General Hospital Handbook of General Hospital Psychiatry. Mosby Publications 2010; Ch 15:163-172.

Philip H. Chung MD, **Julie Ross MD PhD**, Sidarth Wakhlu MD and Bryon Adinoff MD. Neurobiological Bases of Addiction Treatment. In: Rotgers F, Morgenstern J, Walters S (Eds.), Treating Substance Abuse, Third Edition: Theory and Technique. Guilford Publications 2010; Ch 11.

Online Monographs:

Julie D. Ross and Philip H, Chung. Alcohol Abuse. In: http://online.epocrates.com. Best Practices. Edited by British Medical Journal. 2010-2017.

Abstracts:

- J.R. Walker, E. Gines-Candelaria, **Julie Ross** and Alexandra Blinkova. Suppression of *E.coli dnaX(Ts)* polymerization defect by mutations in the initiator gene *dnaA* requires a functional *oriC*. *Keystone Symposium*. 1999.
- **J.D. Ross**, D.V. Herin, P.S. Frankel, and K.A. Cunningham. Chronic Treatment with the 5-HT₂R Agonist DOI Modulates the Behavioral and Cellular Response to (+)-3,4-Methylenedioxymethamphetamine [(+)-MDMA]. Presented at the 64th annual scientific meeting of the College of Problems on Drug Dependence. Drug and Alcohol Dependence. 66(1): S151; 2002.
- **J.D. Ross** and K.A. Cunningham. Characterization of Behavioral Difference Between High and Low Responders to a Novel Environment. Society for Neuroscience Abstract. Online 2002.

- **J.D. Ross**, D.V. Herin, K.M. Pack, and K.A. Cunningham. Chronic Treatment with the 5-HT₂R Agonist DOI Modulates the Behavioral and Cellular Response to (+)3,4-Methylenedioxymethamphetamine [(+)-MDMA]. Presented at the National Student Research Forum in Galveston, TX in April 2003.
- **Julie D. Ross** and Kathryn A. Cunningham. Individual Differences in Response to a Novel Environment: Studies of Habituation and the Effects of (+)-3,4-Methylenedioxymethamphetamine [(+)-MDMA; ecstasy]. Presented at the 18th Annual National M.D./Ph.D. Student Conference in Snowmass, Colorado in July 2003.
- **J.D. Ross**, D.V. Herin and K.A. Cunningham. Functional Capacity of 5-HT_{2A} and 5-HT_{2C} Receptors: Role in Hyperactivity Induced by (+)3,4-Methylenedioxymethamphetamine [(+)-MDMA, ecstasy]. Presented at the 10th biennial meeting of the European Behavioural Pharmacology Society. Behavioural Pharmacology. 14(1). S63. 2003.
- **Julie D. Ross** and Kathryn A. Cunningham. Exposure to a Novel Environment Induces Differential Expression of c-Fos Immunoreactivity in High and Low Responding Rats. Society for Neuroscience Abstract. Online 2003.
- **J.D. Ross** and K.A. Cunningham. Differential Expression of c-Fos Immunoreactivity in High and Low Responding Rats after Exposure to a Novel Environment. Presented at the National Student Research Forum in Galveston, TX in April 2004.
- **J.D. Ross** and K.A. Cunningham. Exposure to a Novel Environment Induces Differential Expression of c-Fos Immunoreactivity in GABA- and Dopamine-containing cells in High and Low Responder Rats. Society for Neuroscience Abstract. Online 2004.
- **Julie D. Ross, MD, PhD**, Rajan Bahl, MD, Hilary Smith Connery. MD PhD and Shelly F. Greenfield, MD. Implementation of Screening, Brief Intervention, and Referral to Treatment in Psychiatric Emergency Settings. Presented at the American Academy of Addiction Psychiatrist 21st Annual Meeting abstract, Dec. 2010. The American Journal on Addictions. (20)4: 378.

Curriculum Vitae

I. John V. Planz, Ph. D. Associate Professor
Center for Medical Genetics
Institute of Molecular Medicine

II. Education

Ph.D. Biology, 1992. University of North Texas, Denton, TX. *Dissertation:* Molecular phylogeny and evolution of the American woodrats, Genus *Neotoma* (Muridae).

M.S. Biology, 1987. Shippensburg University, Shippensburg, PA. *Thesis:* Activity patterns in the white-footed mouse (*Peromyscus leucopus*) - Influence of woody litter.

B.S. Biology and Zoology, double major, 1984. State University of New York, College at Oswego, NY. Concentration: Behavioral Ecology/Vertebrate Zoology.

III. Professional experience

INTERIM DIRECTOR, 11/15/2015 to 5/1/2016. UNT Center for Human Identification

- Direct operations of UNT Center for Human Identification
- Direct operations of Forensic Casework section, National Missing Persons Program, and NAMUS
- Supervise and direct staff scientists and data analysts

ASSOCIATE DIRECTOR, 2000 to 2016. UNT Center for Human Identification

- Direct operations of DNA Identity Laboratory in the absence of the Director
- Direct operations of Forensic Casework section and National Missing Persons Program
- Supervise and direct staff scientists and data analysts
- Design and develop new DNA testing methodologies

DIRECTOR. 1998 - 2000. DNA Identity Testing Laboratory, BioSynthesis, Inc., Lewisville, Texas

- Establish and direct all operations of Identity Testing Division of company
- Supervise and direct staff scientists and data analysts
- Design and develop new DNA testing methodologies
- Development and administration of quality assurance program

DIRECTOR OF IDENTITY TESTING. 1996 - 1998. GeneScreen, Inc., Dallas, Texas

- Review and issue laboratory reports in parentage testing and forensic cases
- Design and implement SNP and microsatellite testing systems
- Supervise and direct staff scientists and data analysts
- Review and approve analytical procedures and quality assurance records
- Legal testimony

FORENSIC SEROLOGIST. 1993 - 1996. Southwestern Institute of Forensic Sciences, Dallas, Texas

- Facility design, procurement of equipment and validation of PCR testing facility for forensic analysis
- Establishment and update of Quality Control and Quality Assurance guidelines
- System Administrator for CODIS DNA indexing system
- Examination and screening of crime scene evidence for the presence of biological materials
- Legal testimony

POSTDOCTORAL FELLOW. 1992 - 1993. Section of Mammals, The Carnegie Museum of Natural History, Pittsburgh, Pennsylvania

- Field and laboratory-based research in mammalian systematics and population genetics
- Design and procurement of computer facilities for curatorial and research databases

RESEARCH ASSISTANT. 1987 - 1990. Institute of Applied Sciences, University of North Texas, Department of Biological Sciences, Denton, Texas

- Post-impoundment biological survey of Lake Ray Roberts located in North Central Texas in cooperative effort with The United States Army Corps of Engineers
- Preparation of final technical reports and manuscripts

IV. Honors and awards

- Presidents Award for Research Excellence, 2011, UNT Health Science Center
- Wood Badge, Boy Scouts of America, 2007.
- Bachelor of Commissioner Science, Boy Scouts of America, 2004.
- Texas Society of Mammalogists Research Award, 1990.
- Wilkes Award, Southwestern Association of Naturalists, 1990.
- K. G. Silvey Society Scholarship, The University of North Texas, 1990.

V. Professional Affiliations

- Society for Molecular Biology and Evolution
- Academy of Forensic Sciences
- Association of Forensic DNA Analysts and Administrators (AFDAA)
- International Society for Forensic Genetics
- Scientific Working Group for DNA Analysis Methods (SWGDAM)
- Texas Crime Laboratory Director's Association

VI. Teaching experience

ASSOCIATE PROFESSOR, 2004 to Present ASSISTANT PROFESSOR, 2000-2004.

Institute of Molecular Medicine, Center for Medical Genetics.(formerly: Department of Molecular and Medical Genetics, Forensic and Investigative Genetics, Cell Biology and Genetics, Pathology) UNT Health Science Center at Fort Worth, Fort Worth, Texas.

- Vice-Chairman of Department (Aug 2012-Sep 2016)
- Online Programs Coordinator Graduate School of Biomedical Sciences (2012present)
- Graduate Advisor (2001-2011)
- Program Director and for Forensic Genetics Master of Science Program (2001-2011)
- Procure funding for ongoing research programs
- Assist in fiscal and strategic planning of departmental programs
- Oversee visiting scientists, interns, graduate students, and Summer Scholars

LECTURER. 1995 - 2000. University of Texas at Dallas, Department of Biology, Richardson, Texas

 Instruction of Forensic Biology, Population Genetics, Evolutionary Biology and Ecology courses

ADJUNCT PROFESSOR. 1993 - 2003. The University of North Texas, Department of Biological Sciences, Denton, Texas

- Instruction of Introductory Biology, Honors Biology, Animal Ecology, and Population Genetics
- Special Topics lectures in DNA Fingerprinting, PCR, Forensic Biology, and Molecular Systematics

TEACHING FELLOW. 1990 - 1991. University of North Texas, Department of Biological Sciences, Denton, Texas

- Course lectures for Comparative Vertebrate Anatomy
- Special lectures in Advanced Genetics, General Ecology, and Heredity

TEACHING ASSISTANT. 1987 - 1990. University of North Texas, Department of Biological Sciences, Denton, Texas

- Instruction of laboratory courses in Comparative Vertebrate Anatomy, Genetics, Population Genetics, Animal Ecology, and General Biology
- · Preparation of laboratory manuals and study guides

1. UNTHSC-FW

a. Lectures or courses - TCOM

Cellular Science - MEDE 7810

Fall 2012 Medical Term - Fall 2016 Medical Term

Role: Faculty (10% material)

b. Lectures or courses - Graduate School

(listed chronologically from present)

Experimental Design and Biostatistics - BMSC 6200

Fall 2016

Role: Co-Course Director (with Dr. Nathalie Sumein), (95% material)

Fundamentals in BioSciences 3 - BMSC 6203

Fall 2016

Role: Faculty (45% material)

Population Genetics and Forensic Statistics - MOMG 5401

(formerly FGEN 5401)

Fall 2012 - 2016

Role: Course Director (95% material)

Biostatistics for Biomedical Science - BMSC 5400

Fall 2014, Summer 2015 - Summer 2016

Role: Course Director, (online 240+ students) (100% material)

Integrated Biomedical Science - BMSC 6302

Fall 2012 - Fall 2014

Role: Faculty (15% material)

Molecular Evolution Genetics - MOMG 6340 (formerly FGEN 6340)

Fall 2009, 2011, 2014

Role: Course Director (100% material)

Biomedical Ethics - BMSC 5160

Fall 2007 - Fall 2014

Role: Faculty (10% material)

Basic Methods in Forensic Molecular Genetics - FGEN 5306

Spring 2012 - Spring 2013

Role: Course Director (100% material)

Advanced Methods in Forensic Molecular Genetics - FGEN 5307

Summer 2011 - 2013

Role: Course Director (2011 (60% material)); Faculty (2012-2013

(20% material))

Forensic Genetic Data Analysis - FGEN 5401

Fall 2009 - 2011

Role: Course Director (2009 – 2010 (80% material)); Faculty (2011 (40% Material)).

Mitochondrial DNA Analysis - FGEN 6200 (formerly CGEN 6100)

Spring 2004 - Spring 2011

Role: Course Director (100% material)

Population Genetics - FGEN 5301 (formerly CGEN 5300)

Spring 2002 - Spring 2011

Role: Course Director (100% material)

Forensic Lab Quality Assurance - FGEN 5100 (formerly CGEN 5500)

Summer 2002 - 2010

Role: Course Director (50% material)

Genetic Data Analysis - CGEN 5310

Fall 2002 - Fall 2008

Role: Course Director (80% material)

Applications of Y-Chromosome Analysis - CGEN 5101

Fall 2006 - Fall 2007

Role: Faculty (25% material)

Biological Evidence Evaluation - CGEN 5100

Fall 2002 - 2004

Role: Course Director (100% material)

Proteomics - CGEN 6304

Fall 2005

Role: Guest Lectures (10% material)

Human Genetics CGEN 6301

Role: Guest Lectures (20% material)

c. Lectures or courses - Physician Assistant Program

N/A

d. Lectures or courses - Public Health School

Molecular Epidemiology - EPID 6316

Spring 2010-2012

Role: Guest Lectures (10% material)

e. Lectures or courses – DPT Program

N/A

f. Other

In 2012, Online and Onsite training was provided to participants in the NIJ funded Comprehensive Training Program in Forensic DNA Interpretation and Statistics. This program provided 40 hours of continuing education to 140 crime laboratory personnel nationwide and is now available as a self-directed training program on the NIJ training

site and on our own Online training site: http://web.unthsc.edu/info/200210/molecular_and_medical_genetics/2842/online_training.

This program, which included the contributions of several departmental faculty and facilitation by PACE, the UNTHSC Libraries, and IT department originated largely from the Genetics Data Analysis course (formerly FGEN 5401). Since the completion of the online training deployments, the program materials were remodeled for use in the current MOMG 5401 course that is being taught in a blended format. It is my intention to concurrently offer this course in Fall 2015 to our on-campus Forensic Genetics students in the blended format and in a fully online section to students nationwide. A unique feature of this deployment will be that the online students will be included in groups with our on-campus students for Team Learning Exercises and Group assignments. As it is expected that off-campus students enrolling in the course will largely be working forensic analysts, our graduate students will gain valuable insight into their profession from people in the field and provide an opportunity for professional networking.

2. Professional presentations

a. Grand rounds/clinical education presentations

N/A

b. Hospital/clinical faculty/staff presentations

N/A

c. Other

Listed below are presentations given as staff training or continuing education sessions, for state local and national law enforcement crime laboratories that have equivalent value to the categories listed in a & b above. Only presentations made during my time at UNTHSC are listed.

- Planz, J. V., R. K. Roby, and R. Chakraborty. 2014. Complex Mixture DNA Interpretation and Statistics. AFDAA. January 17, 2014 Austin, TX
- Planz, J. V. 2013. Applied Forensic Statistics Workshop. Massachusetts State Police Crime Lab. March 11-13 2013. Boston, MA
- Planz, J. V. 2012. Applied Forensic Statistics. Minnesota Bureau of Criminal Apprehension Laboratory. April 6-7, 2012. St. Paul, MN
- Planz, J. V. 2011. Forensic Statistics Workshop. Office of the Chief Medical Examiner, New York City, September 22-23, 2011. New York, NY
- A. J. Eisenberg and Planz, J. V. 2010. Advanced Topics in Forensic Statistics. 21st International Symposium on Human Identification, October 11, 2010. San Antonio, TX
- Planz, J.V. 2010. Relationship Testing Statistics. Wisconsin State Crime Lab. March 29, 2010. Madison WI
- Planz, J.V. 2010. Relationship Testing and Pedigree Statistics. Bode Technology Advanced DNA Technical Workshop. March 31, 2010. San Diego, CA

- Planz, J.V. 2010. Relationship Testing and Pedigree Statistics. Bode Technology Advanced DNA Technical Workshop. May 26, 2010. Amelia Island, FL
- Planz, J. V. 2009. Advanced Forensic Statistics. : 20th International Symposium on Human Identification, October 13, 2009. Las Vegas, NV
- Planz, J. V. 2009. Forensic Statistics Workshop. Office of the Chief Medical Examiner, New York City, June 10-11, 2009. New York, NY
- Planz, J. V. 2009. Y STR Statistics Workshop. California Criminalistics Institute, January 4, 2008 Los Angeles, CA
- Planz, J. V. 2009. Forensic Statistics Workshop. New Jersey State Police Crime Laboratory, April 28-29, 2009, Hamilton, NJ
- Planz, J. V. 2009. Y STR Statistics Workshop. Pennsylvania State Police Crime Laboratory, April 6-7, 2009, Greensburg, PA
- Planz, J. V. 2008. Applied Forensic Statistics Workshop. Ohio State Bureau of Criminal Apprehension. November 5, 2008. Cleveland, OH
- Planz, J. V. 2008. Applied Forensic Statistics. Minnesota Bureau of Criminal Apprehension Laboratory. May 20-21, 2008. St. Paul, MN
- Planz, J. V. 2008. Y STR Statistics Workshop. Wisconsin State Police Crime Laboratory System. January 4, 2008. Madison, WI
- Planz, J. V. and A. J. Eisenberg. 2007. Applied Forensic Statistics. 18th International Symposium on Human Identification, October 1, 2007. Hollywood, CA
- Planz, J. V. 2007. Familial Assessment and Kinship Analysis. AFDAA. Aug 2, 2007 Austin, TX
- Planz, J. V., B. Budowle, and A. J. Eisenberg. 2006. Advanced Topics in Forensic Statistics. 17th International Symposium on Human Identification, October 9, 2006. Nashville, TN
- Planz, J. V. 2006. Parentage Statistics Workshop. Tucson Police Department Crime Laboratory. August 18, 2006. Tucson, AZ
- Planz, J. V. 2006. Y STR Statistics Workshop. Applied Biosystems Future Trends in DNA Technology. June 7, 2006. Seattle, WA
- Planz, J. V. 2006. Y STR Statistics Workshop. Applied Biosystems Future Trends in DNA Technology. May 24, 2006. Largo, FL
- Planz, J. V. 2005. Forensic Mixture and Parentage Statistics. Richland County Sheriffs Department. November 18, 2005. Columbia, SC
- Planz, J. V. and A. J. Eisenberg. 2005. Forensic Statistics Popstats Revisited. Fifteenth International Symposium on Human Identification, September 26, 2005, Grapevine, TX
- Planz, J. V. 2005. Forensic Statistics Workshop. Office of the Chief Medical Examiner, New York City, July 14, 2005. New York, NY
- Planz, J. V. 2005. Forensic Statistics Workshop. New York State Police Crime Laboratory Division, held at SUNY Albany, July 12 13, 2005. Rensselaer, NY
- Planz, J. V. and A. J. Eisenberg, 2004. Forensic Parentage and Mixture Statistics. Fifteenth International Symposium on Human Identification, October 4, 2003, Phoenix, AZ.
- Planz, J. V. and A. J. Eisenberg, 2004. Workshop in applied Forensic Statistics. Ohio Bureau of Criminal Apprehension and the Ohio Attorney Generals Office, September 9-10, 2004, Cleveland, OH
- Planz, J. V. and A. J. Eisenberg, 2004. Making sense of PopStats. Workshop in applied Forensic Statistics. Oregon State Police Crime Laboratory, August 11-12, 2004, Portland, OR
- Planz, J. V. 2004. Population evaluation and mixture statistics for forensic scientists. Maryland State Police Crime Laboratory, February 25, 2004, Pikesville, MD.

- Planz, J. V. and A. J. Eisenberg, 2003. Making sense of PopStats. Workshop in applied Forensic Statistics. Fourteenth International Symposium on Human Identification, September 29, 2003, Phoenix, AZ.
- Planz, J. V. 2003. Parentage statistics for forensic scientists. Office of the Chief Medical Examiner, New York City, September 12, 2003.
- Planz, J. V. 2003. Population evaluation and mixture statistics for forensic scientists. Arkansas State Crime Laboratory, October 22, 2003, Little Rock, AR.
- Planz, J. V., A. J. Eisenberg, and G. Carmody. 2002. Statistics II Forensic Mixture Interpretation and Analysis. Thirteenth International Symposium on Human Identification, October 7, 2002, Phoenix, AZ.
- Planz, J. V., G. Carmody, and B. Budowle. 2001. Statistics and Mixture Interpretation Workshop. Twelfth International Symposium on Human Identification, October 9 12, 2001, Biloxi, MS.
- Planz, J. V. 2001. Parentage statistics for forensic scientists. Georgia Bureau of Investigation, September 18-19, 2001, Decatur GA.

3. Supervision

a. Hospital/Clinic/SNF/Outpatient

Associate Director, DNA Identity Lab. 2000- 2015. Shared supervision of 4-8 laboratory staff members responsible for paternity testing for state and private cases.

Technical Leader, UNT Center for Human Identification. 2001-2006. Supervision of forensic DNA analysis and support staff for State and national Missing persons program and Forensic crime lab testing, approx. 8-16 individuals. Oversaw Quality Assurance Program including proficiency testing 2000-2004.

b. Student rotations - medical, PA, DPT, other

Supported 8 students in Laboratory Rotations (BMSC 5150) between 2011-2016.

NOTE: I did not have my own laboratory space until Spring 2011 and could not admit students for rotations in our operational crime laboratories.

Graduate students – major
 Professor/adviser/mentor/and/or
 committee member

I served as Graduate Advisor for the Forensic Genetics Professional Master of Science program from its inception in 2001 to 2011 and for our doctoral program from 2006- 2011. During that period I was advisor to approximately 93 Masters students and 7 Doctoral students.

Major Professor

<u>Ph.D.</u>

Shewale, Shantanu J.	2016
Zascavage, Roxanne R.	2016
Dianna Elrod (at UNT)	2003

<u>M.S.</u>

Student Committees

Over the past 16 years I have served as a committee member on 8 Doctoral and 65 Master of Science committees, and served as University member on 13 Doctoral committees.

d. Research laboratory – staff, medical and/or other students

Laboratory Technicians

Dingchung Huang 2010-present
Sandy Kirkpatrick 2010-2012
Suzanne Schaeffer 2008-2010
Dixie Peters 2002-2004

e. Post-doctorate associates

Roxanne R. Zascavage, Ph.D. 2016 - present

- f. Visiting scientists
- 4. Visiting/guest faculty lecturer

N/A

5. Other supporting materials (optional)

VI. Service

1. UNTHSC, SHP, TCOM, SPH, GSBS, SCP committee Memberships

SACS Fifth-Year Interim Review Committee - 2015

Gibson D. Lewis Health Science Library Operational Assessment Committee - 2016

UNTHSC APART Committee - 2014 - present

GSBS Director of Distance Education – 2012 - present

Member, UNTHSC Distance Education Committee – 2011 - present

Member, GSBS Bylaws Committee - 2011 - present

Member, Graduate Admissions Committee – 2009 – present

Member, Graduate Council – 2002 – 2011

Member, Core Curriculum Revision Committee – 2009 – 2011

Member, UNTHSC Research Advisory Council, – 2004 – 2007 Strategic Planning Subcommittee – 2005 – 2007 Core Facilities Committee – 2006 - 2007

2. Department committee membership

Distance Education, 2010 – present

By Laws Committee, 2010 - present

Curriculum Committee, 2001 - present

Graduate Advisor, 2001–2011

Program Director, Forensic Genetics Masters Program – 2001–2011

3. Patient care N/A

4. Professional service - local, state, national, international

AAFS Standards Board (ASB) Wildlife Forensics Consensus Body – 2016 - present

Organization of Scientific Area Committees (OSAC), Biology Section, Wildlife Forensics Subcommittee – 2015 – present

Scientific Advisory Board, State of Virginia, Member – 2010 – 2015

Scientific Working Group on DNA Analysis Methods (SWGDAM, FBI) Member, 2003 – present

Chairman, Missing Persons/Mass Disaster Subcommittee – 2007 – 2013

FBI CODIS Development Committee, Member – 2001 – 2007

Texas Crime Laboratory Director's Association, Member – 2005 – present

Southwest Working Group on DNA Analysis Methods, Chairman – 1995-97

5. Community service/involvement

Boy Scouts of America, Longhorn Council, Texas

District Commissioner, 2002 – 2006 Cub Scout Den Leader, 2002 – 2006 Scoutmaster T321, 2005 – 2009 Troop Committee, 2009 – 2012 Venture Crew Advisor, Crew 321, 2012 – 2014

Of note: Of 14 boys who started in my Cub Scout Den in 2002, 7 earned their Eagle Scout Award. The National Average is 0.6%.

6. Consultant services

I have not conducted any independent consultation work since 2001 due to my position as Associate Director of the Center for Human Identification I feel that fee for service consultation to other law enforcement agencies would constitute a conflict of interest.

VII. Scholarly activity

1. Grants and contracts – funded

US Dept. of Justice. National Institute of Justice. Award No. 2016-DN-BX-K001. Evaluation and Implementation of High Throughput Second Generation Sequencing Technologies for Mitochondrial DNA Testing in Missing Persons and Forensic Casework at the UNT Center for Human Identification. FY 2016 Role: PI Award Amount: \$727,072

- **U.S. Dept. of Justice. National Institute of Justice.** Award No. 2015-DN-BX-K239. Development of PCR-Free DNA Typing Strategies via Real-Time High Throughput Sequencing. 2016-2017. Role: PI Award Amount: \$ 719,633
- **U.S. Dept. of Justice. National Institute of Justice.** Award No. 2015-DN-BX-K070. Using DNA Technology to Identify the Missing 2015-2017. Role: Co-PI Award Amount: \$2,238,750
- **U.S. Dept. of Justice. National Institute of Justice.** Award No. 2011-MU-BX-K063. Management and Support of the National Missing and Unidentified Persons System (NamUs) 2015-2017. Role: Co-PI Award Amount: \$5,866,325

Intramural Research, UNTHSC. 2014 Project RI6109: Nuclear-Mitochondrial OXPHOS Genes: Admixture Effect on Coevolved Metabolic Systems.2014-2015. Role PI Award amount: \$22,287

U.S. Dept. of Justice. National Institute of Justice. Award No. 2010-DN-BX-K239. Comprehensive Training Program in Forensic DNA Interpretation and Statistics. 2010-2012. Role: PI Award amount: \$999,481

Ibis Biosciences, Inc. (subcontract on JFBI08257) Validation of SNP panels on Ibis T5000. 2010-2012 Role: PI Award amount: \$232,201

HealthPoint LLC. Investigating survival of allogenic cells in excisional acute cutaneous wounds. 2010-11. Role: PI Award amount: \$18,853

Bond University Limited/US Department of Defense. Phenotypic Information from Crime Scene. 2009-2010. Role: Co-PI Award amount: \$209,611

U.S. Dept. of Justice. National Institute of Justice. Award No. 2009-DN-BX-K188. Improved Tools and Interpretation Guidelines for Examining Limited Low Copy Number DNA Obtained from Degraded Single Source Samples: Bones, Teeth, and Hair. 2009-2011. Role: Co-PI Award amount: \$935,992

U.S. Dept. of Justice. National Institute of Justice. Award No. 2009-DN-BX-K171. Development of an Expert System for Automated Forensic mtDNA Data Analysis. 2009-2011. Role: Co-PI Award amount: \$265,393

U.S. Dept. of Justice. National Institute of Justice. Award No. 2008-DN-BX-K192. FY 2008 Forensic DNA Unit Efficiency Improvement. 2008-2010. Role: Co-PI Award amount: \$601,632

TCOM Intramural Grant, UNTHSC. Genetic and Psychosocial Predictors or Response to OMT in Low Back Pain. Award No. G64001. 2008-2009. Role: PI Award amount: \$25,000

U.S. Dept. of Justice. National Institute of Justice. Award No. 2007-IJ-CX-K234. Missing Persons Training for Law Enforcement Agencies. 2007-2008. Role Co- PI Award amount: \$800,000

National Institute of Justice. Award No. 2006-DN-BX-K056. Forensic Casework Backlog Reduction Program for the University of North Texas Health Science Center. 2006-2007. Role: Co-PI Award Amount: \$155,314

National Institute of Justice. Award No. 2006-DN-BX-K129. Developing of Improved Capacity for the University of North Texas Health Science Center's DNA Identity Laboratory 2006-2009. Role: Co-PI Award Amount: \$819,081

National Institute of Justice. Field test of current technology used in the identification of unidentified remains. Grant Award # 2004-DN-BX-K214, Role: PI Award Amount: \$325,111

Faculty Research Grant, UNT-HSC. Topic: Development of a virtual array assay for Y chromosome polymorphisms. FY 2003 Role: PI Award Amount: \$25,000

Federal Bureau of Investigation. Development and validation of a virtual array typing system for mitochondrial DNA polymorphisms. Role: PI FBI Contract # JFBI02133 9/29/02-9/28/04 Award Amount: \$412,500

Alzheimer's Disease Research Grant, UNT-HSC. Alzheimer's Disease screening via automated genetic arrays. FY 2002 Role: Co-PI Award Amount: \$25,000

2. Grants and contracts - pending

None at present

3. Grants and contracts - not funded

National Institute of Justice. Development and Validation of PCR-Free DNA Typing Strategies via Real-Time High Throughput Sequencing. FY 2013 Role: PI Funding requested: \$996,957

National Institute on Aging. Nuclear-Mitochondrial OXPHOS Genes: Admixture and Coevolved Metabolic Systems. FY 2013. Role: PI Funding requested: \$398,750

UTSW CTM Translational Pilot Program. Novel circulatory microRNAs as biomarkers for Alzheimer's disease in Mexican Americans. FY 2014 Role: PI Funding request: \$64,000

IADRR Pilot Grant. Nuclear-Mitochondrial OXPHOS Genes: Admixture effect on coevolved metabolic systems. FY 2014 Role: PI Funding request: \$33,496

Alzheimers Association. Deep Sequencing Circulating miRNAs for Novel Biomarkers in Alzheimer's. FY 2013. Role: Co-PI Funding requested: \$249,875

National Institute of Justice. Evaluation of Composite Genotyping Strategies via Deep Sequencing. FY 2012 Role: PI Funding requested: \$904,170

National Institute of Justice. Enhanced Microsatellite Analysis: Evaluating Regulation of Stepwise Mutation Mechanism by Interrupted Repeat Motifs. FY 2011 Role: PI Funding requested: \$697,984

National Institute of Justice. Development and Evaluation of an Expanded STR Panel for Relationship Testing. FY 2011 Role: PI Funding requested: \$998,481

National Institute of Justice. Development and Validation of a Relationship Testing Super Panel. FY 2010 Role: PI Funding requested: \$3,412,302

National Institute of Justice. Implementation of Rapid SNP and STR Typing Strategies Using Mass Spectrometry for Forensic Testing Applications. FY 2009 Role: PI Funding requested: \$986,072

American Heart Association. Genomic variations of atherosclerotic inflammatory markers by race/ethnicity. FY 2009 Role Co-PI Funding requested: \$112,860

National Center for Complementary and Alternative Medicine. Multifactorial Study of Response to Spinal Manipulation for Chronic Low Back Pain. FY 2008 Role Co-PI Funding requested: \$1,800,000

NIEHS: Environmental Health Sciences. A Comprehensive Assessment of Background Benzene. FY2009 Role Co-PI Funding requested: \$3,573,938

National Institute of Justice. Evaluation of DNA Repair Systems for Compromised Samples and Unidentified Remains Samples. FY 2007 Role: PI Funding requested: \$322,525

4. Invited seminars

a. Local and state

Planz, J.V. 2010. The UNT Center for Human Identification and the use of genetic data for the identification of Missing persons and unidentified decedents. New York State CODIS Users Meeting. June 2, 2010. Albany NY. Invited speaker

- Planz, J. V. 2006. Advances in Forensic DNA Analysis. Mid-Cities Technical Club, College of Engineering, University of Texas at Arlington. September 20, 2006. Arlington, TX Invited speaker
- Planz, J. V. 2001. Mitochondrial DNA as a Human identification tool. Texas Criminal Defense Council Association Workshop, April 5, 2001, La Quinta Conference Center, Arlington, TX. Invited speaker
- Planz, J. V. 2001. Calculation of mixture statistics. Tarrant County District Attorney's Workshop, Fort Worth, TX. Invited speaker
- Planz, J.V. 2000. Advances in forensic DNA Technology. Oklahoma District Attorney's Conference. Bartlesville, OK Invited speaker

b. National

- Planz, J.V. 2010. Criteria for the Selection and Collection of the Most Appropriate Family Reference Samples, A Primer on Human Pedigree Analysis. UNTHSC-NIJ Missing Persons and Unidentified Remains Workshop. April 19-21, 2010. Ft. Lauderdale, CA. Invited speaker
- Planz, J.V. 2010. Analysis and implications of SNP distributions within STR loci. Forensic SNP Technology Transfer Workshop. National Institute of Justice, April 29-30, 2010 Carlsbad, CA. Invited speaker
- Planz, J. V. 2009. NIJ Technology Transition Workshop. Enhanced Resolution and Statistical Power through SNP Distributions within the Short Tandem Repeats. Carlsbad, CA February 11, 2009 Invited speaker
- Planz, J.V. 2009. Analysis and implications of SNP distributions within STR loci. Forensic SNP Technology Transfer Workshop. National Institute of Justice, Nov 2-4, 2009. Ft. Worth, TX. Invited speaker
- Planz, J. V. 2008. Relationship Testing-The Big Picture: Familial Genetics and Pedigree Analysis. Leadership Training and Technical Advances in Human Identification, Applied Biosystems and Federal Bureau of Investigation. September 24, 2008. Boston, MA. Invited speaker
- Planz, J.V. 2004. Texas Missing Persons DNA Database Program Update. FBI Laboratory's 10th CODIS User's Conference, November 15-18, 2004, Arlington, VA Invited speaker
- Planz, J. V. 2004. Texas Missing Persons DNA Database Program. New York State Police and SUNY-Albany, November 9, 2004, Rensselaer, NY Invited speaker
- Planz, J. V. 2004. Different Technologies for SNP identification: Thoughts on Alternative typing methods for mitochondrial DNA. FBI Community Forum on Mitochondrial DNA Testing (held in conjunction with the 54th Annual Meeting of the American Academy of Forensic Sciences, February 16, 2004, Dallas TX). Invited speaker
- Planz, J. V. 2002. SNPs, Chips and Microspheres: Alternative typing methods for mitochondrial DNA polymorphisms for forensic testing. FBI Community Forum on

Mitochondrial DNA Testing (held in conjunction with the 53rd Annual Meeting of the American Academy of Forensic Sciences, February 11, 2002, Atlanta, GA). Invited speaker

Planz, J. V. 2001. SNPs, Chips and Microspheres: Future trends in forensic genetics. American Prosecutors Research Institute Workshop, April 17-20, 2001, New Orleans LA. Invited speaker

c. International

Planz, J.V. 2010. Abbott Molecular Symposium. Enhanced Resolution and Statistical Power through SNP Distributions within the Short Tandem Repeats. Australia New Zealand Forensic Society Symposium, September 8, 2010, Sydney, Australia. Invited Speaker

Planz, J.V. 2009. 6th Annual Forensic DNA Technology Conference. Implementation of Missing Persons Programs: Considerations and Challenges. September 23-24, 2009. Toronto, Canada Invited Speaker

Planz, J.V. 2009. DNA and the Missing: Practice, Progress, and Perspectives. Implementation of Missing Persons Programs: Considerations and Challenges. International Society for Forensic Genetics, 23rd World Congress, September 15, 2009, Buenos Aires, Argentina. Invited Speaker

Planz, J.V. 2009. Abbott Molecular Satellite Symposium. Enhanced Resolution and Statistical Power through SNP Distributions within the Short Tandem Repeats. International Society for Forensic Genetics, 23rd World Congress, September 17, 2009, Buenos Aires, Argentina. Invited Speaker

5. Publications

a. Full-length papers - published

Zascavage, R.R., S.J. Shewale, and J. V. Planz. 2013. Deep-sequencing technologies and potential applications in forensic DNA testing. Forensic Science Review; 25:1-28.

Dickerson, J.E., J.V. Planz, B.T. Reece, K. A. Weedon, S. D. Kirkpatrick, H.B. Slade. 2013. Cell persistence of allogeneic keratinocytes and fibroblasts applied in a fibrin matrix to acute full thickness wounds. Cell Medicine, 4: 1-4.

Planz, J.V., K.A. Sannes-Lowery, D.D. Duncan, S. Manalili, B. Budowle, R. Chakraborty, S.A. Hofstadler, T.A. Hall. 2012. Automated Analysis of Sequence Polymorphism in STR Alleles by PCR and Direct Electrospray Ionization Mass Spectrometry. Forensic Sci. Int. Genet. 6: 594–606

Planz, J.V., Hall, T.A. 2012. Hidden variation in microsatellite loci: Utility and implications for forensic DNA analysis. Forensic Science Review; 24:27-42.

Duncan, D.D., J.V. Planz, S.A. Hofstadler, T.A. Hall. 2011. Developmental validation

- of a fully automated genotyping assay capable of detecting length and sequence variation in the CODIS STR loci. Forensic Sci. Int. Genet., Supplement Series; 3: e259-260
- Hall, T.A., C.V. Marzan, S.D. Kirkpatrick, J.V. Planz, S.A. Hofstadler. 2011. Human autosomal SNP profiling using fully automated electrospray ionization time of flight mass spectrometry. Forensic Sci. Int. Genet., Supplement Series; 3: e449-450
- Duncan, D.D., K.M. Boles, J.V. Planz, S.A. Hofstadler, T.A. Hall. 2011. Development of a genotyping assay for the UK, European, and CODIS core STR loci identifying length and sequence variation in the target loci. Forensic Sci. Int. Genet., Supplement Series; 3: e267-268
- Ge, J., B. Budowle, J.V. Planz, A.J. Eisenberg, J. Ballantyne and R. Chakraborty. 2010. US forensic Y-Chromosome short tandem repeats database. Legal Med. 12:289-295
- Aranda X.G., R.S. Moura-Neto, A.A. Al-Deib, A.I. Aboud, J.V. Planz, A.J. Eisenberg, and R. Silva. 2010. Genetic data for D1S1677, D2S441, D4S2364, D10S1248, D14S1234 and D22S1045 miniSTR loci from Libya. Forensic Sci. Int. Genet. 4:267-8.
- Ge, J., B. Budowle, J.V. Planz and R. Chakraborty. 2009. Haplotype block: a new type of forensic DNA markers. Int. J. Legal Med., doi:10.1007/s00414-009-0400-5 *Online*
- Planz, J.V., B. Budowle, T. Hall, A.J. Eisenberg, K. A. Sannes-Lowery, and S.A. Hofstadler. 2009. Enhancing resolution and statistical power by utilizing mass spectrometry for detecting SNPs within the short tandem repeats. Forensic Sci. Int. Gen. Suppl. (2), 529-531
- Budowle, B., A.J. Eisenberg, S. Gonzalez, J.V. Planz, , K. A. Sannes-Lowery, T. Hall, J.E. Paulsen, and S.A. Hofstadler. 2009. Validation of mass spectrometry analysis of mitochondrial DNA. Forensic Sci. Int. Gen. Suppl. (2), 527-528.
- Hofstadler, S.A., T. Hall, K. A. Sannes-Lowery, S. Manalili, J.E. Paulsen, L.D. McCurdy, L. Gioeni, T. Penella, A.J. Eisenberg, J.V. Planz, and B. Budowle. 2009. Analysis of DNA forensic markers using high throughput mass spectrometry. Forensic Sci. Int. Gen. Suppl. (2), 524-526.
- Roby, R.K., S.D. Gonzalez, N.R. Phillips, J.V. Planz, J.L. Thomas, J.A. Pantoja Astudillo, J. Ge, E.A. Morales, A.J. Eisenberg, R. Chakraborty, P. Bustos, and Bruce Budowle. 2009. Autosomal STR allele frequencies and Y-STR and mtDNA haplotypes in Chilean sample populations. Forensic Sci. Int. Gene. Suppl. (2), 532-533.
- Ge J., B. Budowle, X.G. Aranda, J.V. Planz, A.J. Eisenberg and R. Chakraborty. 2009. Mutation Rates at Y Chromosome Short Tandem Repeats in Texas Populations. Forensic Science International: Genetics 3:179-184. Budowle, B., Ge, J., Aranda, X.G., Planz, J.V., Eisenberg, A.J., and R. Chakraborty. 2009. Texas Population Substructure and Its Impact on Estimating the Rarity of Y STR Haplotypes from DNA Evidence. Journal of Forensic Sciences. 54(5):1016-1021.

Budowle, B., X. G. Aranda, R. E. Lagace, L. K. Hennessy, J. V. Planz, M. Rodriguez, and A. J. Eisenberg. 2008. Null allele sequence structure at the DYS448 locus and implications for profile interpretation. Intl. J. Legal Med. 122:421-427.

Budowle, B., J.V. Planz, R. Chakraborty, T.F. Callaghan, and A.J. Eisenberg, 2006. Clarification of statistical issues related to the operation of CODIS. Proceedings of the Seventeenth International Symposium on Human Identification, Promega Corporation, Madison, Wisconsin,

http://www.promega.com/ussymp17proc/default.htm.

Eisenberg, A. J., X. G. Aranda, and J. V. Planz. 2006. Evaluation of the AmpF/STR[®] MiniFiler™ PCR Amplification Kit for Use with Compromised DNA Samples. Applied Biosystems Forensic News, 3: 1-6.

Eisenberg, A. J. and J. V. Planz. 2005. Missing Persons: A Mass Disaster over Time. Applied Biosystems Forensic News, 2: 1-4.

Budowle, B, J. V. Planz, R. Campbell, and A.J. Eisenberg. 2004. SNPs and Microarray Technology in Forensic Genetics: Development and Application to Mitochondrial DNA. Forensic Science Review, 16(1):21-26

Planz, J. V., V. Fish, J. M. Rader, M. DuPont, J. E. Warren, P. Gill, and R. C. Giles. 1997. Development and validation of a GBA $^{\text{TM}}$ - based mtDNA sequence evaluation system for forensic testing. Proceedings of the Eighth International Symposium on Human Identification.

Planz, J. V., T. A. Spradling, E. G. Zimmerman, and D. R. Akins. 1996. Molecular phylogeny of the *albigula* Complex of the *Neotoma floridana* Species-Group of Woodrats in the southwestern United States. Journal of Mammalogy, 77(2):519-535.

Planz, J. V. and G. L. Kirkland, Jr. 1993. Use of woody ground litter as a substrate for travel by the white-footed mouse (*Peromyscus leucopus*). Canadian Field-Naturalist, 106(1):118-121.

DeWalt, T. S., E. G. Zimmerman, and J. V. Planz. 1993. Mitochondrial DNA phylogeny of species of the *truei* and *boylii* groups of the genus *Peromyscus*. Journal of Mammalogy, 74(2):352-362.

McAllister, C. T., S. J. Upton, J. V. Planz, and T. S. DeWalt. 1991. New host and locality records of Coccidia (Apicomplexa: Eimeriidae) from rodents in the southwestern and western United States. Journal of Parasitology, 77(6):1016-1019.

Zimmerman, E. G., D. R. Akins, J. V. Planz, and M. J. Schurr. 1988. A rapid procedure for isolating mitochondrial DNA. Gene Analysis Techniques, 5:102-104.

Kirkland, G. L., Jr., A. M. Wilkinson, J. V. Planz, and J. E. Maldonado. 1987. *Sorex* (*Microsorex*) hoyi in Pennsylvania. Journal of Mammalogy, 68:384-387.

b. Full-length papers - in press

N/A

c. Full-length papers – submitted (please provide a copy)

N/A

d. Chapters, reviews, books

Planz, J.V., Hall, T.A. 2014. Hidden variation in microsatellite loci: Utility and implications for forensic DNA analysis. Pp.199 – 220 in Forensic DNA Analysis: Current Practices and Emerging Technologies (J.G. Shewale and R.H. Liu, eds.). CRC Press, Boca Raton, FL USA

Zascavage, R.R., S.J. Shewale, and J. V. Planz. 2014. Deep-sequencing technologies and potential applications in forensic DNA testing. Pp.331 – 348 in Forensic DNA Analysis: Current Practices and Emerging Technologies (J.G. Shewale and R.H. Liu, eds.). CRC Press, Boca Raton, FL USA

Budowle, B., J.V. Planz, R. Campbell, and A.J. Eisenberg. 2010. Molecular diagnostics applications in forensic science. Ch. 26, Pp.393-406 in Molecular Diagnostics, 2nd Ed. (G.P. Patrinos and W. J. Ansorge, eds.) Elsevier Academic Press, San Diego, CA USA

Planz, J. V. 1999. Arizona Woodrat / Neotoma devia. Pp. 600 – 601, in The Smithsonian Book of North American Mammals (D.E. Wilson and S. Ruff, eds.). Smithsonian Institution Press, Washington, D.C., 750 pp.

Planz, J. V. 1999. Northern Rock Mouse / *Peromyscus nasutus*. Pp. 578 - 579, in The Smithsonian Book of North American Mammals (D.E. Wilson and S. Ruff, eds.). Smithsonian Institution Press, Washington, D.C., 750 pp.

e. Abstracts N/A

6. Presentations at professional and/or scientific meetings (list only those presentations not listed as a published abstract), RAD

Planz, J.V. 2010. Criteria for the Selection and Collection of the Most Appropriate Family Reference Samples, A Primer on Human Pedigree Analysis. National CODIS Conference, November 16, 2010, Salt Lake City, UT.

Planz, J.V., B. Budowle, T.A. Hall, A.J. Eisenberg, K.A. Sannes-Lowerey, and S.A. Hofstadler. 2009. Enhancing Resolution and Statistical Power by utilizing mass spectrometry for detection of SNPs within the Short Tandem Repeats. International Society for Forensic Genetics, 23rd World Congress, September 15-18, 2009, Buenos Aires, Argentina (Poster presentation)

Gonzalez, S.D., R.K. Roby, N.R. Phillips, J.V. Planz, J.L. Thomas, J.A. Pantoja Astudillo, J. Ge, E.A. Morales, A.J. Eisenberg, R. Chakraborty, P. Bustos, and Bruce Budowle. 2009. Autosomal STR allele frequencies and Y-STR and mtDNA haplotypes in Chilean sample populations. International Society for Forensic Genetics, 23rd World Congress, September 15-18, 2009, Buenos Aires, Argentina (Poster presentation)

- Planz, J. V. 2008. Validation Theory and It's Effect on the Interpretation of DNA Mixtures. 19th International Symposium on Human Identification, October 15, 2008. Hollywood, CA
- Planz, John. V., A. J. Eisenberg, B. Budowle. 2007. Significance of kinship statistics and their interpretational implications in familial searches. 18th International Symposium on Human Identification, October 3, 2007. Hollywood, CA
- Planz, J. V. and B. Budowle 2007. Validation Theory, Interpretation and Statistical Analysis of DNA Mixtures. American Academy of Forensic Sciences, 59th Annual Meeting, San Antonio, TX Feb 19-24, 2007.
- Planz, J. V. 2006. Evaluation of the DNA IQ[™] Casework Sample Kit for the Maxwell[®] 16. 17th International Symposium on Human Identification, October 11, 2006. Nashville, TN
- Budowle, B. J. V. Planz, and A.J. Eisenberg. 2006. CODIS Hits and Match Probabilities. 17th International Symposium on Human Identification, October 12, 2006. Nashville, TN
- Plopper, F. J., R. R. Roby, J. V. Planz, and A. J. Eisenberg. 2006. High Throughput Processing of Family reference Samples for Missing Persons Programs: The Use of Robotics in Extraction and Amplification Setup for STR and mtDNA Analysis. 17th International Symposium on Human Identification, October 11, 2006, Nashville, TN
- Warren, J.E., J. V. Planz, and A. J. Eisenberg. 2005. Education of the Forensic DNA Analyst in the 21st Century. 57th Annual Meeting of the American Academy of Forensic Sciences, February 23, 2005, New Orleans, LA
- Shaffer, S. D., C. Capt, T. Wang, and J. V. Planz. 2003. Evaluation of the least square deconvolution approach in interpreting DNA mixtures. Poster Presentation. Fourteenth International Symposium on Human Identification, September 29, 2003, Phoenix, AZ.
- Hybki, D. A. E. Eisenberg, and J.V. Planz. 2003. Evaluation of Applied BioSystems RT-PCR quantification assays. Poster Presentation. Fourteenth International Symposium on Human Identification, September 29, 2003, Phoenix, AZ.
- Moore, M., R.K. Roby, A.J. Eisenberg, and J.V. Planz. 2003. Validation of the gold-plated silver sample block on the GeneAmp® PCR system 9700 thermal cycler. Poster Presentation. Fourteenth International Symposium on Human Identification, September 29, 2003, Phoenix, AZ.
- Planz, J. V., A. J. Eisenberg, R. Campbell and Felicia Aron. 2001. SNPs, Chips and Microspheres: Rapid screening methods for mtDNA and Y-chromosome polymorphisms for forensic testing. Twelfth International Symposium on Human Identification, October 9 12, 2001, Biloxi, MS.
- Eisenberg, A. J., P. Marshall, R. Campbell, J. V. Planz, A. Smuts, W. Chapman, S. Lee and L. Klevan. 2001. Development of a spermatozoa capture system for the differential extraction of sexual assault evidence. Twelfth International Symposium on Human Identification, October 9-12, 2001, Biloxi, MS.

- Planz, J. V., P. Pogue, A. Smuts and M. Castro. 1999. Diversity of microsatellite loci and mitochondrial DNA haplotypes in a population from the Peruvian Andes. American Academy of Forensic Sciences, 51st Annual Meeting, Orlando, FL.
- Planz, J. V., P. Pogue, A. Smuts and M. Castro. 1998. Diversity of microsatellite loci and mitochondrial DNA haplotypes in a population from the Peruvian Andes. Ninth International Symposium on Human Identification, Orlando, FL.
- Pogue, P., A. Smuts, R. Chen, M. Castro and J. V. Planz. 1998. Evaluation of mitochondrial DNA amplification employing the FastTypeTM mtDNA amplification system. Ninth International Symposium on Human Identification, Orlando, FL.
- Watson, W. J., R. C. Giles, J. V. Planz, J. M. Rader and R. C. Benjamin. 1998. The generation of a simulated database using Genetic Bit Analysis. American Academy of Forensic Sciences, 50th Annual Meeting, San Francisco, CA.
- Planz, J. V., V. Fish, J. M. Rader, M. DuPont, J. E. Warren, P. Gill, and R. C. Giles. 1997. Development and validation of a GBATM based mtDNA sequence evaluation system for forensic testing. Eighth International Symposium on Human Identification. Scottsdale, AZ.
- Planz, J. V., J. M. Rader, and M. W. DuPont. 1997. Analysis of single nucleotide polymorphisms using Genetic Bit Analysis with applications to mammalian Genetics, Conservation and Species Identification. American Society of Mammalogists, 77th Annual Meeting, Stillwater, OK.
- Giles, R. C., J. M. Rader, M. W. DuPont, T. McIntosh, J. V. Planz, M. Pohl an M. T. Boyce-Jacino. 1997. The use of Genetic Bit Analysis in Human Identity Testing. Eighth International Symposium on Human Identification. Scottsdale, AZ.
- Warren, J. E., A. V. Eisenberg, J. V. Planz, R. C. Benjamin, and P. Hartman. 1996. The effects of various environmental insults on the amplification of human mitochondrial DNA. Seventh International Symposium on Human Identification. Scottsdale, AZ.
- Planz, J. V. and E. G. Zimmerman. 1992. Molecular phylogeny and evolution of the American woodrats, Genus Neotoma (Muridae). American Society of Mammalogists, 72nd Annual Meeting, Salt Lake City, UT.
- Planz, J. V., T. S. Spradling, and E. G. Zimmerman. 1991. Phylogenetic analysis of mtDNA variation in the Neotoma lepida species-group or What is a Desert Woodrat? American Society of Mammalogists, 71st Annual Meeting, Manhattan, KS.
- Planz, J. V. 1990. Molecular phylogenetics of the albigula complex of the Neotoma floridana species group of woodrats. Southwestern Association of Naturalists Annual Meeting, Denton, TX.
- Planz, J. V. 1990. Maximum Likelihood Analysis of the albigula Complex of the Neotoma floridana species group of woodrats. Texas Society of Mammalogists, 8th Annual Meeting, Junction, TX.

7. Continuing education

In 2012, Online and Onsite training was provided to participants in the NIJ funded Comprehensive Training Program in Forensic DNA Interpretation and Statistics. This program provided 40 hours of continuing education to 140 crime laboratory personnel nationwide and is now available as a self directed training program on the NIJ training site and on our own Online training site: http://web.unthsc.edu/info/200210/molecular and medical genetics/2842/online training.

8. Professional scholarly activities

a. Journal reviewer for....

Nature
Nature Reports
Forensic Science International: Genetics
Forensic Science Review
Texas Journal of Science
Journal of Forensic Science
European Journal of Legal Medicine
Investigative Genetics

b. Grant reviewer for....

National Institute of Justice National Science Foundation

c. Book reviewer for....

CRC Press

d. Scientific session reviewer for....

American Academy of Forensic Science International Symposium on Human Identification

e. Abstract reviewer for

American Academy of Forensic Science International Symposium on Human Identification

f. Educational/Scientific Consultant for....

Federal Bureau of Investigation

National Institute of Justice Royal Canadian Mounted Police State of Virginia State of New York State of Georgia

g. Scholarly activities (work-in-progress)

Serve on the Editorial Board for:

Nature Methods Journal of Forensic Investigation Annals of Forensic Research and Analysis

h. Organizer of Scientific/Medical/Educational meeting or symposia

2012-13 Organized and Developed Online training program in DNA Interpretation and Statistics held online and onsite at UNTHSC described in Item 7 above.

VIII. Professional societies

Note: Memberships prior to 1995 not reported as I transitioned out of research and into the forensic services field.

1. Memberships

American Association of Blood Banks
American Academy of Forensic Sciences
Association of Forensic DNA Analysts and Administrators (AFDAA)
International Society for Forensic Genetics
Texas Crime Laboratory Director's Association
Society for Molecular Biology and Evolution
American Society for Human Genetics
Society for the Study of Evolution

2. Offices held

Chairperson, AFDAA, 1995-1997

3. Activities involvement (national, state, local) N/A

4. Supportive documentation

a. Teaching

1. Evaluation of quality - peer reviews

N/A

2. Evaluation of quality – student evaluations

Course and faculty evaluations from 2012-2016

Alan L. Podawiltz, D.O., M.S., FAPA

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E-Mail alan.podawiltz@unthsc.edu or apodawil@jpshealth.org

EDUCATION

Undergraduate

- University of Oregon, Eugene Oregon, Bachelor of Science in Political Science, Secondary Emphasis: Public Affairs, Community Development, and Community Services. August 1978
- Rose State College, Midwest City, Oklahoma, A.E.T., Electronic Technologies (Robotics). June 1987

Graduate

 University of Oregon, Eugene, Oregon, Masters of Science in Curriculum and Instruction, Secondary Emphasis: Organizational Development, Group Process, Thesis: Decision Making. June 1981

Medical

 Doctor of Osteopathy, Oklahoma State University, Tulsa, Oklahoma, College of Osteopathic Medicine, May 20, 1995

Residency

- Psychiatric Resident Internship, Portland, Oregon, Department of Psychiatry, Oregon Health Sciences University, July 1, 1995 June 30, 1996.
- General Psychiatric Residency, Lubbock, Texas, Department of Neuropsychiatry and Behavioral Sciences, Texas Tech University Health Sciences Center, July 1, 1996 June 30, 1999.

Post Graduate

 Clinical Research Fellow, Lubbock, Texas, Texas Tech University Health Sciences Center, January 2001 - December 2001.

Certification

- American Board of Psychiatry and Neurology, General Psychiatry, June 2004, MOC February 9, 2015-February 2025
- Texas State Board of Medical Examiners: K1900 (Active)
- Oregon State Board of Medical Examiners: 20027 (Inactive)
- Certificate of Completion from National Institutes of Health, Office of Human Subjects Research Protection of Human Research Subjects. Serial No.: 986509413

PROFESSIONAL EXPERIENCE

August 2016 – Present

Chair Department of Psychiatry & Behavioral Health, Acclaim Physician Group, Fort Worth, Texas.

September 2012 - Present

Chair & Associate Professor, Psychiatry & Behavioral Health, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas.

October 2005 - Present

Chair, Department of Psychiatry, JPS Health Network, Fort Worth, Texas.

September 2015 - August 2016

Executive Director, Mental Sciences Institute, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas

October 2005 – August 2012

Chair & Assistant Professor, Psychiatry & Behavioral Health, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas.

PROFESSIONAL EXPERIENCE (continued)

April 2009 - September 2009

Interim Vice President of Health Affairs, Texas College of Osteopathic Medicine, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas.

November 2008 - April 2009

Acting Dean, Texas College of Osteopathic Medicine, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas.

December 2004 - October 2005

Chair, Department of Psychiatry, North Texas Affiliated Medical Group, Fort Worth, Texas.

August 2003 - December 2004

Interim Chair, Department of Psychiatry, North Texas Affiliated Medical Group, Fort Worth, Texas.

August 2003 - October 2005

Interim Chair, Department of Psychiatry, University of North Texas Health Science Center, Texas College of Osteopathic Medicine, Fort Worth, Texas.

August 2003 – October 2005

Interim Chair, Department of Psychiatry, John Peter Smith Hospital, Fort Worth, Texas.

January 2002 - June 2003

Director of Residency Training, John Peter Smith Hospital Network, Department of Psychiatry, Fort Worth, Texas.

November 2001 - October 2005

Staff Psychiatrist, North Texas Affiliated Medical Group, Fort Worth, Texas.

July 1999 - December 2001

Director of Residency Training, Instructor, Department of Neuropsychiatry, Texas Tech University Health Sciences Center, Lubbock, Texas.

July 1999 – February 2002

Staff Psychiatrist, Assistant Instructor, Department of Neuropsychiatry, Texas Tech University Health Sciences Center, Lubbock, Texas.

July 1998 - June 1999

Psychiatric Chief Resident, Post Graduate Year Four, Department of Neuropsychiatry and Behavioral Sciences, Texas Tech University Health Sciences Center, Lubbock, Texas.

July 1996 - June 1999

Psychiatric Resident, Department of Neuropsychiatry and Behavioral Sciences, Texas Tech University Health Sciences Center, Lubbock, Texas.

July 1995 - June 1996

Psychiatric Resident, Post Graduate Year One, Department of Psychiatry, Oregon Health Sciences University, Portland, Oregon.

August 1991 - May 1995

Medical School, Oklahoma State University College of Osteopathic Medicine, Tulsa, Oklahoma.

January 1987 - August 1991

Training Specialist III, Oklahoma Department of Mental Health, Public Information, Prevention, and Human Resource Development Division, Oklahoma City, Oklahoma.

August 1984 - December 1986

Human Resource Development Education Coordinator, Oklahoma Department of Mental Health, Public Information, Prevention, and Human Resource Development Division, Oklahoma City, Oklahoma.

December 1978 - June 1981

Graduate Advisor, Wallace School of Community Service and Public Affairs, University of Oregon, Eugene, Oregon.

December 1977 - August 1978.

Division Head-Community Services, E.S.C.A.P.E. Field Studies Program, University of Oregon, Eugene, Oregon.

August 1973 - August 1975

Graphic Illustrator, Headquarters United States Army Europe, Office of the Deputy Chief of Staff Operations, Executive Division, Heidelberg, Germany.

January 1973 - August 1973

Clerk Typist, Headquarters United States Army Europe, Office of the Deputy Chief Staff Operations, Plans Division, Heidelberg, Germany.

HONORS & AWARDS

- 1. Top Docs, Psychiatry Category, Texas Monthly Magazine, April 2016
- 2. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2015
- 3. Top Docs, Psychiatry Category, Texas Monthly Magazine, April 2015
- 4. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2014
- 5. Top Docs, Psychiatry Category, Texas Monthly Magazine, April 2014
- 6. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2013
- 7. Top Docs, Psychiatry Category, Texas Monthly Magazine, April 2013
- 8. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2012
- 9. Top Docs, Psychiatry Category, Texas Monthly Magazine, April 2012
- 10. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2011
- 11. Top Docs, Psychiatry Category, Fort Worth Magazine, April 2011
- 12. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2010
- 13. Texas Higher Education Star Award presented to JAMP, THE Coordinating Board, November 2010
- 14. Top Docs, Psychiatry Category, Fort Worth Magazine, April 2010
- 15. Texas Super Doctors®, Psychiatry Category, Texas Monthly Magazine, December 2009
- 16. Top Docs, Psychiatry Category, Fort Worth Magazine, April 2009
- 17. Texas Super Doctors®, Psychiatry Category, Texas Magazine, December 2008
- 18. Top Docs, Psychiatry Category, Fort Worth Magazine, April 2008
- 19. Texas Super Doctors®, Psychiatry Category, Texas Magazine, December 2007
- 20. Tops Docs, Psychiatry Category, Fort Worth Magazine, April 2007
- 21. Texas Super Doctors®, Psychiatry Category, Texas Magazine, December 2006
- 22. American Psychiatric Association Fellow, December 2006
- 23. Tops Docs, Psychiatry Category, Fort Worth Magazine, April 2005
- 24. Mentor of the Year, Department of Psychiatry, Psychiatric Residents, John Peter Smith Hospital, June 2004
- 25. Certificate of Appreciation, Texas Medication Algorithm Project, April 1999
- 26. Recipient of the Psychiatric Resident of the Year Award presented by Pfizer U.S., May 13, 1999
- 27. Eli Lilly U.S. Psychiatric Congress Fellow, November 13, 1997
- 28. Recipient of The Psychiatry and Behavioral Sciences Department Award, Oklahoma State University College of Osteopathic Medicine, May 19, 1995
- 29. Dean's Award for Academic Excellence, Oklahoma State University, College of Osteopathic Medicine, December 1993
- 30. Class of 1995 Student Appreciation Award, Oklahoma State University College of Osteopathic Medicine, December 1991
- 31. Alpha Eta Alpha Chapter of the Phi Theta Kappa Honor Society at Rose State College, Midwest City, Oklahoma

TEACHING EXPERIENCE

1. UNTHSC-FW - Behavioral Science Content Coordinator 2002 - Present

A. Lectures or courses - Medical

- University of North Texas Health Science Center, Texas College of Osteopathic Medicine, Second Year Medical Students, Behavioral Science Instructor: Academic Years 2002 – Present
- University of North Texas Health Science Center, Texas College of Osteopathic Medicine, Third Year Medical Students, Psychiatry Rotations (Monthly Rotation Schedule)

B. Lectures or courses -- Physician Assistant

 University of North Texas Health Science Center, Texas College of Osteopathic Medicine, Second Year PA Students, Behavioral Health Course Instructor: Academic Years 2003 – 2005, 2013, 2014

C. Professional Presentations

- John Peter Smith Health Network Overview, MSII Orientation, July 2011
- Realities of Medical School, MSI Orientation, July 2010

TEACHING EXPERIENCE (continued)

- Difficult Patients "Ethical and Legal Considerations", JPS Psychiatry Grand Rounds, December 2006
- Realities of Being Married in Medical School, MSI Orientation, July 2005
- Antidepressants and Female Sexual Dysfunction, JPS Psychiatry Grand Rounds, February 2002

D. Supervision

Student Rotations -- Medical and/or PA

- 1. John Hartman, DO Student, (2011-2012) HOME Project
- 2. Elizabeth Rourke, DO Student, (2011-2012) HOME Project
- 3. Stephen Maher, DO Student, (2011-2012) HOME Project
- 4. Madeline Terillion, DO Student, (2010-2011) HOME Project
- 5. Campbell Garland, DO Student, (2010-2011) HOME Project
- 6. John Hartman, DO Student, (2010-2011) HOME Project
- 7. Christian Dean, DO Student, (2009-2010) HOME Project
- 8. Ghazaleh Moayedi, DO Student, (2009-2010) HOME Project
- 9. Amir Barzin, DO Student, (2009-2010) HOME Project
- 10. Kathryn White, DO Student, (2010-2011) Psychiatry Research Elective
- 11. Dustin Demoss, DO Student, (October 2008) Design-a-Case and Psychotherapy Introduction
- 12. Doug Segars, MPH/DO Student, (2006-2007) Committee Member
- 13. Paul Schnieder, DO Student, (2006-2007) Mentor

• Graduate Students -- Major Professor and/or Committee Member

- 1. Doug Segars, MPH/DO Student, Committee Member (2006-2007)
- 2. Atalie Rivera, Physician Assistant Student, Thesis Consultant (2005-2006)

2. Texas Tech University Health Sciences Center - Lubbock

A. Lectures or Courses – Medical

- Texas Tech University Health Sciences Center First Year Medical Students. Introduction to Neuropsychiatric Disorders – (3hrs) 1999-2000, 2000-2001
- Texas Tech University Health Sciences Center Second Year Medical Students. Substance Abuse Disorders – MS II (3hrs) 1999-2000, 2000-2001, Psychiatric Emergencies – MS II (2hrs) 1999-2000, 2000-2001, Sleep Disorders – MS II (1hr) 1999-2000
- Texas Tech University Health Sciences Center Sophomore interview Course. Academic Years 1998-1999, 1999-2000, 2000-2001
- Texas Tech University Health Sciences Center Third Year Medical Student Psychiatry Didactics. Eating Disorders – MS III, 1999-2000, 2000-2001, 2001-2002; Substance Abuse Disorders, 1999-2000, 2000-2001, 2001-2002
- Texas Tech University Health Sciences Center Medical School, Amarillo Third Year Medical Students. Substance Abuse Disorders, 1999-2000; Confidentiality, 1999-2000; Ethics, 1999-2000
- Texas Tech University Health Sciences Center Third Year Clinical Rotations, Oral Examiner 1999 – January 2002
- Texas Tech University Health Sciences Center Fourth Year Clinical Rotation Supervisor
- Psychiatry Rotation Coordinator, Third year Medical Students, Texas Tech University Health Sciences Center, Lubbock, Texas, July 2001 - December 2001

3. Psychiatry Residency Training

A. John Peter Smith Hospital, Psychiatric Residency Program

- John Peter Smith Hospital, Psychiatry Residency Program ACGME Residency Review Committee Site visit, August 2002
- John Peter Smith Hospital, Tarrant Count Hospital District, Department of Psychiatry Residency Training, Intro to Addictive Psychiatry, Working with the Aggressive Patient, Introduction to Psychotherapy, 1 hour each didactic week, Depressive Disorders, Psychotic Disorders, ECT Training, Spring 2002 – Present

TEACHING EXPERIENCE (continued)

- John Peter Smith Hospital, Psychiatry Residency Program Resident Supervision and Clinical Preceptor 4 Residents, 2002-Present
- John Peter Smith Hospital, Psychiatry Residency Program Resident Didactic and Education Schedule, 2002 present
- John Peter Smith Hospital, Psychiatry Residency Program Implemented Formal Mock Oral Program, May 2002 Present
- John Peter Smith Hospital, Psychiatry Residency Program Evaluation Criteria Development, Resident Evaluations by faculty; Resident Evaluations of faculty, Resident Evaluations of Rotations January; Global 360 degree evaluation of Residents January 2002
- John Peter Smith Hospital, Psychiatry Residency Program Revised Resident Goals and Objectives, January 2002 – present

B. Texas Tech University Health Sciences Center, Residency Training Program

- Texas Tech University Health Sciences Center Psychiatry Residency Program ACGME Residency Review Committee Site visit, October 2001
- Texas Tech University Health Sciences Center Resident Supervision and Clinical Preceptor; 5 Residents 2000-2001; 4 Residents 1999-2000
- Texas Tech University Health Sciences Center Psychiatry Resident Didactic and Education Schedule; 1999-2000, 2000-2001, 2001-2002
- Designed and Implemented Formal Mock Oral Program, May 2000
- Mock Oral for Psychiatry Residents 2000 2001
- Evaluation Criteria Development; Resident Evaluations by faculty 1999 2001; Resident Evaluations of faculty 1999 2001; Resident Evaluations of Rotations 1999 2001; Global 360 degree evaluation of Residents 1999 2001
- Revised Resident Goals and Objectives 1999 2001
- Neuropsychiatric Focused Didactic Schedule 1999 2001
- Preceptor for Masters Nursing Student, July 2000 December 2000

C. Resident Program Policy Development

- Preceptor Program Policy
- Call Responsibility Policy
- Vacation Policy
- Moonlighting Policy
- Revised Resident Rotation Goals and Objectives
- Member of the Internal Medicine Internal Review Committee
- Developed the 2000 Neuropsychiatry Internal Review Report
- Developed the Program Information Form for the 2001 Review of TTUHSC, Department of Neuropsychiatry, Psychiatric Residency Program

SERVICE

1. UNTHSC Committee Memberships

- UNTHSC Institutes, Executive Committee, August 2015-Present
- TCOM Executive Committee formerly TCOM Chairs Committee, UNTHSC, August 2003-Present
- TCOM Academy of Medical Educators, August 2010-Present
- Chair, Budget and Finance Committee, UNTHealth, September 2008-2012
- Director, Joint Admission Medical Program (JAMP), UNTHSC, TCOM, May 2003-Present
- TCOM Admissions Committee, UNTHSC, August 2002-Present
- Board of Directors, UNTHealth, October 2005-Present
- Leadership Development Institute, UNTHSC, November 2008-Present
- President's Council for Strategic Clinical Affairs, UNTHSC, August 2006-2012
- Resource Optimization Committee, UNTHSC, September 2005-Present
- Executive Team, UNTHSC, November 2008-August 2009
- Vice President, UNTHealth, November 2008-2009
- Council of Deans, UNTHSC, November 2008-2009

SERVICE (continued)

2. Professional Service -- Local, State, National, and International

- Chair Acclaim President Search Committee, Fort Worth Texas, January 2016
- Board of Directors, JAMP, State of Texas, August 2012-Present
- Chair, Board of Directors, JAMP, State of Texas, August 2009-August 2012
- Chairs Committee, John Peter Smith Hospital Network, August 2003-Present
- Board of Directors, JAMP, State of Texas, May 2003-Present
- Medical Practice Committee, John Peter Smith Hospital Network, August 2003-Present
- Medical Executive Committee, John Peter Smith Hospital Network, August 2003-Present
- FREW Advisory Council, November 2008-April 2011
- Mental Health Association of Tarrant County, Board Member 2003-2010
- Vice Chair, Board of Directors, JAMP, State of Texas, August 2007-August 2009
- Mental Health Connections, 2005-2009
- Peer Review Committee, North Texas Affiliated Medical Group, August 2003-October 2005
- Chairs Committee, North Texas Affiliated Medical Group, August 2003-October 2005
- Medical Education Committee, Member, John Peter Smith Hospital Network, January 2002-Present
- Graduate Medical Education Task Force, Liaison Committee on Medical Education (LCME), Texas Tech University Health Sciences Center, October 1999-December 2001
- GME Committee, Texas Tech University Health Sciences Center, July 1999-December 2001
- Physician Rehabilitation Committee, Texas Medical Association, September 1997-July 2000
- President, Medical Staff at Sunrise Canyon Hospital, September 2000-February 2001
- Sunrise Canyon Risk Management Committee, July 1998-February 2001
- Texas Medication Algorithm, Schizophrenic Research Project, December 1997-June 2000
- Residency Training Committee, Oregon Health Sciences Center, School of Medicine, Department of Psychiatry, August 1995-June 1996
- Curriculum and Revision Task Force, Oklahoma State University, College of Osteopathic Medicine (COM), July 1992-June 1993
- Class President, Class of 1995, Oklahoma State University, COM, July 1992-June 1993
- Student Senate, Undergraduate American Academy of Osteopathy, July 1992-June 1993
- President, Student's Osteopathic Surgery Association, Oklahoma State University, COM, December 1992- June 1993
- Administrator, Wilkinson Trust for the Oklahoma Department of Mental Health and Substance Abuse Services, June 1990-August 1991
- Trainer of the Trainers, Oklahoma AIDs Research and Education, September 1988-August 1991
- Arbitrator, Oklahoma City Branch of the Better Business Bureau, October 1987-December 1990
- Vice President, Alpha Eta Alpha Chapter of the Phi Theta Kappa Honor Society at Rose State College, Midwest City, Oklahoma, July 1985-June 1986

SCHOLARLY ACTIVITY

1. Research Support

Claassen (PI) 2008-2010

Timberlawn Psychiatric Research Foundation

When do Family Relationships Fail to Protect against Self-Harm during Suicidal Crisis? Role: Site PI

Cruser (PI) 2007-2009

Analysis of Emergency and Inpatient Psychiatric Services Utilization within the JPS Health Network

Role: Co-Investigator

Podawiltz (PI) 2012-2013

Texas Medical Research Collaborative

Treatment Alternatives for Depression: Determining the Prevalence of TRD (Treatment Resistant Depression) in a Sample Population.

Role: Site PI

Cruser (PI) 2006-2010

The Role of Residual Effects of Trauma in Serious Mental Illness

Role: Co-Investigator

Jones (PI) 2006-2010

UNTHSC Psychiatry and Behavioral Health Department

Animal Behavior under Chronic Stress Conditions

Role: Co-Principal Investigator

Lykens (PI) 2007-2010

Individual Factors of an Incarceration History Contributing to Frequent Psychiatric Emergency Service Utilization

Role: Co-Principal Investigator

Podawiltz (PI) 2007-2009

UNTHSC Obstetrics and Gynecology Department

Depressive Symptoms and Correlates among Perinatal Women

Role: Co-Principal Investigator

Podawiltz (PI) 2007-2009

Pfizer; A Six Week Double Blind Multicenter Placebo Controlled Study Evaluating the Efficacy and Safety of Flexible Doses of Oral Ziprasidone as add-on, adjunctive therapy with Lithium, Valproate or Lamotrigine in Bipolar 1 depression

Role: Principal Investigator

Podawiltz (PI) 2006-2008

Factors Affecting Length of Stay at the JPS Trinity Springs Pavilion Psychiatric Inpatient Unit Role: Principal Investigator

Podawiltz (PI) 2001-2002

Texas Technical University Health Sciences Center

Determining Treatment Needs and Outcomes for Forensic Psychiatry Outpatients

Role: Principal Investigator

Cruser (PI) 2001-2002

Hogg Foundation for Mental Health Services

Major goal of this study: Stress and Coping in Female Parolees with Mental Illness in Austin, TX

Role: Co-Investigator

Podawiltz (PI) 2001-2002

The 5HT7 Receptor: Site of Action of Antidepressant Drugs

Podawiltz (PI) 2001-2002

Religion and Depression and their relationship to Suicide

Podawiltz (PI) 2001-2002

Factors Associated with Missed First Appointments to a Psychiatric Clinic

F1D-MC-HGGU Weddige (PI)

1999-2001

Olanzapine versus Risperidone and Placebo in the Treatment of Psychosis and Associated Behavioral, Disturbances in Patients with Dementia

Role: Investigator

Rush, John (PI) 1997-1999

Texas Medical Algorithm Project (TMAP) Phase III, Schizophrenia Arm

Role: Site Co-Investigator

Podawiltz (PI) 1999

Gabapentin: It's Role in Treating Mood and Anxiety States in Persons Addictive Diseases

Podawiltz (Co-PI) 2007

UNTHSC Health Disparities Grant - Intramural Award Program

Health Access Disparities for Low-Income, Minority Perinatal Women at Risk for Depression Role: Co-Principal Investigator

2. Invited Seminars

A. Local and State

- 1. Camp Neuro
- 2. Train Your Brain
- 3. JPS Quality Measures for Recover, Psychiatry Grand Rounds, Fort Worth, Texas, May 2016
- 4. Integrating Behavioral Health, DSRIP, Learning Conference, Dallas, Texas, June 2015
- 5. Depression, Fort Worth Chapter of American Academy of Professional Coders, 5th Annual Cowtown Coding Conference, June 20, 2015
- 6. Psychiatric Health Disparities, Rural Health Workshop, Fort Worth, Texas, June 19, 2015
- 7. Integrating Behavioral Health, RHP9 and RHP10, Collaborative Learning Conference, Hurst, Texas, May 28, 2015
- 8. Depression, Fine Line Guest Speaker, Fort Worth Museum of Sciences, Fort Worth, Texas, Memorial Day May 25, 2015
- 9. American Board of Family Medicine Self-Assessment Module on Depression, Primary Care Summit, Fort Worth, May 1, 2015
- New Trends and Controversies, 25th Annual Phelam P. Staples Jr., MD Educational Symposium - Women's Health Care, October 19, 2013Depression – Appropriate Drugs for Great Results, 32nd Annual Dr. Stanley Weiss Primary Care Update, South Padre Island, Texas, June 29, 2013
- 11. Adult Attention Deficit Disorder, 32nd Annual Dr. Stanley Weiss Primary Care Update, South Padre Island, Texas, June 29, 2013
- 12. Suicide, TOMA/TxACOFP 6th Joint Annual Convention, Frisco, Texas, June 15, 2013
- 13. Vulnerable Populations: Research Studies in Mental Health Populations, JPS Research Day 2013 and the OHRP Research Community Forum, Fort Worth, Texas June 7, 2013
- 14. Update on Depression Diagnosis and Management in Primary Care, 27th Annual North Texas Family Medicine Update, UNTHSC, Fort Worth, Texas, April 19, 2013
- 15. Bipolar Disorder: Lessons for Rural Physicians: Adjunctive Interventions for Maintaining Remission, Grand Rounds, UNTHSC, Fort Worth, Texas, December 15, 2011
- 16. Addiction Medicine and Trauma, JPS Trauma Surgery Grand Rounds, JPS, Fort Worth, Texas, October, 17, 2011
- 17. Crisis Management in a Psychiatry Emergency Room, Center for Community Health Grand Rounds, UNTHSC, Fort Worth, Texas, Nov 15, 2007.
- 18. Interventions for Aggressive Behavior, (Grand Rounds-Via satellite feed), Presented to the Department of Internal Medicine, Texas Tech University Health Sciences Center, Lubbock, Amarillo, El Paso, Midland-Odessa, Texas, January 20, 2000.

B. National

- 1. Integrating Behavioral Health, VITAL 2015, America's Essential Hospitals, San Diego, California, June 25, 2015
- 2. Implementation of Notewriter in the Psychiatric Setting, Users Group Meeting, EPIC, Madison, Wisconsin, September 11, 2012
- 3. Diagnosing Bipolar Disorder: Signs and Symptoms (Psychlopedia Activity), Webinar Presentation, The Journal of Clinical Psychiatry, CME Institute, October 2011

- 4. A Review of Current Bipolar Disorder Treatment Guidelines (Psychlopedia Activity), Webinar Presentation, The Journal of Clinical Psychiatry, CME Institute, October 2011
- Major Depressive Disorder and Latinos, (Live Video and Webcast), Podawiltz A, Culpepper, L, March 14, 2009.
- 6. Practical Strategies for Diagnosing & Treating Depression in Women at Midlife and Beyond (Live Video and Webcast), www.depressionseries.com, May 23, 2007.
- 7. Psychiatric Aspects of Neurologic Disease (Symposium); Ed Lauterbach, M.D.; **Podawiltz, Alan L., D.O.**; American Psychiatric Association 2001 Annual Meeting, New Orleans, LA., May 9. 2001.
- 8. Assessing Problem Residents and Designing Remediation: Problems Facing Training Directors, M. Fitzgerald, M.D., J. Osterman, M.D., **A. Podawiltz, D.O.**, L. Andrews, M.D., Presented to AADPRT Annual Meeting, Seattle, Washington, March 3, 2001.
- Skills for Building and Leading Successful Teams (Six Hour Course); Cruser, des Anges, Ph.D.;
 Podawiltz, Alan L., D.O.; Veits, Harold R., M.D., American Psychiatric Association 1999
 Annual Meeting, Washington D.C., May 15-20, 1999.

C. International

- 1. Feasibility trial of the schizophrenia algorithm in TMAP. Tenth Biennial Winter Workshop on Schizophrenia, Davos, Switzerland, Miller, A.L., Chiles, J.A., Shores-Wilson, K., Biggs, M.M., **Podawiltz, A.**, Crimson, M.L., Shon, S., Mason, M., and Rush, A.J., February 5-11, 2000.
- Skills for Building and Leading Successful Teams (Six Hour Course); Cruser, des Anges, Ph.D.;
 Podawiltz, Alan L., D.O.; Veits, Harold R., M.D., American Psychiatric Association 1998
 Annual Meeting, Toronto, Canada, June 2, 1998.

3. Publications

A. Full-Length Papers

- Chronic psychological stress suppresses contact hypersensitivity: Potential roles of dysregulated cell trafficking and decreased IFN-γ production, 2014, <u>Brain, Behavior, and</u> Immunity
- Psychological Stress and the Cutaneous Immune Response: Roles of the HPA Axis and the Sympathetic Nervous System in Atopic Dermatitis and Psoriasis, Jessica M. F. Hall,1 des Anges Cruser, Alan Podawiltz, Diana I. Mummert, Harlan Jones, and Mark E. Mummert, <u>Dermatology Research and Practice</u>, Volume 2012, Article ID 403908, 11 pages
- What the Joint Admissions Medical Program (JAMP) Can do for Texas and Texas Physicians can to for JAMP, 2012, <u>Texas Medicine</u>
- 4. A motor vehicle collision involving a veteran: at teaching case from the joining forces teaching curriculum for medical students, 2012, Maryland Medicine
- des Anges Cruser, Sarah K. Brown, Jessica R. Ingram, Frank Papa, Alan L. Podawiltz, David Lee & Vesna Knox, (2012) Practitioner Research Literacy Skills in Undergraduate Medical Education: Thinking Globally, Acting Locally, <u>The Journal of the International</u> Association of Medical Science Educators 2012; 22(3S): 162-184
- 6. Mummert, D. and **Podawiltz, A.** (2010). Descent after a missed flight. <u>Current Psychiatry</u>. 9(11): 89-A.
- 7. **Podawiltz A**, Culpepper L. (2010). Family members of Hispanic military veterans: the risk of major depressive disorder. <u>Journal of Clinical Psychiatry</u>, 71(7):e16.
- 8. Cruser A, Brown SK, Ingram JR, **Podawiltz AL**, Dubin BD, Colston JS, Bulik RJ. Learning outcomes from a biomedical research course for second year osteopathic medical students. Osteopathic Medicine and Primary Care. 2010 July 08; 4: 4.
- 9. **Podawiltz A**, Culpepper L. (2010). Treatment-resistant depression in Hispanic patients. <u>Journal of Clinical Psychiatry</u>, 71(6):e12. Review.
- 10. **Podawiltz A**, Culpepper L. (2010). Psychotherapy for major depressive disorder in Latinos. <u>Journal of Clinical Psychiatry</u>, 71(5):e11. Review.
- 11. **Podawiltz A**, Culpepper L. (2010). Medical therapy for major depressive disorder in Latinos. <u>Journal of Clinical Psychiatry</u>, 71(4):e08. Review.

- 12. Dalley B, **Podawiltz A**, Castro R, Fallon K, Kott M, Rabek J, Richardson J, Thomson W, Ferry P, Mabry B, Hermesmeyer P, and Smith Q. (2009). The Joint Admission Medical Program: A Statewide Approach to Expanding Medical Education and Career Opportunities for Disadvantaged Students. Academic Medicine. 84 (10): 1373-1382.
- 13. Cruser dA, Dubin B, Brown SK, Bakken LL, Licciardone JC, **Podawiltz AL** and Bulik RJ. (2009) Biomedical research competencies for osteopathic medical students. <u>Osteopathic Medicine and Primary Care</u>. 3:10.
- 14. **Podawiltz**, **A**. (2009). Practical strategies for diagnosing and treating depression in women at midlife and beyond: chronic depression. J Clin Psychiatry. 70(1):e03. Review.
- 15. Nejtek VA, Avila M, Chen LA, Zielinski T, Djokovic M, **Podawiltz A**, Kaiser K, Bae S, Rush AJ (2008). Do atypical antipsychotics effectively treat co-occurring bipolar disorder and stimulant dependence? A randomized, double-blind trial. <u>J of Clin Psychiatry</u>. 69(8): 1257-66.
- 16. Clifford, PA, Cipher, DJ., Brown, RN, & **Podawiltz, AL** (2005). Depression an obstacle in treating older patients. American Medical News. April 4, 2005.
- Lauterbach, E. & Podawiltz, AL. (2001). Psychiatric Aspects of Neurologic Disease (Symposium). Paper presented at the American Psychiatric Association Annual Meeting, New Orleans, LA.
- 18. Cruser, dA, Robinette, J, & **Podawiltz, AL**. (1995). "But doctor, somebody has to do something." <u>Journal of the American Osteopathic Association</u>. 95(5).

B. Chapters and Books

- 1. Texas Medical Algorithm Project (TMAP), Procedure Manual, Schizophrenia Module, Physician Manual, Miller, A., Chiles, J.A., Chiles, J., Crismon, M.L., edited by Podawiltz, A.L., July, 1999.
- Controlling Aggression in the Detention Environment, 106 pages, May 1995. Policy and Procedures Manual for the Administration of Continuing Medical Education Units, Category I, from the Oklahoma Institute for Mental Health Education and Training, Oklahoma Department of Mental Health and Substance Abuse Services as granted by the Oklahoma State Medical Association, May 1990.
- 3. Case Management Certification Program, Psychopharmacology Chapter, 30 pages, Oklahoma Department of Mental Health and Substance Abuse Services, Contributor, December 1990.
- 4. Controlling Aggression in the Patient's Environment, 285 pages, Oklahoma Department of Mental Health and Substance Abuse Services, Editor and Contributor, November 1990.
- 5. The Law and Mental Health in Oklahoma, 240 pages, Oklahoma Department of Mental Health and Substance Abuse Services, Contributor, March 1988.
- 6. Mental Health Worker I, 360 pages, Oklahoma Department of Mental Health and Substance Abuse Services, Editor, November 1987.
- 7. If Just for Me The Companion Discussion Guide, 40 pages, Oklahoma Department of Mental Health and Substance Abuse Services, Contributor, September 1986.
- 8. Every Student Caring About Personalized Education (E.S.C.A.P.E.) Volunteer Coordinator Manual, 250 pages, University of Oregon, College of Education, Contributor, 1981.
- 9. E.S.C.A.P.E. Volunteer's Introduction Manual, 110 pages, University of Oregon, College of Education. Contributor, 1980.
- 10. E.S.C.A.P.E. Volunteer's Strategies Manual, 100 pages, University of Oregon, College of Education, Contributor, 1980.
- 11. E.S.C.A.P.E. Volunteer's Creativity Manual, 80 pages, University of Oregon, College of Education, Contributor, 1980.

4. Poster Presentations

- 1. Depressive Symptoms and Correlates among Perinatal Women. Jose Vazquez, MD, Sarah Brown, DrPH, Ralph Anderson, MD, Alan Podawiltz, DO, Angie Treviño, MS and des Anges Cruser, PhD. JPS Research Day. June 4, 2010.
- 2. Depressive Symptoms and Correlates among Perinatal Women. Sarah Brown, DrPH, Ralph Anderson, MD, Alan Podawiltz, DO, Angie Treviño, MS, and des Anges Cruser. The 5th Annual Texas Conference on Health Disparities. May 27-28, 2010.

- 3. Military Community at UNTHSC. des Anges Cruser, PhD, Alan Podawiltz, DO, Angie Treviño, MS, and Jessica Ingram, MPH. Research Appreciation Day. April 23, 2010.
- 4. Ethnic Disparities in Co-Occurring Disorder. Vicki Nejtek, PhD, Matthew Avila, PhD, Kathryn Kaiser, BS, Jemila Lea, BGS, Alan Podawiltz, DO and J. K. Vishwanatha, PhD. UNTHSC Research Appreciation Day. March 6, 2009.
- Atypical Antipsychotics Reduce Drug Cravings, Improves Mood and Decision-Making in Co-Occurring Bipolar Disorder with Stimulant Dependence. Vicki Nejtek, PhD, Alan L. Podawiltz, DO, 48th Annual NCDEU Meeting at the Arizona Biltmore, Phoenix, AZ. May 27-30, 2008
- 6. Utilization of the JPS Health Network Tarrant County Psychiatric Emergency Center. Alan L. Podawiltz, D.O., M.S., des Anges Cruser, Ph.D., MPA, Matthew Avila, Ph.D., Sarah Brown, MPH. UNTHSC Research Appreciation Day. March 27, 2008.

5. Presentations at Professional and/or Scientific Meetings

- Depression: A review for Primary Care, JPS Primary Care Meeting, October 12, 2015
- Prescribing and Tapering Benzodiazepines, JPS Community Medicine, Fort Worth, September 16, 2015
- Anxiety Disorders (an overview for Primary Care Providers), JPS Community Medicine, Fort Worth, Texas, February 20, 2014
- Depression: Appropriate Drugs for Great Results, JPS Community Medicine, Fort Worth, Texas, November 19, 2013
- Depression Appropriate Drugs for Great Results, 32nd Annual Dr. Stanley Weiss Primary Care Update, South Padre Island, Texas, June 29, 2013
- Adult Attention Deficit Disorder, 32nd Annual Dr. Stanley Weiss Primary Care Update, South Padre Island, Texas, June 29, 2013
- Suicide, TOMA/TxACOFP 6th Joint Annual Convention, Frisco, Texas, June 15, 2013
- Vulnerable Populations: Research Studies in Mental Health Populations, JPS Research Day 2013 and the OHRP Research Community Forum, Fort Worth, Texas June 7, 2013
- Update on Depression Diagnosis and Management in Primary Care, 27th Annual North Texas Family Medicine Update, UNTHSC, Fort Worth, Texas, April 19, 2013Diagnosing Bipolar Disorder: Signs and Symptoms (Psychlopedia Activity), Webinar Presentation, The Journal of Clinical Psychiatry, CME Institute, October 2011
- A Review of Current Bipolar Disorder Treatment Guidelines (Psychlopedia Activity), Webinar Presentation, The Journal of Clinical Psychiatry, CME Institute, October 2011
- Diagnosing and Treating Bipolar Disorder (Psychlopedia Activity), Webinar Presentation, The Journal of Clinical Psychiatry, CME Institute, October 2011.
- Psychosocial Aspects of Diabetes, Annual Dr. Stanley Weiss Conference, PACE, August 2011
- Bipolar Disorder: Lessons for Rural Physicians Adjunctive Interventions for Maintaining Remission, PACE, August 2011
- Practical Strategies for Diagnosing and Treating Depression in Women, Alan Podawiltz, DO, MS, FAPA, Case and Comment: The Journal of Clinical Psychiatry On-line discussion cmeinstitute.com. May 2008 – May 2009.
- When You Have to Be the Psychiatrist, Combat Related Mental Health Issues, Ask the Psychiatrists

 Open Discussion on Psychiatric Issues in Primary Care, 28th Annual Dr. Stanley Weiss Practical
 Topics in Primary Care, Sheraton South Padre Island Beach Hotel, June 25, 2008.
- CEmedicus.com, Practical Strategies for Diagnosing & Treating Depression in Women at Midlife and Beyond. Robin Hall, DO, Ann Dimapilis, DO, Alan Podawiltz, DO. Release Date: August 2007, Expiration Date: August 2008.
- Peri-menopausal Depression Alan Podawiltz, DO. The 79th Annual Joint Meeting of the Texas Association OB/GYN and Texas Section ACOG and 16th Annual TAOG-ACOG Texas Section Junior Fellow Research Forum, March 28-30, 2008.
- Depression in Women at Midlife and Beyond, American College of Osteopathic Family Physicians, Denver Fort Worth, Texas, March 15, 2008.

- Preventing Delirium in the Hospital, A. Podawiltz, 3rd Annual Hospital Medicine Update, Copper Mountain, Colorado, January 12, 2008.
- Psychiatric Emergencies in the Hospital, A. Podawiltz, 3rd Annual Hospital Medicine Update, Copper Mountain, Colorado, January 13, 2008.
- Depression in Women at Midlife and Beyond, A. Podawiltz, 19th Annual Pelham P. Staples, Jr. M.D. Educational Symposium on Women's Health Care: New Trends and Controversies, Arlington, Texas, November 17, 2007.
- Depression in Women at Midlife and Beyond, A. Podawiltz, Philadelphia, Pennsylvania, August 17, 2007.
- Depression in Women at Midlife and Beyond, Texas Society of the American College of Osteopathic Family Physicians, 50th Annual Clinical Seminar, Hilton Ft Worth, Fort Worth, Texas, July 28, 2007.
- Depression in Women at Midlife and Beyond, 27th Annual Dr. Stanley Weiss Practical Topics in Primary Care, Padre, Texas, June 28, 2007.
- Depression in Women at Midlife and Beyond, Arizona Biltmore, Phoenix, Arizona, June1, 2007.
- Traumatic Life Experiences in Psychiatric Outpatients: Implications for Clinical Practice Wednesday, Grand Rounds, University of North Texas Health Science Center, May 16, 2007.
- Crmhealthcare.net, programs depression in women, Practical Strategies for Diagnosing & Treating Depression in Women at Midlife and Beyond, Robin Hall, DO, Ann Dimapilis, DO, Alan Podawiltz, DO. Release. Available on DVD May 23, 2007.
- Psychological Aspects of Diabetes, TOMA 51st Mid-Winter Conference Legislative Symposium, Dallas, Texas, February 9, 2007.
- Joint Admissions Medical Program, Presentation and Panel discussion, 2007 Health Workforce Diversity Regional Conference, Dallas Texas, February 5, 2007.
- Joint Admissions Medical Program, Presentation and Panel discussion, 2007 Health Workforce Diversity Regional Conference, Dallas Texas, February 5, 2007.
- 2nd Annual Hospital Medicine Update, Psychiatric Emergencies in the Hospital, Copper Mountain, Colorado, January 10, 2007.
- 2nd Annual Hospital Medicine Update, The Difficult Patient: Ethics Lecture, Copper Mountain, Colorado, January 11, 2007.
- Serious mental illness and exposure to traumatic experiences. Cruser, D. A., Podawiltz, A. L., & Cipher, D. J.. Poster presented at the 14th annual University of North Texas Health Science Center Research Appreciation Day, Denton, TX. April, 2006.
- Factors Associated with Missed First Appointments to a Psychiatric Clinic (Poster Session); Wu, X, M.D.; Rohland, B. M., M.D.; Kruse, G., B.S.; Podawiltz, A. L., D.O. American Psychiatric Association Annual Meeting, New Orleans, Louisiana, May 2001.
- Interventions for Aggressive Behavior, (Grand Rounds), Podawiltz, Alan, L., D.O., Presented to the Department of Neuropsychiatry, Texas Tech University Health Sciences Center, Lubbock, Texas, January 18, 2000.
- Gabapentin: Its Role in Treating Mood and Anxiety States in Persons with Addictive Diseases (Poster Session); Alan Podawiltz, D.O.; Elizabeth Stuyt, M.D.; des Anges Cruser, Ph.D.; Pam Diamond, Ph.D., American Academy of Addiction Psychiatry 1998 Annual Meeting, Amelia Island, Florida, December 3-6, 1998.
- Occurrence of Symptoms of Dissociative Disorders in Female County Jail Inmates (1995). Stone, MA, Podawiltz, AL, & Cruser, dA. Poster presentation at the American Academy of Forensic Sciences, Seattle, WA.

PROFESSIONAL SOCIETIES

National:

American Osteopathic Association, 1991 - Present American Medical Association, 1996 - Present American Psychiatric Association, 1996 - Present

State:

Texas Medical Association
Texas Osteopathic Medical Association
Texas Society of Psychiatric Physicians

Local.

Tarrant County Medical Society
Tarrant Society of Psychiatric Physicians

OFFICES HELD

November 2008-September 2009

Tarrant County Medical Society, Board of Directors, Ex-Officio

October 2003 - Present

Physician Rehabilitation Committee, Member, Tarrant County Chapter, Texas Medical Association **July 2005 – June 2006**

Tarrant County, Texas Society of Psychiatric Physicians. Vice President **January 2004 – June 2005**

Tarrant County, Texas Society of Psychiatric Physicians. Communications Secretary

Curriculum vitae

Date Prepared: Feb. 15, 2017

Name: Mary Ellen Quiceno, M.D.

Office Address: 5323 Harry Hines Blvd., MC 9129, Dallas, TX 75390-9129

Work Phone: 214-648-6321

Work E-Mail: Mary.Quiceno@UTSouthwestern.edu

Work Fax: 214-648-3385

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1990-1994	BS	Psychobiology	University of Miami, Coral Gables, FL
1995-1999	MD	Medicine	University of Miami, Miami, FL

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline	Institution
1999-2000	Internship	Internal Medicine	University of Texas Southwestern Medical Center, Dallas, TX
2000-2003	Residency	Neurology	University of Texas Southwestern Medical Center, Dallas, TX
2003-2004	Fellowship	Behavioral Neurology & Dementia	University of Texas Southwestern Medical Center, Dallas, TX

Current Licensure and Certification

Licensure

Texas Medical Board, expires 5-31-2017

Board and Other Certification

American Board of Psychiatry & Neurology, Neurology, 2004, renewed 2014 United Council for Neurologic Subspecialties, Behavioral Neurology & Neuropsychiatry, 2008 **Honors and Awards**

Year	Name of Honor/Award	Awarding Organization
2003	Victor Rivera Resident Research Award	UTSW Neurology Department
2012	Interprofessional Education Collaborative Curriculum Module Development Award for the module entitled, "Acknowledging roles and abilities of team members: A geriatric care team meeting with the Coopers."	American Academy of Medical Colleges Funded by the Josiah Macy Jr. Foundation supported with funding by the Josiah Macy, Jr. Foundation awarded to Kristine Kamm, Susan Simpkins, Amit Shah, Roopali Gupta, Kim Hoggart, and myself.
2013	Travel Award to present at American Academy of Neurology Annual Meeting	Convergence Steering Committee at UTSW
2013	Woman of the Year	Altrusa International, Inc., Richardson, TX Club

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2004-2005	Volunteer Clinical Faculty	Neurology	University of Texas Southwestern Medical Center, Dallas, TX
2006-2015	Assistant Professor of Neurology	Neurology	University of Texas Southwestern Medical Center, Dallas, TX
2015-present	Associate Professor of Neurology	Neurology	University of Texas Southwestern Medical Center, Dallas, TX

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
2004-2005	Staff physician	Neurology	Presbyterian Hospital of Dallas, Dallas, TX
Current			
Year(s)	Position Title	Department/Division	Institution
2006-current	Attending physician	Neurology	Parkland Memorial Hospital, Zale Lipshy & Clements University Hospitals

Other Professional Positions

Year(s)	Position Title	Institution
2004-2005	Neurologist	Neurology Consultants of Dallas, PA

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
2007-2009	General Neurology Section Head	University of Texas Southwestern Medical Center, Dallas, TX
2010-present	Cognitive & Memory Disorders Clinic Director	University of Texas Southwestern Medical Center, Dallas, TX
2015-present	Fellowship Director, Behavioral Neurology & Dementia Fellowship accredited by the United Council on Neurologic Subspecialties	University of Texas Southwestern Medical Center, Dallas, TX
2016-present	Co-Director, Combined Psychiatry & Neurology Residency Program	University of Texas Southwestern Medical Center, Dallas, TX

Committee Service (*Member*, *unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
<u>UTSW</u>		
2009 to 2012	Neurology Residency Interviewer	University of Texas Southwestern Medical Center, Dallas, TX
2009	Ambulatory Clinics EPIC Committee	University of Texas Southwestern Medical Center, Dallas, TX
2010-present	Neurology Leadership Committee	University of Texas Southwestern Medical Center, Dallas, TX
2012 to 2013	Medical School Interviewer	University of Texas Southwestern Medical Center, Dallas, TX
2012-2015	Alternate Faculty Senate Representative, Neurology	University of Texas Southwestern Medical Center, Dallas, TX
State/Regional		
2014	Texas Council on Alzheimer's Disease and Related Disorders	Texas Department of State Health Services
National/Intern	ational ational	
2011-present	Steering Committee, representing UTSW	NIA Alzheimer Disease Cooperative Study Group
2013	Council of Faculty and Academic Societies, Junior Faculty Representative from UTSW & member of Evaluations Committee	Association of American Medical Colleges
2014	Outreach, Recruitment & Education Core Steering Committee Elected Member	NIA Alzheimer Disease Research Centers

<mark>2016</mark>	Outreach, Recruitment & Education Core	NIA Alzheimer Disease Research
	Steering Committee Chair	Centers

Professional Societies

2001-present	American Academy of Neurology, member
2004-present	Dallas County Medical Society, member
2004-present	Texas Medical Association, member
2013-present	American Neurological Association, member
	Committees
2011-present	American Academy of Neurology, Behavioral Neurology & Geriatric Neurology & AB Baker (Education) Sections
2016-present	American Academy of Neurology, AB Baker (Research Methodology, Education & History) program planning committee

Grant Review Activities

Year(s)	Name of Review Committee	Organization
2010-present	ADC Pilot Project Review Committee	UTSW Alzheimer's Disease Center
2010-present	Friends of the ADC Grant Review Committee	UTSW Alzheimer's Disease Center
2015, 2016	NIH Ad hoc R01 grant reviewer (Alzheimer	National Institutes of Health (NIH):
	disease)	National Institute on Aging (NIA)

Editorial Activities

Year(s)	Journal Name	
Ad Hoc Reviewer		
2012	Continuum: Lifelong Learning in Neurology	
2013	JAMA Neurology	

Invited Lectures

Year(s)	Title	Location			
<u>National</u>	<u>National</u>				
2012	Co-presenter, Behavioral Neurology course	American Academy of Neurology, New Orleans, LA			
2013	Alzheimer Disease: Diagnostic Tools & Emerging Treatments	Louisiana Alzheimer Association Caregiver Conference, Shreveport, LA			
2013	Speaker at AB Baker Education Symposium on Interprofessional Education	American Academy of Neurology, San Diego, CA			

2016	Emcee	National ADC Education & Outreach Cores Annual Meeting
Regional/L	ocal	
2007	Alzheimer Disease	UT Southwestern Women's Day Symposium
2007	Neuropsychiatric Issues in Parkinson Disease Dementia Syndromes	American Parkinson Disease Association, Northeast Texas Chapter Fall Parkinson Disease Symposium Terrell State Hospital, Terrell, TX
	· ·	Grand Rounds
2009	Dementia Syndromes	Hendrick Medical Center in Abilene, TX, Annual CME symposium
2010	Challenges in Moderate Stage Alzheimer Disease	Richard J Price Caregiver Symposium sponsored by the Greater Dallas Chapter of the Alzheimer's Association
2011	Memory and Cognitive Health	Heritage Ranch, Fairview, TX
2011	End of Life Issues in Alzheimer Disease	Richard J Price Caregiver Symposium sponsored by the Greater Dallas Chapter of the Alzheimer's Association
2012	African Americans & Alzheimer Disease	Fabulous 50 to Sexy at 60 Lecture Series sponsored by the National Physician & Family Referral Project (NPFR)
2012	The Latest in detecting & Preventing Memory Loss	Presbyterian Hospital of Dallas, Grand Rounds
2012	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	Grand Rounds East Texas Medical Center, Tyler, TX
2012	The Latest in detecting & Preventing Memory Loss	CC Young, Dallas, TX. Featured speaker at the annual Body, Mind & Spirit Lecture Series
2012	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	UT Tyler, Tyler, TX Grand Rounds
2013	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	23 rd Annual Myron Weiner, MD Geriatric Psychiatry Conference, UTSW
2013	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	East Texas Family Physician Annual Conference, Carthage, TX
2013	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	Alzheimer's Association North Central Texas Chapter Annual Caregiver Conference, Ft. Worth, TX

2013	Alzheimer Disease: Diagnostic Tools and Emerging Treatments	Internal Medicine Grand Rounds at Presbyterian Hospital of Dallas, Dallas, TX
2014	Alzheimer Disease: Emerging Treatments	AWARE lecture series speaker (Alzheimer's Women's Association to Reach & Engage), Dallas, TX
2014	Alzheimer Disease	North Texas Nurse Practitioners (NTNP) Annual CE Conference, Dallas, TX
2014	A Glimpse of the Future: Research Trends in Alzheimer's disease	Richard J Price Caregiver Symposium sponsored by the Greater Dallas Chapter of the Alzheimer's Association
2014	Understanding & Identifying Stages of Dementia due to Alzheimer's Disease Workshop	31 st Annual Adult Protective Services Conference, Texas Dept. of Family & Protective Services
2014	Alzheimer's Disease	UTSW Academic Clinical Provider Lecture Series for Nurse Practitioners & Physician Assistants
2015	Diminished Capacity: When Philanthropy and Mental Health Collide	Partnership for Philanthropic Planning
2015	Alzheimer disease	Dallas County Dental Society, Retired Dentists
2016	Diminished Capacity: When Philanthropy and Mental Health Collide	Dallas Estate Planning Council
2016	Maintain Your Brain: Update on Prevention of Memory Loss	Federal Judges Meeting (Eastern District of Texas)
2016	Update of the Research and Prevention of Alzheimer Disease	Mindshare 2016 Lecture series in Longview, TX for the Alzheimer's Association
2016	"Brain Smart"	Mindshare 2016 Lecture series in Dallas, TX for the Alzheimer's Association
<mark>2016</mark>	Update on the Research and Prevention of Alzheimer Disease	Mindshare Lecture series in Irving, TX for the Alzheimer's Association
<mark>2016</mark>	ORE Core Fall Meeting	Organizer, Steering Committee Chair
<mark>2016</mark>	Grand Rounds: Updates in Alzheimer Disease	Dept. of Family Medicine, UTSW
2016	Updates in Alzheimer Disease	Offered to APPs

Mentorship

2016	Danielle Rucker, MS 2
2016	Whitney Zentgraf, Pharm D
2014	Becky Mahan, Pharm D

Service to the Community

Year(s)	Role	Organization or institution
2004-2008	North Texas Chapter of the American Parkinson's Disease Advisory Board	e Association, Medical
2011-present	Alzheimer's Association, Greater Dallas Chapter, Member, Board of Directors	
2014-present	Alzheimer's Association, Greater Dallas Chapter, Co-Director, Programs & Services Committee	

Research Support Current Funding

Study	Status	Sponsor	Dates
P30 Neurobiology of Aging	Clinical Core Investigator	NIH	2007-present
	Education Core PI	NIA	2010-present
	Native American Satellite		2010-2015
	Core Co-PI		
TARCC Texas Alzheimer's Research	Clinical Core Investigator	State of	2007-present
& Care Consortium		Texas	
Alzheimer's Disease Cooperative	Steering Committee	NIH	2011-present
Study	Member	NIA	
Expedition 3 Study: Effect of Passive	Site PI	Lilly	2013-present
Immunization on the Progression of Mild			
Alzheimer's Disease: Solanezumab			
(LY2062430) Versus Placebo	Site DI	NIII	2012 mmagamt
A4 Study: Anti-Amyloid Treatment in	Site PI	NIH	2013-present
Asymptomatic Alzheimer's Disease		Lilly	
A Phase 3, Multicenter, Randomized,	Co-PI	Avanir	2016-present
Double-blind, Placebo-controlled Study to			
Assess the Efficacy, Safety, and Tolerability of AVP-786 (Deuterated [d6]-			
Dextromethorphan Hydrobromide [d6-			
DM]/Quinidine Sulfate [Q]) for the			
Treatment of Agitation in Patients With			
Dementia of the Alzheimer's Type.			

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Kamm K, Simpkins S, Shah A, Quiceno M, Gupta R, Hoggatt Krumwiede K.
	Acknowledging Roles and Abilities of Team Members: A simulated geriatric care team
	meeting with the Coopers. MedEdPORTAL; 2013. Available from:
	www.mededportal.org/publication/9305
2.	Wadsworth HE, Galusha-Glasscock JM, Womack KB, Quiceno M, Weiner MF, Hynan LS,
	Shore J, Cullum CM. Remote Neuropsychological Assessment in Rural American Indians
	With and Without Cognitive Impairment. Archives of Clinical Neuropsychology 2016 May
	30. pii: acw030. [Epub ahead of print]
3.	O'Bryant SE, Edwards M, Johnson L, Hall J, Villarreal AE, Britton GB, Quiceno M, Cullum
	CM, Graff-Radford NR. A blood screening test for Alzheimer's disease.
	Alzheimers Dement (Amst). 2016 Jun 25;3:83-90.

PubMed Bibliography

 $\underline{https://www.ncbi.nlm.nih.gov/sites/myncbi/1pcvAt9S0oxQf/bibliography/43483694/public/?sort=date\&direction=descending}$

Workgroup Affliations

Texas Alzheimer's Research and Care Consortium

Alzheimer's Disease Imaging Initiative

Alzheimer's Disease Cooperative Study group

Case Reports

1. Torabi AM, **Quiceno M**, Mendelsohn DB, Powell CM. Multilevel Intramedullary Spinal Neurocysticercosis With Eosinophilic Meningitis. Arch Neurol. 2004;61:770-772.

Reviews, Chapters, Monographs and Editorials

1. Weiner MF, Lipton AM, eds. The American Psychiatric Publishing Textbook of Alzheimer Disease and Other Dementias. American Psychiatric Publishing; 2009: 247-262.

Non-peer reviewed scientific or medical publications/materials in print or other media

1.	Lipton AM, Attmore J, Quiceno ME, Rubin CD. Update on Alzheimer's Disease. Dallas
	Medical Journal. 2004;90(1):16-21.
2.	SAGE Southwestern Aging and Geriatrics Education Program module: Cognitive Assessment
	in the Elderly. 2013. Access at http://www.gerisage.com/
3.	Abstract & poster displayed at the International Dementia with Lewy Bodies Conference in
	Dec 2015, titled Dementia with Lewy Bodies in American Indians: a Case Series
4.	Abstract accepted at AAN 2017: "Instrumented Gait and Balance Analyses in Progressive
	Supranuclear Palsy and Mild Cognitive Impairment compared with Parkinson Disease"

Educationtal

University of Texas Medical Branch

August 2005-May 2009

Galveston, Texas

Doctor of Medicine, High Honors

Honors: Alpha Omega Alpha, Gold Humanism Honor Society, Surgery Clerkship Award

University of North Texas

January 2004-May 2005

Denton, Texas

Post Baccalaureate Education

Baylor University

August 1997- May 2001

Waco, Texas

Bachelor of Science in Nursing, Cum Laude

Honors: Sigma Theta Tau, Golden Key National Honor Society, Dean's List, Gamma Beta Phi

Internship and Residency

University of Texas Medical Branch

March 2011-December 2013

Galveston, Texas

Pediatrics

University of Texas Medical Branch

June 2009-February 2011

Galveston, Texas

Plastic and Reconstructive Surgery

Work Experience

Acclaim Physician Group

November 2016-present

John Peter Smith Hospital

Fort Worth, Texas

Assistant professor, Pediatrician

Faculty in newborn nursery and pediatric clinic for the JPS Family Medicine Residency program,

the JPS Transitional Year program, and the Plaza Family Medicine Residency program.

Responsible for caring for and seeing patients while providing resident and medical student education by teaching in rounds, at patient bedside and via formal lectures.

Pediatrix Medical Group

February 2014- October 2016

North Practice

Richardson, Texas

Newborn nursery hospitalist, attended deliveries and managed newborns in the newborn nursery and in the special care nursery

Baylor University Medical Center

June 2001-June 2005

Registered Nurse III, Neonatal Intensive Care Unit

Chair of the developmental committee, new graduate preceptor

Research

Resident Research Project

May 2011-June 2013

Breastfeeding and Physician Specialty: Does It Matter?

University of Texas Medical Branch

Mentor: David Rassin, PhD

Medical Student Summer Research Project

May 2006-June 2006

Department of Preventative Medicine and Community Health and the Collaborating Center for Tropical Diseases, University of Texas Medical Branch, Mentors: E. Guevara, PhD and D. Walker, MD, PhD *Is Typhus Group Rickettsia Re-emerging or Becoming a Trait?*

Jeanine Ratliff

713-907-5626 jratliff@jpshealth.org

Research Presentations

Pediatrics By The Gulf June 2013

Ratliff, J. Rassin, D.

Breastfeeding and Physician Specialty: Does it Matter?

Medical Student Summer Research Program June 2006

Davis J, Guevara E, Walker D, and Bouyer D.

Is Typhus Group Rickettsia Re-emerging or Becoming a Trait?

Institute for Human Infections and Immunity/McLaughlin Colloquium March 2007

Davis J, Guevara E, Walker D, and Bouyer D.

Is Typhus Group Rickettsia Re-emerging or Becoming a Trait?

Educational Presentations

Developmental Dysplasia of the Hip March 2017

Breastfeeding and the Working Mother February 2016

Congenital Heart Defects January 2016

Low Milk Supply and Galactalogues August 2013

Time Management March 2013

The Case of the Enlarged Spleen – Splenic Sequestration February 2013

Human Bites January 2013

Radiology Morning Report September 2012

Asthma Management April 2012

Suture Workshop 2012 and 2013

Professional Memberships

American Academy of Pediatrics

Texas Pediatric Society

Texas Medical Association

Academy of Breastfeeding Medicine

Christian Medical and Dental Association

The Milk Mob

License and Certifications

Texas Medical License P6706

Board Certified by the American Board of Pediatrics

Basic Life Support

Pediatric Advanced Life Support

Neonatal Advanced Life Support

International Board Certified Lactation Consultant

Community Service

Dallas Christian Women's Job Corp 2014-2016

Served as a board member

Medical Volunteer, The Heights Baptist Church 2014-2016

Helped run first aid stations for church events

Preschool Volunteer, The Heights Baptist Church 2014-2016

As needed substitute in the preschool classrooms

Sangram Raut, PhD

Research Assistant Professor
Institute for Cardiovascular and Metabolic Disease
UNT Health Science Center, Fort Worth, TX, 76107
Email:sangramraut@gmail.com

Ph. No: 817-714-5760

Summary

- 7+ years of productive research experience in biomedical and biophysical sciences leading to 40+ peer reviewed research articles.
- 3+ years of teaching experience at college, undergraduate and graduate level institutions in biological and biophysical sciences.
- Demonstrated ability to use learning management software's (Blackboard, McGraw Hill Connect) along with use of online tools/technology and resources in lectures and laboratory sessions.
- First-hand experience working effectively with culturally and socioeconomically diverse student populations.
- Teaching interests: Introductory biology courses, Biochemistry, Physiology

Work Experience/Positions

March 2017-Pesent	Research Assistant Professor UNT Health Science Center, Fort Worth, TX
Aug 2016- Present	Adjunct Instructor (Biology) Tarrant County College, Fort Worth TX
Nov 2013 – Feb 2017	Postdoctoral Research Associate Texas Christian University, Department of Physics and Astronomy Fort Worth, TX, United States
Aug 2009 – Sep 2013	Graduate Research/Teaching Assistant University of North Texas HSC at Fort Worth, Department of Biomedical Sciences. Fort Worth, TX, United States
Aug 2007 – Jul 2009	Graduate Assistant St. John's University, College of Pharmacy and Allied Health Professions New York City, NY, United States

Education

Aug 2009 – Sep 2013 Ph.D., Biomedical Sciences

University of North Texas HSC at Fort Worth

Fort Worth, TX, USA

Coursework- Biochemistry, Molecular and Cell Biology, Pharmacology, Physiology, Microbiology and Immunology, Cellular and Molecular

Fluorescence, Advanced Biophysics

Aug 2007 – Jul 2009 M.S., Industrial Pharmacy

St. John's University, NY New York City, USA

Coursework- Industrial Pharmacy, Product Formulation, Principles of Manufacturing Pharmacy, Advanced Biopharmaceutics, Homogeneous Pharmacoutical Systems, Couler Principles, Systems

Pharmaceutical Systems, Ocular Drug Delivery Systems.

Sep 2003 – Jul 2007 B.Pharm., Pharmaceutical Sciences

Shivaji University, Kolhapur

Kolhapur, India

Coursework- Biochemistry, Pharmacology, Physical Chemistry, Medicinal Chemistry, Pharmaceutical Analysis, Organic chemistry I, Pharmaceutics,

Biostatistics.

Teaching Assignments

• <u>BIOL 1409 General College Biology II</u>: Lecture and laboratory section, responsible for creating syllabus plan, syllabus involved microbes (bacteria, virus, protists and archaea), plants, animals, human organ systems (11 organ systems), ecology and evolution, undergraduate level course.

- <u>Undergraduate Biochemistry</u>: Served as TA for first year students for this course, syllabus included basic biochemistry (proteins, enzymes and kinetics, nucleic acids, lipids, carbohydrates, and membrane transports), undergraduate level course.
- <u>BIOL 2402 Anatomy and Physiology II</u>: Lecture and laboratory section, responsible for creating syllabus plan, syllabus involved endocrine, cardiovascular, lymphatic-immune, respiratory, digestive, urinary and reproductive systems, undergraduate level course.
- MOLB 6220 Cellular and Molecular Fluorescence: Lecture and laboratory section, Team taught course, syllabus included basic cell and molecular biology, fundamental concepts in fluorescence spectroscopy (fluorophores, lifetime, polarization, quantum yield) and various options to label different structures in the cell/tissue for fluorescence microscopy, graduate level course.
- <u>CBAN 5201 Biomedical Imaging</u>: Lecture and laboratory section, team taught course, syllabus included different imaging modalities (fluorescence, MRI, PET, etc.) available to biomedical scientists, responsible for laboratory section on fluorescence experiments, graduate level course.
- <u>Science Experiment Demonstration Instructor</u>: As part of STEM outreach activity demonstrated wonderful world fluorescence and biology to 400+ high-school students.

Awards & Honors

June 2015- Consulting Editor: International Journal of Nanomedicine

May 2013-2014 Award: UNTHSC The Deans Award for Scholarly Achievement in Research.

May 2013 Award: Outstanding Graduate Student in Biomedical Sciences

Apr 2011 Award: Tech-Fort Worth Innovation Award

Journal Publications (peer-reviewed only)

(Total citations: 510, h index: 13, * Corresponding author, ** Papers published with undergraduate students)

- 1. J. Nagwekar, D. Duggal, R. Rich, R. Fudala, I. Gryczynski, **S.L. Raut**, Z.Gryczynski, I. Gryczynski. *Differences in the spatial distribution of actin in the left and right ventricles of functioning rabbit hearts*. Medical Photonics. 2016, In press.
- 2. **S.L. Raut**, A.E. Enciso, G.M. Pavan, C. Lee, A. Yepremyan, D.A. Tomalia, E. Simanek, Z. Gryczynski. *Intrinsic Fluorescence of Triazine Dendrimers Provides a New Approach to Study Dendrimer Structure and Conformational Dynamics*. The Journal of Physical Chemistry-C, 2017, 121 (12), 6946-6954
- 3. S. Sabnis, N.A. Sabnis, **S.L. Raut**, A.G. Lacko. Superparamagnetic reconstituted high-density lipoprotein nanocarriers for magnetically guided drug delivery. <u>International journal of nanomedicine</u>, 2016, 12, 1453.
- 4. A. Synak, B. Grobelna, **S.L. Raut**, P. Bojarski, I. Gryczyński, J. Karczewski, T. Shtoyko. *Metal enhanced fluorescence of flavin mononucleotide using new plasmonic platform*. <u>Optical Materials</u>, 2016, 59, 136-140.
- 5. M. Castillo, **S.L. Raut**, S. Price, I. Bora, L.P.Jameson, C. Qiu, K.A. Schug, Z. Gryczynski, S.V. Dzyuba, *Spectroscopic differentiation between monomeric and aggregated forms of BODIPY dyes: effect of 1, 1-dichloroethane*. <u>RSC Advances</u>, 2016, 6, 68705.
- 6. S. Requena, H. Doan, **S.L. Raut**, A D'Achille, Z. Gryczynski, I. Gryczynski, Y.M. Strzhemechny. *Linear dichroism and optical anisotropy of silver nanoprisms in polymer films*. Nanotechnology, 2016, 27 (32), 325704
- 7. H. Doan, **S.L.Raut**, D. Yale, M. Ablaze, S.V.Dzyuba, Z.Gryczynski. *Mechanothermally induced conformational switch of a porphyrin dimer in a polymer film*. Chemical Communications. 2016, 52, 9510-9513.
- 8. S. Shah, R. Chib, **S. L. Raut**, J. Bermudez, N. Sabnis, D. Duggal, J.D. Kimball, A.G Lacko, Z. Gryczynski, I. Gryczynski. *Photophysical characterization of anticancer drug valrubicin in rHDL nanoparticles and its use as an imaging agent*. <u>Journal of Photochemistry and Photobiology B: Biology</u>, 2016, 155, 60-65.
- 9. Q. Rice, S. L. Raut, R. Chib, A. Hayes, Z. Gryczynski, I. Gryczynski, Y.K. Kim, B. Tabibi, J. Seo. *Defect-mediated spontaneous emission enhancement of plasmon-coupled* CuInS 2 and CuInS 2/ZnS. <u>Optical Materials Express</u>, 2016, 6 (2), 566-577.
- 10. **S.L. Raut**, J. D. Kimball, R. Fudala, I. Bora, R.Chib, H. Jaafari, M. Castillo, N. W. Smith, I. Gryczynski, S.V. Dzyuba, Z. Gryczynski. *Triazine-based BODIPY trimer as a molecular viscometer*. Physical Chemistry Chemical Physics. 2016 Accepted (IF:4.5) **.
- 11. Q. Rice, **S. L. Raut**, R. Chib, A. Hayes, Z, Gryczynski, I. Gryczynski, Y. Kim, B. Tabibi, J. Seo. *Defect-mediated spontaneous emission enhancement of plasmon-coupled CuInS2 and CuInS2/ZnS*. Optical Material Express, 2016, 6(2), 566-577. (IF:2.84)
- 12. S. Shah, R. Chib, **S. L. Raut**, J. Bermudez, N. Sabnis, D. Duggal, J. D.Kimball, A.G.Lacko, Z. Gryczynski, I. Gryczynski. *Photophysical characterization of anticancer drug valrubicin in rHDL nanoparticles and its use as an imaging agent.* Journal of Photochemistry and Photobiology:B, 2016, 155, 60-65.
- 13. R. Chib, S. Butler, S.L. Raut, S. Shah, J. Borejdo, Z.Gryczynski, I. Gryczynski. *Effect of quencher, denaturants, temperature and pH on the fluorescent properties of BSA protected gold nanoclusters.* Journal of Luminescence. 2015, 168, 62-68. (IF:2.7)
- 14. **S. L. Raut***, R. Rich, T. Shtoyko, I. Bora, T. J. Sorensen, J. Borejdo, Z.Gryczynski, I. Gryczynski. *Sandwich type Plasmonic Platform for MEF using Silver Fractals*. Nanoscale, 2015, 7, 17729-17734. (IF: 7.39)
- 15. Kokate RA, Thamake SI, Chaudhary P, Mott B, **Raut S. L**, Vishwanatha JK, Jones HP. *Enhancement of anti-tumor effect of particulate vaccine delivery system by 'Bacteriomimetic' CpG functionalization of poly-lactic-co-glycolic acid nanoparticles.*, Nanomedicine (Lond). 2015. 10(6), 915-29. (IF: 5.4)
- 16. J. D. Kimball, **S. L. Raut**, L. Jameson, N. Smith, Z. Gryczynski, Sergei Dzyuba. *BODIPY–BODIPY dyad: assessing the potential as a viscometer for molecular and ionic liquids*. <u>RSC Advances</u>. 2015,5, 19508-19511. (IF: 3.84)
- 17. R. Chib, **S. L. Raut**, S. Shah, B. Grobelna, I. Akopova, R. M. Rich, T. J. Sørensen, B. W. Laursen, H. Grajek, Z. Gryczynski, I. Gryczynski *Steady State and Time Resolved Fluorescence Studies of Azadioxatriangulenium (ADOTA) Fluorophore in Silica and PVA Thin Films*. Dyes and Pigments, 2015, 117, 16-23. (IF: 3.96)
- 18. J. Nagwekar, D. Duggal, R. M. Rich, S. L. Raut, R. Fudala, I. Gryczynski, Z. Gryczynski, J. Borejdo. *The Spatial Distribution of Actin and Mechanical Cycle of Myosin Are Different in Right and Left Ventricles of Healthy Mouse Hearts*. <u>Biochemistry</u> 11/2014; DOI: 10.1021/bi501175s. (IF: 3.01)
- 19. **S. L Raut**, J. D Kimball, R. Fudala, H. Doan, B. Maliwal, N. Sabnis, A. Lacko, I. Gryzcynski, S. V. Dzyuba, Z. Gryczynski: *Homodimeric BODIPY Rotor as a Fluorescent Viscosity Sensor for Membrane-*

- *Mimicking and Cellular Environments*. Physical Chemistry Chemical Physics, 2014, 16 (48), 27037-27042. (IF: 4.49)
- 20. Q. Rice, S. L. Raut, R. Chib, Z. Gryczynski, I. Gryczynski, W. Zhang, X. Zhong, M. Abdel-Fattah, B. Tabibi, J. Seo. Fractional Contributions of Defect-Originated Photoluminescence from CuInS 2 /ZnS Coreshells for Hybrid White LEDs. Journal of Nanomaterials. 2014, DOI: 10.1155/2014/979875. (IF: 1.64)
- T. Shtoyko, S. L. Raut, R. M. Rich, R. J. Sronce, R. Fudala, R. N Mason, I. Akapova, Z. Gryczynski, I. Gryczynski: Preparation of Plasmonic Platforms of Silver Wires on Gold Mirrors and Their Application to Surface Enhanced Fluorescence.. ACS Applied Materials & Interfaces. 2014, 6 (21), 18780–18787. (IF: 6.7)
- 22. **S.L. Raut***, R. Chib, S. Butler, J. Borejdo, Z. Gryczynski, I. Gryczynski: *Evidence of energy transfer from tryptophan to BSA/HSA protected gold nanoclusters*. Methods and Applications in Fluorescence. 2014, 2(3), 035004-035010. (IF: NA) **
- 23. **S. L. Raut***, R. Rich, R. Fudala, R. Kokate, J. D. Kimball, J. Borejdo, J. K Vishwanatha, Z. Gryczynski, I. Gryczynski: *BSA Au Clusters as a Probe for Enhanced Fluorescence Detection Using Multipulse Excitation Scheme*. Current Pharmaceutical Biotechnology 2014, 14, 1139-1144. (IF: 1.95)
- 24. D. Shumilov, R. M. Rich, I. Gryczynski, **S.L. Raut**, K. Gryczynski, J. D. Kimball, H. Doan, T. J. Sørensen, B. W. Laursen, J. Borejdo, Z. Gryczynski: *Generating multiple-pulse bursts for enhanced fluorescence detection*. Methods and Applications in Fluorescence. 2014, 2(2), 024009. (IF: NA)
- 25. **S. L. Raut***, R. Fudala, R. M. Rich, R. A. Kokate, R. Chib, Z. Gryczynski, I. Gryczynski: *Long lived BSA Au clusters as a time gated intensity imaging probe.* Nanoscale, 2014, 6, 2594-2597. Research work featured on https://globalmedicaldiscovery.com/uncategorized/long-lived-bsa-au-clusters-time-gated-intensity-imaging-probe/ as well as https://globalmedicaldiscovery.com/uncategorized/long-lived-bsa-au-clusters-time-gated-intensity-imaging-probe-2-2670044.html (IF: 7.39)
- 26. R. Chib, **S. L. Raut**, S. Sabnis, P. Singhal, Z. Gryczynski, I. Gryczynski: *Associated anisotropy decays of ethidium bromide interacting with DNA*. Methods and Applications in Fluorescence. 2014, 2(1), 015003. (IF: NA) **
- 27. **S. L Raut***, R. M. Rich, R. Fudala, S. Butler, R. A. Kokate, Z. Gryczynski, R. Luchowski, I. Gryczynski: *Resonance energy transfer between fluorescent BSA protected Au nanoclusters and organic fluorophores*. Nanoscale, 2013, 6 (1), 385-391. (IF: 7.39) **
- 28. R. M. Rich, I. Gryczynski, R. Fudala, J. Borejdo, D. L. Stankowska, R. R. Krishnamoorthy, **S. L. Raut**, B. P. Maliwal, D. Shumilov, H. Doan, Z. Gryczynski: *Multiple-pulse pumping for enhanced fluorescence detection and molecular imaging in tissue*. <u>Methods</u>, 2013, 66 (2), 292-298. (IF: 3.65)
- 29. **S.L. Raut***, R. Chib, R. Rich, D. Shumilov, Z. Gryczynski, I. Gryczynski: *Polarization properties of fluorescent BSA protected Au25 nanoclusters*. Nanoscale. 2013, 5 (8), 3441-3446. (IF: 7.39)
- 30. **S. L. Raut***, D. Shumilov, R. Chib, R. Rich, Z. Gryczynski, I. Gryczynski: *Two photon induced luminescence of BSA protected gold clusters*. Chemical Physics Letters. 2013, 561–562, 74–76. (IF: 1.89)
- 31. R. Chib, **S. L. Raut**, R. Fudala, A. Chang, M. Mummert, R. M. Rich, Z. Gryczynski, I. Gryczynski: *FRET based Ratio-metric Sensing of Hyaluronidase in Synthetic Urine as a Biomarker for Bladder and Prostate Cancer*. Current pharmaceutical biotechnology. 2013, 14(4), 470-474. (IF: 1.95) **
- 32. B. Grobelna, A. Synak, P. Bojarski, K. Szczodrowski, B. Kukliński, S. L. Raut, I. Gryczyński: *Synthesis and luminescence characteristics of Dy3+ ions in silica xerogels doped with Ln2-xDyx(WO4)3*. Optical Materials. 2013, 35(3), 456–461. (IF: 1.98)
- 33. J. Seo, **S. L. Raut**, M. Abdel-Fattah, Q. Rice, B. Tabibi, R. M. Rich, R. Fudala, I. Gryczynski, Z. Gryczynski, W. J. Kim, S. Jung, R. Hyun: *Time-resolved and temperature-dependent photoluminescence of ternary and quaternary nanocrystals of CuInS2 with ZnS capping and cation exchange*. <u>Journal of Applied Physics</u>. 2013, 114(9), 094310-094310-8. (IF: 2.2)
- 34. B. P. Maliwal, R. Fudala, **S. L. Raut**, R. A. Kokate, T. J. Sørensen, B. W. Laursen, Z. Gryczynski, I. Gryczynski: *Long-lived bright red emitting azaoxa-triangulenium fluorophores*. <u>PLoS ONE</u>. 2013, 8(5), e63043. DOI: 10.1371/journal.pone.006304. (IF: 3.2)
- 35. **S. L. Raut***, R. M. Rich, I. Akopova, E. Thyrhaug, T. Shtoyko, D. Shumilov, Z. Gryczynski, I. Gryczynski: *Fluorescent Polyelectrolyte Capped Silver Nanoclusters: Optimization and Spectroscopic Evaluation*. Chemical Physics Letters. 2012, 549, 72-76. (IF: 1.89)

- 36. S. I. Thamake, **S. L Raut**, Z. Gryczynski, A. P. Ranjan, J. K. Vishwanatha: *Alendronate coated poly-lactic-co-glycolic acid (PLGA) nanoparticles for active targeting of metastatic breast cancer*. <u>Biomaterials</u>, 2012, 33(29), 7164-7173. (IF: 8.55)
- 37. B. Kirthivasan, D. Singh, M. M. Bommana, S. L. Raut, E. Squillante, M. Sadoqi: *Active brain targeting of a fluorescent P-gp substrate using polymeric magnetic nanocarrier system*. Nanotechnology, 2012, 23(25), 255102. (IF: 3.82)
- 38. M. Folmar, T. Shtoyko, R. Fudala, I. Akopova, Z. Gryczynski, **S. L. Raut**, I. Gryczynski: *Metal enhanced fluorescence of Me-ADOTA-Cl dye by silver triangular nanoprisms on a gold film*. Chemical Physics Letters. 2012, 531, 126–131. (IF: 1.98) **
- 39. B. P. Maliwal, **S. L. Raut**, R. Fudala, S. D'Auria, V. M. Marzullo, A. Luini, I. Gryczynski, Z. Gryczynski. *Extending Förster resonance energy transfer measurements beyond 100 Å using common organic fluorophores: enhanced transfer in the presence of multiple acceptors.* Journal of Biomedical Optics. 2012, 17 (1), 0110061-0110068. (IF: 2.85)
- 40. **S. L. Raut***, A. Heck, J. K. Vishwanatha, P. Sarkar, A. Mody, R. Luchowski, Z. Gryczynski, I. Gryczynski: *Fluorescent properties of antioxidant cysteine ABZ analogue*.. <u>Journal of photochemistry and photobiology</u>. B, Biology. 2011, 102(3), 241-245. (IF: 2.96)
- 41. R. Luchowski, T. Shtoyko, E. Apicella, P. Sarkar, I. Akopova, **S. L. Raut**, R. Fudala, J. Borejdo, Z. Gryczynski, I. Gryczynski: *Fractal-Like Silver Aggregates Enhance the Brightness and Stability of Single-Molecule Fluorescence*. Applied Spectroscopy. 2011, 65(2), 174-180. (IF: 1.88)
- 42. S. I. Thamake, **S. L. Raut**, A. P. Ranjan, Z. Gryczynski, J. K. Vishwanatha: Surface functionalization of PLGA nanoparticles by non-covalent insertion of a homo-bifunctional spacer for active targeting in cancer therapy.. Nanotechnology. 2011, 22(3), 035101. (IF: 3.84)
- 43. R. Luchowski, S. Sabnis, M. Szabelski, P. Sarkar, S. L. Raut, Z. Gryczynski, J. Borejdo, P. Bojarski, I. Gryczynski Self-quenching of uranin: Instrument response function for color sensitive photo-detectors. Journal of Luminescence. 2010, 130(12), 2446-2451. (IF: 2.71) **
- 44. A. Mukerjee, T. J Sørensen, A. P. Ranjan, S. L. Raut, I. Gryczynski, J. K. Vishwanatha, Z. Gryczynski: *Spectroscopic properties of curcumin: orientation of transition moments.*. The Journal of Physical Chemistry B. 2010, 114(39), 12679-12684. (IF: 3.3)
- 45. **S. L. Raut**, B. Kirthivasan, M. M. Bommana, E. Squillante, M. Sadoqi: *The formulation, characterization and in vivo evaluation of a magnetic carrier for brain delivery of NIR dye*. Nanotechnology. 2010, 21(39), 395102. Research work featured on http://nanotechweb.org/cws/article/lab/44122 (IF: 3.84)
- 46. P. Sarkar, R. Luchowski, **S. L. Raut**, N. Sabnis, A. Remaley, A. G. Lacko, S. Thamake, Z. Gryczynski, I. Gryczynski. *Studies on solvatochromic properties of aminophenylstyryl-quinolinum dye, LDS 798, and its application in studying submicron lipid based structure*. Biophysical chemistry. 2010, 153(1), 61-69. (IF: 1.98)
- 47. R. Luchowski, M. Szabelski, P. Sarkar, E. Apicella, K. Midde, S. L. Raut, J. Borejdo, Z. Gryczynski, I. Gryczynski: *Fluorescence instrument response standards in two-photon time-resolved spectroscopy*. Applied Spectroscopy. 2010, 64(8), 918-22. (IF: 1.88)
- 48. A. Mukerjee, R. Luchowski, A. P. Ranjan, S. L. Raut, J. K. Vishwanatha, Z. Gryczynski, I. Gryczynski: *Enhanced fluorescence of curcumin on plasmonic platforms*. <u>Current pharmaceutical biotechnology</u>. 2010, 11(2), 223-228. (IF: 1.95)

Book Chapters

- 1. R. Fudala, R. M. Rich, J. D. Kimball, I. Gryczynski, S. L. Raut, J. Borejdo, D. L. Stankowska, R. R. Krishnamoorthy, K. Gryczynski, B. P. Maliwal, Z. Gryczynski. *Multiple-Pulse Pumping with Time-Gated Detection for Enhanced Fluorescence Imaging in Cells and Tissue*. Springer Series on Fluorescence, Springer Berlin Heidelberg, 2014.
- 2. K. Midde, R. M. Rich, V. Hohreiter, S. L. Raut, R. Luchowski, C. Hinze, R. Fudala, I. Gryczynski, Z. Gryczynski, J. Borejdo. "*Rotation of myosin lever arms during isometric contraction of skeletal myofibrils*". In <u>Skeletal Muscle: Physiology, Classification and Disease</u>, M. Willems, Editor, Nova Science Publishers: Chichester, United Kingdom. 2012, pp. 1-24.

Conference Proceedings Paper

- 1. J. D. Kimball, D. Shumilov, R. Fudala, **S. L. Raut**, I. Gryczynski, J. Borejdo, I. Akopova, R. Grygorczyk, Z. Gryczynski: *Simple multipulse excitation for enhanced detection of long-lived fluorophores*. SPIE Bios, 2014, 895005-895005-7.
- 2. J. D. Kimball, D. Shumilov, B. Maliwal, T. W. Zerda, B. Rout, R. Fudala, S. L. Raut, I. Gryczynski, E. Simanek, J. Borejdo, R. Rich, I. Akopova, Z. Gryczynski: *Fluorescent nanodiamonds for ultrasensitive detection*. SPIE Bios, 2014, 89501H-89501H-5.
- 3. B. Kirthivasan, D. Singh, **S. L. Raut**, M. M. Bommana, E. Squillante, M. Sadoqi, Markers Dyes Nanoparticles Reporters, I. V. Molecular Probes for Biomedical Applications: *Targeted polymeric magnetic nanoparticles for brain imaging*. Proc SPIE 02/2012; 8233:82330T-1 82330T-9.
- 4. Q. Rice, S. L. Raut, W. J. Kim, R. Rich, R. Fudala, M. Abdel-Fattah, B. Tabibi, I. Gryczynski, Z. Gryczynski, S. Jung, J. Seo. *Temporal Distributions of Optical Energy Transitions and Photoluminescence Quenching in CuInS2 with ZnS Capping and Alloy*. Bulletin of the American Physical Society, 2014, 59, No: 8
- 5. R. Maglott, R. Sronce, T. Shtoyko, S. L. Raut, I. Gryczynski. *Application of silver nanoclusters for surface enhanced fluorescence*. Abstracts of papers of the American Chemical Society, 2013, 245.
- 6. K. D. Temporal, M. Folmar, S. L. Raut, I. Gryczynski, Z. Gryczynski, T. Shtoyko. *Fluorescence properties of water-soluble silver nanoclusters*. Abstracts of papers of the American Chemical Society, 2012, 243.
- 7. S. I. Thamake, S. L. Raut, Z. Gryczynski, J. K. Vishwanath. *Alendronate Coated Poly (lactic-co-glycolic acid) Nanoparticles for Active Targeting of Curcumin and Bortezomib in Metastatic Breast Cancer*. The FASEB Journal, 2011, 25, 726.10.
- 8. T. Nguyen, Z. Gryczynski, **S. L. Raut**, S. Thamake, J. K. Vishwanatha, P. Sarkar, I. Gryczynski, B. Maliwal. *Formulation and Preliminary Evaluation of GMO Coated Magnetic Nanoparticles for Potential Cancer Therapy*. The National Conference on Undergraduate Research, 2011, 1262-1272. <u>First Prize</u> Winner Abstract Competition
- 9. S. I. Thamake, A. Ranjan, **S. L Raut**, Z. Gryczynski, J. K Vishwanatha. Formulation and characterization of antibody coated Poly (lactic-co-glycolic acid) nanoparticles to target metastatic cancer. The FASEB Journal, 2010, 520, pp8.

Conference Poster Presentations

- Fluorescent BODIPY Rotor: Viscometer for cellular and membrane-mimicking vesicles.
 American Physical Society Meeting 2015, San Antonio, TX, Abstract No: L48.00006, Session: Water and liquid Dynamic
- 2. Spectroscopic studies on di-pophyrin rotor as micro-viscosity sensor.

 American Physical Society Meeting 2015, San Antonio, TX, Abstract No: D26.00008, Session: Physics of Cellular Organization II.
- 3. Multipulse pumping with time-gating for ultrasensitive detection and imaging. SPIE Bios Photonics West 2015, San Franscisco, Paper No: 9331-13, Session: New Developments in Methods and Systems.
- 4. Enhanced molecular rotor for single molecule detection.

- SPIE Bios Photonics West 2015, San Franscisco, Paper No. 9331-58, Session: PSun.
- 5. Bacteriomimetic Nanoparticles for Immunotherapy against Breast Cancer American Association of Pharmaceutical Scientist 2014, San Diego, GA. Abstract ID: W5337
- 6. Synthesis and Characterization of Silver Nanoclusters. *American chemical society (ACS) meeting, San Diego, CA, 2012.*
- 7. Fluorescent Silver Nanoclusters: Optimization and Spectroscopic Evaluation. *Research Appreciation Day (RAD) 2012, UNTHSC, Fort Worth, TX*
- 8. Formulation and Preliminary Evaluation of GMO-Coated Magnetic Nanoparticles for Potential Cancer Therapy.
 - 27th Southern biomedical engineering conference (SBEC), Arlington, TX, 2011.
 - American Association of Pharmaceutical Scientist 2011, Washington DC.MA, Abstract ID: T3118
- 9. Evaluation of fitc-bsa conjugated nanodiamonds for potential biomedical and biophysical applications. *RAD 2011, UNTHSC, Fort Worth, TX (Recipient of TECH-FortWorth Innovation Award)*
- 10. Depolarized scattering from silver nanostructures for dye less sensing. *RAD 2010, UNTHSC, Fort Worth, TX*
- 11. Bilayer dye/drug polymeric magnetic nanoparticles- a novel candidate for anti-cancer therapy and diagnostic purpose.
 - American Association of Pharmaceutical Scientist 2008, Atlanta, GA. Abstract ID: 2982
- 12. Development and evaluation of cream formulations for anti-inflammatory and wound healing activity of pig fat.
 - 2nd International Conference on Pharmaceutical Science, Technology and Practice, JSS College of pharmacy Feb 2007, Ooty, Tamilnadu, India
- 13. Study the effect of extra granular and intra granular addition of superdisintigrant on diclofenac sodium mouth dissolving tablet characteristics.
 - Symposium on 'Recent trends in drug discovery and development'. ABCP college of pharmacy, March 2007 Sangli, India
- 14. Effect of chitosan on intrinsic dissolution of BCS class II drug. 58th Indian Pharmaceutical Congress, December 2006, Mumbai, India
- 15. Evaluation of bamboo manna as superdisintigrant in mouth dissolving tablets. 58th Indian Pharmaceutical Congress, December 2006, Mumbai, India

Grants Funding

- 1. Leukemia Texas Foundation 2016: Lipoprotein Based, Multi-Agent Targeted Therapy, for AML in Older (>60Yrs) Patients: <u>Unfunded</u>
- 2. B*Cured Foundation 2016: Novel Lipoprotein-Based SR-B1 Targeted Therapy for Gliomas: Unfunded
- 3. AHA Postdoctoral Fellowship 2015: *Molecular Rotors to Assess the Contractile Performance of Left and Right Ventricles in Diseased Hearts* (Revised Submission): <u>Unfunded</u>
- 4. AHA Postdoctoral Fellowship 2014: *Molecular Rotors to Assess the Contractile Performance of Left and Right Ventricles in Diseased Hearts*. <u>Unfunded</u>
- AHA Predoctoral Fellowship 2010:Application of MEF for Enhanced Detection of Cardiac Biomarkers. <u>Unfunded</u>

Professional Service

 Acts as a reviewer for following journals: Nanoscale, International Journal of Nanomedicine, Colloids and Surfaces B: Biointerfaces, RSC Advances, Nanotechnology, Journal of Photochemistry and Photobiology B, International Journal of Molecular Science, Methods and Applications in Fluorescence (IF: 1.9)

- Abstract screener/reviewer for the American Association of Pharmaceutical Scientists (AAPS) annual meeting 2011 in a Physical Pharmacy and Biopharmaceutics (PPB) section. Together with other PPB section screeners we reviewed 442 abstracts.
- Abstract screener for the International Conference on Materials Science (ICMS2015) to be held in Shanghai this coming year.

Community Service

- Worked as a volunteer for ACS Relay for Life event and Alzheimer's Association local fund raising events in DFW metroplex, 2009-2014.
- Worked as a volunteer for *Texas Academy of Biomedical Sciences (TABS)* in demonstrating science experiments to about 200 high school kids, 2011-2012.
- Volunteered at *Habitat for Humanity* for help building homes for families left homeless by natural disasters, and those in need, 2011.
- Volunteered at *Tarrant Area Food Bank (TAFB)* as a part of ISA community service activity, 2009 and 2010
- Worked as volunteer in *Free Medical Checkup Health Camp* at Civil hospital Karad organized by Govt.of Maharashtra State, India 2003.
- As a volunteer in *leprosy search campaign* organized by Government. Of. Maharashtra, India 1999

Leadership Experience

- Served as **President** of International Student Association (ISA) which has about 100 student members on campus (2011-2012). UNTHSC, Fort Worth, TX
- Served as Graduate Student Association (GSA) **Executive Student Advisor** for Department of Biomedical Sciences which trains about 40 graduate students (2011-2012)
- Served as **Vice-President** of International Student Association (ISA) on campus (2010-2011). UNTHSC, Fort Worth, TX
- Served as **Public Relation Officer** of International Student Association (ISA) on Campus (2009-2010), UNTHSC, Fort Worth, TX
- **Secretary** of organizing committee for Pharma-Utsav 2004 A state level Inter-Pharmacy 3 days Educational-Cultural Competition involving about 300 participants.
- **Vice-president** of 'Nature Club' which was part of activity of World Wide Fund for Nature (WWF)

Professional Affiliations

- American Association for the Advancement of Science (AAAS)
- American Association of Pharmaceutical Scientists (AAPS), 2008 and 2011
- Biophysical Society (BPS), 2013
- Sigma Xi Scientific Society, 2014-2015

CURRICULUM VITAE

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A. EDUCATION

1992 - 1997 UNT Health Science Center Ph.D. Biomedical Sciences

1976 - 1980 Texas A&M University B.S. Agronomy

B. PROFESSIONAL EXPERIENCE AND APPOINTMENTS

2016-present Cross Appointment, Professor in the Department of Medical Education

2015-present Director, Center for Anatomical Sciences, UNT Health Science Center

2011-present Professor, Education Track, Department of Cell Biology and Anatomy,

Department of Integrative Physiology and Anatomy, UNTHSC

2010-2015 Vice Chair for Anatomy Education, Department of Cell Biology and Anatomy,

Department of Integrative Physiology and Anatomy, UNTHSC

2008-2011 Associate Professor – Cross Appointment, Department of Orthopaedic Surgery,

Texas College of Osteopathic Medicine, UNTHSC

2013-present Graduate Advisor, Structural Anatomy and Rehabilitation Science Graduate

Program, UNTHSC

2007-2013 Graduate Advisor, Structural Anatomy Ph.D. Program, Department of Cell Biology

and Anatomy, UNTHSC

2006-2011	Associate Professor (with tenure) on Education Track, Department of Cell Biology and Anatomy, UNTHSC
2002-2006	Graduate Adviser, Master of Science in Science Education Program, UNTHSC
1999-2006	Assistant Professor, Education Track, Department of Cell Biology and Genetics, UNTHSC
1998-1999	Instructor – Department of Anatomy and Cell Biology, UNTHSC
1997-1998	Post-doctoral Fellow/Lecturer, Department of Anatomy and Cell Biology, UNTHSC
1996-1997	Graduate Teaching Assistant, Department of Anatomy and Cell Biology, University of North Texas Health Science Center
1987-1992	Secondary Science Teacher – Waxahachie High School, Waxahachie, TX. Physical Science, Biology, Honors Biology/Advanced Placement (AP) Biology

Certification and Licensure

Texas Provisional Secondary Science Teacher Certification (Lifetime) in Biology, University of Texas at Arlington. Arlington, TX. 1986

C. HONORS AND AWARDS

2015	Valubility Award of the Year – Finalists, UNTHSC campus-wide award
2014	Basic Science Faculty Award, Class of 2017, Texas College of Osteopathic Medicine
2013	2012-2013 President's Award for Educational Excellence, Recipient, UNTHSC
2012	2011-2012 President's Award for Educational Excellence, Nominee, UNHTSC
2010-2012	Graduate Student Association, Golden Apple Award Nominee, UNTHSC
2009	Graduate Student Association, Golden Apple Award Recipient, UNTHSC
2008	"Favorite Faculty" Award, Class of 2008-09 Medical Science Students, Graduate School of Biomedical Sciences, UNTHSC
2006	Healthcare Heroes Award from the Fort Worth Business Press, Project SCORE – "Commitment to outreach and service to the community"
2005	2004-2005 Graduate Student Association "Outstanding Faculty of the Year", UNTHSC

2003	2003 Research Rising Star Award, Graduate School of Biomedical Sciences, Science Education Outreach Programs, UNTHSC
2003	President Recognition – Project SCORE, Science Outreach Program - Commitment to Best Practices, Evaluation, and Quality Enhancement, UNTHSC
2002	2002 American Association of Anatomists (AAA) Young Faculty Award, presented at Experimental Biology 2002, New Orleans, LA.
1998	Excellence in Teaching Award – Medical School, Class of 2002, Texas College of Osteopathic Medicine.
1997	2nd Place, Oral Competition, Abbott Laboratories Research Achievement Award, Research Appreciation Day, UNTHSC
1995-1997	Graduate Student of the Year, Department of Anatomy and Cell Biology, UNTHSC
1995	1st Place, Poster Competition, Upjohn Research Achievement Award, Research Appreciation Day, UNTHSC

D. PROFESSIONAL SOCIETIES

Memberships

2005-2014	The Human Anatomy and Physiology Society (HAPS)
2004-present	International Association of Medical Science Educators (IAMSE)
2004-2008	National Association of Biology Teachers (NABT)
2004-2010	National Science Teachers Association (NSTA)
2004-2008	Texas Association of Biology Teachers (TABT)
2000-present	American Association of Anatomists (AAA)
1999-2005	American Association for the Advancement of Science (AAAS)
1998-present	American Association of Clinical Anatomists (AACA)
1997-2001	Society for Experimental Biology and Medicine

National Offices/Positions Held

2008-2011	Councilor-at-large, American Association of Clinical Anatomists
2005-2008	Councilor-at-large, American Association of Clinical Anatomists
2004-2012	Education Listserve Administrator, American Association of Clinical Anatomists

E. TEACHING EXPERIENCE

Courses Taught

Graduate and Medical School

2016-present	MSS2 Embryology, Texas College of Osteopathic Medicine, UNTHSC
2014-present	Co-Course Director, Musculoskeletal System 1, Texas College of Osteopathic Medicine, UNTHSC
2014-2015	Course Director, IPAN 6340, Structural Anatomy of the Human Musculoskeletal System, GSBS
2014	Lecturer, TCOM System 1 GI Course, GI Histology, UNTHSC – filled in for Dr. Robert Wordinger
2014-present	Co-Course Director, IPAN 5401, Structural Anatomy for Medical Science Master's Program, UNTHSC
2013-2014	Course Director, Structural Anatomy of the Human Gastrointestinal System, CBAN 5334, Graduate School, UNTHSC
2013	Co-Course Director, CBAN 5400 Histology for Medical Science Program, UNTHSC
2013-present	Co-Course Director, Anatomy Pre-matriculation Course for TCOM, PA, and PT Students, UNTHSC.
2011-2013	Co-Course Director, Structural Anatomy 1, CBAN 5400 for Medical Science Masters Program
2010-present	PA/PT Anatomy/Histology, School of Health Professions, UNTHSC
2010 Summer	Instructor, CBAN 5931, Medical Science – Clinical Anatomy of the Upper and Lower Extremity, Summer course.
2009-2011	Course Director, Structural Anatomy 2, Medical Science (GSBS) Anatomy Program, all laboratories and 7 lectures.
2009	Instructor, Medical Science Anatomy, Special Problems course. Summer only.
2009 - Present	Instructor, JAMP Summer Anatomy Course. Summer only.
2006-2012	Course Director/Co-Course Director for TCOM Pre-matriculation Course for incoming students.
2006	Co-Course Director, Anatomy of the Upper and Lower Limb, Summer Human Anatomy Course for Post-baccalaureate students, listed as Special Problems
2005-present	Course Director, Structural and Developmental Anatomy of the Cardiopulmonary System, IPAN (CBAN) 5332, Graduate Course, UNTHSC

2005-2006	Co-Course Director/Instructor, Advanced Anatomy Course for Osteopathic Manipulative Medicine Fellows/Residence
2004-2011	Co-Course Director/Instructor, Clinical Human Anatomy, First Distributed Learning (online) course at UNTHSC,
2003-2004	Course/Program Director and Instructor, Anatomy and Physiology, Summer JAMP Program, UNTHSC.
2002-2009	Course Director/Instructor, Tools for Teaching Science, Graduate Course/Project SCORE Workshop, UNTHSC
2002-present	Instructor, Scientific Communications, Graduate Course, UNTHSC
1999-present	Instructor – Human Anatomy Laboratory for Systems-based Courses, TCOM Year 1 (all systems, all laboratories, and assigned lectures in MSS, Cardiopulmonary, and Renal Systems)
1999-2009	Course Director/Instructor, Graduate Structural Anatomy, (7 SCH course) for Post-bac and Medical Science programs
1999-2001	Course Director/Instructor, Graduate Structural Neuroscience, UNTHSC
1997-2000	Instructor – Anatomy, Physician's Assistant Program, UNTHSC
1998-1999	Instructor – Medical Human Anatomy, Embryology, UNTHSC
1997-1999	Instructor – Medical Histology, UNTHSC
1996-1997	Human Anatomy Teaching Assistant – Department of Anatomy and Cell Biology, UNTHSC
1995-1997	Histology Teaching Assistant, Department of Anatomy/Cell Biology, UNTHSC
Secondary Science/Public Sc	<u>hool</u> s
1988-1992	Secondary Science Teacher, Course: 11-12 th grade Advanced Placement (AP) Biology, Science Department, Waxahachie High School, Waxahachie, TX
1987-1988	Secondary Science Teacher, Course: Physical Science, Science Department, Waxahachie High School, Waxahachie, TX
1987-1992	Secondary Science Teacher, Courses: 9th grade Regular and Honors Biology, Science Department, Waxahachie High School, Waxahachie, TX
1986 – Fall semester	Student Teacher, L.D. Bell High School, Bedford, TX. 9th-grade Biology

<u>Summer Classes and Workshops - Science Education and Outreach</u>

2010-2016 Program Director/Instructor, Texas Academy of Biomedical Sciences, 9th Grade

Summer Bridge Program, 100 students annually for 1-week program.

2006-2008 Course Director/Instructor, SCORE/MKITS 9th Grade Summer Science Camp,

UNTHSC

2004-2007 Course Director/Instructor, MKITS 6th Grade Summer Science Camp, UNTHSC

2003-2004 Course Director/Instructor, Anatomy and Physiology, Summer Joint Admissions

Medical Program (JAMP) for undergraduate students, UNTHSC

2002-present Instructor, JAMP Summer Anatomy and Physiology Program, UNTHSC

Students Mentored

Major Professor/Co-Mentor of Graduate Student

Jessica Juarez PhD Student, Structural Anatomy and Rehabilitation Science, Center for

Anatomical Sciences, Co-Mentor, 2016-present

Ricardo Belmares PhD Student, Structural Anatomy and Rehabilitation Science, Center for

Anatomical Sciences, Co-Mentor, 2016-present

Philip Escarsega Masters of Science, Clinical Research Management, Statins and PCSK9

Inhibitors: How they have shaped medicine, a comparative review. 2016-2017

Maureen Purcell PhD Student, Structural Anatomy and Rehabilitation Science, Center for

Anatomical Sciences, Major Professor, 2014-present

Cara Fisher PhD Student, Structural Anatomy and Rehabilitation Science, Faculty/PhD

Student program. Major Professor, 2014-present.

Shayan Noorani Masters of Science. Clinical Research Management, 2014-15

Elizabeth Nelson PhD Student, Structural Anatomy Program, Department of Integrative

Physiology and Anatomy, Co-Mentor, 2013-2015. Switched to Dr. Claire

Kirchhoff as major professor

David Le Masters of Science. Clinical Research Management, 2013-2014

Addison Wood DO/PhD Student, Structural Anatomy Program, Department of Cell Biology

and Anatomy, Major Professor. 2013-2015; Switched to Rita Patterson;

Co-mentor 2015-present.

Tanya Lerma PhD Student, Structural Anatomy Program, Department of Cell Biology and

Anatomy, Major Professor, 2012-2015. Switched to Dr. Geoff Guttmann as

Major professor. 2014-2015

Vuvi Nguyen PhD Student, Structural Anatomy Program, Department of Cell Biology and

Anatomy, Major Professor. A cadaveric investigation of the dorsal scapular

nerve. 2012-2016.

Matthew Vandermause Masters of Science, Clinical Research Management, 2012-2013.

Sowmya Yadapalli Masters of Science, Clinical Research Management, 2010-2011

Victor Taylor PhD Student, Structural Anatomy Program, Department of Cell Biology and

Anatomy, Major Professor. Contrasting Force Reduction at the Greater Trochanter Using Different Surgical Procedures for Relief of Greater

Trochanteric Pain Syndrome. 2010-2014.

Jennifer Ong Masters of Science, Clinical Research Management. 2010-2011.

Barrett Cromeens DO/Ph.D. Student, Structural Anatomy Program, Department of Cell Biology and

Anatomy, Major Professor, 2009-2012.

Suncica Hukic Masters of Science, Clinical Research Management. Single site analysis of the

use of grafting biologics and their effectiveness in surgical arthrodesis. 2008-

2009.

Erica Kafka PA/Ph.D. Student, Structural Anatomy Program, Department of Cell Biology and

Anatomy, 2009-2011. Withdrew from Program.

Tiffany Davis Ph.D. Student, Structural Anatomy Track, Department of Cell Biology and

Anatomy, 2008-2009. Dismissed from program.

Elisha Hatfield Masters of Science, Clinical Research Management. Indentifying and

overcoming barriers in clinical research management: A review of clinical trials

within an academic medical center. 2008-2009.

Mathew Roso Master of Science, Structural Anatomy Program, Department of Cell Biology

and Genetics, 2008-2012.

Brett Mueller Masters of Science, Clinical Research Management. Medicare 2005

demonstration project: Patient reporting of nausea symptoms and its impact

on improving quality of patient care. 2005-06.

Joyce Varkey Masters of Science, Clinical Research Management. Analysis of recruitment

methods to understand efficient enrollment into a study which is attempting to discover a new risk factor for the preventive treatment of cardiovascular disease

with rosuvastatin. 2004-06.

Nathan Vela Masters of Science Education Program, 2004-05 (withdrew)

Xochitl Plascencia Masters of Science, Clinical Research Management. A phase II clinical

study to evaluate the efficacy and safety of rhThrombin in subjects

undergoing arterial bypass surgery and AV graft formation for hemodialysis.

2003-04.

Ame Barrier Masters of Science Education Program. Secondary science curriculum:

Developing a browser-based constructivists ecosystem. 2002-04.

Lakiesha Whittaker Masters of Science Education Program. A novel approach

to inquiry-based learning models in the sciences: Utilization of case

presentations and encounter workshops in high school life science classrooms.

2002-04.

Telecia Hughes Masters of Science, Clinical Research Management. Assessment of human

antibody response to urokinase. Part A: A specimen acquisition trial for the

assessment of human antibody response to urokinase. 2002-03.

Cynthia Schlueter Masters of Science, Clinical Research Management, A look at diabetes mellitus

and the effects of a study drug on diabetic nephropaty. 2001-2002.

Timothy Chad McCormick Masters of Science, Clinical Research Management. Clinical research: Drug

studies and device trials, theory, and approach. 2001-02.

Jorge Aquilar-Zanattta Masters of Science, Clinical Research Management, Analysis of the clinical

research methodologies employed during a phase three efficacy study for ultacet

as a post-herniorrhaphy analgesic. 2000-2001.

Graduate Committee Member

Christopher Collins M.S. Anatomy Track, Medical Science Masters Program, Committee Member, 2

2016-2017

Jeffrey Chaes M.S. Anatomy Track, Medical Science Masters Program, Committee Member, 2

2015-2016

Kiran Kanwar Ph.D. Student, Major – Kinesiology; Minor – Anatomy, Texas Woman's

University, Denton, TX. 2015

Mina Zilaie M.S. Anatomy Track, Medical Science Program, Committee Member, 2014-15

Victor Lin DO/Ph.D. Student, Biochemistry and Cancer Biology, University Member, 2014

Ismail Mohiuddin Masters of Science. Clinical Research Management, Committee Member, 2014

Maximillion Mize Ph.D. Pharmacology and Neuroscience, Committee Member, 2014

Nicholas Kubelka Ph.D. Pharmacology and Neuroscience, University Member, 2014

Evan Rainey M.S. Clinical Research Management, Committee Member 2013-2014

Calvin Chikelue M.S. Microbiology and Immunology, Committee Member, 2013

Maricelie Dugal M.S. Pharmacology and Neuroscience, University Member, 2012-2013

Maria-Racella DeGuzman M.S. Clinical Research Management, Committee Member. 2012-2013

Mukesh Sahu	Ph.D. Department of Biochemistry and Molecular Biology, University Member. 2011-2013
Jeremy Brown	M.S. Clinical Research Management. Committee Member. 2009-2010
Jinjun Gong	Ph.D. Department of Cell Biology and Genetics, Committee Member, 2007-08
Weis Love	Ph.D. Department of Molecular Biology and Immunology, University Member, 2007-08
Matt Owings	Ph.D., Structural Anatomy Program, Department of Cell Biology and Genetics, Committee Member, 2007-present (incomplete)
Devin Flaherty	Ph.D. Department of Integrative Physiology, University Member, 2007-2009
Ritu Pabla	Ph.D. Department of Cell Biology and Genetics, Committee Member, 2007-08
John Fuller	Ph.D. Department of Cell Biology and Genetics, Committee Member, 2007-08
Amber Ondricek	Ph.D. Department of Biomedical Sciences, Committee Member, 2007
Damien Kinzler	M.S. Osteopathic Manipulative Management, University Member, 2007-08
Marcia Spear	M.S. Department of Molecular Biology and Immunology, University member, 2007-08
Suzanne Gonzalez	Ph.D. Department of Cell Biology and Genetics. Forensic Science. Committee member. 2007-08
Christina Pacchia	Ph.D. Department of Integrative Physiology, University Member, 2007.
Tyler Bloomer	Masters of Science, Clinical Research Management, Committee Member, 2006-2007
Tara Tovar	Ph.D. Department of Cell Biology and Genetics, Committee Member, 2006-08
Anthony Chuang	M.S. Department of Molecular Biology and Immunology, Committee Member, 2006-2007
James Flynn	Ph.D. Department of Cell Biology and Genetics, Committee Chair, 2005-08.
Angela Prescott	M.S. Forensic Genetics, Department of Cell Biology and Genetics, University Member 2005-2007
Didi Ebert	M.S. Osteopathic Manipulative Management, Committee Member, 2005-2007
Tracey Minzenmayer	Ph.D. Department of Psychology, University Member, 2005-2006
Allison Heath	M.S. Department of Cell Biology and Genetics, Committee Chair, 2005-2006
Heath White	M.S. Clinical Research and Education, Committee Member, 2005-2006

Tushar Thakre Ph.D. Department of Integrative Physiology, Committee Member, 2004-2007

Elizabeth McCurdy M.S. Osteopathic Manipulative Management, Committee Member, 2004-2006

Oral Qualifying Exam Committee

Victor Lin Ph.D. Department of Biochemistry and Molecular Biology, University Member,

2014

Nick Kubelka Ph.D. Department of Pharmacology and Neuroscience, University Member, 2014

Victor Taylor Ph.D. Department of Cell Biology and Anatomy, Member, 2011.

Jing-wei Fu Ph.D. Department of Pharmacology and Neuroscience, University Member, 2010.

Hunaid Gurji Ph.D. Department of Integrative Physiology, University Member, 2009.

Tasneem Putliwala Ph.D. Department of Cell Biology and Anatomy, 2009.

Nimrat Kaur Ph.D. Department of Cell Biology and Anatomy, 2009.

Matt Roso Ph.D. Department of Cell Biology and Anatomy, 2009.

Matt Owings Ph.D. Department of Cell Biology and Anatomy, 2009.

Brandon Wurtz Ph.D. Department of Molecular Biology and Immunology, University Member,

2008

Amber Ondricek Ph.D. Department of Cell Biology and Genetics, 2008

Yalla Mettikolla Ph.D. Department of Biomedical Sciences, Member, 2008

Devin Flaherty Ph.D. Department of Integrative Physiology, University Member, 2007

Mallika Valapala Ph.D. Department of Biomedical Sciences, Chair, 2007

Myriam Iglewski Ph.D. Department of Biomedical Sciences. Member. 2006

BMSC 6010/6310 Committee Member

Victor Taylor Ph.D. Department of Cell Biology and Anatomy, Member, 2012.

Barrett Cromeens Ph.D. Department of Cell Biology and Anatomy, Member, 2011.

Tiffany Davis Ph.D. Department of Cell Biology and Anatomy, Chair, 2010.

Matt Owings Ph.D. Department of Cell Biology and Anaotmy, Member, 2010.

Hunaid Gurji Ph.D. Department of Integrative Physiology, Member, 2010.

Brandon Wurtz Ph.D. Department of Molecular Biology and Immunology, University Member, 2008

Mentoring

SMART and McNair Summer Research Programs - Summer Research for Undergraduate Students

Summer 2012 Ashley Kinsall - SMART Scholar Summer/Fall 2009 Nao Takeuchi - UTA Kinesiology student Summer 2005 Towanta Reese - SMART Scholar Summer 2004 Kitrina Nodd, Estela Cardenas, Lorena Gallegos – SMART and McNair Scholars Summer 2003 Lindsay Smith and Shenequa Nodd - SMART Scholars Summer 2002 Rakeysha Pinkston - SMART Scholars Summer 2001 Michael Underwood II and Cera Ridley - SMART Scholars Summer 2000 Albert Calvin III and April Enard (completed UNTHSC's post-baccalaureate program,

Mentor - Project SCORE Summer Research Experience for Teachers

Summer 2007 Jamie McNeal, High School Science Teacher at Southwest High School, FWISD

Summer 2006 Jamie McNeal, High School Science Teacher at Southwest High School, FWISD

Summer 2005 Jamie McNeal, High School Science Teacher at Southwest High School, FWISD

currently enrolled in TCOM) - SMART Scholars

Junior Faculty Mentor

2016-present	Magda Muchlinski, Associate Professor, Center for Anatomical Sciences
2016-present	Scott Maddux, Assitant Professor, Center for Anatomical Sciences
2011-2013	Rehana Lovely, Assistant Professor, Department of Cell Biology and Anatomy, Junior Faculty Mentor
2010-2012	Claire Kirchhoff, Assistant Professor, Department of Cell Biology and Anatomy, Junior Faculty Mentor
2009-2011	Cara Fisher, Instructor, Department of Cell Biology and Anatomy, Junior Faculty Mentor
2002-2009	Gary Scott, Ph.D., Program Manager of Project SCORE, Research Assistant CBAN

Mentoring of Medical/Graduate Students

2011-2012 Shawn Hughes, Anatomical Research Project, TCOM Student – Class of 2015

2011-present Addison Wood, Anatomical Research Project, TCOM Student – Class of 2015

2009 Matt Roso, Tiffany Davis, Matt Owings, Jessica Alexander – Student Prosectors

2008-2009 Cara Fisher, Graduate Student, Department of Cell Biology and Genetics

2002 George Gibson, Jeremy Huff – Student Prosectors

2001 Tom Sozio, Sonya Clark, Kay North, Terrie Flatt, Shelle Smith, Ankit Patel – Student

Prosectors

Other Mentorship

2003-2005 Catherine R. Gresham, Physician Assistant Program – Graduation 2005

2004-2005 Ashlee Inman, M.S. School of Public Health, MKITS Fellow

F. SERVICE

UNTHSC Committee Memberships Positions

2016-present UNTHSC/TCU MD School Curriculum Planning Committee, UNTHSC, Member

2016-present TCOM Curriculum Committee, Texas College of Osteopathic Medicine, Member

2016-present Valubility of the Year Award Selection Committee, University-wide, Member

2016-present Student Performance Committee, Texas College of Osteopathic Medicine, Member,

Appointed by Don Peska, Dean, June 7, 2016

2016 Vulnerability Assessment Team, US Department of Homeland Security, Fort Worth

1st Responders, and UNTHSC Personnel, Committee Member

2016-present Graduate School of Biomedical Sciences, Traditional Graduate Student Admissions

Committee, Member

2015 Graduate School of Biomedical Sciences, Promotion and Tenure Committee, Ad hoc

Member

2015-present Student Doctor of the Year Selection Committee – Medical Student Government

Association, TCOM/UNTHSC

2015 School of Health Professions, Promotion and Tenure Committee, Ad hoc member

2015-2016 Infection Control Committee, Faculty Member

2014-2015	Admissions Committee, Masters of Medical Science Program, Graduate School of Biomedical Sciences, UNTHSC, Member
2014-2016	Center for Diversity and International Programs Council, Member, UNTHSC
2013-2014	Faculty Grievance and Appeals Committee, Chair, Elected Position
2013-2014	Graduate Program Reorganization Committee, GSBS
2013-2015	Medical Science Core Curriculum Committee, GSBS
2012-present	Curriculum Liaison Committee, UNTHSC
2012-2103	UNTHSC Annual Awards Screening Committee, UNTHSC
2012-2013	Faculty Grievance and Appeals Committee, Elected Position, UNTHSC
2012-2014	TCOM Curriculum Planning Committee, Development of New Curriculum, TCOM
2012-2013	School-wide Ad hoc Committee, Review of Potential Risk Exposure to Minors
2012-2015	Faculty Compensation Committee, UNTHSC
2012	Faculty Workload Committee, Graduate School of Biomedical Sciences
2011-2013	Promotion and Tenure Committee, Graduate School of Biomedical Sciences, UNTHSC. Chairman
2011	Masters of Medical Science Program Review Panel, Chairman, Graduate School of Biomedical Sciences, UNTHSC
2011-2012	Student Conduct Committee, TCOM, Chairman
2011-2013	Scholarship, Loans and Awards Committee, UNTHSC, Chairman
2010-2012	UNTHSC Faculty Senate. <u>Elected position</u>
2010-present	Admissions Policy Advisory Committee, Texas College of Osteopathic Medicine, GSBS Representative, Member
2009-2011	Promotion and Tenure Committee, Graduate School of Biomedical Sciences, At-large Member, UNTHSC. <u>Elected position</u> .
2009-2010	Scholarship, Loans and Awards Committee, UNTHSC
2009-2012	DO/PhD Dual-degree Program Selection Committee
2008-2009	Bylaws Review Committee, Graduate School of Biomedical Sciences, UNTHSC
2007-2008	Scholarship, Loans and Awards Committee, Texas College of Osteopathic Medicine, Interim Chairman, UNTHSC

2007-present	Student Performance Committee, Physician Assistant Program, UNTHSC. Appointed on September 1, 2014 for another 3-year term.
2007-2012	President's Strategic Thinking Council for Community Engagement, Council member, UNTHSC
2007-2009	Admissions Committee, Masters of Medical Science Program, Graduate School of Biomedical Sciences, UNTHSC
2006-2009	Promotion and Tenure Committee, Graduate School of Biomedical Sciences, Ad hoc member, UNTHSC
2006-2009	Graduate School of Biomedical Sciences' Scholarship Selection Committee, UNTHSC
2004-2008	Scholarship, Loans and Awards Committee, Texas College of Osteopathic Medicine, Member, UNTHSC
2002-2006	Distributed Learning Planning Group, UNTHSC, Chairman
2002-2006	Information Resource Working Group, UNTHSC
2002-2006	Institutional Effectiveness Committee, Sub-committee for President's Award for Best Practices, Review Panel, UNTHSC
2002-present	Graduate School of Biomedical Sciences, Graduate Council, Member
2001-2006	Institutional Effectiveness Committee, UNTHSC
2001-2010	Student Performance Committee, Texas College of Osteopathic Medicine, UNTHSC.
2001-2003	UTA 7-year Advisory Committee, B.S./D.O. Program, Joint Program with the University of Texas at Arlington and the Texas College of Osteopathic Medicine, Founding Member.
2000-2003	Medical School Admissions Committee, TCOM/UNTHSC
2000-2001	Enhancing Communication Committee, UNTHSC
1997-1998	Vice President, Postdoctoral Scholars Association, UNTHSC

<u>Department Committee Membership</u>

2015-present	PA/PT Anatomy Curriculum Committee, Member
2014-present	Structural Anatomy and Rehabilitation Sciences Faculty Advisory Committee, Member
2010-present	Anatomy Education Committee, Chair, Department of Cell Biology and Anatomy, Department of Integrative Physiology and Anatomy, currently Center for Anatomical Sciences, UNTHSC

2008-present	Department of Cell Biology and Anatomy, Integrative Physiology and Anatomy, and currently Center for Anatomical Sciences - Scholarship Committee, Member and Chair
2008-present	Graduate Adviser, Structural Anatomy and Rehabilitation Sciences Ph.D. Track, Department of Cell Biology and Anatomy, Department of Integrative Physiology and Anatomy, and now in the Center for Anatomical Sciences, UNTHSC
2007-2009	Medical Education Committee, Chair. Department of Cell Biology and Genetics. UNTHSC.
2006-2013	Faculty Selection Committee, Department of Cell Biology and Anatomy, Department of Integrative Physiology and Anatomy, and now in the Center for Anatomical Sciences, Member and Chair, UNTHSC
2004-2007	Academic Affairs Committee, Chairman, Department of Cell Biology and Genetics, UNTHSC
2001-2002	Search Committee, Gross Anatomy Laboratory Instructor, Department of Pathology and Anatomy, UNTHSC, Chairman
1999-2004	Academic Affairs Committee, Department of Pathology and Anatomy, UNTHSC

<u>UNTHSC - Other Service</u>

2017-present	Team Tours Advisory Council, Office of Communications, UNTHSC, Member
2016	Selection Committee – Student Doctor of the Year Award, Council of Osteopathic Student Government Presidents, TCOM, Member
2016	Coordinator – TCOM Histology Lectures/Assessment for 1st Year Medical Curriculum
2016	Search Committee, Chair Position for Department of Physical Therapy, School of Health Professions, UNTHSC, Member
2016	Selection Committee, Associate Director of the Medical Science Program, GSBS, Member
2016	Selection Committee, CRM Director, GSBS, Member
2016	Search Committee Chair, Two Faculty Positions, Center for Anatomical Sciences
2015-present	2016 Student Doctor of the Year Award Selection Committee – UNTHSC, Member
2015-present	Student Leadership Academy – Faculty Mentor
2013-2014	Online Education Planning Committee, Graduate School of Biomedical Sciences
2010-2011	Salary/Compensation Focus Group, Faculty Senate, UNTHSC
2008-2012	Director of the Bioskills Research and Education Laboratory (BSREL), Department of Cell Biology and Anatomy, UNTHSC

2008-present	Texas Academy of Biomedical Sciences (TABS) Advisory Committee, TABS Coordinator for UNTHSC, Joint Project with UNTHSC, UNT-Denton, Tarrant County College, and the Fort Worth ISD
2006-2013	Supervisor, Embalming Facilities and Staff, Department of Cell Biology and Anatomy
2005-2011	Medical School Interview Workshop for Post-baccalaureate (Med Science) Premedical Certification Program.
2002-2010	Chair, Executive Committee, Project SCORE. Evaluation and oversight of NSF-funded Project SCORE.
2002-2005	Panelists, Introduction to Industry Practice/Career Panel, Sponsored by the the Graduate School of Biomedical Sciences, UNTHSC
2002-2004	Basic Science Coordinator, UNTHSC Joint Admissions Medical Program (JAMP)
2001-2012	Medical School Admissions/Outreach Tours of Human Anatomy Laboratory
2001-2004	Panelists, Prospective Medical Student Advisory Panel, UNTHSC
1996-2005	SMART and McNair Scholars program mentor for undergraduate minority and underrepresented students, UNTHSC.
1993-1995	START summer enrichment program mentor for minority high school students, science research projects at UNTHSC.

<u>Professional Service - Local, State, National, International</u>

2015	Facility Inspection Team, Texas State Anatomical Board
2015	Nomination Committee, Texas State Anatomical Board
2013-present	Texas State Anatomical Board Representative – UNT Health Science Center
2013	Paschal High School Scientific Review Committee (SRC), Reviewer
2011-2013	North Texas Regional P-16 Council, Member
2011-2013	North Texas Regional P-16 Council; Research, Accountability, Assessment Subcommittee, Member
2008-2011	Councilor-at-large, 2 nd -term, American Association of Clinical Anatomists
2007-2010	Project Advisory Committee, NIH-NCCAM Research Education Project Partnership Grant. Osteopathic Research Center. UNTHSC.
2007-2008	Health Professions Information Days. Richland College, Dallas, TX. Panelists for Medical, Osteopathic, and Dental Schools.
2007-2009	Membership Committee, the American Association of Clinical Anatomists

2007-2009	Planning Committee for the Fort Worth ISD Biomedical Science/Biotechnology Institute, currently TABS (Texas Academy for Biomedical Science)
2007-2008	Program Committee for the 2008 Meeting of the International Association of Medical Science Educators (IAMSE).
2006-2007	Advisory Council for the "Preparing Academically Successful Students (PASS)" grant, Fort Worth Independent School District, funding from the Texas Education Agency.
2005-2007	Advisory Council for the "Accelerated Science Achievement Program (ASAP)", Fort Worth Independent School District grant from the Texas Education Agency for Science TAKS (Texas Assessment of Knowledge and Skills) preparation.
2005-2007	Councilor-at-large, 1st-term, American Association of Clinical Anatomists
2004-2005	Program Committee for the 4th Joint Meeting of the American Association of Clinical Anatomists/British Association of Clinical Anatomists in New York City, July, 2005. Symposium Chair, Science Outreach Programs at Health Science Centers in the U.S.
2004-2012	Education Listserve Administrator, American Association of Clinical Anatomists
2003-present	Board Member, Secretary/Treasurer, Computer-based Anatomy Products, Inc. (CAPI), Fort Worth, TX

Community Service

2010-2011	Habitat for Humanity, Collin County, TX.
2009-2010	Acting Team Manager, Texas Aces Tier II-16U Ice Hockey Team. McKinney, TX.
2009-2010	Faculty Sponsor, University of North Texas Ice Hockey Team. UNT-Denton Campus.
2008-2009	Director of Team Development, Board Member, Plano East Hockey Assn., Plano, TX.
2007-2011	Community Service Coordinator - Collin County Meals on Wheels' Secret Santa for Seniors Program. Plano East Hockey Association, Plano, TX. Coordinator of volunteer efforts of Junior Varsity and Varsity teams.
2007-2008	Advisory Committee for Board of Directors, Plano East Hockey Association. Plano, TX.
2006-2007	Member, Landscaping Committee, Suncreek Home Owners Association, Allen, TX.
2005-2008	Assistant Coach, Texas Aces Hockey, Youth Ice Hockey Organization, Plano, TX.
2003-2005	Volunteer, Texas Aces Hockey Club, Youth Ice Hockey Organization, Plano, Texas.
2003-2004	Volunteer, Plano Independent School District, 5-th Grade, Science Camp Counselor (1-week), Camp Classen/Outdoor Learning Facility, Ardmore, OK.
2002-2008	Judge, Science Fair, Paschal High School, Fort Worth Independent School District

1999	Judge, Science Fair, Hedgecoxe Elementary School, Plano ISD.
1998-2001	Plano Sports Association Volunteer, Youth Roller Hockey, Assistant Coach, Plano, TX.
1998-2000	Plano Baseball Association Youth League Volunteer, Head Coach for Boys T-ball and Kids Pitch Baseball Team, Plano, TX.
1996-1998	YMCA Youth Summer Sports Program Volunteer, Coach for Girls Softball Team, Plano,TX.
1995-1998	Judge, Science Fair, North Side High School, Fort Worth ISD.
1991-1993	Volunteer, Waxahachie High School Science Club, sponsored by the Texas National Research Laboratory Commission in conjunction with the Superconducting Supercollider (SSC) Project in Ellis County, TX

G. PROFESSIONAL ACTIVITIES

Book and Journal Reviewer

DOOK AHU JOUI HAI KE	<u>viewei</u>
2015-present	Medical Science Educator, Journal for the International Association of Medical Science Educators, Springer (publisher)
2010-present	Argentine Journal of Clinical Anatomy (Revista Argentina de Anatomia Clinica)
2007-present	Journal Review for <i>Anatomical Sciences Education,</i> Journal for the American Association of Anatomists.
2006	Invited book review for <i>Clinical Anatomy</i> , published in 2007.
2006-present	Journal Reviewer for Medical Education
2002-present	Journal Reviewer for <i>Clinical Anatomy</i> . Journal for the American Association of Clinical Anatomists.
Grant Reviewer	
2010	Grant Review Panel, Texas Education Agency, Science Technology Engineering and Mathematics (STEM) Center Grants
2009	Seed Grant Peer Review Panel – UNT Health Science Center
2008	Grant Review Panel, National Science Foundation (NSF), Graduate Teaching Fellows in K-12 Program, Review Panelists, Washington D.C.
2004	Grant Review Panel, National Science Foundation (NSF), Math and Science Partnership Award, Review Panelists, Washington D.C.
<u>Abstract Reviewer</u>	

Reviewer for the 2017 Annual Meeting of the American Association of Clinical Anatomists, Minneapolis, MN. 2016-2017

2015-2016	Reviewer for the 2016 Annual Meeting of the American Association of Clinical Anatomists, Oakland, CA.
2015-2016	Abstract Review Committee for the 2016 Meeting of the International Association of Medical Science Educators (IAMSE).
2014-2015	Abstract Review for the 2015 Annual Meeting of the American Association of Clinical Anatomists, Henderson, NV.
2013-2014	Abstract Review for the 2014 Annual Meeting of the American Association of Clinical Anatomists, Orlando, FL.
2012-2013	Abstract Review for the 2013 Meeting of the International Association of Medical Educators, St. Andrews, Scotland.
2012-2013	Abstract Review for 2013 Annual Meeting of the American Association of Clinical Anatomists, Denver, CO.
2011 - 2012	Abstract Review for 2011 Annual Meeting of the American Association of Clinical Anatomists, Columbus, OH.
2009-2010	Abstract Review Committee for the 2010 Meeting of the American Association of Clinical Anatomists (AACA)
2008-2009	Abstract Review Committee for the 2009 Meeting of the International Association of Medical Science Educators, Leiden, Netherlands (IAMSE).
2007 - 2008	Abstract Reviewer for the 2008 Annual Meeting of the International Association of Medical Science Educators, Salt Lake City, UT
2003 - 2004	Abstract Reviewer for the 2004 Annual Meeting of The American Association of Clinical Anatomists, Graz, Austria.
<u>Consultant</u>	
2012	UNT-IGERT Grant Submission to NSF, Next Generation Healthcare Delivery using Wearable and Wireless Biomedical Sensors and Systems. Not funded.
2009	National Science Foundation, SMILE Grant Proposal, Patti Gwirtz, Prinicipal Investigator, Graduate School of Biomedical Sciences, UNTHSC, \$3,000,000. Not funded.
2007-2009	ASAP Program. Grant sponsored by the Texas Education Agency. Recruit graduate students and schedule field trips/activities on the health science center campus for the following FWISD campuses; South Hills, Eastern Hills, Polytechnic, Paschal, O.D. Wyatt, New Lives, and Success High School. Contract for \$8995.00 administered through the Department of Cell Biology and Genetics. Funded.
2008	YMCA of Fort Worth, Afterschool CATCH Kids Club, Grant proposal consultation. Proposed Administrator of External Evaluation Team from UNTHSC. Not funded.

Advisory Board Member

2007-2012 HealthCorps Advisory Board: HealthCorps, New York, NY. A National Health Outreach

Organization for Children focusing on child nutrition. CEO/Founder - Dr. Memmet Oz,

http://www.healthcorps.net/about-us/board-advisors

Meeting Session Moderator, Chair, Judge

June 2013 Focus Session Organizer/Chair, Session title: "K-12 Science Outreach Funding: An

Opportunity Often Overlooked in Medical Education". International Association of

Medical Educators, St. Andrews, Scotland, UK.

July 2010 <u>Session Moderator</u>: Tech-Fair Session, Annual Meeting of the American Association of

Clinical Anatomists, Honolulu, Hawaii.

2006-2008 *ludge*: Annual Meeting of the American Association of Clinical Anatomists, Sandy C.

Marks Jr. Student Poster Presentation Award.

July 2005 <u>Symposium Chair</u>: 4th Joint Meeting of The American Association of Clinical Anatomists

and the British Association of Clinical Anatomists. New York City, NY. Symposium on "The Role of Medical Health Science Institutions in preK-12 Outreach Programs", my presentation: "Human Anatomy: the perfect tool for stimulating K-12 teachers' and

students' curiosity about science.

H. SCHOLARLY ACTIVITY

Grants and Contracts

Funded

2016-2017 JP Morgan/Chase Foundation Grant. Funding for the Texas Academy of Biomedical

Sciences. Summer 2017 Program and 2015-16 Preceptorship Program. 1 year contract @

\$100,000. PI and Program Coordinator.

Human Anatomy Pre-matriculation Course, Summer course at UNTHSC for 78 students.

\$8,190 total raised; \$5,618 for Anatomy faculty/programs; \$2,470 for student

scholarships.

2015-2016 JP Morgan/Chase Foundation Grant. Funding for the Texas Academy of Biomedical

Sciences. Summer 2016 Program and 2015-16 Preceptorship Program. 1 year contract @

\$75,000. PI and Program Coordinator.

2015-2016 UNTHSC Intramural Pilot Funding Grant. The role of posterior tiblial slope in achieving

physiological patellofemoral kinematics and cruciate strain retaining vs constraining implant designs. 1 year contract @ \$20,000. Co-PI with Russell Wagner, MD as PI. Dual

degree student Addison Wood's research project.

2015-2016	Veterans Administration (VA) North Texas Health Care System (Dallas), VA Interagency Personnel Agreement. Million Veterans Program. 1 year contract @ \$58,000. PI.
2015	Human Anatomy Pre-matriculation Course, Summer course at UNTHSC for 116 students. \$11,600 total raised; \$7,957 for Anatomy faculty/programs; \$3,410 for student scholarships.
2014-2015	JP Morgan/Chase Foundation Grant. Funding for the Texas Academy of Biomedical Sciences. Summer 2015 Program and 2014-15 Preceptorship Program. 1 year contract @ \$75,000. PI and Program Coordinator.
2014	Human Anatomy Pre-matriculation Course, Summer course at UNTHSC for 153 students. \$15,300 total raised; \$8,680 for Anatomy faculty/programs; \$4,498 for student scholarships.
2013-2014	JP Morgan/Chase Foundation Grant. Funding for the Texas Academy of Biomedical Sciences. Summer 2014 Program and 2014-15 Preceptorship Program. 1 year contract @ \$50,000. PI and Program Coordinator.
2013	Fort Worth ISD, Texas Academy of Biomedical Sciences, 2013 Summer Bridge Program, 1 year contract @ \$17,600. PI and Program Coordinator.
2013-15	Veterans Administration (VA) North Texas Health Care System (Dallas), VA Interagency Personnel Agreement. Million Veterans Program. 2 year contract @ \$116,000. PI.
2013	Small Equipment Grant, Graduate School of Biomedical Sciences, PI, UNTHSC. \$23,500.
2013	Human Anatomy Pre-Matriculation Course, Summer course at UNTHSC for 124 students. \$12,400 total raised; \$8,680 for Anatomy faculty/programs; \$3,720 for student scholarships.
2012	Fort Worth ISD, Texas Academy of Biomedical Sciences, 2012 Summer Biomedical Science Camp, 1 year contract @ \$15,400. PI and Program Coordinator.
2012	American Honda Foundation Equipment Grant for Biomedical Skills and Research Laboratory Ultrasound Unit and the Texas Academy of Biomedical Sciences, 1 year/\$50,000. PI and Program Coordinator.
2011	Fort Worth ISD, Texas Academy of Biomedical Sciences, 2011 Summer Biomedical Science Camp, 1 year contract @ \$37,600. PI and Program Coordinator.
2010	Texas Workforce Commission, Fort Worth ISD, Summer Merit Program. TABS Summer Program, 2010. 1 year/\$100,000. Co-I and Program Manager.
2005-2010	National Science Foundation "GK-12" Program Grant. Project SCORE: Development of a Permanent Outreach Partnership Between Teaching Fellows and Science Teachers/Students of the Fort Worth Independent School District, 5 years/\$1.8 million. Principal Investigator. Award #0440334.
2004	American Association of Anatomists (AAA)/FASEB Research Meetings Outreach Grant. \$3000 grant to Sponsor Science Education Outreach Symposium at 2005 American

	Association of Clinical Anatomists (AACA) meeting in New York City, NY. International meeting for the American and British Associations.
2003-2008	National Institute of Health MKITS - "Minority K-12 Initiative for Teachers and Students (MKITS)" Program. 5 years/\$1.35 million. Co-investigator. Grant # 1 R25 HL075749-01
2002-2005	National Science Foundation "GK-12" Program Grant. "Project SCORE: Graduate Teaching Fellows/Teacher Partnership for Science Curriculum Enhancement in the Fort Worth Independent School District, 3 years/\$1.6 million. Principal Investigator. Award #0139089.

Grants Submitted but Not Funded

2010	National Science Foundation, "New GK-12" SMILE: Science and Math in Learning and Education. Submitted June, 2010. Co-PI, \$3,000,000.
2008	JES Edwards Foundation, Outreach grant to support UNTHSC Graduate Students working with at-risk high school science students. $\$10,\!000$
2006	Exxon-Mobil grant for summer Anatomy Academy program for area science teachers. \$100,000.
2005	Space Life Science Integration in the Curriculum and Education (SPLICE). National Space Biomedical Research Institute (NSBRI). 01/01/06-12/01/12. Roueld Roque, PI. Rustin Reeves, Co-PI. \$2,300,000.
2005	Science Education Partnership Award, Educational Outreach/Training Grant, National Institute of Health, Principal Investigator. \$1,250,000
2001	Graduate Teaching Fellows in K-12 Program, Educational Outreach/Training Grant, National Science Foundation, Principal Investigator. \$1,500,000
2000	Graduate Teaching Fellows in K-12 Program, Educational Outreach/Training Grant, National Science Foundation, Principal Investigator. \$1,500,000

Other Funding Sources

1999	Department Research Funds. UNTHSC, Department of Anatomy and Cell Biology, \$2500.
1998	Department Research Funds. UNTHSC, Department of Anatomy and Cell Biology, \$2000.
1997-1998	University of North Texas Health Science Center at Fort Worth - Postdoctoral Fellowship
1996	ARVO/National Eye Institute Travel Fellowship/Grant
1996	Western Eye Research Conference VI - Travel Grant

Invited Seminars/Presentations

Nov 2015 "Willed Body Program at UNTHSC: Educational and Research Activities", West Fort Worth

	Rotary Club, Ridglea Country Club. Fort Worth, TX
April 2012	"The Medical Science Masters Program". University of Houston Pre-Medical Society, U of Houston.
May 2011	Trends in Medical Education/Global Health for the $21^{\rm st}$ Century – METSA Academy, Carollton, TX.
Feb 2010	Trends in Medical Education for the $21^{\rm st}$ Century. MEDS – Medical Ethics Discussion Society. Baylor Pre-Med Program. Baylor University. Waco, TX.
Jan 2010	Elements of a Successful GK-12 Program. University of North Texas, Denton Campus. Invited by Richard Nader, PhD, Director, Research Development, Office of VP for Research and Economic Development, UNT-Denton.
Feb 2008	Sharing Graduate Fellows Research via Two-way Videoconferencing. Special Technology Symposium. National Science Foundation 8 th Annual Graduate Teaching Fellows in K-12 Meeting. Washington DC.
Nov 2007	Science Outreach for K-12 via Two-way Videoconferencing. The Department of Biomedical Communications, The University of North Texas Health Science Center. Fort Worth, TX.
May 2007	Promoting Science Outreach Programs for Faculty Development. The Ohio State University College of Medicine. Department of Physiology and Cell Biology, Division of Anatomy, Columbus, OH.
Nov 2005	Hybrid Science Educators: An Alternative Path for Academic Careers. Outstanding Graduate Faculty Seminar Series. Graduate School of Biomedical Sciences/Graduate Student Association. UNTHSC, Fort Worth, TX.
Mar 2003	Integrating Computers and Technology with Dissection in the Human Anatomy Laboratory: Improving Efficiency in the Modern Laboratory Setting, University of North Texas Health Science Center, Fort Worth, TX.
Dec 2002	Integrating Computers and Technology with Dissection in the Human Anatomy Laboratory: Improving Efficiency in the Modern Laboratory Setting, University of Kentucky, Lexington, KY.
Nov 2001	Teaching the Anatomical Sciences in Today's Medical School Curriculum: A Challenge for the New Millennium, Texas Woman's University, Denton, TX.
May 1999	Technology in Teaching: The Classroom for the New Millennium, University of North Texas Health Science Center, Fort Worth, TX.
Sept 1998	Characterization of the Myo-inositol Efflux Pathway in Cultured Bovine Lens Epithelial Cells, Texas Woman's University, Dallas, TX.
Sept 1997	Characterization of the Myo-inositol Efflux Pathway in Cultured Bovine Lens Epithelial Cells, UNT Health Science Center. Graduate Dissertation Presentation
May 1994	Development of a Myo-inositol Efflux Bioassay in Cultured Bovine Lens Epithelial Cells, UNT Health Science Center. Graduate Student Seminar Series

<u>Invited School/Classroom Presentations - Science Outreach - Local</u>

May 2013	Texas Academy of Biomedical Sciences, RT-PCR Lab Discussion/Demonstration, 9th Grade biology classroom.
May 2008	Oakhurst Elementary School, FWISD. Career Day presentation to 5 th Grade classrooms.
April 2007	North Hi Mount Elementary School, Careers in Science: Making a Career out of Anatomy Education. All $4^{\rm th}$ and $5^{\rm th}$ grade students.
March 2007	South Hills High School Career Day. Invited by SCORE teacher Karyn Brice, 3 9^{th} grade Biology classes (\sim 90 students). Presentation on careers in science.
April 2006	Career Day presentation at George C. Clarke Elementary School in Fort Worth ISD for 4^{th} and 5^{th} grade students (210 total). Career Day Assembly. Presented: Careers in Science and Medicine.
2004-2008	MKITS Spring Classroom presentation to all 5th-grade science classrooms at J.P. Elder Middle School for recruitment of students for the 6th-grade Summer Cardiopulmonary Science Camp.

Publications

Full-length Papers - Published

Vuvi H. Nguyen, Hao Lui, Armando Rosales, and **Rustin Reeves**. A Cadaveric Study on the Surface Projection of the Dorsal Scapular Nerve. International Journal of Physical Therapy and Rehabilitation. Vol. 2:131; 2017. ISSN: 2455-7498; https://doiorg/10.15344/2455-7498/2017/131

Vuvi H. Nguyen, Hao (Howe) Lui, Armando Rosales, and **Rustin Reeves**. "A Cadaveric Investigation of the Dorsal Scapular Nerve," Anatomy Research International, vol. 2016, Article ID 4106981, 1-5, 2016; 10.1155/2016/4106981

David Le, Shahid Safi, Patricia Gwirtz, Monica Bennett, **Rustin Reeves**, Librada Callender, Cynthia Dunklin, Samantha Cleveland. Effect of Obesity on Motor Outcome of Rehabilitating Traumatic Brain Injury Patients. *American Journal of Physical Medicine and Rehabilitation*. 2014. DOI: 10.1087/PHM.0000000000000222: 94(8): 627-632, August 2015.

Cromeens, Barrett, Claire Kirchhoff, Rita Patterson, Travis Motley, Donald Stewart, Cara Fisher, **Rustin Reeves**. An Attachment Based Description of The Medial Collateral and Spring Ligament Complexes. *Foot and Ankle International*, DOI: 10.1177/1071100715572221. Vol. 36, 6: pp 710-721. June 2015.

Xiangron Shi, Larry Tubb, Shande Chen, Kimberly G. Fulda, Susan Franks, **Rustin Reeves**, George Lister. Association of health disparities and physical activity with children's health and academic problems. *Journal of Exercise Science and Fitness*. 2014. 12:7-14.

Patrick R. Fraser, Victor Taylor II, **Rustin E. Reeves**, Geoffrey D. Guttmann. Case Study on the Pathology of the Greater Trochanter. *Journal of Scientific Medicine*. Clinical Case Report. 2014. 2(6): 1061.

Taylor V, Guttmann GD, **Reeves RE**. A variant accessory muscle of the gluteus maximus. *International Journal of Anatomical Variations*. 2014. 7: 1000-1001.

Wood A, **Reeves R**, Rosales A. Bilateral gluteus medius foramina containing portions of the superior gluteal neurovascular bundle. *International Journal of Anatomical Variations*. 2013. 6:59-60.

Lui H, Holmes V, Norton-Craft A, **Reeves R**. Variation of sternalis muscle: a case report. *International Journal of Anatomical Variations*. 2012. 5:59-61.

Cromeens BP, Patterson R, Sheedlo HJ, Motley T, Stewart D, Fisher C, Suzuki S, Su F, **Reeves RE**. Association of Hindfoot Ligament Tears and Osteochondral Lesions. *Foot and Ankle International*. 2012. Volume 32, Issue 12, 1164-1174.

Cromeens BP, **Reeves RE**. Anomalous Peroneus (Fibularis) Longus Muscle: An Atypical Insertion and Incomplete Distal Tendon. *Clinical Anatomy*. 2011. 24(9):997-999.

Reeves RE, Vishwanatha JK, Yorio T, Budd M, Sheedlo H. The post-baccalaureate premedical certification program at the University of North Texas Health Science Center strengthens admission qualifications for entrance into medical school. *Academic Medicine*. 83(1):45-51, January 2008.

Reeves, RE, Sheedlo HJ, Roque RS. Promoting graduate student interest and participation in human gross anatomy. *Anatomical Record, Part B: The New Anatomists.* 284B:1, 2005.

Reeves RE, Aschenbrenner JA, Wordinger RJ, Roque RS, Sheedlo HJ. Improved dissection efficiency in the human gross anatomy laboratory by the integration of computers and modern technology. *Clinical Anatomy*. 17:4;337-344, 2004.

Patrick R. Cammarata, Grant Schafer, Shiuh-Wei Chen, Zhen Guo, and **Rustin E. Reeves**. Osmoregulation in taurine uptake in cultured human and bovine lens epithelial cells. *Invest. Ophthalmol. Vis. Sci.* 43:425-433, 2002.

Cammarata, P.R., Zhou, C., Chen, S.-W., Sing, I., **Reeves, R**., Cuzak, J. R., and Robinson, M.L. A Transgenic Animal Model of Osmotic Cataract. Part 1: Mice Overexpressing Bovine Sodium Myo-inositol Cotransporter in Lens Fibers. *Invest. Ophthalmol. Vis. Sci.* 40:1727-1737, 1999.

Reeves, R.E., Sanchez-Torres, J., Coca-Prados, M. and Cammarata, P.R. Expression of pIcln mRNA in Cultured Bovine Lens Epithelial Cells: Response to Changes in Cell volume. *Exp. Eye Res.* Vol 11:17, September 1998.

Reeves, R. and Cammarata, P.R. Osmoregulatory Alterations in Myoinositol Uptake by Bovine Lens Epithelial Cells. Part 5: Mechanism and Regulation of the Myo-inositol Efflux Pathway. *Invest. Ophthalmol. Vis. Sci.* 37: 619-629, 1996.

Zhou, C., Chen, H., **Reeves, R.**, Agarwal, N. and Cammarata, P.R. Osmoregulatory Alterations in Myo-inositol Uptake by Bovine Lens Epithelial Cells. IV. Induction Pattern of Na+-Myo-inositol Cotransporter mRNA Under Hypertonic Conditions Denoting an Early-Onset, Interactive, Protective Mechanism Against Water Stress. Invest. *Ophthalmol. Vis. Sci.* 35:4118-4125, 1994.

Cammarata, P.R., Chen, H.-Q., Zhou, Cheng, and **Reeves, R**. Osmoregulatory Alterations in Myo-inositol Uptake by Bovine Lens Epithelial Cells. III. Effects of Cycloheximide and Colchicine on Na+/Myo-inositol Cotransporter Activity Under Hypertonic Conditions, Inhibition of a Plasma Membrane Osmotic Stress Protein. *Exp. Eye Res.* 59:83-90, 1994.

Online News Articles - Published

Computers with every Cadaver, published by Helen Pearson from presentation at American Association of Anatomists (AAA) meeting in 2002 by Rustin E. Reeves. Nature News. Doi.10.1038/news020422-9. Published online April 24, 2002. http://www.nature.com/news/2002/020424/full/news020422-9.html

Book Review - Published

Reeves, Rustin E. Anatomy: A Regional Approach of the Human Body, 5th ed., by Carmine D. Clement. Published online at Wiley Interscience (<u>www.interscience.wiley.com</u>) DOI 10.1002/ca.20437, 2007

Newsletter Articles - Published

Rustin E. Reeves, Ph.D. "Session Highlights PreK-12 Outreach". Invited article for *American Association of Anatomists News*, the quarterly newsletter for the AAA. December, Volume 14(4), page 9, 2005.

Educational Material - CD Roms and other Teaching Aides

Sheedlo HJ, Reeves, RE, Worth J, Rosales R. (2016). Digital Dissector 4.0: An Integrated Approach to Human Anatomy; eBook Version.

Sheedlo HJ, Reeves RE, Aschenbrenner JA, Wordinger RJ and Roque RS. (2005). <u>Anatomy Creator 2.2</u>. Computer-based Anatomy Products, Inc. Fort Worth, TX

Sheedlo HJ, Reeves RE, and Wordinger RJ. <u>Digital Histology 2.2.</u> (2005). Computer-based Anatomy Products, Inc. Fort Worth, TX. (student and teachers versions)

Sheedlo HJ, Reeves RE, and Rosales AS. (2002). <u>Prosector 2.2: A Computer-based Study of Human Anatomy</u>. Computer-based Anatomy Products, Incorporated. Fort Worth, TX. (student and teacher versions)

Sheedlo HJ, Reeves RE, Aschenbrenner JA, Wordinger RJ and Roque RS. (2001). <u>Digital Dissecor 3.5: An Integrated Approach to Human Anatomy</u>. Computer-based Anatomy Products, Incorporated. Fort Worth, TX.

Full-length Papers - Submitted

Matthew B. Roso and Rustin E. Reeves. S-100 Peripheral Nerve Marker Identified in the Ligamentum Flavum: A Potential Source for Low Back Pain. Submitted to *Clinical Anatomy*, Jan 2012.

Cromeens, Barrett, Claire Kirchhoff, Rita Patterson, Travis Motley, Donald Stewart, Cara Fisher, Rustin Reeves. The Medial Collateral and Spring Ligament Complexes: An Attachment Based Description. Submitted to *Clinical Anatomy*, Jan 2012.

Sheedlo, Harold J, Rosales, Armando A., Cynthia E. Ledbetter, Reeves, Rustin E. A Human Anatomy Outreach Program for Middle and High School Science Teachers. Submitted to *Science Teacher*. May 2009.

Sheedlo Harold J., Armando A. Rosales, Jamboor Vishwanatha, Thomas Yorio, Rustin E. Reeves. Performance of Medical Students in the Anatomical Sciences Following a Post-baccalaureate Experience. Submitted to *Medical Teacher*. May 2007.

Abstracts, Posters, and Presentations

YOUNG, Matthew R¹, Armando ROSALES², and Rustin REEVES². Texas College of Osteopathic Medicine¹, Center for Anatomical Sciences², University of North Texas Health Science Center, Fort Worth, TX 76107, USA. <u>An Accessory Muscle of the Deep Compartment of the Posterior Leg: A Case Report</u>. 34th Annual meeting of the American Association of Clinical Anatomists. Minneapolis, MN. July 2017.

Vuvi Nguyen, Howe Liu, Armando Rosales, Rustin Reeves. A Cadaveric Investigation of the Dorsal Scapular Nerve. 33rd Annual Meeting of the American Association of Clinical Anatomists. Oakland, CA. June 2016.

Victor Taylor, Geoffrey Guttmann, Rustin Reeves. Contrasting Force Reduction at the Great Trochanter Using Different Surgical Procedures for Relief of Greater Trochanteric Pain Syndrome. Experimental Biology 2016 Conference: American Association of Anatomists, San Diego, CA. April 2016.

Addison Wood, Russell Wagner, Rita Patterson, Rustin Reeves. Muscular Architecture of the Posterior Knee and the Basic Science Implications. American Association of Orthopedic Surgeons. Orlando, Florida. March 2016.

Vuvi Nguyen, Howe Liu, Armando Rosales, Rustin Reeves. Anatomical Observation of the Dorsal Scapular Nerve: A Series of Anatomical Studies. 32nd Annual meeting of the American Association of Clinical Anatomists. Henderson, NV. June 2015.

Addison Wood, Rustin Reeves, Arvind Nana. An Objective Cadaveric Teaching Tool for Syndesmotic Ankle Injuries Using Fluoroscopy and Ultrasound. International Association of Medical Science Educators, San Diego, CA. June 2015.

George S. Chen, Yi Xiong, Bao X. Nguyen, Patrick R. Fraser, Rustin E. Reeves, Shande Chen, and Armando Rosales. Can cadaver racial disparity affect medical education? Research Appreciation Day. UNTHSC. April 2015.

Taylor II, V., Guttmann, G., and Reeves, R.E. Comparing Iliotibial Band Cut and Gluteus Maximus Cut in Greater Trochanteric Pain Syndrome. 31st Annual meeting of the American Association of Clinical Anatomists. Orlando, FL. July 2014.

Patrick R. Fraser, Tanner R. Neuman, Rustin E. Reeves, Armando A. Rosales. Racial Disparities Among Willedbody Donors in Human Anatomy Laboratories. Department of Integrative Physiology and Anatomy, Texas College of Osteopathic Medicine. Fort Worth, TX. American Association of Anatomists. San Diego, CA. April 2014.

Shi, Xiangrong, Larry Tubb, Shande Chen, Kimberly G. Fulda, Susan Franks, Rustin Reeves, George Lister. Association of health disparities and physical activity with children's health and academic problems. Journal of Exercise Science. Vol 1. 2014.

Taylor II, V., Guttmann, G., and Reeves, R.E. Comparing Iliotibial Band Cut and Gluteus Maximus Cut in Greater Trochanteric Pain Syndrome. Research Appreciation Day. March, 2014.

Taylor II, V., Guttmann, G., and Reeves, R.E. Case Study on the Pathology of the Greater Trochanter. American Assocation of Anatomists Regional Meeting. Dallas, TX. Oct 2013.

Reeves, Rustin E. K-12 Science Outreach: An Opportunity often Overlooked in Medical Education. International Association of Medical Science Educators. St. Andrews, Scotland. June 2013

Vuvi Nguyen and Rustin Reeves. Extensor Indicis Brevis: A Rare Anatomical Variant of the Upper Limb. Department of Cell Biology and Anatomy, UNT Health Science Center, Fort Worth, TX. Human Anatomy and Physiology Society. Las Vegas, NV. May 2013.

Victor Taylor II, Addison Wood, Travis Seaman, Theodore Crofford, Geoffrey Guttmann, and Rustin Reeves. Gluteus maximus tendon variablitiy. *The FASEB Journal*. 27:742.12, 2013.

Victor Taylor, Theodore Crofford, Hudson Seidel, Addison Wood, Rustin Reeves. Identification of a novel potentially associated with greater trochanteric pain syndrome (GTPS). Department of Cell Biology and Anatomy, UNT Health Science Center, Plaza Medical Center, Fort Worth, TX. American Association of Anatomists, April 2012.

Victor Taylor, Rustin Reeves and Theodore Crofford. Identification of a novel structure potentially associated with greater trochanteric pain syndrome. Department of Cell Biology and Anatomy, University of North Texas Health Science Center, Department of Orthopedics, Plaza Medical Center of Fort Worth, Texas Hip and Knee Center. Fort Worth, TX, American Academy of Orthopedic Surgeons, May 2011.

Cromeens, BP, C Fisher, HJ Sheedlo, RE Reeves. Ligament and articular surface anatomic variability in the hindfoot. The 27th Annual Meeting of the American Association of Clinical Anatomists. Honolulu, Hawaii. July 2010. *Clin Anat* 23(8); 1010-1011, Nov 2010.

Reeves, Rustin E., Robin Belcher, Cara Fisher, Harold Sheedlo. A biomedical skills research and education laboratory for anatomy training and outreach. 27^h Annual Meeting of the American Association of Clinical Anatomists. Honolulu, Hawaii. 2010. *Clin Anat* 23(8); 1031. Nov 2010.

Cromeens BP, Fisher C, Sheedlo HJ, Reeves RE. Ligament and articular surface anatomic variability in the hindfoot. Abstract presented at the University of North Texas Health Science Center Research Appreciation Day in Fort Worth, Texas, April 2010.

Harold Sheedlo, Rustin Reeves, Cara Fisher, Robert Routh, Victor Kosmopoulus, Brian Webb, Robert Bunata. Lateral Wear of the Humeral Capitulum Related to Tennis Elbow. 26th Annual Meeting of the American Association of Clinical Anatomists, Cleveland, OH. 2009. *Clin Anat.* 23(4); 490-491, 2010.

Reeves, Rustin E., Gary Scott, Brittany Braun, Mathew Roso, Wendy Yanney, Harold Sheedlo. Graduate research presentations using Wimba's live classroom technology. NSF Annual Graduate Teaching Fellows in K-12 Meeting. Washington, DC. March 2009.

Jackson, Brent R., John E. Aschenbrenner, Rustin E. Reeves, and Harold J. Sheedlo. Variation in contribution of the ulnar artery to the deep palmar arterial arch. 25th Annual Meeting of the American Association of Clinical Anatomy. Toronto, Ontario, Canada. July 2008. In press.

Sheedlo HJ, Scott G, Meeks K, Raven J, Salazar B, and RE Reeves. Graduate Fellows Demonstrate Their Research Projects via Two-way Videoconference. (2008) NSF Annual Graduate Teaching Fellows in K-12 Meeting. Washington DC.

Reeves, Rustin E., Harold J. Sheedlo. Sharing Anatomy with Elementary Students via Two-way Videoconference. Department of Cell Biology and Genetics, UNT Health Science Center, Fort Worth, TX. Presented at the annual meeting of the American Association of Anatomists (AAA), Experimental Biology 2008 in San Diego, CA.

Amber Ondricek, James Flynn, Harlan Jones, Gary Scott, Rustin Reeves, Harold Sheedlo. Summer science camp for 9th grade students. Departments of Cell Biology and Genetics and Microbiology and Immunology, UNT Health Science Center, Fort Worth, TX. Presented at the Southwest Regional NSF Conference on GK-12 Programs, College Station, TX. Nov 2007.

Sheedlo HJ, A Rosales, R Routh, RE Reeves. Summer workshop in the anatomical sciences for middle and high school students. The 24th Annual Meeting of the American Association of Clinical Anatomists. Las Vegas, Nevada. June 2007. *Clin Anat.* 20(6); 732-733, Nov 2007.

Reeves, Rustin E., Robert Wordinger, Anne Marie Brun, Gary Scott, Harold Sheedlo,. Teacher workshop and student research capabilities enhanced through department support for Project SCORE. Department of Cell Biology and Genetics, University of North Texas Heatlh Science Center, Fort Worth, TX. Research Appreciation Day. UNTHSC. 2007

Harold Sheedlo, Robert Wordinger, Anne Marie Brun, Gary Scott, Rustin Reeves. Department Support for Project SCORE Expands Teacher Workshop and Student Research Capabilities. Department of Cell Biology and Genetics, University of North Texas Heatlh Science Center, Fort Worth, TX. NSF National GK-12 Meeting, Washington D.C., 2007.

Sheedlo, Harold J., Rustin E. Reeves, Jamboor K. Vishwanatha, Thomas Yorio, Armando A. Rosales, Graduate School of Biomedical Sciences, University of North Texas Health Science Center (UNTHSC), Fort Worth, TX. Performance of first- and second-year medical students in the anatomical sciences following completion of a post-baccalaureate experience. GREAT (Group of Graduate Research, Education, and Training Conference of the AAMC (2006), Tucson, AZ.

Sheedlo, Harold J., Rustin E. Reeves, Armando A. Rosales. Department of Cell Biology and Genetics, University of North Texas Health Science Center. Fort Worth, TX. Impact of a post-baccalaureate program on the performance of first-year medical students in anatomical sciences. The 23rd Annual Meeting of the American Association of Clinical Anatomists. Milwaukee, Wisconsin. July, 2006. *Clin Anat.* 19(8); 762, Nov 2006.

Reeves, Rustin E., Harold Sheedlo, Gary Scott. Department of Cell Biology and Genetics, University of North Texas Health Science Center. Fort Worth, TX. Graduate Fellows: The Key to a Successful GK-12 Program. National Science Foundation's Annual GK-12 Meeting, Washington, D.C., 2006.

Reeves, Rustin E., Harold Sheedlo, Gary Scott, and Armando Rosales. Department of Cell Biology and Genetics, University of North Texas Health Science Center at Fort Worth. Anatomy and Outreach: A Winning Combination for Promoting Science in K-12 Education. Southwest and Rocky Mountain Division of the American Association for the Advancement of Science (AAAS-SWARM, 2006), Tulsa, OK.

Jamboor K. Vishwanatha, Ph.D., Thomas Yorio, Ph.D., Harold Sheedlo, Ph.D., Michael Budd, Ph.D., and Rustin Reeves, Ph.D. Post-baccalaureate Certification Program at the University of North Texas Health Science Center: A Program for Successful Entry into Medical School. Graduate School of Biomedical Sciences (JKV, TY, HS and RR) and Texas College of Osteopathic Medicine (MB), UNT Health Science Center at Fort Worth, TX. AACOM Annual Meeting (2006), Baltimore, MD.

Scott, Gary, and Rustin. E. Reeves. Topical Oxygen Alters Angiogenesis-related Growth Factor Expression in Chronic Diabetic Foot Ulcers. Department of Cell Biology and Genetics, UNT Health Science Center. New Cardiovascular Horizons 2005.

Jamboor K. Vishwanatha, Ph.D., Thomas Yorio, Ph.D., Harold Sheedlo, Ph.D., Michael Budd, Ph.D., and Rustin Reeves, Ph.D. Post-baccalaureate Certification Program at the University of North Texas Health Science Center: A program for successful entry into Medical School. Graduate School of Biomedical Sciences (JKV, TY, HS and RR) and Texas College of Osteopathic Medicine (MB), UNT Health Science Center at Fort Worth, TX. GREAT (Group of Graduate Research, Education, and Training Conference of the AAMC (2005), Fort Meyers, FL.

Erin W. Donovan, M.S., Harold Sheedlo, Ph.D., Gary Scott, M.S., and Rustin Reeves, Ph.D. Organizing the University of North Texas Health Science Center's Invitational Science Fair for Middle and High School Science Students. Department of Cell Biology and Genetics, University of North Texas Health Science Center, Fort Worth, TX. 1st Annual Southwest Regional NSF GK-12 Conference (2005). Texas A & M University, College Station, TX.

Kissaou Tchedre¹ and Rustin E. Reeves². UNT Health Science Center's Outreach Partnership Between Project SCORE and the G-FORCE Program. ¹Departmen of Biomedical Sciences; ²Department of Cell Biology and Genetics, University of North Texas Health Science Center, Fort Worth TX. 1st Annual Southwest Regional NSF GK-12 Conference (2005). Texas A & M University, College Station, TX.

Reeves, Rustin E., Armando A. Rosales, and Harold J. Sheedlo*. Department of Cell Biology and Genetics, University of North Texas Health Science Center, Fort Worth, TX. Human anatomy: The perfect tool for stimulating K-12 teachers' and students' curiosity about science. 2005 Joint AACA/BACA Meeting in New York City, NY. *Clinical Anatomy*, 18(8); 637, Nov 2005.

Rustin Reeves, Armando Rosales, Gary Scott and Harold Sheedlo. Integrating the Anatomical Sciences into a Graduate Teaching Fellows in K-12 Education Outreach Program. Department of Cell Biology and Genetics, University or North Texas Health Science Center, Fort Worth, TX. National Science Foundation's Annual GK-12 Meeting, Washington, D.C., 2005.

Reeves RE. (2005) Advancing Anatomy Education to Secondary Science Teachers. 2005 Experimental Biology and American Association of Anatomists meeting abstracts. *The FASEB Journal*, 19(5). Abstract #772.6.

Estela Cardenas, Harold Sheedlo, and Rustin E. Reeves. The Understanding and Implementation of Digital Imaging through QuickTime VR. Department of Cell Biology and Genetics. University of North Texas Health Science Center. Fort Worth, TX. The Annual Biomedical Research Conference for Minority Students (ABRCMS), 2004.

Lorena Gallegos, Harold Sheedlo, and Rustin E. Reeves. Quicktime VR Anatomical Images for Browser-Based Dissector. Department of Cell Biology and Genetics. University of North Texas Health Science Center. Fort Worth, TX. The Annual Biomedical Research Conference for Minority Students (ABRCMS), 2004.

Reeves, Rustin E., Harold J. Sheedlo, Rouel S. Roque. Increasing graduate student interest and participation in human gross anatomy courses. Department of Cell Biology and Genetics, University of North Texas Health Science Center, Fort Worth, TX. American Association of Clinical Anatomists, 2004, Moraga, CA. *Clinical Anatomy*, 17(7); 598, Nov 2004.

Reeves, Rustin E., Gary Scott, John Fuller, and *Randy Young. Project SCORE: Outgrowths of Outreach in a GK-12 Graduate Teaching Fellowship Program. Department of Cell Biology and Genetics, University of North Texas Health Science Center. *North Side High School, Fort Worth Independent School District, Fort Worth, Texas. National Science Foundation's Annual GK-12 Meeting, Washington, D.C., 2004

Reeves, Rustin E., John E. Aschenbrenner, Rouel S. Roque, Robert J. Wordinger and Harold J. Sheedlo. An integrated approach to the study of human anatomy. Presented at the American Association of Clinical Anatomists Meeting, 2003, Graz, Austria. *Clinical Anatomy*, 17(2):183, Jan 2004.

Reeves, Rustin E., John E. Aschenbrenner, Rouel S. Roque, Robert J. Wordinger and Harold J. Sheedlo. Integrating computers and technology with dissection in the human gross anatomy laboratory: Improving efficiency in the modern laboratory setting. American Association of Clinical Anatomists Annual Meeting, 2002. Gainesville, FL. *Clinical Anatomy*, 15(6):430, Nov 2002

Reeves RE., HJ Sheedlo, JE Aschenbrenner, RJ Wordinger, RS Roque. (2002) The integration of computers and a browser-based dissector into the human gross anatomy experience. 2002 Experimental Biology and the American Association of Anatomists meeting abstracts. The FASEB Journal, 16(5), Abstract #775.3.

Reeves RE., HJ Sheedlo, JE Aschenbrenner, RJ Wordinger, RS Roque. The development of a browser-based dissector for use in the human gross anatomy laboratory. Research Appreciation Day 2002. University of North Texas Health Science Center. April 2002.

J. Aschenbrenner, R. Belcher, R. Reeves, H. Sheedlo, R. Roque, and R. Bunata. The establishment of a biomedical skills research and education laboratory at the University of North Texas Health Science Center. Research Appreciation Day 2002. University of North Texas Health Science Center.

David Barker, John Aschenbrenner, Rustin Reeves, Rouel Roque and Harold Sheedlo. Digital images for computerized anatomy laboratory and make-up exams in an integrated system-based curriculum. Research Appreciation Day 2002. University of North Texas Health Science Center.

Reeves, Rustin E., David J. Barker, John A. Aschenbrenner, Harold J. Sheedlo and Rouel S. Roque. Digital images for computerized anatomy laboratory and make-up exams in an integrated system-based curriculum. American Association of Clinical Anatomists Meeting, 2001. Nashville, TN. *Clinical Anatomy*, 14(6):463, Nov 2001.

Reeves, Rustin E. Out with the old, in with the new: teaching gross anatomy in a restructured medical school curriculum. Joint AACA/BACA Meeting, 2000. Cambridge, England. *Clinical Anatomy*, 14(1):84, Jan 2001.

Cammarata, P.R., Zhou, C., Singh, I., Reeves, R. and Robinson, M.L. Transgenic Animal Model of Osmotic Cataract. *FASEB Journal* 13 (4): a264.1, 1999.

Cammarata, P.R., Zhou, C., Chen, S.-W., Sing, I., Reeves, R., Cuzak, J. R., and Robinson, M.L. A Transgenic Animal Model of Osmotic Cataract. Part 1: Mice Overexpressing Bovine Sodium Myo-inositol Cotransporter in Lens Fibers. University of North Texas Health Science Center at Fort Worth. Reseach Appreciation Day, 1999.

Reeves, R.E., Coca Pados, M. and Cammarata, P.R. Cell Volume Dictates Level of Expression of pIcln mRNA. *Invest. Ophthalmol. V.S. Sci.*38: a2701, 1997

Reeves, R., Zhou, C. and Cammarata, P.R. Characterization of Myo-inositol Efflux Pathway. *Invest. Ophthalmol. Vis. Sci.* 37: a1116, 1996

Reeves, R.E., Coca-Prados, M. and Cammarata, P.R. pICln mRNA Expression is Responsive to Changes in Cell Volume and Intracellular Osmolality. UNT Health Science Center Research Appreciation Day, 1996 *2nd place award, student oral presentation competition.

Cammarata, P.R. and Reeves, R., Mechanism and Regulation of the Tonicity-Activated (and Polyol-Activated) Myo-insitol (MI) Efflux Pathway. *Invest. Ophthalmol Vis. Sci.* 36: a919, 1995.

Cammarata, P.R. and Reeves, R., Mechanism and Modulation of Myo-inositol (MI) Efflux. *FASEB Journal* 9(3): a3466,1995.

Reeves, R.E. and Cammarata, P.R. Mechanism and Regulation of the Osmoregulatory Efflux Pathway of Myoinositol (MI) in Cultured Bovine Lens Epithelial Cells. UNT Health Science Center Research Appreciation Day, 1995. *1st Place award, student poster competition.

Cammarata, P.R., Zhou, C., Chen, H-Q., Agarwal, N. and Reeves, R. Does Polyol Osmoregulation Deplete Cellular Myo-inositol, promoting Sugar Cataractogenesis. *Exp. Eye Res.* 59: a 129,1994

Cammarata, P.R., Agarwal, N., Reeves, R., and Zhou, C. Hypertonicity-Induced Upregulation of Na+/myo-inositol Cotransporter mRNA Denotes an Early-Onset, Interactive, Protective Mechanism Against Water Stress in Cultured Bovine Lens Epithelial Cells (BLECs) Invest. *Opthalmol Vis. Sci.* 35: a2207, 1994.

Cammarata, P.R., Agarwal, N., Reeves, R., and Zhou, C. Hypertonicity-Induced Upregulation of Na+/myo-inositol Cotransporter mRNA Denotes an Early-Onset, Interactive, Protective Mechanism Against Water Stress in Cultured Bovine Lens Epithelial Cells (BLECs). UNT Health Science Center Research Appreciation Day, 1994.

Reeves, R., and Cammarata, P.R. Development of a Myo-inositol Efflux Bioassay in Cultured Bovine Lens Epithelial Cells. SEBM - Southwest Section, Abstracts, 1993.

Invited Presentations at Professional Meetings

Nov 2008

June 2013	K-12 Science Outreach: An Opportunity often Overlooked in Medical Education. International Association of Medical Science Educators. St. Andrews, Scotland.
Nov 2007	Sharing Graduate Fellows Research via Two-way Videoconferencing, Presented at the Southwest Regional NSF GK-12 Conference, Texas A & M University, College Station, TX.
Oct 2006	Anatomy and Outreach: A Winning Combination for Promoting Science in K-12 Education. Presented at the "Partnerships between STEM research and K-12 classrooms" symposium at the annual meeting of the Southwest and Rocky Mountain Division of the American Association for the Advancement of Science (AAAS-SWARM, 2006), Tulsa, OK.
Oct 2005	Project SCORE: Schools' Cooperative Opportunities for Research and Education. Presentation at the 1st Annual Southwest Regional NSF (National Science Foundation) GK-12

Live Two-Way Videoconferencing Presentations of Science Outreach Programs

Conference, Texas A & M University, College Station, TX.

	broadcast to 30 elementary schools across the state of Texas. (19 schools, 1200+ students participated).
Oct 2007	"How systems work together in your body: The human heart and lungs! Connect2Texasbroadcast to 54 elementary schools across the state of Texas. (54 schools, 3000+ students participated).

"How systems work together in your body: The human heart and lungs! Connect2Texas

Sponsorship of Live Videoconference Presentations of Graduate Students' Research Projects

2007-2009 First live two-way videobroadcast from SCORE graduate Fellow's research laboratory for 9th-grade Biology classroom at Carter-Riverside High School, Adam James teacher. James Flynn and Karen Meeks, SCORE Graduate Fellow presenters.

Continuing Education Workshops/Camps for Science Teachers, Residence, and Clinicians

Organized	/Supervised
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2013-2014	OMM Anatomy Training; 14 days over 12 months. Guttmann/Reeves: BSREL/UNTHSC.
July 2012	OMM Residents and Fellows Training; Pelvis, Shoulder, Head/Neck. 6 day workshop. Rustin Reeves. BioSkills Laboratory, UNTHSC.
Feb 2011	Orthopedic Resident/Anatomy Review Worskhops – Anatomical/Surgical Relations in Joint Anatomy using Fresh Cadaveric Material
Aug 2008	TEXOMA Rheumatology Program, Resident Workshop, 9 residents, 2 day workshop. In collaboration with Bernard R. Rubin, D.O., Department of Internal Medicine, Division of Rheumatology, and Harold J. Sheedlo, Ph.D., Department of Cell Biology and Genetics.
Mar 2008	Teachers As Scholars Program, An Introduction to Forensic Biology, presented by Joe Warren, PhD. Sponsored by NSF-funded Project SCORE. 9 area science teachers.
Aug 2007	TEXOMA Rheumatology Program, Resident Workshop, 12 residents, 2 day workshop. In collaboration with Bernard R. Rubin, D.O., Department of Internal Medicine, Division of Rheumatology, and Harold J. Sheedlo, Ph.D., Department of Cell Biology and Genetics.
Mar 2007	Teachers As Scholars Program, A Microscopic Experience Using Immunoflourescence and Cell Culture, presented by Harold Sheedlo, Robert Wordinger, and Anne-Marie Brun. Sponsored by NSF-funded Project SCORE, 8 area science teachers.
Aug 2006	TEXOMA Rheumatology Program, Resident Workshop, 8 residents, 2 day workshop. In collaboration with Bernard R. Rubin, D.O., Department of Internal Medicine, Division of Rheumatology, and Harold J. Sheedlo, Ph.D., Department of Cell Biology and Genetics.
May 2006	Teachers As Scholars, The Anatomy and Histology of the Human Cardiopulmonary System, 15 area science teachers, one-day workshop.
June 2005	Molecular Biology Techniques Workshop for SCORE Teachers, sponsored by NSF-funded Project SCORE at UNTHSC
Apr 2005	Teachers As Scholars, The Anatomy and Histology of the Human Gastrointestinal and Urinary Systems, 16 area science teachers, 2-day workshop.
Nov 2004	Teachers As Scholars, Anatomy and Histology of the Human Cardiopulmonary System, 18 area science teachers, 2-day workshop.
Oct 2003	Teachers as Scholars, Anatomy and Histology of the Human Cardiopulmonary System, 20 area science teachers, 2-day workshop.
2003-present	Tools for Teaching Science Workshop, Week-long summer course/workshop for SCORE and MKITS Teachers, sponsored by NSF-funded Project SCORE and the Graduate School for Biomedical Sciences at UNTHSC

Conferences Organized/Hosted

Nov 2009 3rd Southwest Regional GK-12 Conference for the National Science Foundation (NSF). November 13-14, 2009. UNT Health Science Center. Host and Organizer.

Sponsorship of Science Education/Research Programs for Public School Students

July 2016	Mentors for Life Program, Fort Worth After-School-Program, 35 students, 6 th -8 th grade students, one week program
June 2016	Texas Academy of Biomedical Sciences, Summer Bridge Program, $\sim \! 100~9^{th}$ grade students from Fort Worth ISD, 1 week program (all day)
July 2015	Mentors for Life Program, Fort Worth After-School-Program, 25 students, 6th-8th grade students
June 2015	Texas Academy of Biomedical Sciences, Summer Bridge Program, $\sim \! 100~9^{th}$ grade students from Fort Worth ISD, 1 week (all day)
June 2014	Texas Academy of Biomedical Sciences, Summer Bridge Program, $\sim \! 100~9^{th}$ grade students from Fort Worth ISD, 1 week (all day)
June 2013	Texas Academy of Biomedical Sciences, Summer Bridge Program, $\sim \! 100~9^{th}$ grade students from Fort Worth ISD, 1 week (all day)
June 2012	Texas Academy of Biomedical Sciences, Summer Camp. $\sim\!100~9^{th}$ grade students from Fort Worth ISD. 1 week (all day)
June 2011	Texas Academy of Biomedical Sciences, Summer Camp. \sim 200 7th, 8th, and 9th grade students from Fort Worth ISD. 3 weeks (half day).
June 2010	Texas Academy of Biomedical Sciences, Summer Camp. $\sim 85~9^{th}$ grade students from Fort Worth ISD. 4 weeks (half day).
2006-2010	GO Centers Career Training and Support program for Dunbar, Eastern Hills, Paschal, North Side, Carter-Riverside, and South Hills High Schools in Fort Worth ISD. Supported by Project SCORE.
2006-2010	Young Scientists Program, sponsored by NSF-funded Project SCORE at UNTHSC. This program supports area high school science students for summer research projects at UNTHSC. Student support: 4 students – 2006, 1 student – 2007, 1 student - 2010
2006-2007	Osteopathic Explorers Annual Meeting. Presented by the UNTHSC Chapter of the Student Osteopathic Surgery Association (SOSA). Supported by Project SCORE 10 students, 2006 - 28 students, 2007

Continuing Edcuation/Conferences/Meetings Attended

July 2017	American Association of Clinical Anatomists, Minneapolis, MN. Registered to attend.
June 2017	International Association of Medical Science Educators, Univ. of Vermont, Burlington, VT. Registered to attend.

May 2017	Texas State Anatomical Board Meeting, University of Texas HSC – Houston, TX
Feb 2017	Association of Anatomy, Cell Biology, and Neurobiology Chairpersons, Marco Island, FL
June 2016	American Association of Clinical Anatomists, Oakland, CA
May 2016	Texas State Anatomical Board Meeting, University of Texas Medical Branch, Galveston, TX
Jan 2016	Association of Anatomy, Cell Biology, and Neurobiology Chairpersons, Kauai, Hawaii
June 2015	American Association of Clinical Anatomists, Henderson, NV
June 2015	International Association of Medical Science Educators, San Diego, CA
May 2015	Texas State Anatomical Board Meeting, Texas Tech University Health Science Center, El Paso, TX
June 2014	International Association of Medical Science Educators, Nashville, TN
May 2014	Texas State Anatomical Board Meeting, Parker Chiropractic College, Dallas, TX
June 2013	International Association of Medical Science Educators, St. Andrews, Scotland
April 2012	American Association of Anatomists, San Diego, CA
June 2011	American Association of Clinical Anatomists, Columbus, OH.
Oct 2010	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.
Mar 2010	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA
Oct 2009	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.
Mar 2009	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA
Oct 2008	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.
Mar 2008	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA
Oct 2007	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.
April 2007	Southwest and Rocky Mountain Division (SWARM) of the American Association for the Advancement of Science (AAAS), University Houston – Clear Lake, Houston, TX.

Mar 2007	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA			
Oct 2006	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.			
April 2006	Southwest and Rocky Mountain Division (SWARM) of the American Association for the Advancement of Science (AAAS), University of Tulsa, Tulsa, OK.			
Mar 2006	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA			
Oct 2005	Interim Council Meeting, American Association of Clinical Anatomists, Chicago, IL.			
Sept 2005	National Science Foundation Day, Funding Opportunities at NSF. The University of Texas Dallas, Richardson, TX.			
Mar 2005	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA			
Mar 2005	Texas Distance Learning Association, 2005 Conference, Fort Worth, TX.			
July 2004	International Association for Medical Science Educators, 8 th Annual Meeting, Tulane University School of Medicine, New Orleans, LA			
March 2004	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA			
Oct 2002	National Science Foundation's GK-12 Project Meeting, Sponsored by American Association of the Advancement of Science and the National Science Foundation, Arlington, VA			
Oct 2002	Critical Challenges in Distance Education Program, Conference sponsored by The Center for Media Production, The Center for Distributed Learning and The Media Library and University Relations, University of North Texas, Denton, TX			
April 2002	National Science Foundation, National Grant Conference, College Station, TX			
June 2002	American Association of Clinical Anatomists, Annual Meeting, University of Florida, Gainesville, FL			
Spring 2000	Experimental Biology 2000, American Association of Anatomists Annual Meeting, San Diego, California.			
June 1999	American Association of Clinical Anatomists, Annual Meeting, University of Iowa, Iowa City, Iowa			
March 1999	Innovations in Technology for Teaching and Learning, Syllabus Conference and Workshop, Southern Methodists University, Dallas, Texas.			

Fall 1998 Embryo Imaging and Education Program, Sponsored by the American Association of Clinical Anatomists, Walter Reed Army Medical Center, Washington D.C.

CURRICULUM VITAE

MAYME FLORENCE RICHIE-GILLESPIE, M.D.

[MAYME FLORENCE RICHIE, M.D.]

PERSONAL INFORMATION

Date of Birth: December 28, 1960
Place of Birth: Nashville, Tennessee

EDUCATION

Undergraduate: Vanderbilt University

Nashville, Tennessee

Bachelor of Science, Magna cum laude

High Honors in Psychology

May 14, 1982

Medical: Vanderbilt Univ. School of Medicine

Doctor of Medicine

May 9, 1986

Internship: U.T. Southwestern Medical School

Dallas, Texas

General Surgical Internship July 1, 1986 – June 30, 1987

Residency: U.T. Southwestern Medical School

Orthopaedic Surgery Residency July 1, 1987 – June 30, 1991 Robert Bucholz, M.D., Chairman

Fellowship #1: Pediatric Orthopaedic Surgery

Children's Hospital and Medical Center

University of Washington

Seattle, Washington

August 1, 1991 — July 31, 1992 Lynn T. Staheli, M.D., Director Fellowship #2: Orthopaedic Oncology

Presbyterian Hosp. of Dallas & Assoc. Hospitals/U.T. Southwestern

Dallas, Texas

August 1, 1992 — July 31, 1993 Gerhard E. Maale, M.D., Director

PRACTICE HISTORY

1993-1996 Private practice in Dallas, Texas in association

with Gerhard Maale, M.D.: practice limited to

orthopaedic oncology

1996 – present Fort Worth, Texas: practice limited to orthopaedic oncology

LICENSURE/CERTIFICATION

Texas State Board of Medical Examiners

License H2723 December 1, 1987

American Board of Orthopaedic Surgery July 13, 1995; recertified through 2025

DEA registration: BR1871741

Texas DPS: V0070080

HOSPITAL APPOINTMENTS

Baylor All Saint's Health System 1400 Eighth Avenue Fort Worth, TX 76104 Active 5/6/96

Cook Children's Medical Center 801 Seventh Avenue Fort Worth, TX 76104 Active 1995

Texas Health Harris Methodist Fort Worth 1301 Pennsylvania Avenue Fort Worth, TX 76104 Courtesy 5/14/96

Plaza Medical Center 900 Eighth Avenue Fort Worth, TX 76104 Courtesy 7/29/96 John Peter Smith Memorial Hospital

1500 South Main Street Fort Worth, TX 76104

Courtesy 1996

OFFICE LOCATIONS

Adult Office: 800 5th Avenue, Suite 400

Fort Worth, TX 76104

817-735-2900

Pediatric Office: Cook/Children's Hematology/Oncology Center

1500 Cooper Street Fort Worth, TX 76104

682-885-4007

JPS Health System: Orthopaedic Oncology Clinic

1500 South Main Street Fort Worth, TX 76104

TEACHING AFFILIATIONS

UT Southwestern Orthopaedic Surgery Department: Associate Clinical Professor of Orthopaedic Surgery 2002 – August 31, 2005

Fort Worth Affiliated Hospitals Orthopaedic Program Instructor in orthopaedic oncology, director of orthopaedic oncology service/clinic and orthopaedic oncology rotation director 1996 – present

UNTHSC Clinical appointment Department Orthopaedic Surgery

PROFESSIONAL SOCIETY MEMBERSHIPS

American Academy of Orthopaedic Surgeons Texas Orthopedic Association Texas Medical Association Tarrant County Medical Society

TEXAS MEDICAL BOARD

Expert Panelist for Orthopaedic Surgery since 2011

CURRICULUM VITAE BRANDY M. ROANE, PH.D., CBSM

Associate Professor

Institute of Cardiovascular and Metabolic Diseases Texas College of Osteopathic Medicine University of North Texas Health Sciences Center

EDUCATION

Year	Degree	Major	Institution
2002	B.A.	Psychology	The University of Texas at Dallas
2006	M.S.	Psychology	The University of North Texas
2010	Ph.D.	Clinical Health Psychology	The University of North Texas (APA-accredited)
2010	Internship	Pediatric Psychology	Munroe Meyer Institute/University of Nebraska
			Medical Center (APA-accredited)
2012	Fellowship	Sleep, Behavioral Sleep Medicine	Alpert Medical School of Brown University

PROFESSIONAL EXPERIENCE

Dates	Position	Organization	Location
2005-2008	Teaching Fellow	University of North Texas	Denton, TX
2007-current	Adjunct Instructor	North Central Texas College	Corinth, TX
2009-current	Adjunct Instructor	Metropolitan Community College	Omaha, NE
2011-2012	Research Associate	Alpert Medical School of Brown University	Providence, RI
2012-current	Adjunct Assistant	Alpert Medical School of Brown University	Providence, RI
	Professor		
2012-2016	Assistant Professor	University of North Texas Health Sciences Center	Fort Worth, TX
2016-current	Associate Professor	University of North Texas Health Sciences Center	Fort Worth, TX

HONORS AND AWARDS

2006	Honorable 1	Mention 1	Research	ı Award.	, Sleep	Researc	h Society

2006 Founders Award, Southern Sleep Society

2007 Honorable Mention Research Award, Sleep Research Society

2010 LEND Interdisciplinary Leadership Graduate

2011 Abstract Excellence Award, Sleep Research Society

2011 NIH NIMH Pediatric Loan Repayment Award

2012 National Register Early Career Psychologist Credentialing Scholarship

2013 NIH NICHD Pediatric Loan Repayment Award

TEACHING EXPERIENCE

A) UNTHSC-FW

TCOM Lectures or Courses

2015 Behavioral Sleep Medicine Course, Pulmonology Elective (Director)
2015 MEDE 7120: Honors Research Practicum Course (Didactic Faculty)

2016-current MEDE 7620: Fundamentals of Health: Medical Practice 3 Clinical Integration (Faculty)

Graduate School Lectures or Courses

None at this time

Physician Assistant Program Lectures or Courses

2014-current MPAS 5302: Fund of Behavioral Science, Sleep Disorders Lecture

Public Health School Lectures or Courses

None at this time

DPT Program Lectures or Courses

None at this time

Other

None at this time

B) OTHER TEACHING ROLES

Graduate coi	urses
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2007 PSYC 5600: Advanced Quantitative Methods I Laboratory, University of North Texas

(15-20 students)

2008 PSYC 5610: Advanced Quantitative Methods II Laboratory, University of North Texas

(15-20 students)

Undergraduate courses

2006-2007	PSYC 1000: Psychology of Learning and Success, University of North Texas. (35-45 students)
2006-2008	PSYC 2950: Experimental Methods of Psychology, University of North Texas (80-100 students)
2008	PSYC 2950: Experimental Methods of Psychology Laboratory, University of North Texas (20-25 students)
2007	PSYC 2317: Quantitative Methods of Psychology Laboratory, University of North Texas (20-25 students)
2008	PSYC 2580: Health Psychology, University of North Texas (100-120 students)
2007-current	PSYC 2314: Developmental Psychology, North Texas Central College (30-35 students)
2007-current	PSYC 2301: Intro to General Psychology, North Texas Central College (30-35 students)
2009	PSYC 1400: Learning Frameworks, North Texas Central College (30-35 students)
2009-2012	PSYC 1010: Introduction to Psychology, Metropolitan Community College (25-35 students)
2009	PSYC 2650: Introduction to Research Methods, Metropolitan Community College (25-35 students)
2009-2010	PSYC 2314: Developmental Psychology, Metropolitan Community College (25-35 students)
2009-current	PSYC 2450: Social Psychology, Metropolitan Community College (25-35 students)
2010-2011	PSYC 1120: Human Sexuality, Metropolitan Community College (25-35 students)
2011-current	PSYC 2140: Behavior Modification & Principles of Learning, Metropolitan Community
	College (25-35 students)
2011-2016	PSYC 2450: Abnormal Psychology, Metropolitan Community College (25-35 students)

C) PROFESSIONAL PRESENTATIONS

2010-2012

Grand Rounds/Clinical Education Presentations

1. "A Look at Insomnia and Sleep in Adolescents and Young Adults: Patterns, Risk Factors, and Consequences," UNTHSC Grand Rounds (2/28/2012).

CLPS 1194: Sleep and Chronobiology Research (12 students)

- 2. "Sleep and Sleep Disorders in Pediatrics," UNTHSC Pediatric Grand Rounds (01/16/2013).
- 3. "Beyond Short Sleep: What Role Does Sleep Play in Obesity?" University of Oklahoma HSC Pediatric Grand Rounds (04/12/2017)

Hospital/Clinical Faculty/Staff Presentations

- 1. "Adolescent Insomnia Diagnosis and Treatment," Pediatric Sleep Interns and Residents (2/14/2011)
- 2. "Behavioral Sleep Medicine," UNT Externship Practicum Students (11/06/2012)

D) **SUPERVISION**

Hospital/Clinic/SNF/Outpatient

2010-2011 Psychology Interns, Pediatric Sleep Clinic Rhode Island Hospital

2012	Katie Edwards (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2012	Troy Rieck (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2012	Mari Garza (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2012	Katherine Marczyk (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2013-2014	Ali Wilkerson (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2014-2015	Jade Francetich (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2015	TCOM 3 rd years and Residents (TCOM DO Students), Behavioral Sleep Medicine Clinic
2016	Jessica Dietch (Psychology Doctoral Student), Behavioral Sleep Medicine Clinic
2017	Gabrianna Saks (TCOM 4 th Year DO Student), Behavioral Sleep Medicine Clinic

<u>Graduate students – Major Professor/Adviser/Mentor/Committee Member</u>

2013	Amol Golwala, CAMSTRR mentee, TCOM 3 rd Year DO Student
2013	Emily Buescher, CAMSTRR mentee, TCOM 3 rd Year DO Student
2013	Swati Buch, CAMSTRR mentee, TCOM 3 rd Year DO Student
2013-2014	Rachel Rube, TCOM Honors Research Practicum, TCOM 2 nd Year DO Student
2014-2015	Spencer Requa, TCOM Honors Research Practicum, TCOM 2 nd Year DO Student
2014	Lauren Sasser, MPH Student
2014-2016	Katherine Morrissey, MPH Student
2014-2015	Shelby Graves, MPH Student
2015	Cindy Ng, TCOM 1 st Year DO Summer Research Student
2015-2016	Mustafa Khan, TCOM Honors Research Practicum, TCOM 2 nd Year DO Student
2015-current	Sabah Ali, TCOM Honors Research Practicum, TCOM 3 rd Year DO Student
2015-2016	Philip Escarsega, SAME Scholar, GSBS Student
2015-2016	Moriam Animashaun, MPH Student
2015-2016	Leeisha Crayton, MPH Student
2015-2016	Abia Agyekum, MPH Student
2016-current	Isadora Cabala, TCOM 2 nd Year DO student

<u>Research Laboratory – staff, medical and/or other students</u>

2011	Maya Gibbes, Sleep for Science Dement Fellow
2011	Chanliny Lim, Sleep for Science Dement Fellow
2011	Natalie Bryant, Sleep for Science Dement Fellow
2011	Alexis Chambers, Sleep for Science Dement Fellow
2012	Christina Stavrakas, Sleep for Science Dement Fellow
2012	Elie Majdalani, Sleep for Science Dement Fellow
2012	Ryan Bottary, Sleep for Science Dement Fellow
2013	Elizabeth Ruggieri, Sleep for Science Dement Fellow
2014	Emily Davis, Sleep for Science Dement Fellow
2014	Stephen Barry, Sleep for Science Dement Fellow

<u>Post-doctorate associates</u>

2013 Laurin Mack, Ph.D., Sleep for Science Postdoctoral Fellow

Visiting Scientists

None at this time

Visiting/Guest Faculty Lecturer

2014 *Pediatric Behavioral Sleep Medicine*, PSYC 6200: Behavioral Sleep Medicine, University of North Texas. (10 students)

Other Supporting Materials (optional)

None at this time

SERVICE

A) UNTHSC COMMITTEE MEMBERSHIP

2014-current	Member, TCOM RAD Committee
2015-2016	Member, UNTHSC Institutional Review Board Committee
2015	Member, Family and Community Institute Development Committee

Member, Transition Medicine Working Group

B) DEPARTMENT COMMITTEE MEMBERSHIP

2014-2016	Member, Department of Internal Medicine Quality Management Committee
2015-2016	Member, Sleen Center Quality Assurance Committee

C) PATIENT CARE

2015-2016

2009-2010	Intern Clinician, Pediatric Sleep Clinic, Munroe-Meyer Institute
2009-2010	Intern Clinician, Behavioral Pediatrics Clinic, Munroe-Meyer Institute
2010-2011	Post-doctoral Clinician, Pediatric Sleep Clinic, Rhode Island Hospital
2011-2012	Post-doctoral Clinician, Insomnia and Anxiety Clinic, Rhode Island Hospital
2012-2015	Provider, Behavioral Sleep Medicine Clinic, UNT Health
2015-current	Provider, Behavioral Sleep Medicine Clinic, Cook Children's Hospital

D) PROFESSIONAL LICENSES AND BOARD CERTIFICATION

2007	Licensed Psychological Associate, Texas, License #33717 (null and void)
2011	Psychologist Trainee, Rhode Island, License #PST 00145 (null and void)
2012	Licensed Psychologist, Rhode Island, License #PS01316 (current)
2012	Provisionally Licensed Psychologist, Texas, License #36377 (null and void)
2012	Certified Behavioral Sleep Medicine Specialist (current)
2012	National Register Health Service Provider in Psychology, #53725 (current)
2012	Licensed Psychologist, Texas, License #36377 (current)

E) PROFESSIONAL SERVICE

2006-2008	Member, Sleep Research Society Trainee Committee
2006-2008	Graduate Student Representative, Health Psychology/Behavioral Medicine Program,
	Graduate Association of Student Psychologists
2009-2014	Member, Webdesign Committee, Insomnia SIG, Association of Behavioral and Cognitive
	Therapies
2010-2013	Member, Brown University Clinical Psychology Training Consortium Technology
	Committee
2010-2012	Member, Rhode Island College Institutional Review Board
2010-2015	Member, Web and Communications Committee, Society of Behavioral Sleep Medicine

F) COMMUNITY SERVICE/INVOLVEMENT

- 1. Omaha Parent's Group, "Zzz's and P's: Helping Your Child Master Sleep & Toileting" (1/12/2010)
- 2. Moses Brown School, "Sleep in Kids and Teens" (9/27/2011).

Brandy M. Roane, Ph.D., CBSM

- 3. Parenting Matters, "Bedtime Battles: Discover Strategies for Resolving Sleep Issues with Your Infant or Toddler" (3/17/2012).
- 4. Presenter, Cassata High School Career Day (10/15/2012)
- 5. Speaker, NICA, "Sleep and Women's Health" (4/24/2013)
- 6. Speaker, Fort Worth Transportation Authority, "Creating Better Sleep Habits" (5/22/2013)
- 7. Speaker, *Hispanic Caregiver Conference*, "Healthy Sleep for Caregivers" (6/13/2013)
- 8. Speaker, Fort Worth Transportation Authority, "Clocks, Sleep, and Diabetes" (6/25/2013)
- 9. Speaker, Christian Care Centers, "Creating Better Sleep Habits" (8/1/2013)
- 10. Presenter, Trinity Springs Middle School Career Day (3/7/2014)
- 11. Presenter, TexPREP Career Day (7/11/2014)
- 12. Visiting Health & Wellness Instructor, Fort Worth Academy, "Sleep Health" (2014-2015)

G) CONSULTANT SERVICES

2013-2014 Sleep Consultant, *Ultimate Health Matters*

2014-2015 Sleep Consultant, Game on Talis

2014-present Actigraphy and Activity Monitor Consultant, Johnson & Johnson, Inc

SCHOLARLY ACTIVITY

A) GRANTS AND CONTRACTS (funded-current)

R25 Vishwanatha (PI) 06/01/2015-5/31/2017

NIH/NIMHD \$ 1,173,025

Texas Center for Minority Health, Education, Research, and Outreach

Role: Research Mentor

TexasMRC Roane (PI) 07/01/2015-07/31/2017

Texas Medical Research Collaboration \$100,000

MyPAP Trainer: A Novel Device to Increase User Awareness and Remediation of Positive Airway Pressure

Leak Role: PI

Seed Grant Roane (PI) 09/01/2016-03/31/2017

UNTHSC \$1.000

CPAP User Receptiveness to a Novel Leak Detection Device

Role: PI

Vishwanatha, Cunningham, and Schreihofer (PIs) 05/01/2016-4/30/2021

NIH/NHLBI \$ --

Promoting Diversity in Research Training for Health Professional Students (PDRT)

Role: Research Mentor/Faculty

B) GRANTS AND CONTRACTS (pending)

None at this time

C) GRANTS AND CONTRACTS (under review)

Foundation Roane (PI) 01/01/2017-12/31/2017

William and Ella Owens Medical Research Foundation \$50,000

Healthy Moms and Babies: Improving Sleep for Better Maternal and Infant Health Outcomes

Role: PI

D) GRANTS AND CONTRACTS (funded-past)

R01 MH079179 Carskadon (PI) 08/01/2010 – 11/30/2013

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Brandy M. Roane, Ph.D., CBSM

NIH/NIMH \$2,148,945 (\$43,797 subcontract)

Prospective Study of Depressed Mood, Short Sleep and Serotonergic Genes

Role: Co-I

Investigator-Initiated Grant Roane (PI) 06/01/2012 – 05/31/2013

BodyMedia Equipment Grant

Validation Study of Weight Management Activity Monitor

Role: PI

U01CA150387-04 (NCI) Wing (PI) 09/28/2009 - 08/31/2014

NIH/NCI \$705,604

Increasing Sleep Duration: A Novel Approach to Weight Control

Role: Consultant (2011-2014)

R01 MH079179 Carskadon (PI) 08/01/2014 – 12/15/2014

NIH/NIMH \$2,148,945

Prospective Study of Depressed Mood, Short Sleep and Serotonergic Genes

Role: Consultant (2014)

Seed Grant (UNTHSC) Roane (PI) 09/01/2013-08/31/2015

UNTHSC \$1,000

The Relationship Between Teen Sleep and Obesity

Role: PI

Junior Faculty Seed Grant Roane (PI) 01/14/2013-01/13/2016

UNTHSC \$20,000

Adolescent Obesity: Role of Biological Processes and Social Rhythms

Role: PI

Seed Grant Roane (PI) 10/01/2014-09/30/2015

UNTHSC \$1,000

Association of Sleep and Physical Activity In Adolescents

Role: PI

Clinical Trial Al-Farra (PI) 05/01/2015-01/31/2016

ImThera \$249,310

aura6000TM Targeted Hypoglossal Neurostimulation (THN) System Pivotal THN Study #3

Role: Co-I

Hogg Foundation of Mental Health Grant Roane (PI) 06/01/2013-05/31/2016

Hogg Foundation of Mental Health \$19,239

The Impact of Depression on Sleep Disturbances Among Mexican American Adults and Elders

Role: PI

Seed Grant Roane (PI) 10/01/2015-09/30/2016

UNTHSC \$1,000

Sleep in Medical Students

Role: PI

Intramural Grant Roane (PI) 04/01/2014-02/28/2017

UNTHSC \$25,000

Social and Biological Rhythms: A Novel Approach to Reducing Type II Diabetes Mellitus Risk in Teens

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Role: PI

E) GRANTS AND CONTRACTS (not funded)

Investigator-Initiated Grant Roane (PI) 09/01/2011-08/31/2012

Philips Lighting \$97,883

Pilot Study of Bright Light as an Adjuvant to Cognitive Behavioral Therapy for Insomnia in the Treatment of

Adolescents with Insomnia

Role: PI

K99/R00 Roane (PI) 09/01/2012-08/31/2017

NIH/NICHD \$747,637 Adolescent Obesity: Role of Social Rhythms and Biological Processes

Role: PI

1 R21 HL122617-01 Roane (PI) 04/01/2014-03/31/2016

NIH/NHLBI \$297.511

Social and Biological Rhythms: A Novel Approach to Treating Adolescent Obesity

Role: PI

R21 HL122617-01A1 Roane (PI) 06/01/2015-05/31/2017

NIH/NHLBI \$427,329

Social and Biological Rhythms: A Novel Approach to Treating Adolescent Obesity

Role: PI

Clinical Research Foundation Grant Roane (PI) 01/01/2015-12/31/2016

ResMed Foundation \$249,736

Treatment of Sleep Disordered Breathing During Pregnancy: Impact on Maternal and Infant Health Outcomes

Role: PI

American Heart Association Grant Schreihofer (PI) 8/1/2014-7/31/2015

American Heart Association \$140,000

Testosterone Replacement in Intermittent Hypoxia Induced Oxidative Stress

Role: Consultant

R25 Smith (PI) 06/01/2015-05/31/2016

NIH/NHLBI \$--

Research Training Grant Role: Research Mentor

R01 Carskadon (PI) 2015-2020

NIH/NIMH \$--

Depressed Mood and Disrupted Sleep in College Students: A GCTA Analysis of Common and Unique SNP-

based Variance Role: Consultant

R15 Middlemiss (PI) 01/01/2015-12/31/2017

NIH \$471,061

Reducing SIDS Risk Among At-Risk African American Families: A Lay Health Advisor (LHA) Strategy

Role: Co-I

Brandy M. Roane, Ph.D., CBSM

Clinical Research Foundation Grant Roane (PI) 06/01/2015 – 05/31/2017

ResMed Foundation \$249,781

Treatment of Sleep Disordered Breathing During Pregnancy: Impact on Maternal and Infant Health Outcomes

Role: PI

R03 Roane (PI) 01/01/2016-12/31/2016

NIH/NICHD \$100,000

Treatment of Sleep Disordered Breathing During Pregnancy: Impact on Maternal and Infant Health Outcomes

Role: PI

Comcast Roane (PI) 08/01/2015-07/31/2016

Comcast Tech Research & Development Grants Fund \$75,397

Sleep-Safe Monitoring System: A Novel Bed Pressure Mat System to Alert Parents of Bedtime Behavior

Role: PI

R01 Carskadon (PI) 5/01/2016-4/30/2021

NIH/NIMH \$--

The Complex Interplay of Sleep and Depressed Mood in College Students: Delineating Biological Influences

Role: Consultant

R01 Carskadon (Co-PI) & McGeary (Co-PI) 5/01/2016-04/30/2021

NIH/NIAA \$--

Delineating Biological Influences in the Complex Interplay of Sleep and College Drinking

Role: Consultant

R01 Carskadon (PI) 5/01/2016-4/30/2021

NIH/NIMH \$--

The Complex Interplay of Sleep and Depressed Mood in College Students: Delineating Biological Influences

Role: Consultant

R01 Carskadon (Co-PI) & McGeary (Co-PI) 5/01/2016-04/30/2021

NIH/NIAA \$-

Delineating Biological Influences in the Complex Interplay of Sleep and College Drinking

Role: Consultant

Seed Grant Roane (PI) 07/01/2016-06/30/2017

ICMD \$30,000

Healthy Moms and Babies: Improving Sleep for Better Maternal and Infant Health Outcomes

Role: PI

ARL Partnered Research Initiative Soo-Yeon Ji (PI) 01/01/2017-12/31/2019

DOD \$292,853 (Sub)

Machine Learning Algorithm to Indirectly Monitor EEG Signals via ECG Waveform Characteristics

Role: Co-I

CDMRP Wijesundara (PI) 01/01/2017-12/31/2019

DOD \$150,000 (Sub)

A Sensorized and Automated Positional Therapy Pillow for Obstructive Sleep Apnea Prevention

Role: Co-I

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F) INVITED SEMINARS

a. Local

- 1. "Cognitive Behavioral Therapy for Insomnia," University of Nebraska Medical Center, Sleep Medicine Fellow Seminar (5/18/2010)
- 2. "Healthy Sleep in the 21st Century," University of North Texas Health Science Center (9/2015 10/2015)
- 3. "Healthy Sleep in Kids," Lena Pope Amon Carter Center (3/22/2016)
- 4. "Sleep and Aging," Fort Worth Club (3/30/2016)
- 5. "Sleep and Aging," The Stayton (1/17/2017)

b. National

None at this time

c. International

None at this time

G) PUBLICATIONS

- a) Manuscripts published
 - 1. **Roane, B.M.**, & Taylor, D.J. (2008). Adolescent insomnia as a predictor of young adult depression and substance use. *SLEEP*, *31*(10), 1351-1356. PMID: 18853932. PMCID: PMC2572740.
 - 2. Taylor, D.J., & **Roane, B.M**. (2010). Treatment of insomnia in adults and children: A practice-friendly review of research. *Journal of Clinical Psychology*, 66(11), 1137-47. PMID: 20890946.
 - 3. Taylor, D.J., Clay, K.C., Bramoweth, A.D., Sethi, K., & **Roane, B.M**. (2011). Circadian phase preference in college students: Relationships with psychological functioning and academics. *Chronobiology International*, 28(6), 541-547. PMID: 21797783.
 - 4. Taylor, D.J., Gardner, C.E., Bramoweth, A.D., Williams, J.M., Roane, B.M., Grieser, E.A., & Tatum, J.I. (2011). Insomnia and Mental Health in College Students. *Behavioral Sleep Medicine*, 9, 107-116. PMID: 21491233.
 - 5. **Roane, B.M.**, Dolan, D.C., Bramoweth, A.D., Rosenthal, L., & Taylor, D.J. (2012). Altering unhelpful beliefs about sleep with behavioral and cognitive therapies. *Cognitive Therapy and Research*, *36*(2), 129-133. DOI: 10.1007/s 10608-011-9417-4. http://link.springer.com/journal/10608/36/2/page/1.
 - 6. **Roane, B.M.**, Valleley, R., & Allen, K. (2012). Impact of ASQ scores on pediatrician referral patterns. *Infants & Young Children*, 25(2), 149-157. DOI: 10.109/IYC.0b013e31823d030a.
 - 7. **Roane, B.M.**, Seifer, R., Sharkey, K., Van Reen, E., Bond, T., Raffray, T., & Carskadon, M.A. (2013). Reliability of a scale assessing depressed mood in the context of sleep. *Testing, Psychometrics, Methodology in Applied Psychology, 20*(1), 3-11. NIHMSID: NIHMS598445. PMID: 25346804. PMCID: PMC4206909.
 - 8. Taylor, D.J., Vatthauer, K.E., Bramoweth, A.D., Ruggero, C., & **Roane, B**. (2013). The role of sleep predicting college academic performance: Is it a unique predictor? *Behavioral Sleep Medicine, 11*, 1-14. DOI: 10.1080/15402002.2011.602776. PMID: 3959895. PMCID: PMC3959895.
 - 9. Taylor, D.J., Bramoweth, A.D., Grieser, E.A., Tatum, J.I., & Roane, B.M. (2013). Epidemiology of Insomnia in College Students: Relationship with Mental Health, Quality of Life, and Substance Use Difficulties. *Behavior Therapy*, 44, 339-348. DOI: 10.1016/j.beth.2012.12.001. PMID: 23768662.
 - 10. Taylor D.J., **Roane B.M.**, & Dietch, J.R. (2013). Treatment of Chronic Insomnia in Adults and Children. *Texas Psychologist*, 19-23. PMID: 20890946.
 - 11. Van Reen, E., Sharkey, K.M., **Roane, B.M.**, Barker, D., Seifer, R., Raffray, T., Bond, T., & Carskadon, M.A. (2013). Sex of college students moderates associations among bedtime, time in bed, and circadian phase angle. *Journal of Biological Rhythms*, 28(6), 425-431. PMID: 24336420. PMCID: PMC4166652.

- 12. **Roane, B. M.**, Johnson, L., Edwards, M., Hall, J., Al-Farra, S., & O'Bryant, S. (2014). The link between sleep disturbance and depression in Mexican Americans: A project FRONTIER study. *Journal of Clinical Sleep Medicine*, 10(4), 427-431. PMID: 24733989. PMCID: PMC3960386.
- 13. **Roane, B.M.**, Seifer, R., Sharkey, K., Van Reen, E., Bond, T., Raffray, T., & Carskadon, M.A. (2015). What role does sleep play in weight gain in the first semester of university? *Behavioral Sleep Medicine*, *13*(6), 491-505. PMID: 25115969.
- 14. **Roane, B.M.**, Van Reen, E., Hart, C., Wing, R., & Carskadon, M.A. (2015). Estimating sleep from armband measurements: Validity and reliability in teens. *Journal of Sleep Research*, 24(6), 714-721. PMID: 26126746. PMCID: PMC4626287.
- 15. Orzech, K.M., Grandner, M., **Roane, B.M.**, & Carskadon, M.A. (2016). Digital media use in the 2 hours before bedtime is associated with sleep variables in university students. *Computers in Human Behavior*, 55, 43-50.
- 16. Van Reen, E., **Roane, B.M.,** Barker, D., McGeary, J., Borsari, B., & Carskadon, M.A. (2016). Current alcohol use is associated with sleep patterns and circadian timing in first-year college students. *SLEEP*, *39*(6), 1321-1326.
- 17. Dietch, J.R., Sethi, K., Taylor, D.J., Bramoweth, A.D., & **Roane, B.M**. (2016). Psychometric evaluation of the PSQI in a college sample. *Journal of Clinical Sleep Medicine*, *12*(8), 1121-1129. PMID: 27166299
- 18. Hensel, K., **Roane, B.M.**, Chaphekar, A., & Smith-Barbaro, P. (2016). Safety of Osteopathic Manipulative Treatment on Labor and Delivery Outcomes. *Journal of the American Osteopathic Association*, *116*(11), 698-703. PMID: 27802555.
- 19. Miller, M.B., Van Reen, E., Barker, D., **Roane, B.M.**, Borsari, B., McGeary, J.E., Seifer, R., & Carskadon, M. A. (2017). Alcohol problems in merging young adults: Is sleep just an indicator of psychiatric symptoms? *Addictive Behaviors*, 66, 138-144. PMID: 27940388. PMCID: PMC5189906

b) Manuscripts – In press

None at this time

c) Publications submitted or in preparation

- 1. Shochat, T., Barker, D.H., Sharkey, K.M., Van Reen, E., Roane, B.M., & Carskadon, M.A. (2016). An approach to understanding sleep and depressed mood in adolescents: Person-centered sleep classification. Manuscript submitted for publication to *Journal of Sleep Research*.
- 2. **Roane, B.M.**, & Taylor, D.J. (2016). *Health and risk for insomnia in U.S. teens*. Manuscript submitted for publication to *Sleep Health*.
- 3. **Roane, B.M.**, Wilkerson, A., Combs, S., & Raines-Milenkov, A. *Maternal sleep: What are mothers reporting and does trimester play a role?* Manuscript in preparation for submission to *Journal of Sleep Disorders and Therapy*.
- 4. **Roane, B.M.**, Morrissey, K., & Fernando, S. *Gaming the night away: A look at video gamers and their bedtime habits*. Manuscript in preparation for submission to *Behavioral Sleep Medicine*.
- 5. **Roane, B.**M. & Kuhn, B.R. *Sleep more to scream less: A pediatric parasomnia single-subject study.* Manuscript in preparation for submission to *Journal of Clinical Practice in Pediatric Psychology.*

d) Chapters

- 1. **Roane, B.M.**, & Taylor, D.J. (2008). *Behavioral insomnia in childhood: Limit-setting type*. In J. W. Winkelman, J. H. Henderson, S. Kotagal, T. L. Lee-Chiong, K. L. Lichstein, B. J. Murray et al. (Eds.), *Casebook of sleep medicine A learning companion to the International Classification of Sleep Disorders*, 2nd ed., *Diagnostic and coding manual*. (pp. 43-46). Illinois: American Academy of Sleep Medicine.
- 2. Valleley, R.J., & Roane, B.M. (2010). Review of Ages & Stages Questionnaires: A Parent-Completed Child Monitoring System, Third Edition. In Spies, R.A., J.F. Carlson, & K.F. Geisinger

- (Eds.), *Eighteenth Mental Measurements Yearbook*, Lincoln, NE: Buros Institute of Mental Measurements.
- 3. Kuhn, B.R., & **Roane, B.M**. (2011). Pediatric Insomnia and Behavioral Interventions. In T.J. Barkoukis, J.K. Matheson, R. Ferber, & K. Doghramji (Eds.), *Therapy in Sleep Medicine*. (pp.449-556). Pennsylvania: Elsevier Press.
- 4. **Roane, B.M**. (2013). Defining, Assessing, and Treating Adolescent Insomnia and Related Sleep Problems. In H. Attarian and M. Viola-Satlzman (Eds.), *Sleep Disorders in Women: A Guide to Practical Management, Second Edition*. (pp. 85-104). New York: Springer.
- 5. **Roane, B.M.**, & Taylor, D.J. (2013). Pediatric Insomnia. In H. Montgomery-Downs and A. Wolfson (Eds.), *Oxford Handbook of Infant, Child, and Adolescent Sleep: Development and Problems*. Oxford Press.
- 6. **Roane, B.M**. (in press). Multiple Sleep Latency Test. In A. Wenzel (Ed.), *The SAGE Encyclopedia of Abnormal and Clinical Psychology*.
- 7. **Roane, B.M**. (in press). Non-REM Sleep Arousal Disorders. In A. Wenzel (Ed.), *The SAGE Encyclopedia of Abnormal and Clinical Psychology*.
- 8. **Roane, B.M**. (in press). Sleep-Wake Disorders: Biological Factors. In A. Wenzel (Ed.), *The SAGE Encyclopedia of Abnormal and Clinical Psychology*.

e) Published Abstracts

- 1. Tatum, J., Taylor, D., Bramoweth, A., Gardner, C., Williams, J., Zimmerman, M., **Roane, B.**, & Grieser, E. (2007). Benefits of physical activity on sleep. [Abstract]. *Sleep, 30* (Abstract Suppl.), A1081.
- 2. Bramoweth, A.D., Taylor, D.J., Grieser, E. A., **Roane, B.M.**, Gardner, C.E., Williams, J.M., & Zimmerman, M.R. (2007). Sleep problems and health care utilization in college students. [Abstract]. *Sleep*, *30* (Abstract Suppl.), A229.
- 3. Fitzmorris, M., Tatum, J., Bramoweth, A., Taylor, D., Gardner, C., Williams, J., Zimmerman, M., **Roane, B.**, & Grieser, E. (2007). Relationship between sleep bruxism and mental health. [Abstract]. *Sleep, 30* (Abstract Suppl.), A814.
- 4. Gardner, C.E., Taylor, D.J., Tatum, J.I., Bramoweth, A.D., Grieser, E.A., **Roane, B.M.**, Williams, J. M., & Zimmerman, M. R. (2007). The interrelationship of insomnia and mental health cross-sectionally and longitudinally. [Abstract]. *Sleep*, *30* (Abstract Suppl.), A684.
- 5. Greiser, E., Tatum, J., Taylor, D., Bramoweth, A., Gardner, C., Williams, J., Zimmerman, M., & **Roane, B**. (2007). Headache severity and sleep dysfunction. [Abstract]. *Sleep*, *30* (Abstract Suppl.), A904
- 6. Alloway, K.A., Tatum. J.I., Taylor, D.J., Bramoweth, A.D., **Roane, B.M.**, & Clay, K. (2008). The effects of anxiety on sleep quality. [Abstract]. *Sleep, 31* (Abstract Suppl.), A727.
- 7. Bramoweth, A. D., Taylor, D. J., Grieser, E. A., **Roane, B. M.**, Gardner, C. E., Williams, J. M., et al. (2008). Co-morbidity of insomnia and medical disorders in young adults. [Abstract]. *Sleep, 31* (Abstract Suppl.), A726.
- 8. Clay, K., Tatum. J.I., Taylor, D.J., Bramoweth, A.D., **Roane, B.M.**, & Alloway, K.A. (2008). Morningness and eveningness relationship to college GPA. [Abstract]. *Sleep, 31* (Abstract Suppl.), A728.
- 9. **Roane, B.M.** (2008). Insomnia and physical complaints in adolescents. [Abstract]. *Sleep*, *31* (Abstract Suppl.), A738.
- 10. **Roane, B.M.**, Raffray, T., Seifer, R., Sharkey, K., & Carskadon, M. (2011). Reliability of assessing mood in the context of sleep. [Abstract]. *Sleep*, *34* (Abstract Suppl.), A322.
- 11. **Roane, B.M.**, Raffray, T., Seifer, R., Sharkey, K., & Carskadon, M. (2011). Exploring the link between F.I.R.S.T. scores in high school students and subsequent insomnia following the transition into college. [Abstract]. *Sleep, 34* (Abstract Suppl.), A537.
- 12. Raffray, T., McGeary, J., Knopik, V., **Roane, B.**, Sharkey, K.M., & Carskadon, M.A. (2011). 5-HTTLPR polymorphisms and vulnerability to stress-related sleep disturbances: Preliminary results. [Abstract]. *Sleep, 34* (Abstract Suppl.), A561.

- 13. Orzech, K., Gardner, M., **Roane, B.M.**, & Carskadon, M.A. (2012). Electronic media use within 2 hours of bedtime predicts sleep variables in college students. [Abstract]. *Sleep, 35* (Abstract Suppl.), A201.
- 14. **Roane, B.M.**, Seifer, R., Loxley, M., & Carskadon, M.A. (2012). Is the Ford Insomnia Response to Stress Test (FIRST) Associated with Insomnia Following the Transition to College? [Abstract]. *Sleep*, *35* (Abstract Suppl.), A707.
- 15. Van Reen, E., **Roane**, **B.M.**, Sharkey, K.M., & Carskadon, M.A. (2012). How does circadian phase angle affect self-reported sleep? [Abstract]. *Sleep*, *35* (Abstract Suppl.), A185.
- 16. Sharkey, K.M., Coles, M.E., Van Reen, E., **Roane, B.M.**, Gredvig-Ardito, C., & Carskadon, M.A. (2013). Shorter phase angles between dim light melatonin onset and bedtime in college students who reported obsessive-compulsive (OC) symptoms. [Abstract]. *Sleep, 35* (Abstract Suppl.), A1007.
- 17. **Roane, B.M.**, Van Reen, E., Sharkey, K.M., & Carskadon, M.A. (2013). First semester students' daily schedules: Timing of sleep and meals associated with BMI change. [Abstract]. *Sleep*, *36* (Abstract Suppl.), A180.
- 18. **Roane, B.M.**, Van Reen, E., Sharkey, K.M., & Carskadon, M.A. (2013). Do sleep patterns predict BMI change in first semester students? [Abstract]. *Sleep*, *36* (Abstract Suppl.), A181.
- 19. Mack, L.J., **Roane, B.M.**, Van Reen, E., Sharkey, K.M., Seifer, R., & Carskadon, M.A. (2013). Influence of high school sleep patterns on anticipated college sleep schedules. [Abstract]. *Sleep*, *36* (Abstract Suppl.), A174.
- 20. Van Reen, E., **Roane, B.M.**, Sharkey, K.M., Raffray, T., Bond, T., & Carskadon, M.A. (2013). College-aged women go to bed at a later circadian phase than men. [Abstract]. *Sleep*, *36* (Abstract Suppl.), A129.
- 21. Sharkey, K.M., **Roane, B.M.**, Van Reen, E., Bond, T., Raffray, T., & Carskadon, M.A. (2013). Predicting circadian phase with bedtimes and rise times: Role of total sleep time. [Abstract]. *Sleep, 36* (Abstract Suppl.), A132.
- 22. Crew, E.C., Bramoweth, A. D., **Roane, B.M.**, & Taylor, D.J. (2013). Differences in psychosocial functioning, depression, and anxiety among a college sample of normal and poor sleepers with and without an insomnia complaint. [Abstract]. *Sleep*, *36* (Abstract Suppl.), A622.
- 23. Carskadon, M.A., Sharkey, K.M., Barker, D.H., **Roane, B.M.**, Van Reen, E., Knopik, V.S., & McGeary, J.E. (2014). PER3 VNTR: Sleep Patterns and Depressed Mood in College Students. [Abstract]. *Sleep*, *37* (Abstract Suppl.) A1031.
- 24. Dietch, J.R., Sethi, K., Taylor, D.J., Bramoweth, A., Mannon, K., & **Roane, B.M**. (2014). An analysis of convergent and discriminant validity of the PSQI in a college sample. *Sleep*, *37* (Abstract Suppl.) A564.
- 25. **Roane, B.M.**, Van Reen, E., Hart, C., Wing, R., & Carskadon, M.A. (2014). Challenge comparison of two activity monitors to polysomnography for sleep/wake estimation in health adolescents. [Abstract]. *Sleep, 37* (Abstract Suppl.) A1061.
- 26. Sharkey, K.M., Knopik, V.S., McGeary, J.E., Barker, D., Van Reen, E., Roane, B.M., Gredvig-Ardito, C., Bond, T., Raffray, T, & Carskadon, M.A. (2014). Glycogen Synthase Kinase 3-Beta Genotype is associated with sleep duration in college students. [Abstract]. Sleep, 37 (Abstract Suppl.) A145.
- 27. Taylor, H.L., Mack, L.J., **Roane, B.M.**, Gredvig-Ardito, C., Van Reen, E., Seifer, R., & Carskadon, M.A. (2014). Differences in anticipated versus experienced college sleep patterns. [Abstract]. *Sleep*, *37* (Abstract Suppl.) A154.
- 28. Carskadon, M.A., Barker, D.H., Sharkey, K.M., **Roane, B.M.**, & Van Reen, E. (2015) Drinking alcohol in the first semester: Does sleep timing play a role? [Abstract]. *Sleep*, 38, (Abstract Suppl.) A0216.
- 29. Dietch, J.R., Taylor, D.J., Bramoweth, A.D., Sethi, K., & **Roane, B.M**. (2015). Insufficient sleep, total sleep time, and sleep quality as predictors of biopsychosocial outcomes. [Abstract]. *Sleep*, 38 (Abstract Suppl.) A0916.

- 30. **Roane, B.M.**, Combs, S., Raines-Milenkov, A., Al-Farra, S., Mott, K., & Oke, O. (2015). Maternal sleep: What are mothers reporting and does trimester play a role? [Abstract]. *Sleep, 38* (Abstract Suppl.) A1160.
- 31. Shochat, T., Saletin, J., Barker, D., Van Reen, E., Sharkey, K., **Roane, B.**, Gredvig-Ardito, C., & Carskadon, M.A. (2015) Does sex moderate the association of habitual sleep duration and timing with depressive mood symptoms in college-bound high school seniors? [Abstract]. *Sleep*, *38* (Abstract Suppl.) A0061.
- 32. Van Reen, E., Sharkey, K.M., **Roane, B.M.**, Cha, C., Liu, R., Spirito, A., & Carskadon, M.A. (2015). Sleep patterns and suicidal ideations in first-year college students. [Abstract]. *Sleep*, *38* (Abstract Suppl.) A0961.
- 33. **Roane, B.M.**, Combs, S., Raines-Milenkov, A., Al-Farra, S., Mott, K., & Oke, O. (2015). Maternal sleep: What are mothers reporting and does trimester play a role? [Abstract]. *Sleep, 38* (Abstract Suppl.) A1160.
- 34. **Roane, B.M.**, Morrissey, K., & Fernando, S. (2016). Gaming the night away: A look at video gamers and their bedtimes. [Abstract]. *Sleep*, *39* (Abstract Suppl.) A0168.
- 35. Miller, M., Van Reen, E., Barker, D., **Roane, B.M.**, Borsari, B., McGeary, J.E., & Carskadon, M.A. (2016). Association of sleep quality, psychiatric diagnostic symptoms, and alcohol consequences in college students. [Abstract]. *Sleep*, *39* (Abstract Suppl.) A0851.

H) PRESENTATIONS AT PROFESSIONAL AND/OR SCIENTIFIC MEETINGS

- 1. Associated Professional Sleep Societies Annual Meeting, Salt Lake City, UT. "Epidemiology of Adolescent Insomnia, Psychological Disorders, and Suicide" (6/19/2006)
- 2. Sleep Research Society Trainee Series at the Associated Professional Sleep Societies Annual Meeting, Minneapolis, MN. "Chronicity of Adolescent Insomnia" (6/10/2007)
- 3. *Southern Sleep Society*, San Antonio, TX. "Insomnia, Physical Complaints, and Mood Disturbances in Adolescents" (3/9/2008)
- 4. Association of Behavioral and Cognitive Therapies Annual Meeting, New York, NY. "Natural Course of Adolescent Insomnia: Patterns and Consequences" (11/20/2009)
- 5. Associated Professional Sleep Societies Annual Meeting, Boston, Massachusetts. "Looking Beyond Short Sleep: What Role Does Sleep Variability Play in Weight Gain?" (6/13/2012)
- 6. Texas Society of Sleep Professionals 5th Annual Sleep Conference, Dallas, TX. "What's Different About Kids" (10/27/2012)
- 7. Association of Behavioral and Cognitive Therapies Annual Meeting, Baltimore, MD. "Altering Unhelpful Beliefs About Sleep with Behavioral and Cognitive Therapies" (11/16/2012)
- 8. *Primary Care Conference*, South Padre Island, TX. "Sleep in Pediatric Patients: Normal and Disordered" (6/26/2013)
- 9. *Primary Care Conference*, South Padre Island, TX. "Sleep Disorders in Adult and Geriatric Patients: Considerations and Comorbidities" (6/26/2013)
- 10. *Texas Academy of Physician Assistants 39th Annual Conference*, Fort Worth, TX. "Sleep Disorders: Under-recognized and Underdiagnosed" (8/22/2014)
- 11. Primary Care Conference, Fort Worth, TX. "Healthy Patient Sleep Medicine" (4/22/2016)
- 12. Associated Professional Sleep Societies Annual Meeting, Denver, Colorado. "Gaming the night away: A look at video gamers and their bedtimes" (6/13/2016)

I) CONTINUING EDUCATION

- 2009 Pediatric Sleep Conference (14 CEUs)
- 2011 Pediatric Sleep Conference (27 CEUs)
- 2012 SLEEP Conference (18 CEUs)
- 2013 Risk Management (2 CEUs)
- 2013 2nd Annual Behavioral Sleep Medicine Conference (8 CEUs)
- 2013 32nd Annual Dr. Stanley Weiss: Primary Care Update (2 CEUs)
- 2013 Pediatric Sleep Conference (10 CEUs)

Brandy M. Roane, Ph.D., CBSM

2014	2014 SLEEP Conference (12 CEUs)	
2014	Ethics (3 CEUs)	
2014	Cultural Diversity (4 CEUs)	
2015	Ethics (4 CEUs)	
2015	2015 Pediatric Sleep Conference (9 CEUs)	
2016	2016 SLEEP Conference (23.75 CEUs)	
2016	Ethics (3 CEUs)	

J) PROFESSIONAL SCHOLARLY ACTIVITIES

a. Journal Reviewer

Journal Revie	<u>wer</u>
2008-current	Reviewer, Journal of Behavioral Sleep Medicine
2010-current	Reviewer, <i>SLEEP</i>
2011-current	Reviewer, Journal of Clinical Sleep Medicine
2011-current	Reviewer, Chronobiology International
2011-current	Reviewer, Journal of Adolescent Health
2011-current	Reviewer, Journal of Applied Developmental Pediatrics
2012-current	Reviewer, Journal of Clinical Child and Adolescent Psychology
2012-current	Reviewer, Sleep Medicine
2012-current	Reviewer, <i>PEDIATRICS</i>
2012-current	Reviewer, Perceptual & Motor Skills
2013-current	Reviewer, Journal of Early Adolescence
2013-current	Reviewer, Health Psychology
2013-current	Reviewer, Journal of Sleep Research
2013-current	Reviewer, Nutrition Research
2013-current	Reviewer, Psychiatry Research
2013-current	Reviewer, BMC Psychiatry
2013-current	Reviewer, Sleep Medicine

b. Grant Reviewer

None at this time

c. Scientific Session Reviewer

None at this time

d. Abstract Reviewer

None at this time

e. Education/Scientific Consultant

2014-current Sleep and Accelerometer Research Design Consultant, Johnson & Johnson

f. Scholarly Activities (work-in-progress)

2014-current Reviewer, Acta Paediatrica

2013-2015	Anticipatory Guidance in Early Infant Care (Role: Co-I)
2014-current	Impact of Parental Smoking on Sleep Disorder Diagnoses and Outcomes (Role: PI)
2014-current	Blood Gas Threshold for Sympathoexcitation: The Role of Oxidative Stress (Role: Co-I)
2015-current	Osteopathic Manipulative Medicine in Pregnancy: Physiologic and Clinical Effects
	(Role: Statistical Consultant)

g. Organizer of Scientific/Medical/Educational Meeting

Sleep Research Society, Trainee Day SubcommitteeSleep Research Society, Trainee Day Subcommittee

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Brandy M. Roane, Ph.D., CBSM

PROFESSIONAL SOCIETIES

A) Membership in Professional Organizations

2006-present Member, Sleep Research Society

2007-2014 Member, Association for Behavioral and Cognitive Therapies

2010-2015 Member, Society of Behavioral Sleep Medicine

2012-2014 Member, Society for Research on Biological Rhythms

B) Offices held

None at this time

C) Activities involvement

- a. Media consultant sleep expert, *Fox 4 News*, "North Texans Power Up with Power Naps" (3/18/2013) http://www.myfoxdfw.com/video?clipId=8652856&topVideoCatNo=237008&autoStart=true
- b. Media consultant sleep expert, *KLIF/WBAP*, "Daylight Savings Time Tips" (10/31/2013)
- c. Media consultant sleep expert, KRLD, "Daylight Savings Time Tips" (11/1/2013)
- d. Media consultant sleep expert, *HealthDay News*, "Can You Catch Up on Sleep?" (11/13/2013) http://www.everydayhealth.com/news/can-you-catch-up-sleep/
- e. Media consultant sleep expert, WFAA ABC 8 News, "Back to School Sleep Tips" (8/13/2014)
- f. Media consultant sleep expert, *Fox 4 News*, "Back to School Sleep Tips" (8/20/2014) http://www.myfoxdfw.com/video?clipId=10505031&autoStart=true
- g. Media consultant sleep expert, *Radio VR (Moscow)*, "Sleep Trackers: Useful or Inaccurate Gimmicks?" (9/09/2014)
- h. Media consultant sleep expert, *LA Times*, "Trying to get a good night's sleep? Here are some tips." (5/9/2015). http://touch.latimes.com/#section/-1/article/p2p-83489960/?related=true
- *i.* Media consultant sleep expert, *NBC*, "Sleep aids not recommended for long term use." (3/10/2016). http://www.nbcdfw.com/news/health/Using-Medicine-To-Fall-Asleep-371692101.html
- j. Media consultant sleep expert, KERA News, "Adult gamers sacrifice a lot o fshut-eye to keep playing, UNTHSC study shows." (9/21/2016). http://keranews.org/post/adult-gamers-sacrifice-lot-shut-eye-keep-playing-unthsc-study-shows

D) Supportive documentation

- a. Teaching
 - 1. Peer reviews (available upon request)
 - 2. Student evaluations (available upon request)





Curriculum Vitae

Hugo Banda Sanchez, M.D., Ph.D.

CURRENT TITLE: Assistant Professor

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State	
1991-1994	B.S. Biology	University of California Irvine, Irvine, CA	

GRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State	
1995-2004	M.D., Ph.D. in Biomedical Sciences	University of California San Diego,	
		San Diego, CA	

POSTGRADUATE TRAINING:

1 OST GLUBOTTE THUMBER			
Years	Training Level/Specialty	Institution, City, State	
2004-2005	Internship, General Surgery	Baylor College of Medicine, Houston, TX	
2005-2009	Residency, Orthopaedic Surgery	University of California San Diego, San Diego, CA	
2009-2010	Arthroplasty Fellowship	Texas Hip & Knee Center, Fort Worth, TX	
2010	Arthroplasty Fellowship	Texas Center for Joint Replacement, Plano, TX	

BOARD CERTIFICATION:

Year Certified	Board	Specialty
2012	ABOS	Orthopaedic Surgery

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
2006	California, A94514	12/31/2017
2008	Texas, N0430	2/28/2018





OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
2010-2016	Assistant Professor Department of Orthopaedics	University of North Texas Health Science Center, Fort Worth, TX
2016-Present	Adjunct Assistant Professor Department of Orthopaedics	University of North Texas Health Science Center, Fort Worth, TX
2016-Present	Assistant Professor Department of Orthopaedics	Acclaim Physicians Group, Fort Worth, TX

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role
2010-Present	JPS Orthopaedic Residency Training	Preceptor at JPS, Harris and Plaza Hospitals
2010-Present	UNT Physician's Assistant Musculoskeletal Course	Lecturer

Honors and Awards

Years	Honor/Award Type	Institution	
1991-1994	Howard Hughes Undergraduate Research Fellow	University of California Irvine, Irvine, CA	
1998-2000	NIH RO1 HD34534-05 Supplement	University of California San Diego, San Diego, CA	
2008-2009	James C. Esch, M.D. Arthroscopy Award	University of California San Diego, San Diego, CA	
2012	Louis Levy Teacher of the Year	John Peter Smith Orthopaedics, Fort Worth, TX	
2013	President's Award	University of North Texas Health Science Center, Fort Worth, TX	
2013-2015	Super Doctors – Rising Star	Fort Worth Monthly Magazine, Fort Worth, TX	
2015	Writer's Award	American Journal of Orthopaedics	
2015-2016	Top Doctor	Fort Worth Magazine, Fort Worth, TX	
2016	Top Doctor	University of North Texas, Fort Worth, TX	
2017	Top Doctor	360 Magazine, Fort Worth, TX	





ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2010-Present	Department of Orthopaedic Surgery Research - Chairman	John Peter Smith Hospital, Fort Worth, TX
2010-Present	Department of Orthopaedic Surgery Research - Chairman	University of North Texas Health Science Center, Fort Worth, TX
2014-2015	Secretary of Orthopaedic Division	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX
2015-2016	Vice - Chief of Orthopaedic Division	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX
2015-2016	Orthopaedic Quality Review Committee - Chairman	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX
2017-Present	Chief of Orthopaedic Division	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX

Professional Committees

Years	Title/Role,	Institution, City, State, Country
2010-Present	Arthritis Foundation of Tarrant County - Member	Arthritis Foundation, Fort Worth, TX
2010-2011	President's Strategic Thinking Counsel for Research - Member	University of North Texas Health Science Center, Fort Worth, TX
2012-Present	Orthopaedic Quality Review Committee - Member	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX
2014-Present	JPS Credentialing Committee - Member	John Peter Smith Hospital, Fort Worth, TX
2016-Present	BOOST Block Policy Workgroup - Member	Texas Health Resources Harris Methodist Hospital, Fort Worth, TX

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course Lectures

Course Lectures				
Inclusive years (yyyy-yyyy)	Course title and number	Number of times the course is taught annually	Type of students taking the course (e.g., medical; dental; nursing; etc.	Number of students taking the course
2010-Present	UNT Gross Anatomy – lab procotor	Annually	Medical students	50





2014-Present	MPAS 5250 Musculoskeletal Course - lecturer	Annually	Physician Assistant students	50
Clinical Teaching				
Inclusive years (yyyy-yyyy)	Course title and number/teaching topic	Number of times the course is taught annually	Type of students taking the course (e.g., medical; dental; nursing; etc.	Number of students taking the course
2010-Present	Orthopaedic Surgery Residency	Continuously	Medical student and residents	4-6

PEER-REVIEWED JOURNAL ARTICLES

- 1. **Sanchez, H.B.**, Yieh, L., Osborne, T.F. (1995). Cooperation by sterol regulatory element-binding protein and Sp1 in sterol regulation of the low density lipoprotein receptor gene. *J Biological Chemistry*, 270(3):1161-1169.
- 2. Yieh, L., **Sanchez, H.B.**, Osborne, T.F. (1995). Domains of transcription factor Sp1 required for synergistic activation with sterol regulatory element binding protein 1 of low density lipoprotein receptor promoter. *Proc Natl Acad Sci USA*, *92*(13):6102-6106.
- 3. Bennett, M.K., Lopez, J.M., **Sanchez, H.B.,** Osborne, T.F. (1995). Sterol regulation of fatty acid synthase promoter; coordinate feedback regulation of two major lipid pathways. *J Biol Chem,* 270(43):25578-25583.
- Lopez, J.M., Bennett, M.K., Sanchez, H.B., Rosenfeld, J.M., Osborne, T.F. (1996). Sterol regulation of acetyl coenzyme A carboxylase: a mechanism for coordinate control of cellular lipid. *Proc Natl Acad* Sci USA, 93(3):1049-1053.
- 5. Vallett, S.M., **Sanchez, H.B.**, Rosenfeld, J.M. and Osborne, T.F. (1996). A direct role for sterol regulatory element binding protein in activation of 3-hydroxy-3-methylglutaryl coenzyme A reductase gene. *J Biol Chem, 271(21)*:12247-12253.
- 6. Athanikar, J.N., **Sanchez, H.B.**, Osborne, T.F. (1997). Promoter selective transcriptional synergy mediated by sterol regulatory element binding protein and Sp1: a critical role for the Btd domain of Sp1. *Mol Cell Biol*, *17*(*9*):5193-5200.
- 7. Lin, W., **Sanchez, H.B.**, Deerinck, T., Morris, J.K., Ellisman, M., Lee, K.F. (2000). Aberrant development of motor axons and neuromuscular synapses in erbB2-deficient mice. *Proc Natl Acad Sci USA*, *97(3)*:1299-1304.
- 8. **Sanchez, H.B.**, Mariano, E.R., Abrams, R. and Meunier, M. (2008). Pneumothorax following infraclavicular brachial plexus block for hand surgery: 2 case reports. *Orthopedics*, *31*(7):709.
- 9. Ball, S.T., Mahoney, O.M., **Sanchez, H.B.**, Schmalzried, T.P. (2011). Fixed Versus Rotating Platform Total Knee Replacement. *J Arthroplasty*, *26*(4):531-6.
- 10. Kitchen, B., **Sanchez, H.B.,** Wagner, R.A. (2014). Femoral Shortening Osteotomy with Stemmed Resurfacing Total Knee Arthroplasty for Severe Flexion Contracture in Juvenile Rheumatoid Arthritis A Case Report. *J Orthop, 12(2)*:118-21.





- 11. Burge, R., **Sanchez, H.B.**, Wagner, R.A. (2014). Quadriceps and Patellar Tendon Pie-Crusting as a Treatment for Limited Flexion in Total Knee Arthroplasty. *Am J Orthop, 43(4)*:E83-8.
- 12. Boe, E., **Sanchez, H.B.**, Kazenske, F.M., Wagner, R.A. (2014). Efficacy of skin preparation in eradicating organisms before total knee arthroplasty. *Am J Orthop, 43(12)*:E309-12.
- 13. Kitchen, B., **Sanchez, H.B.**, Wagner, R.A. (2014). Shortening femoral osteotomy with stemmed resurfacing total knee arthroplasty for severe flexion contracture in Juvenile Rheumatoid Arthritis. *J Orthop*, 12(2):118-21.
- 14. Luedke, C., Crawford, W.S., Payne, J., **Sanchez, H.B**. (2015). Metastatic Endometrial Carcinoma Invading Bilateral Total Knee Arthroplasty. *Arthroplasty Today, 1*:31-35.
- 15. Chambers, A.W., Wood, A.R., Kosmopoulos, V., **Sanchez, H.B.**, Wagner, R.A. (2016). Effect of Posterior Tibial Slope on Flexion and Anterior-Posterior Tibial Translation in Posterior Cruciate-Retaining Total Knee Arthroplasty. *J Arthroplasty*, *31*(1):103-6.

NON PEER-REVIEWED JOURNAL ARTICLES

1. Solomon, D.J., **Sanchez, H.B**. (2008). Epicondylitis. *Epocrates online*. https://online.epocrates.com/u/2911978/Epicondylitis

Meeting Presentations

National	
1994	Sanchez, H.B. , Yieh, L., Osborne, T.F. A novel role for ubiquitous transcription factor Sp1 in sterol-dependent regulation of the low density lipoprotein gene. University of Chicago SACNAS Conference, Chicago, IL, USA.
2000	Sanchez, H.B. and Lee, K.F. p75NTR modulates erbB2 dependent MAP kinase signaling and down-regulation in cultured Schwann cells. Tyrosine Phosphorylation and Cell Signaling: The Third Decade. San Diego, CA, USA
2008	Ball, S.T., Mahoney, O.M., Sanchez, H.B. , Schmalzried, T.P. Fixed Versus Rotating Platform Total Knee Replacement. Western Orthopaedic Association. Honolulu, HI, USA.
2013	Berge, R., Wagner, R.A., Sanchez, H.B. Prepatellar Fat Thickness Ratio as an Indicator of Infection Risk following Total Knee Arthroplasty. 32nd Annual Mid-America Orthopaedic Association Meeting, San Antonio, TX, USA.
2014	Boe, E., Sanchez, H.B., Kazenske, F., Wagner, R.A. Efficacy of Preoperative Skin Preparation in Eradicating Organisms Before Total Knee Arthroplasty. American Academy of Orthopaedic Surgeons. New Orleans, LA, USA. <i>Second Place: Residence Writer's Award</i>
2015	Chambers, A., Wood, A., Kosmopoulos, V., Sanchez, H.B. , Wagner, R. Effect of Tibial Slope on Flexion and Femoral Roll Back in Total Knee Arthroplasty: A Cadavaeric Study. Annual AAOS Meeting, Las Vegas, NV, USA.
2016	Sheffer, B., Wagner, R.A., Wood, R.A., Rabbani, T., Sanchez, H.B. Resident Total Knee Arthroplasty Training: The Protective Benefits of an Osteotome during Cruciate Retaining TKA. Southern Orthopaedic Association Regional Meeting. Naples, FL, USA.

Regional/Local

2003 Sanchez, H.B. Molecular characterization of NGF modulation of erbB2 signaling in





Schwann cells. Doctoral Dissertation - University of California San Diego, San Diego, CA, USA. 2011 Sanchez, H.B. Living with Arthritis. Arthritis Foundation: Women, Arthritis and Exercise. Town Hall Meeting with Senator Wendy Davis. UNTHSC, Fort Worth, TX, USA. 2012 Behl, A.R., Boe, E., Sanchez, H.B., Kazenske, F.M., Wagner, R.A. Efficacy of Preoperative Skin Preparation in Eradicating Organisms Before Total Knee Arthroplasty. John Peter Smith Research Day, Fort Worth, TX, USA. 2012 Yu, M.Y., Sanchez, H.B., Wagner, R.A., Kosmopoulos, V. The Effects of Femoral Rotation on Patellar Shift and Tilt. John Peter Smith Research Day, Fort Worth, TX, USA. 2012 Behl, A.R., Boe, E., Sanchez, H.B., Kazenske, F.M., Wagner, R.A. Efficacy of Preoperative Skin Preparation in Eradicating Organisms Before Total Knee Arthroplasty. 20th Annual Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX, USA. 2012 Yu, M.Y., Sanchez, H.B., Wagner, R.A., Kosmopoulos, V. The Effects of Femoral Rotation on Patellar Shift and Tilt. 20th Annual Research Appreciation Day, University of North Texas Health Science Center, Fort Worth, TX, USA. 2013 Berge, R., Wagner, R.A., Yu, M., Sanchez, H.B. Pie-Crusting of the Patellar Tendon for Patella Baja in Total Knee. John Peter Smith Research Day, Fort Worth, TX, USA. 2013 Sanchez, H.B. Advances in Medicine: Living with Arthritis. Harris Methodist Fort Worth. Fort Worth, TX, USA. 2013 Heim, K.A., McAleer, L., Kitchen, B., Diggs, V., Sanchez, H.B., Wagner, R.A. Risk Factors for Infection in Total Joint Arthroplasty. John Peter Smith Research Day, Fort Worth, TX, USA. 2013 Heim, K.A., McAleer, L., Kitchen, B., Diggs, V., Sanchez, H.B., Wagner, R.A. Risk Factors for Infection in Total Joint Arthroplasty. 21st Annual Research Appreciation Day. University of North Texas Health Science Center, Fort Worth, TX, USA. Chambers, A., Wood, A., Kosmopoulos, V., Sanchez, H.B., Wagner, R.A. Effect of Tibial 2014 Slope on Flexion and Femoral Roll Back in Total Knee Arthroplasty: A Cadavaeric Study. UNTHS Research Appreciation Day. Fort Worth, TX, USA. Resident Research Award Winner. 2015 Boe, E., Sanchez, H.B., Kazenske, F.M., Wagner, R.A. (2014). Efficacy of skin preparation in eradicating organisms before total knee arthroplasty. UNTHS Research Appreciation Day. Fort Worth, TX, USA. Resident Research Award Winner. 2016 Mendez, S., Wagner, R.A., Sanchez, H.B., McElroy, J., Burge, D.O., Ogunyankin, F. Prepatellar Fat Thickness Ratio as an Indicator of Infection Risk following Total Knee Arthroplasty. UNTHS Research Appreciation Day. Fort Worth, TX, USA. 2016 Sheffer, B., Wagner, R.A., Wood, R.A., Rabbani, T., Sanchez, H.B. Resident Total Knee Arthroplasty Training: The Protective Benefits of an Osteotome during Cruciate Retaining TKA. UNTHS Research Appreciation Day. Fort Worth, TX, USA. 2016 Sheffer, B., Wagner, R.A., Wood, R.A., Rabbani, T., Sanchez, H.B. Resident Total Knee

Arthroplasty Training: The Protective Benefits of an Osteotome during Cruciate

Retaining TKA. John Peter Smith Research Day. Fort Worth, TX, USA.

Vita of Troy Schmanke, Ph.D.

PERSONAL INFORMATION

Home Address: 1628 North Lakeview Drive

Palo Pinto, Texas 76484 817-781-6183 (home-cell) troy@schmanke.net

EDUCATION

B.A., 1989, University of Texas at Arlington, Psychology

M.S., 1992, Texas Christian University, Experimental Psychology

Ph.D., 1994, Texas Christian University, Experimental Psychology

Postdoctoral Studies in Neurological Rehabilitation, 1997 Department of Neurology, University of California at Los Angeles

RESEARCH AND TEACHING EXPERIENCE

Graduate Teaching Assistant, 1990 to 1994, Texas Christian University.

Advisor: Dr. Tim Barth. Academic responsibilities included keeping class grade and attendance records, giving spot lectures and teaching lab courses for undergraduates. In addition, I participated in the care and maintenance of the animal vivarium. The focus of my research was on recovery of sensory and motor function after cortical damage in the rat. As the initial graduate student in the lab I was responsible for the lab set-up, including preparing lab space, ordering animals and equipment, and recruiting other graduate students to join the lab. I also supervised undergraduate students participating in histological and behavioral projects. Early studies investigated the effects of MK-801, a presumed neuroprotective agent, on sensorimotor recovery after a cortical injury in a rat. My thesis and dissertation work looked at the effects of d-amphetamine on recovery of sensory and motor function in the rat. Both were published in the Journal of Neurotrauma.

Postdoctoral Fellow, January 1995 to January 1997.

Department of Neurology, UCLA School of Medicine

National Institute of Health and Human Development

National Research Service Award in Neurological Rehabilitation, NRSA T32HDO7416

Postdoctoral Advisors, Dr. Jaime Villablanca, Dr. Dave Hovda and Dr. Bruce Dobkin.

As a postdoctoral fellow and lab manager for Dr. Jaime Villablanca I was responsible for collecting, organizing and analyzing behavioral and histological data, ordering supplies and maintaining equipment, as well as supervising graduate and undergraduate students who participated in various lab projects. I also engaged in acute animal care for the feline subjects after surgery. Research in the lab investigated the age-dependent effects of hemineodecortication on the development of brain morphology, cerebral metabolism and sensorimotor behavior in the cat. This model is an analog of the human clinical procedure applied to children with intractable epilepsy. The results of our studies were published in Developmental Brain Dysfunction, Developmental Brain Dysfunctio

Lab instructor, Student Research Program of the UCLA College of Letters and Sciences and the UCLA Interdepartmental Research Program Honor's Course. Spring 1995 to Spring 1997. Individual supervision of undergraduate students involved in research on the feline hemineodecortication model.

Postdoctoral Fellow, January 1997 to August 1998.

Department of Psychiatry and Biobehavioral Sciences.

UCLA Mental Retardation Research Center, HDO33779

Postdoctoral Advisors, Dr. Bryan King and Dr. James McCracken.

I continued my postdoctoral work working setting up and managing the lab, this included preparing the lab space, ordering supplies and equipment, and filing state licensees to obtain and use hazardous and radioactive chemicals. I also supervised lab personnel while running both histological and behavioral experiments. Studies in the lab looked at rat models of kainic-acid induced seizures, which are a model of epilepsy in children, and the effect of frontal cortex lesions in prepubertal rats on the manifestation of pemoline-induced self-injuries behavior (SIB). Portions of this research were included in a manuscript published in Developmental Neuroscience.

Assistant Professor

Departments of Neuroscience and Histology

New York College of Osteopathic Medicine (NYCOM) of

the New York Institute of Technology (NYIT)

August 31, 1998 to June 18, 2004.

My appointment included presenting Neuroscience and Histology lectures and labs to medical students as part of the basic science curriculum. In addition, I directed my lab, investigating brain injury and recovery paradigms using rat models of cortical injury. Results of our work were presented at annual meetings for both the Society for Neuroscience and National Neurotrauma Society.

I also served as in various other capacities including;

Adjunct Faculty, Instructor, Biology 9570 -Biomedical Research I, Biology 9571-Biomedical Research II. New York Institute of Technology. Fall Semester 1999 to June 18, 2004. Involved mentoring students learning basic research skills while working on morphological and behavioral projects within my lab.

Instructor, Minority Participation in Medical Education Program, Fall 1999 to June 18, 2004. Involved mentoring students learning basic research skills while working on morphological and behavioral projects within my lab.

New York College of Osteopathic Medicine, Institutional Animal Care and Use Committee (IACUC). July 2001 to July 18, 2004.

Consultant

TMA Technology

July 2004-July 2011

TMA Technology, located in Grapevine TX, is a nationwide provider of radiation oncology physics services and quality assurance management tools. The company's physics services specialize in the acceptance and commissioning of new or existing linear accelerators for IMRT and 3-D treatment planning data acquisition. My responsibilities include data analysis, submitting articles and abstracts. I also preparing FDA 510K write-ups for associated business partners. We have published articles in ADVANCE for Imaging and Oncology Administrators and Radiation Oncology News for Administrators, as well as presented material at the annual meeting of the American Association for Physicists in Medicine (AAPM) and the American Society for Therapeutic Radiation and Oncology (ASTRO).

Director

www.BrainDamage.Net

June 2004 - present

In 2004 I established a website to present and track the latest developments in the field of central nervous system injury, rehabilitation and research. These online resources for brain injury research include news, conference information and links to governmental, private and academic organizations, as well as various other sources.

Adjunct Professor

Tarrant County College, Northwest Campus

August 24, 2005 to December, 2005

My appointment at TCC involved teaching classes covering Introduction to Psychology and Lifespan Development.

Adjunct Professor
Texas Christian University
Department of Psychology
August 2010 - May 2011
Lecturer for General Psychology courses.

Managing Director and Senior Scientist University of Kansas Medical Center Cortical Plasticity Laboratory September 2011 – March 2014

As manager of the Cortical Plasticity Lab I was involved in all aspects of laboratory operations. I supervised the staff and keep records of their time. I mentored the students, including interns assigned to us by advanced placement programs from nearby high schools. I maintained experimental records and prepared protocols and reports for the University compliance office, Institutional Animal Care and Use Committee (IACUC), and Laboratory Animal Resources (LAR). I served as the primary point of contact for the LAR, IACUC, the Landon Center on Aging, the Department of Molecular and Integrative Physiology, vendors and other administrators. I maintained animal inventory, health and use records, along with logs of drug use and inventory. I oversaw purchasing and receiving for the lab, and maintain records and reported on expenses on a monthly basis. I also developed several research projects, including a biomechanical analysis of monkey paw usage during a standard motor task, and a clinical collaboration with Dr. Brian Andrews of the Plastic Surgery Department developing a rodent model of the "Syndrome of the Trephined". I presented an abstract of the paw biomechanics work at the 2012 annual meeting of the Society for Neuroscience, entitled "Development of a model for movement analysis of squirrel monkey prehension".

Adjunct Professor
Texas Christian University
Department of Psychology
January 2015-present
Lecturer for Human Neuropsychology and Introduction to Psychology courses.

RESEARCH GRANTS

Principal Investigator, American Osteopathic Association Grant #00-07-500, Effects of Osteopathic Manipulative Therapy on Locomotor Ability after Neocortical Injury in Rats. Total direct costs \$19,400. Approved by AOA Board of trustees. Project start date September 1, 2000, end date April 1,2002.

Principal Investigator, American Osteopathic Association Grant #00-07-500. Effects of Osteopathic Manipulative Therapy on Locomotor Ability after Neocortical Injury in Rats Project approved for renewal, total direct costs \$28,400. Project start date April 4, 2002, project end date, January 2003.

AWARDS

Faculty Scholar Spring 2002 New York College of Osteopathic Medicine of the New York Institute of Technology

STUDENT AWARDS

Gerry Gracia, NYIT Presidential Service Award, December 6, 2000. Heidi Rosario, NYIT Presidential Service Award, April 3, 2001. Natalie Faroq, NY State Science Fair, 3rd Place, 2002. Constanza Ruiz, Vanessa Cappellino Memorial Research Award, April 15, 2002.

PUBLICATIONS

Schmanke, T.D., Avery, R.A. and Barth, T.M. (1996) The Effects of Amphetamine on Recovery of Function After Cortical Damage in the Rat Depend on the Behavioral Requirements of the Task. Journal of Neurotrauma, 13(6), 293-307.

Schmanke, T.D. and Villablanca, J.R. (1997). Application of the Adhesive Patch Test of Sensorimotor Function to a Feline Model of Neocortical Injury. Developmental Brain Dysfunction, 10(1), 20-27.

Schmanke, T.D. and Barth, T.M. (1997). The Effects of Task Specific Practice on Recovery of Vibrissae Evoked Forelimb Placing Behavior in the Rat after Unilateral Cortical Injury. Journal of Neurotrauma, 14(7), 459-468.

Villablanca, J.R., Carlson-Kuhta, P., Schmanke, T.D. and Hovda, D.A. (1998). A Critical Maturational Period for Reduced Brain Vulnerability to Developmental Injury: I. Behavioral Studies in Cats. Developmental Brain Research, 105(2), 309-324.

Schmanke, T.D., Villablanca, J.R., Lekht, V. and Patel, H. (1998). A Critical Maturational Period for Reduced Brain Vulnerability to Developmental Injury: II. Volumetric Study of the Neocortex and Thalamus. Developmental Brain Research, 105(2), 325-337.

King, B.H., Cromwell, H.C., Lee, H.T., Behrstock, S.P., Schmanke, T.D. and Maidment, N.T. (1998) Dopaminergic and Glutamatergic Interactions in the Expression of Self-Injuries Behavior. Developmental Neuroscience, 20(2-3), 180-187.

Villablanca, J.R., Schmanke, T.D. and Hovda, D.A. (1999) Effects of a Restricted Unilateral Neocortical Lesion Upon Cerebral Glucose and Oxidative Metabolism in Fetal and Neonatal Cats. Developmental Brain Research, 117(1), 1-13.

Schmanke, T.D. and Villablanca, J.R. (1999) Regional, Age-Dependent Effects of Hemineodecortication upon Contralateral Neocortical Thickness. Developmental Neuroscience, 21(3-5), 290-297.

Villablanca, J.R., Schmanke, T.D., Lekht, V. and Crutcher, H.A. (2000). The Growth of the Feline Brain from Late Fetal into Adult Life. I. A Morphometric Study of the Neocortex and White Matter. Developmental Brain Research, 122(1); 11-20.

Villablanca, J.R., Schmanke, T.D., Crutcher, H.A. and Sung, A.C. (2000). The Growth of the Feline Brain from late Fetal into Adult Life. II. A Morphometric Study of Subcortical Nuclei. Developmental Brain Research, 122(1), 21-33.

Schmanke, T.D. and Villablanca, J.R. (2001). A critical maturational period of reduced brain vulnerability to injury. A study of cerebral glucose metabolism in cats. Developmental Brain Research, 131/1-2, 127-141.

Schuster, R. and Schmanke, T. (2005). Measuring Quality Healthcare in Radiation Oncology. Oncology Issues, September/October 2005, 43-45.

INTERNET PUBLICATIONS

Schuster, R. and Schmanke, T. (2005). Quality Care in Radiation Oncology: A look at initiatives and the impact of new technologies. ADVANCE for Imaging and Radiation Oncology Administrators, January online EXTRA

CONFERENCE PUBLICATIONS

Barbay, H.S., Schmanke, T.D. and Barth, T.M. (1992). Early MK-801 Treatment Prevents the Reinstatement of Forelimb Deficits Following Unilateral Cortical Lesions in the Rat. Society for Neuroscience Abstracts, 18(1-2), 870.

Schmanke, T.D. and Barth, T.M. Amphetamine Facilitates Recovery of Forelimb Motor Function but not Forelimb Sensory Function. Presentation at the annual meeting Southwestern Psychological Association, Corpus Christi, TX, 1993.

Schmanke, T.D. and Barth, T.M. Amphetamine Facilitates Recovery of Motor but not Sensory Function following Cortical Damage in the Rat. Presentation at the annual meeting of the Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science, Albuquerque, NM, 1993.

Schmanke, T.D. and Barth, T.M. Amphetamine Facilitates Recovery of Forelimb Placing in Wistar rats after Unilateral Cortical Damage. Presentation at the first annual meeting Substance Abuse Institute of North Texas (SAINT), Fort Worth, TX, 1993.

Schmanke, T.D., Avery, R.A. and Barth, T.M. (1993). Amphetamine Facilitates Recovery of Some Aspects of Motor Function Following Unilateral Cortical Lesions in the Rat. Society for Neuroscience Abstracts, 19(1-2), 870.

Schmanke, T.D. and Barth, T.M. Effect of Lesion Size and Location on Contralateral Hindlimb Locomotor Ability in Rats. Presentation at the annual meeting of the Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science, Durango, Colorado, 1994. Vol. 34(1), 17.

Schmanke, T.D. and Barth, T.M. (1994). The Contribution of Task-Specific Experience to the Amphetamine-Induced Facilitation of Recovery in Rats with Cortical Damage. Society for Neuroscience Abstracts, 20(1-2), 1431.

Schmanke, T.D. and Villablanca, J.R. (1995) A Novel Test of Sensorimotor Function in a Feline Model of Neocortical Injury. Journal of Neurotrauma, 12(5), 965.

Schmanke, T.D., Villablanca, J.R, Manson, D. and Lekht, V. (1996). Effect of Hemineodecortication on Cross-Sectional Area of the Remaining Neocortex in Neonatal and Adult-Lesioned Cats. Journal of Neurotrauma, 13(10), 629.

Schmanke, T.D., Villablanca, J.R. and Lekht, V. (1996). Differential Shrinkage of the Remaining Neocortex in Cats with Hemineodecortication Sustained Neonatally or in Adulthood. Society for Neuroscience Abstracts, 22(1-3), 306.

Hovda, D.A., Villablanca, J.R. and Schmanke, T.D. (1996). A Neocortical Lesion Sustained during the Late Fetal Period Induces a Widespread Enduring Reduction in Cerebral Metabolism in Cats. Society for Neuroscience Abstracts, 22(1-3), 305.

Villablanca, J.R., Patel, H.M. and Schmanke, T.D. (1996). Age-at-lesion Reduction in Bilateral Thalamic Volume in Hemineodecorticate Cats. Society for Neuroscience Abstracts, 22(1-3), 305.

Carlson-Kuhta, P., Villablanca, J.R., Schmanke, T.D. and Hovda, D.A. Early-Brain Lesion Effect: Which is the Postnatal Age-at-lesion Limit for Greater Recovery/Sparing in Cats? (1996) Society for Neuroscience Abstracts, 22(1-3), 306.

Schmanke, T.D., Villablanca, J.R. and Manson, D.M. The Remaining Neocortex is Thicker after Early Postnatal Versus Adult Hemineodecortication in Cats. (1997) Society for Neuroscience Abstracts, 23(2), 1715.

Villablanca, J.R., Hovda, D.A. and Schmanke, T.D. Regional Cerebral Metabolic Rates Reflect Age-at-Lesion Differences in Hemineodecorticated Cats. (1997) Society for Neuroscience Abstracts, 23(2), 1311.

King, B.H., Hsu, A., Chang, K., Chang, Q., and Schmanke, T.D. Kainic Acid-Induced Status Epilepticus Enhances Pemoline-Induced Self-Biting Behavior in Pre-Pubertal Rats. (1997) Society for Neuroscience Abstracts, 23(2), 1365.

Villablanca, J.R., Schmanke, T.D. and Crutcher, H.A. The Growth of the Feline Brain from Late Fetal Into Adult Life. I. The Caudate Nucleus. (1998) Society for Neuroscience Abstracts, 24(1), 302.

Schmanke, T.D., Villablanca, J.R. and Sung, A.C. The Growth of the Feline Brain From Late Fetal Into Adult Life. II. The Thalamus. (1998) Society for Neuroscience Abstracts, 24(1), 302.

Petrizzo, A.M., Olsen, D., Petrizzo, G., Schmanke, T.D. and Andrews, M.A.W. Repeated Injections of Synthol Increases Muscle Mass and Increases Fatigability of the Myofilaments. (1999) Presentation at the annual meeting of the American Osteopathic Association of Sports Medicine, Myrtle Beach, South Carolina, April 1999.

Schmanke, T.D., Lekht, V., Sung, A.C. and Villablanca, J.R. The Growth of the Feline Brain from Late Fetal into Adult Life. III. The Neocortex Grows Fast. (1999) Society for Neuroscience Abstracts, 25(2), 2265.

- Villablanca, J.R., Tabavi, K., Crutcher, H.A. and Schmanke, T.D. The Growth of the Feline Brain from Late Fetal into Adult Life. IV. The Forebrain White Matter Grows Slowly. (1999) Society for Neuroscience Abstracts, 25(2), 2266.
- Schmanke, T.D., Stevens, Q. and Reilly, T. Performance on Postoperative Motor Tasks is Influenced by Pemoline and Task Experience after Neocortical Injury in Prepubertal Rats. (1999) Journal of Neurotrauma, 16(10), 1008.
- Schmanke, T.D. and Gracia, G. Changes in Sensorimotor Responsiveness are Determined by Testing Environment during Adhesive Patch Stimulation in Rats. (2000) Society for Neuroscience Abstracts, 26(2), 2297.
- Schmanke, T. Rosario, H. Chugtai, H. During, A. and Ruiz, C. Differences in Locomotor Behavior between Male and Female Long-Evans Rats: Effects of a Unilateral Neocortical Lesion. Presentation at the 2001 annual meeting of the Society for Neuroscience, San Diego, California.
- Schmanke, T., Rosario, H., Chugtai, H., During, A. and Ruiz, C. Gender Determines Motor Performance after Unilateral Lesions of the Sensorimotor Cortex in Long-Evans Rats. Presentation at the 2001 annual meeting of the Neurotrauma Society, San Diego, California.
- Schmanke, T., Rosario, H., Chughtai, H., Ruiz, C, O'Halpin, S., Wells, M., Hallas, B. and Scandalis, T. Osteopathic Manipulative Intervention and Locomotor Recovery after Unilateral Sensorimotor Cortex Lesions in Rats. Presentation at the 2002 annual meeting of the American Osteopathic Association. Las Vegas, Nevada.
- T. Schmanke, Ph.D, H. Rosario, B.S., C. Ruiz, M.D., J. Collupy-Abdallah, M.S., and M. Pathrose, B.S. Gender Specific Activity and Foot-Fault Performance on the Grid Task after Castrations and Ovarectomies. Presentation at the 2002 annual meeting of the Neurotrauma Society, Tampa Bay, Florida.
- Schmanke, T., Rosario, H., Chughtai, H., Ruiz, C, O'Halpin, S., Abdallah, J., Wells, M., Hallas, B. and Scandalis, T. Enhanced Post-Operative Physical Therapy Improves Locomotor Recovery after Unilateral Sensorimotor Cortex Lesions in Rats. Presentation at the 2002 annual meeting of the Society for Neuroscience. Orlando, Florida.
- T. Schmanke, G. Vergara, J. Cosgrove, and J. Collupy-Abdallah. Physiological Determinants of Female Motor Performance on the Grid-Footfault Task.
- Presentation at the annual meeting of the Society for Neuroscience. November 8-12, 2003. New Orleans, Louisiana.
- T. Schmanke. Biomechanical Analysis of Male and Female Motor Performance on the Beam-Walking Task after a Unilateral Cortical Injury. Presentation at the 2004 annual meeting of the National Neurotrauma Society, San Diego, CA.
- T. Schmanke. Biomechanical Analysis of Beam-Walking Behavior in Rats. Presentation at the "Reprogramming the Human Brain" Scientific Symposium, April 7-8, 2005. University of Texas at Dallas, Callier Center for BrainHealth, Dallas, Texas.
- K. Schmanke, T. Schmanke, M. Kitch and B. Schuster. Survey of Quality Performance Status in Radiation Oncology Departments. Presentation at the 47th Annual meeting of the American Association of Physicists in Medicine, July 24-28, 2005, Seattle, Washington.

T. Schmanke. A Biomechanical Model of Forelimb Use During the Beam-Walking Task in Long-Evans rats. Presentation at the 2006 annual meeting of the National Neurotrauma Association, St. Louis. Missouri, July, 2006.

K. Strömbom, A. Geier, T. Schmanke, R. Nudo. Development of a model for movement analysis of squirrel monkey prehension. Presentation at the 2012 Annual Meeting of the Society for Neuroscience.

REFERENCES

Dr. Mauricio Papini

Department of Psychology

Professor and Chairman of the Psychology Department

Texas Christian University

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CURRICULUM VITAE

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Surgical Group of North Texas, LLP

1056 Texan Trail Grapevine, TX 76051 Phone: (817) 251-0070 Fax: (972) 259-2040

DATE OF BIRTH: 12/27/64 (Rajkot, India)

PERSONAL: Married, three children (born 1997, 2001, 2004)

CITIZENSHIP: U.S.A.

EDUCATION:

1983 - 1988 M.B., B.S., Aga Khan University, Karachi, Pakistan

1990 - 1991 M.P.H., Johns Hopkins University, Baltimore, MD

2015 – 2017 (expected) M.B.A. Southern Methodist University, Dallas, TX

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

Nov. '88 - Oct. '89 Rotating Intern (Medicine, Surgery, Pediatrics), Aga Khan University

Hospital, Karachi, Pakistan

Nov. '89 – Jun. '90 Resident, Community Health Sciences, Aga Khan University,

Karachi, Pakistan

Jul. '91 - Dec. '95 Resident, General Surgery, University of Medicine and Dentistry

of New Jersey, New Jersey Medical School, Newark, NJ

Jan. '96 – Jun. '97 Research Fellow, Pediatric Trauma, Children's Hospital of Buffalo,

Buffalo, NY

Jul. '97 – Jun. '98	Chief Resident, General Surgery, University of Medicine and Dentistry, New Jersey Medical School, Newark, NJ
Oct. '01 - Oct. '03	Fellow, Division of Traumatology & Surgical Critical Care, Hospital of the University of Pennsylvania, Philadelphia, PA.

FACULTY APPOINTMENTS:

Oct. '03 – Apr. '09	Assistant Professor of Surgery University of Texas Southwestern Medical School at Dallas
May '06 – Apr. '09	Adjunct Assistant Professor of Public Health University of Texas School of Public Health at Houston Dallas Regional Campus
Mar. '99 – May '01	Senior Instructor, General Surgery and Public Health Aga Khan University and University Hospital, Karachi, Pakistan

HOSPITAL APPOINTMENTS:

Apr. '09 – present	Staff Surgeon, Baylor Regional Medical Center at Grapevine (Grapevine, TX), Baylor Medical Center at Irving (Irving, TX), Baylor University Medical Center (Dallas, TX), Irving-Coppell Surgical Center
Jun. '14 – present	Staff Surgeon, Forest Park Medical Center, Southlake, TX
Apr. '09 – Oct. '09	Las Colinas Medical Center (Irving, TX)
Oct. '03 – Apr. '09	Staff Surgeon, Parkland Memorial Hospital, Veterans Affairs Medical Center Dallas, Zale Lipshy University Hospital, St. Paul Medical Center, Dallas, TX
Oct. '02 – Sep. '03	Staff Surgeon, Hosp. of Univ. of Pennsylvania, Philadelphia, PA Staff Surgeon, St. Luke's Hospital, Bethlehem, PA
Mar. '99 – Apr. '01	Staff Surgeon, Aga Khan University and University Hospital, Karachi, Pakistan

ADMINISTRATIVE POSITIONS:

Jan. '17 – present	CEO, Surgical Group of North Texas, Grapevine, TX
Jul. '15 – present	Medical Director for Surgical Services, Baylor Scott & White Quality Alliance (An ACO), Dallas, TX
Jul. '14 – present	Director, Surgical Quality Analytics, Baylor Scott & White Health System, Dallas, TX
Jun '15 – present	Member, Metroport Teen Court Advisory Board, Southlake, TX

Mar. '15 – present	Chair, General Surgery Subcommittee, Baylor Scott & White Quality Alliance (an Accountable Care Organization – ACO), Dallas, TX
May '14 – present	Councilman (elected position), City of Southlake, TX
Jun '14 – present	Member, Tax Increment and Reinvestment Zone Board, Southlake, TX
Nov. '14 – Nov. '15	Founding Director, Research Institute, John Peter Smith Hospital, Fort Worth, TX
Apr. '13 – Nov. '14	Consultant, Research Development, John Peter Smith Hospital, Fort Worth, TX
Sep. '14 – present	Co-Chair, Research Committee, for merger of physician groups of John Smith Hospital and University of North Texas Health Sciences Center, Fort Worth, TX
Nov. '12 – Jan. '14	Director of Research, Baylor Institute for Rehabilitation, Dallas, TX
Oct. '06 – Sep. '08	Trauma Medical Director, Parkland Memorial Hospital, Dallas, TX
Oct.'06 – Sep. '08	Course Director, ATLS, Parkland Memorial Hospital, Dallas, TX
Jul. '04 – Sep. '06	Medical Director of Trauma Registry, Parkland Memorial Hospital, Dallas, TX
BOARD CERTIFICATION:	American Board of Surgery - General Surgery (November 1999)
	Specialty Certification - Surgical Critical Care (October 2003)
MEDICAL LICENSURE:	Texas #L 7881
SOCIETY MEMBERSHIP:	American Association for Physician Leadership American College of Healthcare Executives American College of Surgeons American Association for the Surgery of Trauma Society of Critical Care Medicine Society of University Surgeons Eastern Association for the Surgery of Trauma Western Trauma Association
EDITORIAL SERVICE:	Joint Commission Journal on Quality and Patient Safety (invited reviewer) JAMA Surgery (invited reviewer)
SERVICE TO PROFESSION	AL SOCIETIES
2016	Chair, Ad Hoc Group of AAST to assess the need for developing an "Optimal Resources" document for Emergency General Surgery

Member, Seniors Committee, EAST

2016 - 2019

2016 – 2019	Member, Coding and Reimbursement Committee, AAST
2013 – 2016	Member, Strategic Review Committee, EAST
2013 – 2014	Chair, EAST Research and Scholarships Committee
2011 – 2014	Chair, AAST Committee on Injury Assessment and Outcomes
2012 – 2013	Chair, EAST Scholarship Committee
2011 – 2014	Member, Board of Directors, EAST
2011 – 2014	Member, Board of Trustees, EAST Foundation
2006 – 2010	Member, Task force for the Trauma Quality Improvement Project (TQIP), American College of Surgeons – Committee on Trauma
2006 – 2012	Vice Chair, North Texas Chapter, ACS - Committee on Trauma
2010 – 2012	Member, EAST Task Force on Research Related Issues
2008 - 2011	Member, AAST Committee on Injury Assessment and Outcomes
2011 – 2012	Chair, EAST Committee on Injury Control and Violence Prevention
2006 – 2009	Member, EAST Committee on Injury Control and Violence Prevention
2007 – 2010	Member, EAST Committee on Practice Management Guidelines
2009 – 2011	Member, EAST Program Committee

HOSPITAL COMMITTEES

2016 – present	Digital Selection Group, Baylor Scott & White Health System, Dallas, TX
2011 – present	Finance Committee, Baylor Quality Alliance (ACO), Baylor Health Care System, Dallas, TX
2011 – 2014	Physician Leadership Council, Baylor Medical Center, Grapevine, TX
2011 – 2013	Physician Champion, Hospital Acquired Pressure Ulcer Prevention, Baylor Medical Center, Grapevine, TX
2010 – 2012	Infection Control Committee, Baylor Medical Center, Grapevine, TX
2008 – 2009	Blood Utilization Review Committee, Parkland Hospital, Dallas, TX
2007 – 2008	Chiefs of Services Committee, Parkland Hospital, Dallas, TX

STATE/LOCAL APPOINTMENTS:

2004 – 2009 North Texas Trauma Regional Advisory Council

2004 – 2009 Texas Governor's EMS and Trauma Advisory Council

POST-GRADUATE TEACHING:

2006 – 2008 Director, Advanced Trauma Life Support (ATLS) course

University of Texas Southwestern, Dallas, TX

Jan. 2006 & 2007 Instructor, Bedside Procedures for the Practicing Intensivists

Society of Critical Care Medicine

Jan. 2006 Instructor, Imaging in Trauma Patients

Society of Critical Care Medicine

AWARDS AND HONORS:

2014 President of the United States Volunteer Service Award for Community

service

2011 Patients' Choice Award, an honor awarded to top 5% of nation's physicians

by the patients.

2011 Five Star Spirit Award from Baylor Regional Medical Center at Grapevine.

Awarded by peer nomination to recognize high quality service provided to

patients.

1997 Winner, Region 2, Resident paper competition

American College of Surgeons – Committee on Trauma.

1995 Distinguished Resident Achievement Award (General Surgery)

University of Medicine and Dentistry of New Jersey

New Jersey Medical School, Newark, NJ

Winner, Region 2, Resident paper competition

American College of Surgeons – Committee on Trauma.

1990 The Johns Hopkins International House Fellowship

Johns Hopkins University School of Public Health, Baltimore, MD

GRANTS:

2012 – 17	Shafi S (PI) . Traumatic Brain Injury Model Systems for North Texas. Funded by the National Institute for Disability and Rehabilitation Research (NIDRR) of the US Dept. of Health and Human Services (previously at the US Department of Education) for \$2.4m over five years.
2012 - 13	Shafi S (PI) . Bundled Payments in Trauma: Potential Impact of the Health Care Reform Act 2010. Funded by Seeger Foundation for \$186,585 over one year.
2009-13	Shafi S (PI) . From NSQIP to TQIP – Trauma Quality Improvement Project. R01 grant funded by AHRQ for \$899,499 over three years.
2010 -11	Shafi S (PI) . Comparative Effectiveness of Clinical Care Processes in Resuscitation and Management of Moderate to Severe Traumatic Injuries – a multicenter study. Funded for \$225,000 for one year by the National Trauma Institute/Dept. of Defense.
2010 - 11	Shafi S (PI) . Comparative Effectiveness of Clinical Care Processes in Resuscitation and Management of Moderate to Severe Traumatic Injuries. Funded by Seeger Foundation for \$53,084 over one year.
2004-07	Shafi S (PI). Funded for \$356,000 by the University of Texas Southwestern Medical School as a Disease-Oriented Clinical Scholar (DOCS) program to support faculty involved in clinical research.
2002-07	Gentilello L (PI), Shafi S (Co-PI) . The Effect of Repealing the Uniform Accident and Sickness Policy Provision Law on Alcohol Screening in Emergency Departments and Trauma Centers. Funded for \$300,000 by the Robert Wood Johnson Foundation, Princeton, NJ.
2002-03	Shafi S (PI) , Mechem CC, Branas CC, Schwab CW. Value of Prehospital Interventions in Firearm Injuries – A Survey of Paramedics. Funded for \$5000 by the Firearm Injury Center at Penn (FICAP), University of Pennsylvania, Philadelphia, PA.
2000-01	Shafi S (PI). Breast Cancer Risk Assessment in Pakistani Women. Funded for \$10,000 by the Aga Khan University, Karachi, Pakistan.
INVITED TALKS:	
2014	Grant Writing Workshop, Eastern Association for the Surgery of Trauma, Annual Scientific Assembly, Naples, FL, Jan. 13, 2014
2014	Building Research Capacity in Trauma, East Texas Medical Center, Tyler, TX, Jan. 9, 2014
2013	Strategic Planning for Academic Surgeons. Eastern Association for the Surgery of Trauma – Leadership Development Workshop, Scottsdale, AZ Jan. 15, 2013

2012	Changes in delivery of health care expected with the Health Care Reform Act of 2010. Southern Methodist University, Executive MBA Program, Nov. 30, 2012
2012	Measuring Quality of Care in Trauma, Trauma Symposium, John Peter Smith Hospital, Fort Worth, TX, September 7, 2012
2012	Measuring Quality of Care in Trauma, Memorial Herman Hospital, Houston, TX, May 2012
2011	Measuring Quality of Care in Trauma, podcast by EAST.
2011	Beyond TQIP: Whats on the horizon for quality measurement in trauma, surgical critical care, and emergency general surgery? Moderator, Plenary Session, Eastern Association for the Surgery of Trauma (EAST), Jan 26, 2011, Naples, FL.
2010	Strategic Planning, at the Leadership Development Workshop of the Eastern Association for the Surgery of Trauma (EAST), Jan. 19, 2010, Phoneix, AZ.
2009	Trauma Quality Improvement Project – TQIP. Texas EMS, Trauma, & Acute Care Foundation (TETAF), EMS/Trauma Registry Summit, April 20-21, 2009, Dallas, TX.
2009	Advanced Ventilator Modes. 11 th Annual Trauma Conference, Texas Health Research and Education Institute, April 24, 2009.
2008	Adult Trauma Epidemiology: Trauma and EMS Systems. UT Houston School of Public Health – Dallas, Regional Campus, October 23, 2008.
2008	Quality Improvement in Trauma Care. Trauma Grand Rounds, University of Toronto, St. Michael's Hospital, January 23, 2008.
2007	From NSQIP to TQIP: Will Your Trauma Center Measure Up. American College of Surgeons, 93 rd Annual Clinical Congress, New Orleans, LA, October 7-11, 2007.
2007	Injury Prevention: Beyond Seat Belts and Helmets. Current Topics in Surgery, annual CME symposium of the Dept. of Surgery, University of Texas Southwestern Medical School, Dallas, TX, May 4, 2007.
2007	DVT Prophylaxis. American College of Surgeons, 35 th Annual Spring Meeting, Las Vegas, NV, April 22-24, 2007.
2007	Massive Resuscitation for Trauma, Grand Rounds, Dept. of Anesthesia, University of Texas Southwestern Medical School, Dallas, TX, November 14, 2007.
2001	Surgery Skills for General Practice in Developing Countries, Kandy Society of Medicine, Kandy, Sri Lanka.

BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS

- 1. Ogola GO, Haider A, **Shafi S**. Hospitals with Higher Volumes of Emergency General Surgery Patients Achieve Lower Mortality Rates: A Case for Establishing Designated Centers for Emergency General Surgery. *Journal of Trauma and Acute Care Surgery (in press)*
- 2. Dahdah MN, Hoffman M, Pretz C, An V, Barnes SA, Bennett M, Dreer LE, Berquist T, **Shafi S**. Factors Associated with Rehabilitation Outcomes after Traumatic Brain Injury: Comparing Functional Outcomes between TBIMS Centers using Hierarchical Linear Modeling. *Journal of Head Trauma Rehabilitation (in press)*
- 3. Phillips JL, Overton TL, Campbell-Furtick M, Simon K, Duane TM, Gandhi RG, **Shafi S**. Trends in Helmet Use by Motorcycle Riders in the Decades Following the Repeal of Mandatory Helmet Laws. *International Journal of Injury Control and Safety Promotion (in press)*
- 4. **Shafi S**, Barnes S, Ahn C, Hemmila MR, Cryer HG, Nathens AB, Neal M, Fildes J. Characteristics of ACS Verified Level I and II Trauma Centers. *Journal of Trauma and Acute Care Surgery* 81:735-42, 2016
- 5. Tominaga GT, Staudenmayer KL, Shafi S, Schuster KM, Savage SA, Ross S, Muskat P, Mowery NT, Miller P, Inaba K, Cohen MJ, Ciesla D, Brown CV, Agarwal S, Aboutanos MB, Utter GH, Crandall M; AAST Committee on Patient Assessment. The American Association for the Surgery of Trauma Grading Scale for 16 Emergency General Surgery Conditions: Disease-Specific Criteria Characterizing Anatomic Severity Grading. Journal of Trauma and Acute Care Surgery (in press) Journal of Trauma and Acute Care Surgery 81:593-602, 2016
- 6. Zogg CK, Olufajo OA, Jiang W, Bystricky A, Scott JW, **Shafi S**, Havens JM, Salim A, Schoenfeld AJ, Haider AH. The Need to Consider Longer-Term Outcomes of Care: Racial/Ethnic Disparities Among Adult and Older Adult Emergency General Surgery Patients at 30, 90, and 180 Days. *Annals of Surgery (in press)*
- Dahdah MN, Barnes S, Buros A, Dubiel R, Dunklin C, Callender L, Harper C, Wilson A, Diza-Arrastia R, Berquist T, Sherer M, Whiteneck G, Pretz C, Vanderploeg RD, Shafi S. Variations in Inpatient Rehabilitation Functional Outcomes Across Centers in Traumatic Brain Injury Model Systems and the Influence of Demographics and Injury Severity on Patient Outcomes. Archives of Physical Medicine and Rehabilitation 97:1821-31, 2016
- 8. **Shafi S**, Collinsworth AW, Richter KM, Alam HB, Becker LB, Bullock MR, Ecklund JM, Gallagher J, Gandhi R, Haut ER, Hickman ZL, Hotz H, McCarthy J, Valadka AB, Weigelt J, Holcomb JB. Bundles of Car for Resuscitation from Hemorrhagic Shock and Severe Brain Injury in Trauma Patients Translating Knowledge into Practice. *Journal of Trauma and Acute Care Surgery* 81:780-94, 2016
- 9. Haider AH, Dankaw-Mullan I, Maragh-Bass AC, Torain M, Zogg CK, Lilley EJ, Kodadek LM, Changoor NR, Najjar P, Rose JA, Ford HR, Salim A, Stain SC, **Shafi S**, Sutton B, Hoyt D, Maddox YT, Britt LD. Setting a National Agenda for Surgical Disparities Research: Recommendations from National Institutes for Health and American College of Surgeons Summit. *JAMA Surgery* 151:554-63,2016

- 10. Campbell-Furtick M, Moore BJ, Overton TL, Laureano Phillips J, Simon KJ, Gandhi RR, Duane TM, **Shafi S**. Post-trauma mortality increase at age 60: a cutoff for defining elderly? *American Journal of Surgery* 212:781-85, 2016
- 11. Dahdah MN, Barnes SA, Buris A, Allmon A, Dubiel R, Dunklin C, Callender L, **Shafi S**. Impact of Preexisting Illness and Substance Use on on Functional and Neuropsychological Outcomes Following Traumatic Brian Injury *Baylor University Medical Center Proceedings* 29:271-6, 2016
- 12. **Shafi S**, Priest EL, Crandall ML, Klekar CS, Nazim A, Aboutanos M, Agarwal S, Bhattacharya B, Byrge N, Dhillon TS, Eboli DJ, Fielder D, Guillamondegui O, Gunter O, Inaba K, Mowery NT, Nirula R, Ross SE, Savage SA, Schuster KM, Schmoker RK, Siboni S, Siparsky N, Trust MD, Utter GH, Whelan J, Feliciano DV, Rozycki G. Multicenter Validation of American Association for the Surgery of Trauma Grading for Acute Colonic Diverticulitis and use for Emergency General Surgery Quality Improvement Program. *Journal of Trauma and Acute Care Surgery* 80:405-411, 2016.
- 13. Post-trauma mortality increase at age 60: a cut-off for defining elderly? *American Journal of Surgery (in press, Epub 2016 Feb 27)*
- 14. Phillips JL, Overton TL, Campbell-Furtick M, Nolen HP, Gandhi RR, Duane TM, **Shafi S**. Bicycle Helmet Use Trends and Related Risk of Mortality and Traumatic Brain Injury among Pediatric Trauma. *Journal of Epidemiology and Public Health Review (in press)*
- 15. Ogola GO, **Shafi S**. Cost of Specific Emergency General Surgery Diseases and Factors Associated with High Cost Patients. *Journal of Trauma and Acute Care Surgery* 80:265-71, 2016.
- 16. Ogola GO, Gale SC, Haider A, **Shafi S**. The Financial Burden of Emergency General Surgery: National Estimates 2010 to 2060. *Journal of Trauma and Acute Care Surgery* 79:444-448, 2015.
- 17. Overton TL, Philips JL, Moore BJ, Campbell-Furtick MB, Gandhi RR, **Shafi** S. The Hispanic Paradox: Does it Exist in the Injured? *American Journal of Surgery* 210:827-32, 2015.
- 18. Leever SC, Parikh V, Crockett M, Bennett M, Shafi S. The Effects of Manual Lymphatic Drainage on Post-operative Pain and Ambulation Distance Following Unilateral Knee Arthroplasty. *Orthopedic Practice* 27;4:15, 222-226, 2015.
- 19. Savage SA, Klekar C, Priest E, Rodriguez, BC, **Shafi S**. Validating a New Grading Scale for Emergency General Surgery Diseases. *Journal of Surgical Research* 196:264-9, 2015.
- 20. Utter GH, Miller PR, Mowery NT, Tominaga GT, Gunter O, Osler TM, Ciesla DJ, Agarwal SK, Inaba K, Aboutanos MB, Brown CVR, Ross SE, Crandall ML, **Shafi S**. ICD-9CM and ICD-10CM Mapping of AAST Emergency General Surgery Disease Severity Grading Systems: Conceptual Approach, Limitations, and Recommendations for the Future. *Journal of Trauma and Acute Care Surgery* 78:1059-65, 2015.
- 21. Shah AA, Haider AH, Zogg CK, Schwartz DA, Haut ER, Zafar SN, Schneider EB, Velopulos CG, **Shafi** S, Zafar H, Efron DT. National Estimates of Predictors of Outcomes for Emergency General Surgery. *Journal of Trauma and Acute Care Surgery* 78:482-90, 2015.
- 22. Patel MB, Richter K, **Shafi S**. Mangled Extremity: Amputation vs. Salvage. Curr Trauma Rep DOI 10.1007/s40719-014-0003-6 (online publication, Springer January 2015)

- 23. Le D, **Shafi S**, Gwirtz P, Bennet M, Reeves R, Callendar L, Dunklin C, Cleveland S. Effect of Obesity on Motor Functional Outcomes of Traumatic Brain Injury Patients. *American Journal of Physical Medicine and Rehabilitation* 94:627-32, 2015.
- 24. Gandhi RR, Overton TL, Haut ER, Lau B, Vallier HA, Rohs T, Hasenboehler E, Lee JK, Alley D, Watters J, Rogers FB, **Shafi S**. Optimal Timing of Femur Fracture Stabilization in Polytrauma Patients: A Practice Management Guideline from the Eastern Association for the Surgery of Trauma. *Journal of Trauma and Acute Care Surgery* 77:787-795, 2014.
- 25. Crandall ML, Agarwal S, Muskat P, Ross S, Savage S, Shuster K, Tominaga G, **Shafi S**. Application of a Uniform Anatomic Grading System to Measure Disease Severity in Eight Emergency General Surgical Illnesses. *Journal of Trauma and Acute Care Surgery* 77:705-708, 2014.
- 26. Harris CL, **Shafi S**. Physical Therapy-drive Quality Improvement to Promote Early Mobility in the Intensive Care Unit. *Baylor University Medical Center Proceedings* 27:203-207, 2014.
- 27. Overton TL, **Shafi S**, Gandhi R. Local Access to Care Program Increases Trauma Patient Follow-up Compliance. *American Journal of Surgery* 208-476-9, 2014.
- 28. Overton TL, **Shafi S**, Cravens GF, Gandhi R. Can Trauma Surgeons Manage Minor Traumatic Brain Injuries. *American Journal of Surgery 208:806-10, 2014*.
- 29. Overton TL, Rives TE, Enriquez S, Hecht C, Gandhi R, **Shafi S.** Distracted Driving: Prevalence, Problems, and Prevention. *International Journal of Injury Control and Prevention* 22:187-92, 2015.
- 30. Overton TL, Williams C, **Shafi S**, Gandhi R. Utilization of Pastoral Care Services for Screening, Brief Intervention, and Referral for Treatment at an Urban Level I Trauma Center. *Journal of Emergency Nursing 40:560-2, 2014*.
- 31. Dahdah MM, Barisa MT, Schmidt K, Barnes SA, Dubiel R, Dunklin C, Harper C, Callendar L, Wilson A, Diaz-Arrastia R, **Shafi S**. Comparative Effectiveness of Traumatic Brain Injury Rehabilitation: Differential Outcomes Across TBI Model Systems Centers. *Journal of Head Trauma Rehabilitation* 29:451-9, 2014.
- 32. Gale SC, **Shafi S**, Dombrovskiy VY, Arumugam D, Crystal JS. The Public Health Burden of Emergency General Surgery in the United States: A 10 year Analysis of Nationwide Inpatient Sample 2001-2010. *Journal of Trauma and Acute Care Surgery* 77:202-208, 2014.
- 33. **Shafi S**, Barnes SA, Rayan N, Kudyakov R, Foreman H, Cryer HG, Alam HB, Hoff W, Holcomb J. Compliance with Recommended Care at Trauma Centers: Association with Patient Outcomes. *Journal of the American College of Surgeons* 219:189-198, 2014.
- 34. **Shafi S**, Barnes SA, Millar D, Sobrino J, Kudyakov R, Berryman C, Rayan N, Dubiel R, Coimbra R. Magnotti LJ, Vercruysse G, Scherer LA, Jurkovich GJ, Nirula R. Suboptimal Compliance with Evidence-based Guidelines in Patients with Traumatic brain Injuries. *Journal of Neurosurgery* 120:773-7, 2014.
- 35. **Shafi S**, Aboutanos M, Brown CV, Ciesla D, Cohen MJ, Crandall ML, Inaba K, Mille PR, Mowery NT. Measuring Anatomic Severity of Disease in Emergency General Surgery. *Journal of Trauma and Acute Care Surgery* 76:884-7, 2014.

- 36. Warren AM, Jones AL, **Shafi S**, Roden-Foreman K, Bennet MM, Foreman ML. Does Caring for Trauma Patients Lead to Psychological Stress in Surgeons. *Journal of Trauma-Injury, Infection & Critical Care* 75:179-84, 2013.
- 37. O'Keeffee T, Friese R, Rhee P, **Shafi S**, Gentilello LM. Alcohol Use Increases Diagnostic Testing, Procedures, Charges, and the Risk of Hospital Admission: A Population-based Study of Injured Patients in the Emergency Department. *American Journal of Surgery* 206;16-22, 2013.
- 38. Sobrino J, Barnes SA, Dahr, N, Kudyakov R, Berryman CA, Nathens AB, Hemmila MR, Neal M, **Shafi S**. Frequency of Adoption of Practice Management Guidelines at Trauma Centers. *Baylor University Medical Centers Proceedings* 26:256-61, 2013.
- 39. **Shafi S**, Aboutanos MB, Agarwal S Jr, Brown CV, Crandall M, Feliciano DV, Guillamondegui O, Haider A, Inaba K, Osler TM, Ross S, Rozycki GS, Tominaga GT. Emergency General Surgery: Definition and Estimated Burden of Disease. *Journal of Trauma-Injury, Infection & Critical Care* 74:1092-7, 2013.
- 40. Sobrino J, **Shafi S**. Timing and Causes of Death after Injuries. *Baylor University Medical Center Proceedings* 26:120-3, 2013.
- 41. Esposito T, Tinkoff G, Reed J, **Shafi S**, Harbrecht B, Thmoas C, Fildes J. AAST Organ Injury Scale: Past, Present, and Future. *Journal of Trauma-Injury, Infection & Critical Care 74:1163-74, 2013.*
- 42. Newgard CD, Fildes JJ, Wu L, Hemmila MR, Burd RS, Neal M, Mann NC, **Shafi S**, Clark DE, Goble S, Nathens A. Methodology and Analytic Rationale for the American College of Surgeons Trauma Quality Improvement Program (TQIP). *Journal of the American College of Surgeons* 216:147-157, 2013.
- 43. Abdalla A, Gunst M, Ghaemmaghami V, Gruszecki AC, Urban J, Barber RC, Gentilello LM, **Shafi S**. Spatial Analysis of Injury related Deaths in Dallas County using Geographical Information Systems. *Proc (Bayl Univ Med Cent.)* 25:208-13, 2012.
- 44. **Shafi S**, Ogola G, Fleming N, Rayan N, Kudyakov R, Barnes SA, Ballard DJ. Insuring the Uninsured: Potential Impact of the Health Care Reform Act of 2010 on Trauma Centers. *Journal of Trauma-Injury, Infection & Critical Care 73:1303-7, 2012.*

Presented at the annual meeting of the Western Trauma Association

45. **Shafi S**, Renfro LA, Barnes SA, Rayan N, Gentilello LM, Fleming N, Ballard DJ. Chronic Consequences of Acute Injuries: Persistent Worse Survival After Discharge. *Journal of Trauma-Injury, Infection & Critical Care 73:699-703*, 2012.

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

46. **Shafi S**, Rayan N, Barnes S, Fleming N, Gentilello LM, Ballard D. Moving from "Optimal Resources" to "Optimal Care" at Trauma Centers. *Journal of Trauma-Injury, Infection & Critical Care* 72: 870-77, 2012.

Presented at the annual meeting of the American Association for the Surgery of Trauma

47. Rayan N, Barnes S, Fleming N, Kudyakov R, Ballard D, Gentilello L, **Shafi S**. Barriers to Compliance with Evidence based Care in Trauma. *Journal of Trauma-Injury, Infection & Critical Care 72: 5885-93, 2012*.

Presented at the annual meeting of the American Association for the Surgery of Trauma

- 48. Matsushima K, Cook A, Tollack L, **Shafi S**, Frankel HL. An Acute Care Surgery Model Provides Timely Care for Both Trauma and Emergency General Surgery Patients. *Journal of Surgical Research 166: e143-7, 2011*.
- 49. Gunst M, Matsushima K, Vanek S, Gunst R, **Shafi S**, Frankel H. Peripherally Inserted Central Catheters May Lower the Incidence of Cather-related Blood Stream Infections in Patients in Surgical Intensive Care Units. *Surg Infec (Larchmont)* 12:279-82, 2011.
- 50. O'Keeffe T, Thekkumel JJ, Friese, S, **Shafi S**, Josephs SC. A Policy of Dedicated Follow-up Improves the rate of Removal of Retrieveable Inferior Vena Cava Filters in Trauma Patients. *American Surgeon 77:* 103—08, 2011.

Presented at the annual meeting of the Trauma Association of Canada

51. Brakenridge SC, Sheng J, Toomay SM, Haley RW, Gentilello LM, **Shafi S**. Predictors of Early vs. Late Timing of Pulmonary Embolism after Traumatic Injury. *Am J Surg 201:209-15, 2011*.

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

52. **Shafi S**, Barnes S, Nicewander D, Ballard D, Nathens AB, Ingraham AM, Hemmila M, Goble S, Neal M, Pasquale M, Fildes JJ, Gentilello LM. Health Care Reform at Trauma Centers: Mortality, Complications, Length of Stay. *Journal of Trauma-Injury, Infection & Critical Care 69: 1367-71, 2010.*

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

53. Gomez D, Haas B, Hemmila M. Pasquale M, Goble S, Neal M, Mann VC, Meredith W, Cryer HG, **Shafi** S, Nathens AB. Hip can Lie: Impact of Excluding Isolated Hip Fractures on External Benchmarking of Trauma Center Performance. *Journal of Trauma-Injury, Infection & Critical Care* 69:1037-41, 2010.

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

- 54. Cotton BA, Dossett LA, Haut ER, **Shafi S**, Nunez TC, Zaydfudim V, Johnston M, Arbogast P, Young PP. Multicenter Validation of a Simplified Score to Predict Massive Transfusion in Trauma. *Journal of Trauma-Injury, Infection & Critical Care 69 Suppl 1: S33-39, 2010.*
- 55. Ingraham AM, Xiong W, Hemmila MR, **Shafi S**, Goble S, Neal ML, Nathens AB. The Attributable Mortality and Length of Stay of Trauma-related Complications: A Matched Cohort Study. *Annals of Surgery* 252:358-62, 2010.

Presented at the annual meeting of the American Association for the Surgery of Trauma

56. Stuke LE, Nirula R, Gentilello LM, **Shafi S**. Protection against Head Injuries Should Not be Optional: A Case for Mandatory Installation of Side Curtain Airbags. *Am J Surg 200: 496-9, 2010*.

Presented at the annual meeting of the *Society of University Surgeons and the Association for Academic Surgery*.

- 57. Cannada LK, Pan P, Casey BM, McIntire DD, **Shafi S**, Leveno KJ. Pregnancy Outcomes after Orthopedic Trauma. *Journal of Trauma-Injury, Infection & Critical Care* 69:694-8, 2010
- 58. Parks JK, Diaz-Arrastia R, Gentilello LM, **Shafi S**. Post-injury Employment as a Surrogate for Functional Outcomes: A Quality Indicator for Trauma Systems. *Proc (Bayl Univ Med Cent)* 23: 355-8, 2010.
- 59. Gunst M, Ghaemmagham V, Gruszecki A, Urban J, Frabnkel H, **Shafi** S. Changing Epidemiology of Trauma Deaths Leads to a Bimodal Distribution. *Proc (Bayl Univ Med Cent)* 23: 349-54, 2010.
- 60. **Shafi S**, Parks J, Ahn C, Gentilello LM, Nathens AB, Hemmila MR, Pasquale MD, Meredith JW, Cryer HG, Goble S, Neil M, Price C, Fildes JJ, and the Trauma Quality Improvement Group (TQIP). CMS Quality Indicators do not Correlate with Risk-Adjusted Mortality at Trauma Centers. *Journal of Trauma-Injury, Infection & Critical Care* 68:771-77, 2010.

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

61. Hemmila MR, Nathens AB, **Shafi S**, Calland JF, Clark DE, Cryer HG, Goble S, Hoeft CJ, Meredith JW, Neal ML, Pasquale MD, Pomphrey MD, Fildes JJ. The Trauma Quality Improvement Program: Pilot Study and Initial Demonstration of Feasibility. *Journal of Trauma-Injury, Infection & Critical Care* 68:253-262, 2010.

Presented at the annual meeting of the American Association for the Surgery of Trauma

62. **Shafi S**, Parks J, Ahn C, Gentilello LM, Nathens AB. More Operations, More Deaths? Relationship Between Operative Intervention Rates and Risk-adjusted Mortality at Trauma Centers. *Journal of Trauma-Injury, Infection & Critical Care* 69:70-77, 2010.

Presented at the Annual Meeting of the American Association for the Surgery of Trauma

- 63. **Shafi S**, Ahn C, Parks J, Nathens AB, Cryer HM, Gentilello LM, Hemmila M, Fildes JJ. Quality of Care within a Trauma Center is not Altered by Injury Type. *Journal of Trauma-Injury, Infection & Critical Care* 68: 716-720, 2010.
- 64. Gunst M, O'Keeffe T, Hollett L, Hamill M, Gentilello LM, Frankel H, **Shafi S**. Trauma Operative Skills in the era of Non-operative Management: The Trauma Exposure Course (TEC). *Journal of Trauma-Injury, Infection & Critical Care 67: 1091-6, 2009*.

Presented at the annual scientific meeting of the Eastern Association for the Surgery of Trauma

- 65. **Shafi S**, Nathens AB, Cryer HG, Hemmila MR, Pasquale MD, Clark DE, Neal M, Goble, Meredith JW, Fildes JJ. TQIP the Trauma Quality Improvement Program of the American College of Surgeons Committee on Trauma. *Journal of the American College of Surgeons* 209:521-530, 2009.
- 66. Parks J, Gentilello LM, **Shafi S**. Financial Triage in Transfer of Trauma Patients: A Myth or a Reality? *American Journal of Surgery 198:e35-38, 2009*.
- 67. O'Keeffe T, **Shafi S**, Sperry JL, Gentilello LM. The Implications of Alcohol Intoxication and the Uniform Policy Provision Law on Trauma Centers: An NTDB Analysis of Minimally Injured Patients. *Journal of Trauma-Injury, Infection & Critical Care* 66:495-98, 2009.

Presented at the annual meeting of the Association for Academic Surgery

68. **Shafi S**, Stewart R, Nathens AB, Friese RF, Frankel H, Gentilello LM. Significant Variations in Mortality Occur at Similarly Designated Trauma Centers. *Archives of Surgery 144:64-68, 2009*.

Presented at the annual meeting of the Western Surgical Association.

69. Bruns B, Gentilello LM, Elliot A, **Shafi S**. Prehospital Hypotension Redefined. *Journal of Trauma-Injury, Infection & Critical Care 65:1217-21, 2008.*

Presented at the annual meeting of the *Trauma Association of Canada*

70. Parks J, Klein J, Frankel H, Friese R, **Shafi S**. Dissecting Delays in Trauma Care using Corporate Six Sigma Methodology. *Journal of Trauma: Injury, Infection and Critical Care* 65:1098-1104, 2008.

Presented at the annual scientific meeting of the Eastern Association for the Surgery of Trauma

71. Nathens AB, Xiong W, **Shafi** S. Ranking of Trauma Center Performance: The Bare Essentials. *Journal of Trauma: Injury, Infection and Critical Care 65: 628-35, 2008.*

Presented at the annual meeting of the American Association for the Surgery of Trauma

72. **Shafi S**, Parks J, Gentilello LM. Cost Benefits of Reduction in Motor Vehicle Injuries with a Nationwide Speed Limit 65 mph or under. *Journal of Trauma-Injury, Infection & Critical Care 65:1122-25, 2008.*

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma

73. **Shafi S**, Gentilello LM. Ethnic Disparities in Initial Management of Trauma Patients in a Nationwide Sample of Emergency Department Visits. *Archives of Surgery 143:1057-61, 2008.*

Presented at the annual meeting of the Society of University Surgeons

74. **Shafi S**, Nathens AB, Parks J, Cryer HM, Fildes JJ, Gentilello LM. Trauma Quality Improvement Using Risk-Adjusted Outcomes. *Journal of Trauma: Injury, Infection and Critical Care 64: 599-606, 2008.*

Presented at the annual meeting of the American Association for the Surgery of Trauma

75. **Shafi S**, Friese R, Gentilello L. Moving Beyond Personnel and Process: A Case for Incorporating Outcome Measures in Trauma Center Designation Process. *Archives of Surgery 143: 115-19, 2008.*

Presented at annual meeting of the Society of University Surgeons.

76. **Shafi S**, Diaz-Arrastia, Madden C, Gentilello L. Intracranial Pressure Monitoring in Brain-injured Patients is Associated with Worsening of Survival. *Journal of Trauma-Injury Infection & Critical Care 64: 335-340, 2008.*

Presented at the annual meeting of the American Association for the Surgery of Trauma.

77. Miller B, **Shafi S**, Thal E. Damage Control in Complex Penetrating Tracheal Injury using a Silicon T-tube. *Journal of Trauma-Injury Infection & Critical Care 64: E18 – E20, 2008.*

78. **Shafi S**, de la Plata CM, Diaz-Arrastia R, Shipman K, Carlile M, Frankel H, Parks J, Gentilello L. Racial Disparities in Long-term Functional Outcomes after Traumatic Brain Injury. *Journal of Trauma-Injury Infection & Critical Care 63: 1263-1270, 2007.*

Presented at the annual meeting of the American Association for the Surgery of Trauma

- 79. Marquez de la Plata C, Hewlitt M, de Oliveira A, Hudak A, Harper C, **Shafi S**, Diaz-Arrastia R. Ethnic Differences in Rehabilitation Placement and Outcome after TBI. *J Head Trauma Rehab* 22:113-121, 2007.
- 80. **Shafi S**, Elliott A, Gentilello L. A Nationwide Speed Limit 65 mph or less Will Save Thousands of Lives. *American Journal of Surgery 193:719-22*, 2007.

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma.

- 81. Foreman BP, Caesar RR, Parks J, Madden C, Gentilello LM, **Shafi S**, Carlile MC, Harper CR, Diaz-Arrastia R. Usefulness of the Abbreviated Injury Score and the Injury Severity Score in comparison to the Glasgow Coma Scale in predicting outcome after Traumatic Brain Injury. *Journal of Trauma-Injury Infection & Critical Care 62:946-950, 2007.*
- 82. Staudenmayer KL, Diaz-Arrastia R, de Oliveira A, Gentilello LM, **Shafi S**. Ethnic Disparities in Longterm Functional Outcomes After Traumatic Brain Injuries. *Journal of Trauma-Injury Infection & Critical Care 63: 1364-1369*, 2007.

Presented at the annual meeting of the Eastern Association for the Surgery

83. Gunst MA, Sperry J, Ghaemmaghammi V, Gunst RF, Friese RS, Frankel HL, Gentilello LM, **Shafi S.** Increased Risk of Death Associated with Hypotension is not Altered by the Presence of Brain Injury in Pediatric Trauma Patients. *American Journal of Surgery 194: 741-745, 2007.*

Presented at the annual meeting of the Southwestern Surgical Congress

84. Ghaemmaghami V, Sperry J, Gunst M, Friese R, Starr A, Frankel H, Gentilello LM, **Shafi S.** Effects of Early Use of External Pelvic Compression on Transfusion Requirements and Mortality in Pelvic Fractures. *American Journal of Surgery 194: 720-723, 2007.*

Presented at the annual meeting of the Southwestern Surgical Congress

85. Phelan H, **Shafi S**, Parks J, Maxson RT, Ahmad N, Murphy JT, Minei JP. Use of a Pediatric Cohort to Examine Gender and Sex Hormone Influences on Outcomes After Trauma. *Journal of Trauma-Injury Infection & Critical Care 63: 1127-1131, 2007*.

Presented at the annual meeting of the American Association for the Surgery of Trauma

86. Bruns B, Lindsey M, Rowe K, Brown S, Minei JP, Gentilello L, **Shafi S**. Hemoglobin Drops Within Minutes of Injuries and Predicts Need for an Intervention to Stop Hemorrhage. *Journal of Trauma-Injury Infection & Critical Care 63:312-315*, 2007.

Presented at the annual meeting of the American Association for the Surgery of Trauma

87. Friese R, **Shafi S**, Malekzadeh S, Starr A, Gentilello L. Abdominal Ultrasound (FAST) is an Unreliable Modality for the Detection of Hemoperitoneum in Patients with Pelvic Fracture. *Journal of Trauma-Injury Infection & Critical Care 63:97-102, 2007.*

Presented at the annual meeting of the Eastern Association for the Surgery of Trauma.

88. **Shafi S**, de la Plata CM, Diaz-Arrastia R, Bransky A, Frankel H, Elliott AC, Parks J, Gentilello LM. Ethnic Disparities Exit in Trauma Care. *Journal of Trauma-Injury Infection & Critical Care 63:1138-42*, 2007.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

89. Friese R, Jennings A, Dineen S, Pruitt J, **Shafi S,** Gentilello L. Serum B-type Natriuretic Peptide: A Marker of Fluid Resuscitation after Injury? *Journal of Trauma-Injury, Infection & Critical Care* 62:1346-51, 2007.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

90. Stuke L, Diaz-Arrastia R, Gentilello L. **Shafi S.** Effect of Alcohol on Glasgow Coma Scale in Head Injured Patients. *Annals of Surgery 245:651-655*, 2007.

Presented at the annual meeting of the Southwestern Surgical Congress.

91. Sperry J, Gentilello L, Diaz-Arrastia R, **Shafi S**. Waiting for the Patient to "Sober up": Effect of Alcohol Intoxication on Glasgow Coma Scale in Brain Injured Patients. *Journal of Trauma-Injury Infection & Critical Care 61:1305-1311*, 2006.

Presented at the annual meeting of the Western Trauma Association

92. Sperry JL, Casey BM, McIntire DD, Minei JP, Gentilello L, **Shafi S**. Long Term Fetal Outcomes in Pregnant Trauma Patients. *American Journal of Surgery* 192:715-721, 2006.

Presented at the annual meeting of the *Southwestern Surgical Congress*

93. Parks J, Elliott A, Gentilello L, **Shafi S**. Systemic Hypotension is a Late Marker of Shock After Trauma – A Validation Study of ATLS Principles in a Large National Sample. *American Journal of Surgery* 192:727-31, 2006.

Presented at the annual meeting of the Southwestern Surgical Congress.

94. **Shafi S**, Nathens AB, Elliott AC, Gentilello L. Effect of Trauma Systems on Motor Vehicle Occupant Mortality: A Comparison Between States With and Without a Formal System. *Journal of Trauma-Injury Infection & Critical Care 61:1374-78*, 2006.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

95. Eastridge BJ, **Shafi S**, Minei JP, Culica D, McConnell C, Gentilello L. Economic Impact of Motorcycle Helmets: From Impact to Discharge. *Journal of Trauma-Injury Infection & Critical Care*. 60:978-984, 2006.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

96. Friese R, **Shafi S**, Elliott A, Gentilello L. Pulmonary Artery Catheter Use is Associated with Reduced Mortality in Severely Injured Patients: A National Trauma Data Bank Analysis of 53,312 patients. *Critical Care Medicine*. 34:1597-1601, 2006.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

97. **Shafi S**, Gentilello L. Hypotension Does Not Increase Mortality in Brain Injured Patients More Than It Does in the Non-Brain Injured Patients. *Journal of Trauma-Injury Infection & Critical Care*. 59:830-835, 2005.

Presented at the annual meeting of the *Eastern Association for the Surgery of Trauma*.

98. **Shafi S,** Gentilello L. Is Hypothermia Simply a Marker of Shock and Injury Severity or an Independent Risk Factor for Mortality? An Analysis of a Large National Trauma Registry (NTDB). *Journal of Trauma-Injury Infection & Critical Care*. 59:1081-1085, 2005.

Presented at the annual meeting of the *Western Trauma Association*.

99. **Shafi S,** Gentilello, L. Prehospital Endotracheal Intubation and Positive Pressure Ventilation is Associated with Hypotension and Decreased Survival in Hypovolemic Trauma Patients: An Analysis of the National Trauma Data Bank. *Journal of Trauma-Injury Infection & Critical Care*. 59:1140-1147, 2005.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

- 100. **Shafi S**, Kauder DR. Fluid Resuscitation and Blood Replacement in Patients with Polytrauma. *Clinical Orthopaedics*. 422:37-42, 2004.
- 101. **Shafi S**, Gilbert JC, Irish MS, Glick PL, Caty MG, Azizkhan RG. Follow-up Imaging Studies in Children with Splenic Injuries. *Clinical Pediatrics*. 38:273-7, 1999.
- 102. **Shafi S**, Gilbert JC. Minor Pediatric Injuries. *Pediatric Clinics of North America*. 45:831-851, 1998.
- 103. **Shafi S,** Gilbert JC, Loghmanee F. Allen JE, Caty MG, Click PL, Carden S, Azizkhan RG. Impact of Bicycle Safety Helmet Legislation on Children Admitted to a Regional Pediatric Trauma Center. *Journal of Pediatric Surgery*. 33:317-321, 1998.

Presented at the annual meeting of the American Pediatric Surgical Association.

104. **Shafi S,** Gilbert JC, Carden S. Allen JE, Glick PL, Caty MG, Azizkhan RG. Risk of Hemorrhage and Appropriate Use of Blood Transfusions in Pediatric Blunt Splenic Injuries. *Journal of Trauma*. 42:1029-1032, 1997.

Presented at the annual meeting of the American Association for the Surgery of Trauma.

105. Siegel JH, **Shafi S,** Goodarzi S, Dischinger P. A Quantitative Method for Cost Reimbursement and Length of Stay Quality Assurance in Multiple Trauma Patients. *Journal of Trauma*. 36:928-937, 1994.

Presented at the Second World Conference on Injury Control by CDC/WHO.

ABSTRACTS

- 1. Ogola G, Haider A, **Shafi S**. Hospitals with higher volume of Emergency General Surgery patients achieve lower mortality rates: A case for establishing designated centers for Emergency General Surgery. Accepted for presentation (oral) at the 75th Annual Meeting of the American Association for the Surgery of Trauma, Waikoloa, HI, September 14-17, 2016.
- 2. **Shafi S**, Priest EL, Crandall ML, Klekar C, et. al. Multicenter Validation of the American Association for the Surgery of Trauma for Grading Acute Colonic Diverticulitis and its Use for Emergency General Surgery Quality Improvement Program (EQIP). Presented (oral) at the 74th Annual Meeting of the American Association for the Surgery of Trauma, Las Vegas, NV, September 9-12, 2015.
- 3. Tominaga GT, **Shafi S**, Schuster K, Savage S, Ross S, Miller P, Muskat P, Mowery N, Cohen M, Ciesla D, Inaba K, Brown C, Agarwal S, Aboutans M, Crandall M. Data Dictionaries to measure disease severity for 16 Emergency General Surgery Conditions. Presented (poster) at the 74th Annual Meeting of the American Association for the Surgery of Trauma, Las Vegas, NV, September 9-12, 2015.
- 4. Velopulos CG, Hiu X, Schneider EB, **Shafi S**, Ciesla DJ, Gunter OL, Selvarajah S, Haut ER, Efron DT, Haider AH. All our EGS in one basket? Examining the Cost of Emergency General Surgery by Payer Status. Presented (poster) at the 73rd Annual Meeting of the American Association for the Surgery of Trauma, Philadelphia, PA September 10-13, 2014.
- 5. Sobrino J, **Shafi** S. TQIP Rating Using In-Hospital vs. 30-day Mortality. Presented (poster) at the 72ndAnnual Meeting of the American Association for the Surgery of Trauma, San Francisco, CA, September 18-21, 2013.
- Dahdah MN, Barisa MT, Schmidt K, Barnes SA, Dubiel R, Dunklin C, Harper C, Callender L, Wilson W, Ramon-Diaz A, Shafi S. Comparative Effectiveness of Traumatic Brain Injury Rehabilitation:
 Differential Outcomes Across TBI Model Systems Centers. Santa Clara Valley Medical Center Brain Injury Conference, February 28th March 3rd, 2013, Santa Clara, CA.
- 7. Shafi S, Barnes SA, Millar D, Sobrino J, Kudyakov R, Berryman C, Rayan N, Dubiel R, Coimbra R, Magnotti LJ, Vercruysse G, Scherer LJ, Jurkovich GJ, Nirula R. Suboptimal Compliance with Evidence-Based Guidelines Is Associated With Increased Mortality in Patients with Traumatic Brain Injuries. Presented (oral) at the 71st Annual Meeting of the American Association for the Surgery of Trauma, Kauai, HI, September 29- October 3, 2012.
- 8. Rayan N, Barnes S, Fleming N, Kudyakov R, Ballard D, Gentilello L, **Shafi S**. Barriers to Compliance with Evidence based Care in Trauma. Presented (oral) at the 70th Annual Meeting of the American Association for the Surgery of Trauma, Chicago, IL, September 14-18, 2011.
- 9. **Shafi** S, Ogola G, Rayan N, Kudyakov R, Barnes S, Fleming N, Ballard D. Insuring the Uninsured: Financial Impact of Health Care Reform Act of 2010 on Trauma Centers. Presented(oral) at the 41st Annual Meeting of the Western Trauma Association, Big Sky, MT, Feb 27 Mar 5, 2011.
- 10. **Shafi S**, Renfro L, Barnes S, Rayan N, Gentilello LM, Fleming N, Ballard D. Chronic Consequences of Acute Injuries: Persisent Worse Survival Three Years Later. Presented (oral) at the 24th Annual Meeting of the Eastern Association for the Surgery of Trauma, Naples, FL, January 25-29, 2011.

- 11. **Shafi S**, Rayan N, Barnes S, Fleming N, Gentilello LM, Ballard D. Moving from "Optimal Resources" to "Optimal Care" at Trauma Centers. Presented (oral) at the 69th Annual Meeting of the American Association for the Surgery of Trauma, Boston, MA, September 22-25, 2010.
- 12. Shafi S, Barnes S, Nicewander D, Ballard D, Nathens AB, Ingraham AM, Hemmila M, Goble S, Neal M, Pasquale M, Fildes JJ, Gentilello LM. Health Care Reform at Trauma Centers: Mortality, Complications, Length of Stay. Presented (poster) at the 23rd Annual Meeting of the Eastern Association for the Surgery of Trauma, Phoenix, AZ, January 19-23, 2010
- 13. Gomez D, Haas B, Hemmila M. Pasquale M, Goble S, Neal M, Mann VC, Meredith W, Cryer HG, **Shafi** S, Nathens AB. Hip can Lie: Impact of Excluding Isolated Hip Fractures on External Benchmarking of Trauma Center Performance. Presented (poster) at the 23rd Annual Meeting of the Eastern Association for the Surgery of Trauma, Phoenix, AZ, January 19-23, 2010.
- 14. **Shafi S**, Parks J, Ahn C, Gentilello LM, Nathens AB. More Operations, More Deaths? Relationship Between Operative Intervention Rates and Risk-adjusted Mortality at Trauma Centers. Presented (oral) at the 68th Annual Meeting of the American Association for the Surgery of Trauma, Pittsburg, PA, October 1-3, 2009.
- 15. Hemmila MR, Nathens AB, **Shafi S**, Calland JF, Clark DE, Cryer HG, Goble S, Hoeft CJ, Meredith JW, Neal ML, Pasquale MD, Pomphrey MD, Fildes JJ. The Trauma Quality Improvement Proogram: Pilot Study and Initial Demonstration of Feasibility. Presented (oral) at the 68th Annual Meeting of the American Association for the Surgery of Trauma, Pittsburg, PA, October 1-3, 2009.
- 16. Ingraham AM, Xiong W, Hemmila MR, Shafi S, Goble S, Neal ML, Nathens AB. The Attributable Mortality and Length of Stay of Trauma-related Complications: A Matched Cohort Study. Presented (oral) at the 68th Annual Meeting of the American Association for the Surgery of Trauma, Pittsburg, PA, October 1-3, 2009.
- 17. Nathens AB, Neal M, Goble S, Fildes J, Meredith W, Cryer H, **Shafi S**, Hemmila M. Benchmarking U.S. Trauma Care. Presented (poster) at the International Surgical Week 2009, International Society of Surgery, Adelaide, Australia, September 6-10, 2009.
- 18. Matushima K, Eastman A, **Shafi S**, Burris A, Tyner T, Frankel H. Transfusions Increase Infections without Affecting Neurologic Outcome in Spontaneous Sub Arachnoid Hemorrhage (SAH). Presented (poster) at the 29th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 24-27, 2009. *Critical Care 13(suppl.1):100, 2009*.
- 19. O'Keeffe T, **Shafi S**, Gentilello LM. Alcohol Use Increases Diagnostic Testing, Procedure Costs, and the Risk of Hospital Admissions in Injured, Emergency Department Patients: A Population-based Study from the United States. Presented (oral) at the 2009 Annual Scientific Meeting of the Trauma Association of Canada, Auckland, New Zealand, March 4-7, 2009.
- 20. Cannada LK, Pan P, Casey BM, McIntire DD, **Shafi S**, Leven KJ. Outcomes in Pregnant Trauma Patients with Orthopedic Injuries. Presented (oral) at the annual meeting of the American Association of Orthopedic Surgeons, Las Vegas, NV, February 25-28, 2009.
- 21. O'Keeffe T, Friese RS, **Shafi S**. Vaccination for Post-Traumatic Splenectomy: Are we doing it right? Presented (oral) at the 4th Annual Academic Surgical Congress of the American Association for Academic Surgery and the Society for University Surgeons, Fort Myers, FL, February 6–9, 2009. *Journal of Surgical Research 151:300, 2009*.

- 22. **Shafi S**, Parks J, Ahn C, Gentilello LM, Nathens AB, Hemmila MR, Pasquale MD, Meredith JW, Cryer HG, Goble S, Neil M, Price C, Fildes JJ, and the Trauma Quality Improvement Group (TQIP). CMS Quality Indicators do not Correlate with Risk-Adjusted Mortality at Trauma Centers. Presented (oral) at the 22nd Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 13-17, 2009.
- 23. Brakenridge SC, Sheng J, Toomay SM, Haley RW, Gentilello LM, **Shafi S**. Predictors of Early Pulmonary Embolism after Trauma: Who Needs Prophylaxis and When. Presented (oral) at the 22nd Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 13-17, 2009.
- 24. Gunst M, O'Keeffe T, Hollett L, Hamill M, Gentilello LM, Frankel H, **Shafi S**. Trauma Operative Skills in the era of Non-operative Management: The Trauma Exposure Course (TEC). Presented (poster) at the 22nd Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 13-17, 2009.
- 25. Nathens AB, Xiong, Goble S, Neal M, **Shafi S**, Hemmila MR, Fildes JJ, Fantus R, Cryer HG. External Benchmarking of Trauma Center Performance: Implications of Missing Data. Presented (oral) at the 22nd Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 13-17, 2009.
- 26. Gunst M, Vanek S, Gunst R, **Shafi S**, Frankel H. Peripherally Inserted Central Catheters (PICC) May Lower the Incidence of Catheter-related Blood Stream Infections (CR-BSI) in Surgical Intensive Care Unit Patients. Presented (poster) at the 28th Annual Meeting of the Surgical Infection Society, Hilton Head, South Carolina, May 7-9, 2008.
- 27. Bruns B, Gentilello LM, **Shafi S**. Prehospital Hypotension Redefined. Presented (oral) at the 2008 Annual Scientific Meeting of the Trauma Association of Canada, Whistler, BC, Canada, April 3-5, 2008. *Journal of Trauma-Injury Infection & Critical Care* 64:554, 2008.
- 28. O'Keeffe T, Thekkumel J, Lemaire S, **Shafi S**, Friese R, Josephs S. A Policy of Dedicated Follow-up Improves the Rate of Retrieval of IVC Filters in Trauma Patients. Presented (oral) at the 2008 Annual Scientific Meeting of the Trauma Association of Canada, Whistler, BC, Canada, April 3-5, 2008. *Journal of Trauma-Injury Infection & Critical Care* 64:556, 2008.
- 29. Nirula R, **Shafi S**, O'Keeffe T, Gentilello LM. Intra-cranial Pressure Monitoring in Traumatic Brain Injury is Associated with an Increase in Mortality. Presented (poster) at the 37th Congress of the Society for Critical Care Medicine, Honolulu, HI, January 31st February 6, *Critical Care Medicine 35(Suppl): A70*, 2007.
- 30. Stuke LE, Nirula R, Gentilello LM, **Shafi S**. Protection against Head Injuries Should Not be Optional: A Case for Mandatory Installation of Side Curtain Airbags. Presented (oral) at the 3rd Annual Academic Surgical Congress of the Society of University Surgeons and the Association for Academic Surgery, Huntington Beach, CA, Feb 13-15, 2008, *Journal of Surgical Research 144:258, 2008*.
- 31. O'Keeffe T, **Shafi S**, Diaz-Arrastia R, Gentilello LM. Ethnic Disparities Exist in the Acute Treatment of Traumatic Brain Injuries. Presented (oral) at the 3rd Annual Academic Surgical Congress of the Society of University Surgeons and the Association for Academic Surgery, Huntington Beach, CA, Feb 13-15, 2008, *Journal of Surgical Research 144:256, 2008*.

- 32. Parks J, Klein J, Frankel H, Friese R, **Shafi S**. Dissecting Delays in Trauma Care using Corporate Six Sigma Methodology. Presented (oral) at the 21st Annual Scientific Meeting of the Eastern Association for the Surgery of Trauma, Amelia Island, FL, Jan 15-19, 2008. *Journal of Trauma: Injury, Infection and Critical Care 63:1428, 2007*.
- 33. Sathy AK, Starr AJ, Elliott A, Smith WR, Parekh A, Agudelo J, **Shafi S.** The Effect of Pelvic Fracture on Mortality After Trauma: An Analysis of 63,000 patients. Presented (poster) at the 75tth Annual Meeting of the American Association of Orthopaedic Surgeons, San Francisco, CA, Mar 5-9, 2008.
- 34. **Shafi S**, Parks J, Nathens AB, Gentilello LM. Trauma Quality Improvement Using Risk-Adjusted Outcomes. Presented (oral) at the 66th Annual Meeting of the American Association for the Surgery of Trauma, Las Vegas, NV, September 27-29, 2007. *Journal of Trauma: Injury, Infection and Critical Care* 63:469, 2007.
- 35. Nathens AB, **Shafi** S. Ranking of Trauma Center Performance: The Bare Essentials. Presented (oral) at the 66th Annual Meeting of the American Association for the Surgery of Trauma, Las Vegas, NV, September 27-29, 2007. *Journal of Trauma: Injury, Infection and Critical Care 63:483, 2007.*
- 36. Parks J, Klein J, **Shafi S.** Lean Six Sigma Identifies Opportunities to Minimize Emergency Department Overcrowding. Presented (poster) at the 32nd Annual Educational Conference of the National Association for Healthcare Quality, Boston, MA, September 9-12, 2007.
- 37. Ghaemmaghami V, Frankel H, Gentilello LM, **Shafi S**. Effects of Early Use of External Pelvic Compression on Transfusion Requirements and Mortality in Pelvic Fractures. Presented (oral) at the 59th Annual Meeting of the Southwestern Surgical Congress, Rancho Mirage, CA, March 25-28, 2007
- 38. Gunst M, Frankel H, Gentilello LM, **Shafi S**. Increased Risk of Death Associated with Hypotension in not Altered by the Presence of Brain Injury in Pediatric Trauma Patients. Presented (oral) at the 59th Annual Meeting of the Southwestern Surgical Congress, Rancho Mirage, CA, March 25-28, 2007.
- 39. Parks J, Diaz-Arrastia R, Gentilello LM, **Shafi S**. Post-injury Employment as a Surrogate for Functional Outcomes: A New Quality Indicator. Presented (oral) at the 37th Annual Meeting of the Western Trauma Association, Steamboat Springs, CO, Feb. 25-Mar.2, 2007. *Journal of Trauma* 62:267, 2007.
- 40. O'Keeffe T, **Shafi S**, Sperry JL, Gentilello LM. The Implications of Alcohol Intoxication and the Uniform Policy Provision Law on Trauma Centers. Presented (poster) at the Second Annual Academic Surgical Congress of the Association for Academic Surgery, Phoenix, AZ, February 6-9, 2007. *Journal of Surgical Research* 137:283, 2007.
- 41. **Shafi S**, Gentilello LM. Ethnic Disparities in Initial Management of Trauma Patients in a Nationwide Sample of Emergency Department Visits. Presented (poster) at the Second Annual Academic Surgical Congress of the Society of University Surgeons, Phoenix, AZ, February 6-9, 2007. *Journal of Surgical Research* 137:285, 2007.
- 42. Friese RF, Phelan H, Sperry J, **Shafi S**, Gentilello LM. The Use of Leukoreduced Red Cell Products is Associated with Fewer Infectious Complications in Trauma Patients. Presented (oral) at the 20th Annual Meeting of the Eastern Association for the Surgery of Trauma, Fort Myers, FL, January 16-20, 2007.
- 43. Staudenmayer KL, Diaz-Arrastia R, de Oliveira A, Gentilello LM, **Shafi S**. Ethnic Disparities in Longterm Functional Outcomes After Traumatic Brain Injuries. Presented (poster) at the 20th Annual Meeting of the Eastern Association for the Surgery of Trauma, Fort Myers, FL, January 16-20, 2007.

- 44. **Shafi S**, Parks J, Gentilello LM. Cost Benefits of Reduction in Motor Vehicle Injuries with a Nationwide Speed Limit 65 mph or under. Presented (poster) at the 20th Annual Meeting of the Eastern Association for the Surgery of Trauma, Fort Myers, FL, January 16-20, 2007.
- 45. **Shafi S**, Stewart R, Nathens AB, Friese RF, Frankel H, Gentilello LM. Significant Variations in Mortality Occur at Similarly Designated Trauma Centers. Presented (oral) at the 114th Annual Meeting of the Western Surgical Association, Los Cabos, Mexico, November 12-15, 2006.
- 46. **Shafi S**, Shipman K, Diaz-Arrastia R, Frankel H, Gentilello L. Racial Disparities in Long-term Functional Outcomes after TBI. Presented (oral) at the 65th Annual Meeting of the American Association for the Surgery of Trauma, New Orleans, LA, September 28-20, 2006. *Journal of Trauma-Injury, Infection & Critical Care 61:493*, 2006.
- 47. **Shafi S**, Bransky A, Elliott AC, Frankel H, Diaz-Arrastia, Gentilello L. Ethnic Disparities Exist in Trauma Care. Presented (poster) at the 65th Annual Meeting of the American Association for the Surgery of Trauma, New Orleans, LA, September 28-20, 2006.
- 48. **Shafi S**, Diaz-Arrastia, Madden C, Gentilello L. Intracranial Pressure Monitoring in Brain-injured Patients is Associated with Worsening of Survival. Presented (poster) at the 65th Annual Meeting of the American Association for the Surgery of Trauma, New Orleans, LA, September 28-20, 2006.
- 49. Bruns B, Lindsey M, Rowe K, Brown S, Minei JP, Gentilello L, **Shafi S**. Hemoglobin Drops Within Minutes of Injuries and Predicts Need for an Intervention to Stop Hemorrhage. Presented (poster) at the 65th Annual Meeting of the American Association for the Surgery of Trauma, New Orleans, LA, September 28-20, 2006.
- 50. Friese R, Jennings A, Dineen S, Pruitt J, Shafi S, Gentilello L. Serum B-type Natriuretic Peptide: A Marker of Fluid Resuscitation after Injury? Presented (oral) at the 65th Annual Meeting of the American Association for the Surgery of Trauma, New Orleans, LA, September 28-20, 2006. *Journal of Trauma-Injury, Infection & Critical Care 61:509*, 2006.
- 51. Sperry JL, Casey BM, McIntire DD, Minei JP, Gentilello L, **Shafi S**. Long Term Fetal Outcomes in Pregnant Trauma Patients. Presented (oral) at the 58th Annual Meeting of the Southwestern Surgical Congress, Kauai, HI, April 3-7, 2006.
- 52. Parks J, Elliott A, Gentilello L, **Shafi S**. Systemic Hypotension is a Late Marker of Shock After Trauma A Validation Study of ATLS Principles in a Large National Sample. Presented (oral) at the 58th Annual Meeting of the Southwestern Surgical Congress, Kauai, HI, April 3-7, 2006.
- 53. Stuke L, Elliott A, Thal E, Gentilello L. **Shafi S.** Effect of Alcohol Intoxication on Accuracy of Glasgow Coma Scale in Traumatic Brain Injuries. Presented (poster) at the 58th Annual Meeting of the Southwestern Surgical Congress, Kauai, HI, April 3-7, 2006.
- 54. Sperry J, Gentilello L, Diaz-Arrastia R, **Shafi S**. Waiting for the Patient to "Sober up": Effect of Alcohol Intoxication on Glasgow Coma Scale in Brain Injured Patients. Presented (oral) at the 36th Annual Meeting of the Western Trauma Association, Big Sky, MO, February 26th-March 3rd, 2006. *Journal of Trauma-Injury, Infection & Critical Care 60:252*, 2006.
- 55. **Shafi S**, Friese R, Gentilello L. Moving Beyond Personnel and Process: A Case for Incorporating Outcome Measures in Trauma Center Designation Process. Presented (poster) at the 1st Annual Academic

- Surgical Conference of the Society of University Surgeons, San Diego, CA, February 7-11, 2006. *Journal of Surgical Research* 130:296, 2006.
- 56. **Shafi S**, Elliott A, Gentilello L. A Nationwide Speed Limit 65 mph or less Will Save Thousands of Lives. Presented (oral) at the 19th Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 10-14, 2006. *Journal of Trauma-Injury, Infection & Critical Care* 59:1543, 2006.
- 57. Friese R, **Shafi S**, Malekzadeh S, Starr A, Gentilello L. Abdominal Ultrasound (FAST) is an Unreliable Modality for the Evaluation of Hemoperitoneum in Patients with Pelvic Fracture After Blunt Trauma. Presented (poster) at the 19th Annual Meeting of the Eastern Association for the Surgery of Trauma, Orlando, FL, January 10-14, 2006.
- 58. **Shafi S**, Nathens AB, Gentilello L. Effect of Trauma Systems on Motor Vehicle Occupant Mortality: A Comparison Between States With and Without a Formal System. Presented (poster) at the Annual Association for the Surgery of Trauma, Atlanta, GA, September 20-25, 2005.
- 59. **Shafi S,** Gentilello L. Is Hypothermia Simply a Marker of Shock and Injury Severity or an Independent Risk Factor for Mortality? An Analysis of a Large National Trauma Registry (NTDB). Presented (oral) at the Annual Meeting of the Western Trauma Association, Jackson Hole, WY, March 2005. *Journal of Trauma-Injury Infection & Critical Care.* 58:221, 2005.
- 60. **Shafi S,** Gentilello L. Hypotension Does Not Increase Mortality in Brain Injured Patients More Than It Does in the Non-Brain Injured Patients. Presented (oral) at the Annual Meeting of the Eastern Association for the Surgery of Trauma, January 2005 Ft. Lauderdale, FL. *Journal of Trauma-Injury Infection & Critical Care*. 57:1381, 2004.
- 61. Eastridge B, **Shafi S**, Minei J, Elliott A, Gentilello L. Economic Impact of Motorcycle Helmets: From Impact to Discharge. Presented (oral) at the Annual meeting of the American Association for the Surgery of Trauma, September 2004, Maui, HI. *Journal of Trauma-Injury Infection & Critical Care 57:457*, 2004.
- 62. **Shafi S,** Gentilello L. Prehospital Endotracheal Intubation and Positive Pressure Ventilation is Associated with Hypotension and Decreased Survival in Hypovolemic Trauma Patients: An Analysis of the National Trauma Data Bank. Presented (oral) at the Annual meeting of the American Association for the Surgery of Trauma, Maui, HI, September 2004. *Journal of Trauma-Injury Infection & Critical Care 57:448, 2004.*
- 63. Friese RS, **Shafi S**, Gentilello L. Pulmonary Artery Catheter is Associated with Reduced Mortality in Severely Injured Patients: A National Trauma Data Bank Analysis of 53, 312 Patients. Presented (poster) at the Annual meeting of the American Association for the Surgery of Trauma, Maui, HI, September 2004.
- 64. Minei JP, **Shafi S**, Gentilello L. Gender Differences in Survival May be Due to a Lower Risk of Complications in Females: An Analysis of the National Trauma Data Bank. Presented (poster) at the Annual meeting of the American Association for the Surgery of Trauma, Maui, HI, September 2004.
- 65. Phelan H, **Shafi S**, Parks J, Maxson RT, Ahmad N, Murphy JT, Minei JP. Use of a Pediatric Cohort to Examine Gender and Sex Hormone Influences on Outcomes After Trauma. Presented (poster) at the Annual meeting of the American Association for the Surgery of Trauma, Maui, HI, September 2004.
- 66. **Shafi S**, Gilbert JC, Loghmanee F. Allen JE, Caty MG, Click PL, Carden S, Azizkhan RG. Impact of Bicycle Safety Helmet Legislation on Children Admitted to a Regional Pediatric Trauma Center.

- Presented (oral) at the Annual Meeting of the American Pediatric Surgical Association, Naples, FL, May, 1997.
- 67. **Shafi S,** Gilbert JC, Carden S. Allen JE, Glick PL, Caty MG, Azizkhan RG. Changes in Hematocrit Associated with Blunt, Isolated Splenic Injury in Children. Presented (poster) at the Annual Meeting of the American Association for the Surgery of Trauma, Houston, TX, September 1996.
- 68. Siegel JH, **Shafi S**, Goodarzi S, Dischinger P. A Quantitative Method for Cost Reimbursement and Length of Stay Quality Assurance in Multiple Trauma Patients. Presented (poster) at the Second World Conference on Injury Control of the World Health Organization and the Centers for Disease Control, Atlanta, GA, 1993.

EDITORIALS, CHAPTERS AND PARTICIPATION IN COMMITTEE REPORTS

- 1. Lang J, **Shafi S**. "Percutaneous Endoscopic Gastrostomy." In: *Bedside Procedures for the Intensivist*. Frankel HL, deBoisblanc DB eds. Springer, New York, NY, 2010.
- 2. **Shafi S,** Livingston DL, Brenner B. "Abdominal Wound Closure." In: *Tools of the Trade and Rules of the Road.* Deitch EA, eds, Lippincott-Raven, Philadelphia, PA, 1997.
- 3. **Shafi S,** Livingston DL. "Abdominal Exploration for Trauma." In: *Tools of the Trade and Rules of the Road.* Deitch EA, eds., Lippincott-Raven, Philadelphia, PA, 1997.
- 4. **Shafi S,** Mian UK, Faisal A. Study of the Implementation and Utilization of Standard Treatment Guidelines in the Primary Health Care Project, Government of Pakistan and United States Agency for International Development (USAID), Islamabad, Pakistan, 1990. Project evaluation report to USAID.
- 5. **Shafi S,** Nawaz AA. Evaluation of Rural Health Project, Christian Mission Hospital, Sialkot, Pakistan, 1987. Project evaluation report to the hospital board.

DR DAR SHAH, M.D.

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Education

University of Kansas Medical Center

-Fellow - Nephrology

Kansas City, Kansas (06/2008-06/2011)

University of Kansas Medical Center

-Resident - Internal Medicine

Kansas City, Kansas (6/2005 - 6/2008)

University of Oklahoma College of Medicine

-Doctor of Medicine

Oklahoma City, Oklahoma

(8/2001 - 5/2005)

University of Oklahoma

-B.S. –Biochemistry -Minor- Philosophy Graduated Magna Summa Cum Laude Norman, Oklahoma (8/1997- 6/2001)

University of Aberdeen

Aberdeen, Scotland

(1998-1999)

Oklahoma School of Science and Mathematics (O.S.S.M.)

(1995-1997)

Board Certifications

American Board of Nephrology (2012)

American Board of Internal Medicine (2008)

State Medical Board Licenses

Texas

Kansas

Missouri

Awards Received

Top Doc - 360 Magazine (2017)

Top Doc- Fort Worth Magazine (2017 and 2014)

First place Award at Fellow & Resident Research Day - University of Kansas (Spring 2009)

Frankel Scholarship - Mayo Clinic College of Medicine (Fall 2004)

Fred S. Clinton Scholarship- O.U. College of Medicine (2004-2005)

International Studies in Medicine Scholarship- O.U College of Medicine (2003-2004)

Scholarship for Disadvantaged Students- O.U College of Medicine (2003-2004)

Norman Paul Singer Scholarship - O.U College of Medicine (2003-2004)

Betty Ford Center Summer Institute for Medical Students- (Only medical student selected from the University of Oklahoma College of Medicine) (Summer 2002)

Phi Beta Kappa - (Initiated in 2001)

Dean's Honor Roll throughout matriculation - University of Oklahoma (1997-2001)

O.U. Scholar throughout matriculation - University of Oklahoma (1997-2001)

Goldwater Scholarship Finalist (2000)

Study Abroad Program - One of two students to matriculate at University of Aberdeen (1998-1999)

Research Experience

Investigating the effects of Lonidamine Derivatives on Cell Proliferation and Cyst Formation in Polycystic Kidney Disease - with Nephrology Division at the University of Kansas (2008-2010)

Toxicology Fellowship investigating the phenotypic characteristics of metastatic bladder cancer cells - with Dr Robert Hurst at University health Sciences Center (2000)

Investigating the effects of light emitting diodes (LEDS) on peroxidase activity and thus lignin deposition in plants at elevated carbon dioxide levels- with Deborah Bishop at National Aeronautics and Space Administration (N.A.S.A.) (1998)

Research on the effects of the catenin family of proteins on oocyte communication- with D1 Alyce DeMarais at University of Oklahoma (1997-1998)

Publications/ Presentations

Poster Presentation American Society of Nephrology Annual Meeting (2009 & 2010)

Resident and Fellow Day - University of Kansas (2009)

Medical Education Day- University of Kansas (2009)

"Blood and Thunder" Medical Journal (2005)

Amyloidosis: A Unique Presentation - ACP Regional Chapter Meeting (2006)

Work Experience

Lone Star Kidney Care, PLLC Physician/ CEO (8/1/2011 - Present)

Veterans Administration Medical Center ED Physician (09/2008-07/2011)

Kaplan Instructor for MCAT, DAT, and OAT (Summer 2002 & Spring 2003)

OSSM Only Student Faculty member at Residence hall (2002-2003)

MUDITA SHAH, M.D.

800 8TH AVE. SUITE #236 FORT WORTH, TX 76104 drshahallergyimmunology@gmail.com Office 817-810-9800 Cell 817-456-0879

Education

University of Kansas Medical Center Kansas City, Kansas -Fellow – Allergy/Immunology (7/2008 - 7/2010)

University of Kansas Medical Center Kansas City, Kansas -Resident – Internal Medicine (6/2005 - 6/2008)

University of Oklahoma College of Medicine Oklahoma City, Oklahoma

-Doctor of Medicine (8/2001 - 5/2005)

University of Oklahoma Norman, Oklahoma
-B.S. – Biochemistry (8/1997- 6/2001)

Board Certifications

American Board of Allergy/Immunology (2010)

American Board of Internal Medicine (2008)

State Medical Board Licenses

Texas State Board of Healing Arts (2009)

Kansas State Board of Healing Arts (2008)

Awards Received

Novartis Fellowship Grant Recipient (2008-2010)

American College of Allergy, Asthma, & Immunology Travel Grant recipient (2008, 2009)

Frankel Externship Scholarship – Mayo Clinic (2004)

International Studies in Medicine Scholarship – O.U. College of Medicine (2004)

Laurence Jones Scholarship – O.U. College of Medicine (2004)

National Merit Scholar (1997)

Oklahoma State Regents Scholar (1997)

Certificate of Recognition – Oklahoma Department of Education (1997)

Publications / Presentations

TEVA Speaker (2014-2015)

KDFW Channel 4 News Segment (04/17/2014)

Top Doc 2014 360 Magazine

Rocuronium Anaphylaxis- Evaluation and Management – Published in the Annals of Allergy and Immunology and presented at the ACAAI Meeting Miami (2010)

Cogan's Syndrome; A Discussion on Treatment – Published in the Annals of Allergy and Immunology and presented at the ACAAI Meeting Seattle (2009)

Professional Associations Memberships

American College of Allergy, Asthma, and Immunology

American Academy of Asthma, Allergy, and Immunology

Texas Medical Association

American College of Physicians Member (2005-2008)

Work Experience

Lone Star Allergy, Asthma, and Immunology, PLLC- Physician/ CEO (8/1/2011 - Present)

Veterans Administration Hospital, Kansas City, MO Contract Physician (9/2008-7/2011)

Kaplan Instructor for MCAT, DAT, and OAT (Summer 2002 & Spring 2003)

CURRICULUM VITAE

Spencer M. Smith, M.D.

3400 Overton Park West Fort Worth, TX 76109 dr.spencer.smith@gmail.com (682) 209-8485

EDUCATION

- College
 - Brigham Young University, Provo, UT
 B.S. Degree, Zoology Major, 1985
- Medical School
 - Duke University School of Medicine, Durham, NC M.D. Degree, 1990
- Research Sabbatical
 - ➤ Howard Hughes Medical Institute National Institutes of Health Research Scholar Program, Laboratory of Cell Biology, National Cancer Institute, Bethesda, MD, 1987 - 1989

POST GRADUATE TRAINING

- Diagnostic Radiology Residency
 - ➤ Mallinckrodt Institute of Radiology, Washington University in St. Louis, St. Louis, MO, 1990 1994
- Body Imaging Fellowship (MRI, CT and Ultrasound)
 - > Johns Hopkins Hospital, Baltimore, MD, 1994 1995

MEDICAL LICENSURE

• State of Texas, License J8134

BOARD CERTIFICATION

American Board of Radiology, Lifetime Certificate, 1994

EMPLOYMENT

- Radiology Associates of North Texas, Fort Worth, TX, 1995 2014
 - ➤ Education Committee Chair, 1998 2007
 - ➤ Bedford Imaging Center Medical Director, 1999 2013
 - > Cardiovascular CT Director, 2006 2012
 - ➤ Medical Peer Review Committee Chair, 2007 2013

PRESENT POSITION

 Adjunct Assistant Professor, Department of Medical Education, Texas College of Osteopathic Medicine (TCOM), Fort Worth, TX, 2015 - Present

PRESENT TEACHING AND MENTORING ACTIVITIES

- TCOM Faculty Advisor, Radiology Interest Group, 2016 Present
- TCOM Medical Student Instructor
 - Year One, 2015 Present
 - Imaging of normal anatomy and basic pathology for all organ systems
 - > Year Two, 2016 Present
 - Honors seminar on cardiothoracic imaging
 - Boards preparation radiology review lecture series
 - > Year Four, 2017 Present
 - Advanced Radiology (July) and General Radiology (January) elective clerkships preceptor

HONORS AND AWARDS

- College
 - Magna Cum Laude graduation honors
 - > Trustees Scholarship four-year, full-tuition academic award
 - ➤ National Institutes of Health Summer Program Special Achievement Award, for molecular genetics research
- Medical School
 - Alpha Omega Alpha Honor Medical Society, Duke Chapter
 - ➤ Howard Hughes Medical Institute NIH Research Scholar

PROFESSIONAL SOCIETY MEMBERSHIPS

- American College of Radiology
- Alliance of Medical Student Educators in Radiology
- American Roentgen Ray Society
- Association of University Radiologists
- Radiological Society of North America
- Tarrant County Medical Society
- Texas Medical Association
- Texas Radiological Society

LECTURES AND PRESENTATIONS

- Glycosylation of Procathepsin L Is Not Required for Proteolytic Activity, Joint Meeting of The American Society for Cell Biology, San Francisco, CA, January 29, 1989
- *Orbital CT*, Mallinckrodt Institute of Radiology, St. Louis, MO, February 20, 1992
- Adnexal Ultrasonography, Mallinckrodt Institute of Radiology, St. Louis, MO, March 10, 1993

Spencer M. Smith, M.D. Page 3

- Appropriate Radiologic Studies in Establishing Diagnosis and Accurate Staging of Lung Cancer, Advances in Lung Cancer Treatment symposium, Fort Worth, TX, August 20, 1998
- Introduction to Diagnostic Radiology, Medical and Dental Professional Association, University of Texas at Arlington, Arlington, TX, November 3, 2000
- Ordering Advanced Imaging Studies, Texas Society of Medical Assistants, Dallas, TX, July 26, 2003
- Cardiovascular CT Angiography
 - ➤ Plaza Medical Center Noon Conference, Fort Worth, TX, June 30, 2006
 - ➤ North Hills Hospital Medical Staff Meeting, North Richland Hills, TX, August 22, 2006
 - ➤ Tarrant County Academy of Family Medicine Meeting, Fort Worth, TX, November 18, 2006
 - ➤ American Heart Association Luncheon, Fort Worth, TX, February 22, 2007
 - ➤ Baylor 1st Annual Cardiovascular Symposium, Fort Worth, TX, February 24, 2007
 - ➤ HCA Cardiovascular Symposium, Grapevine, TX, June 9, 2007
 - Cook Children's Medical Center Grand Rounds, Fort Worth, TX, June 16, 2007
 - ➤ Texas Health Fort Worth Cardiovascular Grand Rounds, Fort Worth, TX, June 29, 2007
 - ➤ Texas Osteopathic Medical Association Meeting, Dallas, TX, February 9, 2008
 - ➤ Baylor 3rd Annual Cardiovascular Symposium, Fort Worth, TX, February 14, 2009

BIBLIOGRAPHY

- Smith, S.M. and Gottesman, M.M. Activity and Deletion Analysis of Recombinant Human Cathepsin L Expressed in Escherichia coli. The Journal of Biological Chemistry 1989, 264(34): 20487-20495
- Smith, S.M., Kane, S.E., Gal, S., Mason, R.W. and Gottesman, M.M. Glycosylation of Procathepsin L Does Not Account for Species Molecular Weight Differences and Is Not Required for Proteolytic Activity. The Biochemical Journal 1989, 262: 931-938
- Abraham, I., Hunter, R.J., Sampson, K.E., Smith, S., Gottesman, M.M. and Mayo, J.K. Cyclic AMP-Dependent Protein Kinase Regulates Sensitivity of Cell to Multiple Drugs. Molecular and Cellular Biology 1987, 7(9): 3098-3106

Curriculum Vitae

Name: Dave Spear, M.D. Mailing Address: PO Box 802001

> Dallas, TX 75380 Phone 432-528-1985

Place of Birth: Akron, Colorado

e-mail <u>Dave@DaveMD.com</u>

Present Position: **Assistant Clinical Professor**

> Department of Emergency Medicine **UT Southwestern Medical School**

Dallas, TX

ı

ER Attending Physician

Trauma and Procedure Director

Ultrasound Director Fluoroscopy Director

Texas Health Harris Methodist Hospital

Fort Worth, TX

Emergency Ultrasound Director

Pediatric Emergency Medicine Fellowship

Children's Medical Center of Dallas

Dallas, TX

Medical Director

Big Bend National Park

Big Bend, TX

Ultrasound Faculty

Department of Emergency Medicine

Parkland Hospital

Dallas, TX

EMS Medical Director

Multiple Texas Communities:

Terlingua, Kermit

McCamey

Education:	Field of Study:	<u>Degree</u> :	<u>Year</u> :
Univ. of Miss., Jackson, MS	Emergency Medicine Residency	B.C.	1988-91
Pres./ St. Luke's, Denver, CO	Internal Medicine Residency	B.E.	1986-88
Pres./ St. Luke's, Denver, CO	Internal Medicine Internship		1985-86
Wayne State Univ., Detroit, MI	Medical School	M.D.	1981-85
Albion College, Albion, MI	Mathematics/ Physics	B.A.	1977-80
Swedish Hospital, Denver, CO	Emergency Medicine	Paramedic	1981
Lutheran Hospital, Denver, CO	Emergency Medicine	E.M.T.	1978

Emergency Medicine Experience:	<u>Year</u> :	<u>Position</u> :
Children's Medical Center Dallas	2011 – Present	Director, Emergency Ultrasound
Parkland Hospital, Dallas, TX	2006 - Present	ER Faculty
Parkland Hospital, Dallas TX	2006 – 2008	Director, Emergency Ultrasound
Children's Medical Center Dallas	2007 - Present	ER Faculty
Dell Children's Hospital, Austin, TX	2005 - 2010	ER Attending
Brackenridge Trauma Center, Austin, TX	2005 - 2010	ER Attending
Harris Methodist Hospital, Ft. Worth, TX	2004 - Present	ER Attending, Ultrasound Director
Medical Center Hospital, Odessa, TX	1991-2004	ER Attending
Jones County Hospital, Laurel, MS	1988-1991	ER Attending
Paramedic - Ambulance, Denver, CO	1980-1986	2200 calls
EMT/Ambulance Attendant, Denver, CO	1977-1980	1000 calls
TOTAL YEARS OF EMERGENCY MEDICINE	40	

Emergency Medicine Instruction and Certification:

American Board of Emergency Medicine, Fellow, Diplomat (1994-Present)

Advanced Cardiac Life Support – Provider (1981-83), Instructor (1983-93), Course Coordinator (1993-95),

Affiliate Faculty (1996-1999), Regional Faculty (Current), CTC (Current)

Advanced Trauma Life Support - Instructor (1989-Present), Site Director (2002)

Pediatric Advanced Life Support Instructor (1988-Present), CTC (Current)

Advanced Pediatric Life Support, Course director, Instructor (1999-Present)

Pediatric Education for Prehospital Professionals, Instructor (2000), Coordinator (2000 – 2002)

Paramedic - Nationally Registered (1989-93), Certified in Colorado (1981-91), Mississippi (1988-91) & Michigan (1981-83)

Certified Base Station Physician (1991)

National Registry of Emergency Medical Technicians – Examiner (1991-2000)

Certified Lifeguard, American Red Cross (1996-2000)

Whitewater Rescue Provider (1998-2000)

Committee Membership / Appointments / EMS Directorship in Reverse Chronological Order:

TCU Medical School, Curriculum Advisory Committee, Ft. Worth, TX	2016-present
Governor's EMS and Trauma Advisory Council, Medical Directors Committee	2012-2016
Governor's EMS and Trauma Advisory Council, Medical Directors Committee	2003-2009
Chairman, Emergency Medicine, Medical Center Hospital, Odessa, TX	2002-2004
Medical Director, Big Bend National Park, Big Bend, TX	2001-Present
911 Commission, Ector County, Texas	1998-2004
Chief Medical Examiner, Ector County, Texas	1997-2005
Board Certification, American College of Forensic Examiners	1997-2002
Texas Emergency Health Care Advisory Committee - EMS Subcommittee	1995-1999
Texas EMS Advisory Council, Medical Directors Committee	1992-1994
Medical Director, Odessa Fire Department, Odessa, TX	1992-2010
Medical Director, Clinton Fire Department, Clinton, MS	1989-1991
Central Mississippi EMS District, Member of Medical Advisory Committee	1989-1991
Emergency Medical Technician Association of Colorado, Advisory Board	1986-1987

Recognition and Special Honors:

Outstanding Achievement in Local Government Innovation Award, 2008, Alliance for Innovation 1st World Congress of Emergency Ultrasound, Milan, Italy, June 2005 recognized as instituting the first EMS Ultrasound program in the world.

Outstanding Medical Director, 1999, Region "J" Texas Trauma Committee

Clinical Publications

Can Novice Sonographers Accurately Locate an Endotracheal Tube With a Saline-filled Cuff in a Cadaver Model? A Pilot Study Atim Uya, MD, Dave Spear, MD, Kalpesh Patel, MD, Pam Okada, MD, Paul Sheeran, MD, and Audra McCreight, MD, Academic Emergency Medicine 19:361-64, 12 Mar

Implementation of a successful registered nurse peripheral ultrasound-guided intravenous catheter program in an emergency department, Miles, G, Spear D, Salcedo, A. J. Emer Nursing, 7/2012

Prehospital ultrasound by paramedics: results of field trial, Heegard, W, Hildebrandt, D, Spear, D, Academic Emergency Medicine 17(6):624-30, 2010 Jun

Novel Picture in Picture video technique to improve the interpretation of bedside ultrasound images in the ED,

Spear, Randles, Miller, SAEM, Abstract, 2009

Book Chapters:

Emergency Ultrasound, Second Edition, O. Ma, J. Mateer, M. Blaivas, McGraw-Hill, 2008, EMS Chapter

Pediatric Emergency and Critical Care Ultrasound, Pediatric Emergency Vascular Access Chapter, Cambridge University Press, 2015.

EMS Ultrasound 2nd ed., Spear DS, Odessa, 911Sono Publishing, 2003

5th World Congress on Modical School Illtrasound Speaker - EMS Illtrasound

EMS Ultrasound, Odessa, Spear DS, 911Sono Publishing, 2001

Grants & Special Projects:

USDA Telemedicine Grant – Telemedicine system funded in 2001. Serves as 24/7 medical support for a 3500 square mile area of remote southwest Texas. Implemented a paramedic suture program. Implemented a remote ultrasound telemedicine program.

EMS Ultrasound – Odessa Fire Department implemented the first use of Ultrasound by Paramedics in the U.S. under grants from the Trauma Region (May 2000)

University of Texas of the Permian Basin – Developed and instructed a gross anatomy class for undergraduate students 1996-2003

OEPAF, Inc. – Formed this non-profit corporation to fund emergency medicine education (1995). Developed the "Anatomy of Emergency Medicine CE classes designed for physicians, paramedics and emergency room staff – funded by grants from Texas Department of Health 1995-present Obtained an American Heart Association Training Center designated for BLS, AED, PALS and ACLS (2000). Registered as a USDA Registered Research Facility (2001 - present)

Became an American College of Surgery Advanced Trauma Life Support Course Site (2001).

<u>National and International Lectures and Presentations by Dr. Spear (Reverse Chronological Order last 4 years)</u>:

Does not include ACLS, PALS, ATLS, PEPP, PHTLS and Surgical Skills Labs

Lubback TV

Aug 2014

5th World Congress on Medical School Ultrasound	3 Speaker – EMS Ultrasound	LUDDOCK, IX	Aug 2016
Tex College of Emer Physicians Annual Meeting	Emergency SIM Lab	Ft Worth, TX	April 2016
Tex College of Emer Physicians Annual Meeting	Emergency Ultrasound	Austin, TX	April 2015
Mt Sinai Medical School, New York	Pediatric Grand Rounds	New York, NY	Feb 2015
Society of Academic Emergency Medicine	Fluoroscopy in the ER	Dallas, TX	May 2104
North Lake Tahoe Paramedic Refresher	Emergency Field Ultrasound	Incline Village, CA	Dec 2013
Texas Dept. of Health EMS Conference	Cadaver Procedures Lab	Ft. Worth, TX	Nov 2013
Texas Dept. of Health EMS Conference	Cardiac Arrest Ultrasound	Ft. Worth, TX	Nov 2013
2nd World Congress on Med School Ultrasound	Speaker – Vascular Access	Columbia, S. C.	Oct 2013
Dallas Childrens' Hospital, Dallas, TX	Critical Care Ultrasound	Dallas, TX	July 2013
Tex College of Emer Physicians Annual Meeting	Emergency Ultrasound	Frisco, TX	April 2013
Texas Dept. of Health EMS Conference	Cadaver Procedures Lab	Austin, TX	Nov 2012
Texas Dept. of Health EMS Conference	Cardiac Arrest Ultrasound	Austin, TX	Nov 2012
7th World Congress of Emergency Ultrasound	Speaker – Pediatric Ultrasound	Barcelona	Oct 2012
Dallas Childrens' Hospital, Dallas, TX	Critical Care Ultrasound	Dallas, TX	July 2012
Tex College of Emer Physicians Annual Meeting	Emergency Ultrasound	San Antonio, TX	April 2012
Tex College of Emer Physicians Annual Meeting	Emergency Ultrasound	San Antonio, TX	April 2011
1st World Congress on Medical School Ultrasound	l Speaker – Vascular Access	Columbia, S. C.	April 2011
Tex College of Emer Physicians Annual Meeting	Emergency Ultrasound	Galveston, TX	April 2011
6th World Congress of Emergency Ultrasound	Speaker – Vascular Access	Rome, Italy	Sept 2009
6th World Congress of Emergency Ultrasound	Speaker – Pediatric Ultrasound	Rome, Italy	Sept 2009

Tex College of Emer Physicians Annual Meeting **Emergency Ultrasound** Frisco, TX April 2010 Texas Childrens Hospital, Houston, TX Pediatric Ultrasound Houston, TX March 2010 Texas Dept. of Health EMS Conference Pediatric Ultrasound Ft. Worth, TX Nov 2009 5th World Congress of Emergency Ultrasound Speaker - Vascular Access Sydney, Australia Sept 2009 5th World Congress of Emergency Ultrasound Speaker – Pediatric Ultrasound Sydney Australia Sept 2009 San Antonio, TX Tex College of Emer Physicians Annual Meeting **Emergency Ultrasound** April 2009 Tex College of Emer Physicians Annual Meeting **Emergency Ultrasound** Houston, TX April 2008 4th World Congress of Emergency Ultrasound Moderator - Primary Clinical P. Alegre, Brazil March 2008 4th World Congress of Emergency Ultrasound P. Alegre, Brazil Speaker – Vascular Access March 2008 4th World Congress of Emergency Ultrasound Speaker - Critical Ultrasound P. Alegre, Brazil March 2008 4th World Congress of Emergency Ultrasound Speaker - Central Access P. Alegre, Brazil March 2008 4th World Congress of Emergency Ultrasound Speaker - Prehospital U/S P. Alegre, Brazil March 2008 **Emergency Medicine Ultrasound Intro Emergency Ultrasound** Tyler, TX Octo 2007 **Emergency Medicine Ultrasound Intro Emergency Ultrasound** Dallas, TX Sept 2007 Illinois College of Emergency Physicians **Emergency Field Ultrasound** Chicago, II June 2007 3rd World Congress of Emergency Ultrasound Chair - Clinical Ultrasound Paris, France May 2007 3rd World Congress of Emergency Ultrasound Pre-Hospital Ultrasound Paris, France May 2007 3rd World Congress of Emergency Ultrasound Vascular Access Paris, France May 2007 Tex College of Emer Physicians Annual Meeting **Emergency Ultrasound** Dallas, TX April 2007 2nd World Congress of Emergency Ultrasound Out of Hospital Ultrasound New York, NY June 2006 2nd World Congress of Emergency Ultrasound Trauma Vascular Access New York, NY June 2006 Ft. Worth, TX Emergency Medicine Ultrasound Advanced Course Emergency Ultrasound May 2006 Texas Dept. of Health EMS Conference EMS Liability Case Law Review Austin, TX Nov 2005 **Emergency Medicine Ultrasound Intro Emergency Ultrasound** Austin, TX Nov 2005 Texas Dept. of Health EMS Conference **Cadaver Course** Austin, TX Nov 2005 Air Medical Transport Annual Meeting Intro Emergency Ultrasound Austin, TX Oct 2005 Malpractice Mitigation Austin, TX Air Medical Transport Annual Meeting Oct 2005 Air Medical Transport Annual Meeting Cadaver Lab Austin, TX Oct 2005 Texas College of Emergency Physicians Sept 2005 **EMS Medical Director Liability** San Antonio, TX **Emergency Medicine Ultrasound Intro Emergency Ultrasound** Ft. Worth, TX July 2005 1st World Congress of Emergency Ultrasound Out of Hospital Ultrasound June 2005 Milan, Italy 1st World Congress of Emergency Ultrasound Chair, Out of Hospital Session Milan, Italy June 2005 1st World Congress of Emergency Ultrasound Moderator, Telemedicine Milan, Italy June 2005 **Emergency Medicine Ultrasound Intro Emergency Ultrasound** Ft. Worth, TX May 2005 **Emergency Ultrasound** Feb 2005 **Emergency Medicine Ultrasound Intro** Arlington, TX Texas Dept. of Health EMS Conference Cadaver Course Austin, TX Nov 2004 Air Medical Transport Annual Meeting **Emergency Ultrasound** Cincinnati, OH Octo 2004 **EMS National Conference EMS Ultrasound** Salt Lake City, UT March 2004 Texas Dept. of Health EMS Conference **EMS Ultrasound** San Antonio, TX Nov 2003 Texas Dept. of Health EMS Conference Telemedicine San Antonio, TX Nov 2003 Boston Medflight Yearly Conference **EMS Ultrasound** Boston, MA Oct 2003 Nov 2002 Texas Dept. of Health EMS Conference Austin, TX **EMS Ultrasound** Nov 2002 Texas Dept. of Health EMS Conference Telemedicine Austin, TX Texas Dept. of Health EMS Conference Austin, TX Nov 2001 **EMS Ultrasound**

Tristan J. Tayag

Professor, Engineering Department, Texas Christian University, TCU Box 298640, Fort Worth, TX 76129 Office: 817.257.6276; Cell: 682.321.9716; Email t.tayag@tcu.edu

EDUCATION:

Doctor of Philosophy in Electrical Engineering

University of Virginia Charlottesville, Virginia

Master of Science in Engineering

May 1987

Johns Hopkins University Baltimore, Maryland

Bachelor of Science in Electrical Engineering

(minor in German)

May 1986

Johns Hopkins University Baltimore, Maryland

PROFESSIONAL POSITIONS:

Texas Christian University

Fort Worth, Texas

Full Professor, 2011-present Associate Professor, 2002-2011

Assistant Professor, 1997-2002

University of North Texas

Health Science Center

Fort Worth, Texas

Adjunct Clinical Associate Professor: Dept of Orthopaedic Surgery

2008-present

Adjunct Associate Professor: Dept of Cell Biology & Genetics

2008-2011

United States Military Academy

West Point, New York

ARL Visiting Scientist: EE&CS Department

1996-1997

University of Maryland

College Park, Maryland

Special Member of the Graduate Faculty

1997-1999

U.S. Army Research Laboratory

Adelphi, Maryland

Electronics Engineer, GS-14: Optics Branch

University of Oklahoma

Norman, Oklahoma

Lecturer: EECS Department, 1991

Research Scientist: Electro-optics Laboratory, 1989-1991

University of Virginia Charlottesville, Virginia

Research Assistant: Electro-optics Laboratory, 1988-1989

Teaching Assistant: EE Department, 1987

Johns Hopkins University Applied Physics Laboratory

Laurel, Maryland

Associate Engineer: Electro-optical Systems Group, 1986-1987

Technical Aide: Radar Signal Processing Group, 1985

Westinghouse Electric Corp.

Baltimore, Maryland

Internship Program: Command and Control Division, 1985

TEACHING EXPERIENCE:

Courses Taught at Texas Christian University:

ENGR 10042 Principles of Digital Logic

ENGR 20404 Network Analysis I (integrated lecture and lab)

ENGR 20413 Network Analysis II

ENGR 30003 Magnetic Field Sensing for Magnetoencephalography (honors tutorial)

ENGR 30014 Materials Science (lecture portion only)

ENGR 30444 Electronics I (integrated lecture and lab)

ENGR 30503 Signals and Systems

ENGR 30543 Electromagnetics

ENGR 30861 Mechanical Systems Lab I

ENGR 40003 Magnetic Field Sensors (honors tutorial)

ENGR 40454 Semiconductor Device Electronics (integrated lecture and lab)

ENGR 40484 Electromechanics (integrated lecture and lab)

ENGR 40544 Fiber Optic Communications (integrated lecture and lab)

ENGR 40754 Digital Signal Processing (integrated lecture and lab)

ENGR 40903/40913 Systems Design I & II (senior capstone design)

ENGR 40970 Technology Entrepreneurship Seminar (seminar)

ENGR 40970 Computer Simulation of a Bioreactor (independent study)

ENGR 40970 Bioreactor Design (independent study)

ENGR 40970 Fluorescence Imaging (independent study)

ENGR 40970 Fiber Optic Interferometry (independent study)

ENGR 40970 Rotating Bioreactor Hydrodynamics (independent study)

SCIE 20103 Technology Entrepreneurship (study abroad course – Australia)

Courses Taught at the United States Military Academy:

EE 381 Signals and Systems

EE 383 Electromagnetic Fields

EE 489 Photoemitters for Optical Communications Applications (independent study)

Course Taught at the University of Oklahoma:

ECE 3613 Electromagnetic Fields II

Course Taught at the University of Virginia:

ECE 2630 Introductory Circuit Analysis Lab (Teaching Assistant)

T. J. Tayag Last Revision: May 2017

Publications:1

Referred Archival Publications:

- 1. R. Wagner, N. Lesley, R. E. Cote', and T. J. Tayag, "Evaluating factors affecting fixation strength of the patellar component of total knee arthroplasty," Am. J. Orthopedics, vol. 42, no. 9, pp. 424-429 (September 2013).
- 2. P. B. Wright, V. Kosmopoulos, R. E. Cote', T. J. Tayag, and A. D. Nana, "FiberWire is superior to stainless steel for tension band fixation of transverse patella fractures," *Injury*, vol. 40, no. 11, pp. 1200-1203 (November 2009).
- R. E. Bunata, V. Kosmopoulos, S. Simmons, T. J. Tayag, M. Roso, and H. Carlson, "Primary tendon sheath enlargement and reconstruction in zone 2: an in vitro biomechanical study on tendon gliding resistance," J. Hand Surgery, vol. 34A, pp. 1436-1443 (October 2009).
- 4. T. J. Tayag, E. S. Kolesar, B. D. Pitt, K. S. Hoon, J. Marchetti, and I. H. Jafri, "An optical fiber interferometer for measuring the in situ deflection characteristics of MEMS structures," Opt. Engineer., vol. 42, no. 1, pp. 105-111 (January 2003).
- 5. T. J. Tayag, "Quantum-noise-limited sensitivity of an interferometer using a phase generated carrier demodulation scheme," Opt. Eng. Lett., vol. 41, no. 2, pp. 276-277 (February 2002).
- 6. T. J. Tayag, M. B. Steer, J. F. Harvey, A. B. Yakovlev, and J. Davis, "Spatial power splitting and combining based on the Talbot effect," IEEE Microwave and Wireless Components Lett., vol. 12, no. 1, pp. 9-11 (Jan 2002).
- 7. D. M. Mackie, T. J. Tayag, and T. E. Batchman, "Polarization separation/combination based on selfimaging," Opt. Eng., vol. 40, no. 10, pp. 2265-2272 (October 2001).
- 8. L. J. Harrison, T. J. Tayag, G. J. Simonis, M. Stead, G. W. Euliss, and R. P. Leavitt, "Monolithic integration of 1.3 µm Stark-ladder electroabsorption waveguide modulators with multimode interference splitters," IEEE Photonics Technol. Lett., vol. 12, no. 6, pp. 657-659 (June 2000).
- S. Kareenahalli, M. Dagenais, D. Stone, and T. Tayag, "Experimental confirmation of phase relationships of multimode interference splitters using a shearing type near-field Sagnac interferometer," IEEE Photon. Technol. Lett., vol. 9, no. 7, pp. 937-939 (July 1997).
- 10. T. J. Tayag, D. M. Mackie, and G. W. Bryant, "A manufacturable technique for implementing low-loss self-imaging waveguide beamsplitters," IEEE Photon. Technol. Lett., vol. 7, no. 8, pp. 896-898 (August
- 11. E. J. Twyford, T. J. Tayag, N. M. Jokerst, and P. A. Kohl, "A pixellated grating array using photoelectrochemical etching on a GaAs waveguide," IEEE Photon. Technol. Lett., vol. 7, no. 7, pp. 766-768 (July 1995).
- 12. T. J. Tayag, T. E. Batchman, and J. J. Sluss, Jr., "Electric-field-dependence of the photocarrier hopping mobility in bismuth silicon oxide," J. Appl. Phys., vol. 76, no. 2, pp. 967-973 (July 1994).
- 13. J. J. Sluss, Jr., T. J. Tayag, and T. E. Batchman, "Effects of impurities on photocarrier mobility in Bi₁₂SiO₂₀," *IEE Proceed. J.*, vol. 139, no. 5, pp. 357-360 (October 1992).
- 14. T. J. Tayag, T. E. Batchman, and J. J. Sluss, Jr., "Direct measurement of the electrogyratory effect in bismuth silicon oxide," Appl. Opt., vol. 31, no. 5, pp. 625-629 (February 1992).
- 15. M. E. Thomas and T. J. Tayag, "Refractive index of He, SF₆, and CO₂ at 0.6328 μm as a function of temperature and pressure," Appl. Opt., vol. 27, no. 16, pp. 3317-3318 (August 1988).

Refereed Conference Proceedings:

- 1. T. J. Tayag, "The Capstone Design Experience Modeled as a Small Business Enterprise," in 2014 Capstone Design Conference Proceedings, Columbus, OH (June 2014).
- 2. Y. Simo and T. J. Tayag, "Non-uniform projection angle processing in computed tomography," in Interferometry XVI: Applications, edited by C. Furlong, C. Gorecki, and E. L. Novak,

Publications set in bold print are related to medical technology.

- Proceed. of SPIE, vol. 8494, DOI: 10.1117/12.2000476 (2012).
- 3. T. J. Tayag and R. C. Watson, "Digital demodulation of interferometric signals," invited book chapter in Modern Metrology Concerns, ISBN 979-953-307-336-0, InTech Publishers (May 2012). Note: Over 4,000 downloads by May 2017 (Most downloaded chapter of this open access textbook).
- 4. T. J. Tayag, S. Dan Dimitrijevich, L. C. del Gallego, and P. Kumar, "Rotating Wall Vessel Designed for Fluorescent Imaging" in Optical Interactions with Tissue and Cells XXII, edited by E. D. Jansen and R. J. Thomas, Proceed. of SPIE, vol. 7897, CID 789718 (2011).
- 5. T. J. Tayag and B. Bachim, "Simulation of an Interferometric Computed Tomography System for Intraocular Lenses," in Interferometry XV: Applications, edited by C. Furlong, C. Gorecki, and E. L. Novak, Proceed. of SPIE, vol. 7791, CID 77910K-3 (2010).
- T. J. Tayag, T. Htun, and E. S. Kolesar, "Integration of a low-cost fiber interferometer with a MEMS probe station," in Interferometry XV: Applications, edited by C. Furlong, C. Gorecki, and E. L. Novak, Proceed. of SPIE, vol. 7791, CID 77910R-1 (2010).
- 7. P. Kumar, A. Thomas, R. S. Weis, and T. J. Tayag, "Digital processing of an interferometric velocimeter for ballistic shock measurement" in Optical Inspection and Metrology for Non-Optics Industries, edited by P. S. Huang, T. Yoshizawa, and K. G. Harding, Proceed. of SPIE, vol. 7432, CID 74320K (2009).
- 8. P. B. Wright, V. Kosmopoulos, R. E. Cote', T. J. Tayag, and A. D. Nana, "FiberWire is superior to stainless steel for tension band fixation of transverse patella fractures," Orthopaedic Research Society 55th Annual Meeting, Las Vegas, NV (February 2009).
- 9. S. Simmons, V. Kosmopoulos, M. Roso, H. Carlson, R. E. Cote', T. J. Tayag, and R. E. Bunata, "Enlarging and reconstructing the flexor tendon sheath reduces gliding resistance," Orthopaedic Research Society 55th Annual Meeting, Las Vegas, NV (February 2009).
- 10. R. A. Weber, T. J. Tayag, and L. J. Shannon, "Digital demodulation algorithm for the interferometric characterization of RF MEMS structures," in Proceedings of the SPIE: Interferometry XII - Techniques and Analysis, vol. 5531, pp. 315-322, Denver, CO (August 2004).
- 11. B. D. Pitt, T. J. Tayag, and M. L. Nelson, "Digital demodulation of an interferometer for the characterization of vibrating microstructures," in Proceedings of the SPIE: Advance Semiconductor Characterization Tech. for Optics, Semiconductors, and Nanotechnologies, vol. 5188, pp. 61-70, San Diego, CA (August 2003).
- 12. B. D. Pitt, T. J. Tayag, and M. L. Nelson, "An algorithm for the digital demodulation of an interferometer," ASEE Gulf-Southwest Annual Conference, Arlington, TX (March 2003). Note: Awarded 2nd Place in the Student Paper Contest.
- 13. J. Kern, S. D. Dimitrijevisch, T. J. Tayag, B. D. Pitt, T. H. Summers, and C. G. Davis, "An optical system to characterize the gross contractile response of a tissue-equivalent collagen matrix," in Proceedings of the SPIE: Optical Technologies to Solve Problems in Tissue Engineering, vol. 4961, pp. 244-249, San Jose, CA (Jan 2003).
- 14. D. M. Mackie and T. J. Tayag, "Form birefringence in waveguide devices," in Proceedings of the Integrated Photonics Research Topical Meeting, Vancouver, Canada (July 2002).
- 15. T. J. Tayag and C. A. Belk, "The application of digital signal processing to stabilize an interferometer at quadrature," in Proceedings of the 10th International Conference on Electronics, Communications, and Computers: ConieleComp 2000, vol. 10, pp. 75-78 (February 2000).
- 16. C. A. Belk and T. J. Tayag, "Digital demodulation of a fractional fringe interferometer," DSPS Fest '99, www.ti.com/sc/dspsfest, Houston, TX (August 1999).
- 17. T. J. Tayag, L. J. Harrison, G. J. Simonis, M. Stead, G. W. Euliss, and R. P. Leavitt, "Monolithic integration of multimode interference splitters with electroabsorption waveguide modulators at 1.3 µm," in Proceed. of the LEOS Annual Meeting, Orlando, FL (December 1998).
- 18. F. A. Varela and T. J. Tayag, "Talbot effect devices for optical communications," in Proceed. of the Nat'l Conf. on Undergrad. Research '98, vol. III, pp. 1019-1022, Salisbury, MD (April 1998).
- 19. S. Kareenahalli, M. Dagenais, D. Stone, and T. Tayag, "Experimental confirmation of phase relationships of multimode interference splitters using a shearing type near-field Sagnac interferometer," in Proceed. of the LEOS Annual Meeting, San Francisco, CA, (November 1997).
- 20. T. J. Tayag, A. H. Sayles, and P. M. Ryan, "Army Research Laboratory Sponsorship of Senior Design

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- Projects at West Point," in *Proceed. of the ASEE Zone I Meeting Engineering Education*, West Point, NY (April 1997).
- D. Kuykendall, C. L. Reitsma, T. J. Tayag, D. M. Mackie, L. J. Harrison, G. W. Euliss, G. F. McLane, and R. P. Leavitt, "Wavelength division multiplexing coupler based on Talbot self-imaging in planar optical waveguides," in *Proceed. of the Nat'l Conf. on Undergrad. Research '97*, vol. III, pp. 1215-1219, Austin, TX (April 1997).
- 22. M. H. Smith, E. A. Sornsin, T. J. Tayag, and R. A. Chipman, "Polarization characterization of self-imaging GaAs/AlGaAs waveguide beamsplitters using Mueller matrix imaging polarimetry," in *Proceed. of the Photonics West Conference Optoelectronics '97*, San Jose, CA (February 1997).
- 23. T. J. Tayag, D. M. Mackie, G. W. Euliss, and L. J. Harrison, "An integrated optics beamsplitter with applications to communications," in *Proceed. of the ARL Sensors and Electron Dev. Symposium*, Adelphi, MD (January 1997).
- 24. T. J. Tayag and D. M. Mackie, "Manufacturable self-imaging waveguide beamsplitters," *NASA Tech Briefs*, vol. 22, no. 8, pp. 6a-8a (August 1996).
- 25. T. J. Tayag, D. M. Mackie, and G. W. Euliss, "Talbot effect waveguide splitters for tactical wireless communications," in *Proceed. of the 20th Army Science Conf.*, vol. 1, pp. 227-231, Norfolk VA (June 1996).
- 26. D. M. Mackie and T. J. Tayag, "Modeling of self-imaging integrated optical power splitters," in *Proceed. of DoD Photonics* '96, pp. 59-64, McLean, VA (March 1996).
- 27. G. W. Euliss and T. J. Tayag, "A time-integrating optical delay-line correlator with application to optical CDMA networks," in *Proceed. of DoD Photonics '96*, pp. 1125-129, McLean, VA (March 1996).
- 28. E. J. Twyford, T. J. Tayag, N. M. Jokerst, and P. A. Kohl, "Surface relief grating array on GaAs waveguides for pixellated vertical outcoupling," in *Optical Computing*, OSA Tech. Digest Series, vol. 10, OSA, Wash DC (1995).
- 29. D. M. Mackie, T. J. Tayag, and G. W. Bryant, "Integrated optical power splitters based on symmetric mode mixing," in *Photonic Systems for Antenna Applications Symposium V*, ARPA, Arlington, VA (January 1995).
- 30. T. J. Tayag and G. W. Bryant, "A guide/antiguide structure for implementing self-imaging waveguide beamsplitters," in *Guided-Wave Optoelectronics: Device Characterization, Analysis, and Design*, T. Tamir, G. Griffel, and H. L. Bertoni, eds., Plenum Press, New York, NY (1995).
- 31. J. G. Wright, L. A. Coryell, W. H. Chang, R. A. Lux, and T. J. Tayag, "Fundamental design of integrated photonic systems for phased array antenna control," in *43rd International Wire and Cable Symposium Proceedings*, IWCS, Inc., Eatontown, NJ (November 1994).
- 32. G. P. Behrmann, T. J. Tayag, D. W. Prather, and S. D. Sarama, "Athermalization of optical systems via diffractive optical elements," in 19th Army Science Conference Proceed., Department of the Army, Washington DC (1994).
- 33. D. W. Prather, J. N. Mait J. van der Gracht, and T. J. Tayag, "Diffractive optical elements for generating arbitrary line foci," in *Conference on Binary Optics*, NASA Conference Publication 3227 (1993).
- 34. T. J. Tayag, B. M. Sadler, and J. M. Pellegrino, "Integrated optical two-dimensional time-integrating correlator," in *Optical Design for Photonics*, OSA Technical Digest Series, vol. 9, Washington DC (1993).
- 35. J. Pellegrino, E. Adler, A. Filipov, L. Harrison, J. van der Gracht, D. Smith, T. Tayag, and E. Viveiros, "Photonics for Aerospace Sensing," in *Optical Technologies for Aerospace Sensing*, SPIE Critical Reviews of Optical Science and Technology Proceedings, vol. CR47, J. E. Pearson, ed. (1992).
- 36. T. J. Tayag, J. J. Sluss, Jr., and T. E. Batchman, "Continuous mode operation of a PRIZ space-time light modulator," in *Sensor Fusion III*, Proceed. SPIE, vol. 1306 (1990).

Papers Presented at Conferences, Workshops, etc.:

- 1. L. Getz, S. D. Dimitrijevich, J. L. Coffer, E. S. Ettinger and T. J. Tayag, "Engineering pancreatic islets for diabetes treatment," *IEEE MetroCon 2016*, Arlington, TX (October 2016).
- L. Getz, S. D. Dimitrijevich, J. L. Coffer, E. S. Ettinger and T. J. Tayag, "A technique for continuously imaging pancreatic islets within a rotating wall vessel bioreactor," *Global Biotechnology Congress 2015*, Boston, MA (July 2015).

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- 3. L. Getz, S. D. Dimitrijevich, J. L. Coffer, E. S. Ettinger and T. J. Tayag, "Maintenance of pancreatic islets in a rotating bioreactor," Biomaterials Interest Group (DFW) Meeting, Ft. Worth, TX (May 2015).
- 4. M. George, J. Gilbert, Y. Mashni and R. Rebagay (Advisor: T. Tayag), "Automated bone processing of skeletal remains," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April 2015).
- 5. L. Getz (Advisors: T. Tayag, D. Dimitrijevich and J. Coffer), "Research towards curing diabetes," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April 2015).
- M. Weeks, Z. Boring, R. Philp and R. Savage (Advisor: T. Tayag), "Seeded Fault Test Rig," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April 2014).
- 7. T. J. Tayag, "The capstone design experience modeled as a small business enterprise," Capstone Design 2014 Conference, Columbus, OH (June 2014).
- 8. T. J. Tayag, "Panel Session: Infrastructure for Prototyping," Capstone Design 2014 Conference, Columbus, OH (June 2014).
- M. Antony, D. Burns, J. Pacheco, J. Myers, E. Simanek and T. Tayag, "The Digital Classroom: Teaching the Bohr Model at the Middle School level through an iPad Application," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April 2013).
- 10. T. J. Tayag, "Case study: TCU capstone design project with Corning," invited presentation, Thales Australia, Sydney, Australia (June 2013).
- 11. T. J. Tayag, "Undergraduate engineering research at TCU," invited presentation, Aerosonde, Inc., Notting Hill, Australia (June 2013).
- 12. T. J. Tayag, "Aerospace research projects at TCU," invited presentation, Thales Australia, Sydney, Australia (June 2012).
- 13. T. J. Tayag and Y. Simo, "Non-uniform projection angle processing in computed tomography," SPIE Optics + Photonics, San Diego, CA (August 2012).
- 14. T. J. Tayag, S. Dan Dimitrijevich, L. C. del Gallego, and P. Kumar, "Rotating Wall Vessel Designed for Fluorescent Imaging," SPIE BiOS Conference, San Francisco, CA (January 2011).
- 15. T. J. Tayag, "Advanced Rotating Bioreactor Technology," New Venture Planning Seminar, TCU Neeley School of Business (September 2010).
- 16. X. Zhao and T. J. Tayag, "Investigation of Particle Trajectory in a Rotating Wall Vessel Bioreactor," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April
- 17. T. J. Tayag and S. D. Dimitrijevich, "Rotating Bioreactor for Real-time Image Analysis and Automated Control," UNTHSC Tech Transfer and Commercialization Briefing, Ft. Worth, TX (October 2009).
- 18. M. Hellman, M. Owings, V. Kosmopoulos, R. E. Cote', T. J. Tayag, and A. Nana, "Comparing Fatigue Between FiberWire and Stainless Steel for the Repair of Transverse Patella Fractures," UNTHSC Research Appreciation Day, Ft. Worth, TX (March 2009).
 - Note: Awarded First Place for the Texas College of Osteopathic Medicine (TCOM) Poster and
 - Awarded First Place for the TCOM Honors Student Poster
- 19. P. Kumar, A. Thomas, R. S. Weis, and T. J. Tayag, "Digital processing of an interferometric velocimeter for ballistic shock measurement," TCU: Student Research Symposium, Ft. Worth, TX (April 2009). Note: Awarded Best Undergraduate Engineering Poster.
- 20. H. A. Carlson, S. Simmons, M. Roso, R. Bunata, T. J. Tayag, and R. Cote', "Gliding Resistance Testing System for Flexor Tendon Repair Research," TCU: Student Research Symposium, Ft. Worth, TX (April 2008).
 - Note: Awarded Best Undergraduate Engineering Poster.
- 21. L. C. del Gallego, T. J. Tayag, and S. D. Dimitrijevich, "Dynamic Fluorescence Microscopy," Texas Christian University: Student Research Symposium, Ft. Worth, TX (April 2007). Note: Awarded Best Undergraduate Engineering Poster.
- 22. C. S. Ghassemi, T. J. Tayag, and S. D. Dimitrijevich, "Optical Characterization of Human

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- Tissue Equivalents," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2006).
- 23. M. C. Johnson, T. J. Tayag, and S. D. Dimitrijevich, "Fluorescence Imaging within RWV Bioreactors," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2006).
 - Note: Awarded Best Undergraduate Engineering Poster.
- 24. T. J. Tayag, M. C. Johnson, E. Ettingerand, and S. D. Dimitrijevich, "Feedback Optimization for Cell Aggregation Tissue Growth in Rotating Wall Vessel Bioreactors," *UNTHSC: Research Appreciation Day*, Ft. Worth, TX (April 2006).
- 25. A. Chennareddy Gari and T. J. Tayag, "Computer simulation of a rotating wall vessel bioreactor," *IEEE MetroCon 2005*, Arlington, TX (September 2005).
- 26. J. Shankardas, T. J. Tayag and S. D. Dimitrijevich, "Tissue remodeling and contraction In vitro studies," *IEEE MetroCon 2005*, Arlington, TX (September 2005).
- 27. A. Chennareddy Gari and, T. J. Tayag, "Computer simulation of a rotating wall vessel bioreactor," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2005).
- 28. T. J. Tayag, "Determining the optical properties of turbid media," *University of North Texas/Health Science Center: Cell Motility Seminar Series*, Fort Worth, TX (December 2004).
- 29. T. J. Tayag, "Electrical engineering technologies applied to problems in tissue science," *University of North Texas/Health Science Center: Guest Lecture Series*, Fort Worth, TX (December 2004).
- 30. T. J. Tayag, "Modeling particle motion in a rotating wall vessel bioreactor," *University of North Texas/Health Science Center: Cell Motility Seminar Series*, Fort Worth, TX (May 2004).
- 31. R. A. Weber, T. J. Tayag, and L. J. Shannon, "Simulation of an interferometric demodulation algorithm for characterizing radio frequency MEMS," MRCEDM Research Festival, Denton, TX (April 2004).
- 32. R. A. Weber, L. J. Shannon and, T. J. Tayag, "Applications and optical characterization of RF MEMS," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2004).
- 33. L. J. Shannon, R. A. Weber, J. Shankardas, T. J. Tayag, and S. D. Dimitrijevich, "Optical measurement of contracting biological cells," *TCU: Student Research Symposium*, Ft. Worth, TX (April 2004).
 - Note: Awarded Sigma Xi's Best Undergraduate Paper for Interdisciplinary Research.
- 34. T. J. Tayag, "Interferometric sensing of MEMS and biological structures," *IEEE MetroCON 2003: Enabling Technology Track*, Arlington, TX (September 2003).
- 35. T. J. Tayag, "Interferometric sensing of MEMS and biological structures," *Johns Hopkins University/Applied Physics Laboratory*, Laurel, MD (July 2003).
- 36. B. D. Pitt and T. J. Tayag, "Characterization of the contraction of fibroblast cells using interferometry," *Technical Report National Science Foundation: Research Experiences for Undergraduates*, Arlington, TX (June 2003).
- 37. R. C. Watson and T. J. Tayag, "An algorithm for demodulating an interferometer in the frequency domain," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2003).
- 38. B. D. Pitt, T. J. Tayag, and M. L. Nelson, "Digital demodulation of an optical interferometer using the Goertzel algorithm," *Texas Christian University: Student Research Symposium*, Ft. Worth, TX (April 2003).
- 39. B. K. Searcey, B. D. Pitt, J. Kern, T. J. Tayag, and S. D. Dimitrijevisch, "Development of an environmental chamber for the interferometric measurement of contracting fibroblast cells," *MRCEDM Research Festival*, Ft. Worth, TX (April 2003).
- 40. B. D. Pitt, T. J. Tayag, E. S. Kolesar, W. E. Odom, and A. J. Jayachandran, "Integration of a fiber optic interferometer with a MEMS probe station," *MRCEDM Research Festival*, Ft. Worth, TX (April 2003).
- 41. R. C. Watson and T. J. Tayag, "An algorithm for demodulating an interferometer in the frequency domain," MRCEDM Research Festival, Ft. Worth, TX (April 2003).
- 42. T. J. Tayag, S. D. Dimitrijevich, J. Kern, T. H. Summers, and C. G. Davis, "Interferometric measurement of contracting fibroblast cells within a collagen gel," *OSA Annual Meeting*, Orlando, FL (October 2002).

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- 43. T. J. Tayag, E. N. Purdy, and E. S. Kolesar, "An optical sensor for the characterization of microelectromechanical system structures," *IEEE MetroCON 2000*, Arlington, TX (September 2000).
- 44. T. J. Tayag, "Research in integrated optics and digital signal processing at TCU," MRCEDM Spring Poster Festival, Denton, TX (March 2000).
- 45. C. T. Moore and T. J. Tayag, "Interferometric characterization of microelectromechanical systems," 5th Annual Student Research Conf., West Texas A&M University, Canyon, TX (November 1998).
- 46. F. A. Varela and T. J. Tayag, "Characterization of a wavelength division multiplexer," 5th Annual Student Research Conf., West Texas A&M University, Canyon, TX (November 1998). Note: Awarded 2nd Place in the Student Paper Contest (Engineering Technology Category).
- 47. T. J. Tayag, "Optical MEMS Research at TCU: Low Frequency Sensor Applications," *Army Research Laboratory Internal Seminar*, Adelphi, MD (December 1997).
- 48. T. J. Tayag, "Talbot Effect Waveguide Devices for Optical Multiplexing Architectures," *LEOS Section Meeting*, Ft. Worth, TX (November, 1997).
- 49. T. J. Tayag, "Self-imaging Waveguide Research at the Army Research Laboratory," *University of Texas Austin, J. J. Pickle Research Center Seminar Series*, Austin, TX (April 1997).
- 50. T. J. Tayag and D. M. Mackie, "Etch depth dependence of strip-loaded multimode interference devices," *OSA Annual Meeting/ILS-XI*, Rochester, NY (October 1996).

 Note: Distinguished as 1 of 5 "Highlighted Posters" from a field of about 20 papers.
- 51. T. J. Tayag, "ARL Research in Optoelectronic Devices and Architectures," ARPA Workshop on Optical Micronetworks (OMNET), Arlington, VA (December 1995).
- 52. G. W. Bryant, T. J. Tayag, and D. M. Mackie, "Implementing and modeling self-imaging waveguide beamsplitters," *CLEO/QELS'95*, Baltimore, MD (May 1995).
- 53. T. J. Tayag and G. W. Bryant, "Self-imaging multimode beamsplitters based on a guide/antiguide waveguide structure," OSA Annual Meeting/ILS-X, Dallas, TX (October 1994).
- 54. T. J. Tayag, "ARL Research in Optical Technologies," University of Oklahoma ECE Department Seminar, Norman, OK (October 1994).
- 55. G. P. Behrmann, T. J. Tayag, D. W. Prather, and S. D. Sarama, "Hybrid optics for athermalization and achromatization," *OSA Annual Meeting/ILS-X*, Dallas, TX (October 1994).
- 56. T. J. Tayag, "Waveguide Beamsplitters for the Optical Control of Phased Arrays," Workshop on Optically Controlled Phased Array Antennas, Ft. Monmouth, NJ (July 1994).
- 57. T. J. Tayag, "ARL Research in Integrated Photonic Processing Systems," *University of Surrey EE Department Briefing*, Surrey, United Kingdom (June 1994).
- 58. T. J. Tayag, "Integrated Photonic Processing of Synthetic Aperture Radar Signals," *Defence Research Agency*, Malvern, United Kingdom (November 1993).
- D. M. Mackie and T. J. Tayag, "Integrated Photonic Processing Systems," Workshop on Dry Etching for Photonic Applications, Ft. Monmouth, NJ (June 1993).
- 60. T. J. Tayag, D. E. Mattox, and D. D. Duncan, "Measurement of ossicular movement with a laser interferometer," *Crowe Symposium: New Perspectives in Hearing Science and Rehabilitation*, Baltimore, MD (October 1986).

Technical Reports:

- 1. T. J. Tayag, "Helmet mounted display optical system," Final Technical Report, *Bell Helicopter Textron, Inc.*, (February 2017).
- 2. L. E. Getz, R. S. Weis, and T. J. Tayag, "Ultimate resolution of an interferometric magnetic sensor," Technical Report, UHV Technologies, Inc. (October 2016).
- 3. T. J. Tayag, M. Antony and G. Marler, "Tactile Limit Cueing Systems for Rotorcraft Flight Control," Final Technical Report, *Bell Helicopter Textron, Inc.* (May 2015).
- 4. T. J. Tayag, J. Coffer, D. Dimitrijevich and L. Getz, "Pancreatic Islet Tissue Engineering," Final Report, *TCU Invests in Scholarship* (May 2015).
- 5. M. Antony and T. J. Tayag, "Tactile Limit Cueing Systems for Rotorcraft Flight Control," Technical Report, Bell Helicopter Textron, Inc. (May 2014).

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- 6. M. Antony, R. Rebagay and T. J. Tayag, "Tactile limit cueing actuation: Progress report," Technical Report, *Bell Helicopter Textron, Inc.* (September 2013).
- 7. M. Antony and T. J. Tayag, "Tactile limit cueing actuation: Design concept options," Technical Report, Bell Helicopter Textron, Inc. (July 2013).
- 8. T. S. Garcia, A. A. Reed, and T. J. Tayag, "TCU Investigation of a Helmet Mounted Display," Technical Report, *Bell Helicopter Textron, Inc.* (May 2010).
- 9. A. Thomas, P. Kumar, R. S. Weis, and T. J. Tayag, "Ballistic Shock Measurement System Using Optical Fibers Phase 2," Technical Report, U.S. Army Aberdeen Test Center (August 2008).
- 10. T. J. Tayag and R. S. Weis, "Ballistic Shock Measurement System Using Optical Fibers," Technical Report, U.S. Army Aberdeen Test Center (July 2007).
- 11. T. J. Tayag and B. L. Bachim, "Interferometric optical phase tomography of intraocular lenses," Final Technical Report, *Alcon Research*, *Ltd.* (November 2006).
- 12. T. J. Tayag, R. C. Watson, and C. G. Davis, "Demodulation of Interferometric Sensors," Final Technical Report, *Weatherford Completion and Production Systems* (July 2005).
- 13. T. J. Tayag, "Smart sensors based on integrated optics and microelectromechanical systems," Technical Report, U.S. Army Research Laboratory, ARO Contract Number DAAG55-98-0477 (July 2003).
- 14. T. J. Tayag, B. D. Pitt, B. K. Searcey, "Fundamental technology development for a light projection array: Optical design," Final Technical Report, *Keyotee, Inc.* (January 2003).
- T. J. Tayag and S. M. Penninck, "Design, modeling, and fabrication of a quasi-optical power combiner based on the Talbot effect," Final Technical Report, Army Research Office, ARO Grant Number DAAG55-98-1-0440 (February 1999).
- T. J. Tayag and D. M. Mackie, "A technique to ease the fabrication tolerance of integrated optical power splitters," Army Research Laboratory Technical Report ARL-TR-1517 (February 1998).
- 17. R. M. Jenkins, J. M. Heaton, and T. J. Tayag, "Fourier transformer design concepts," *United Kingdom Defence Research Agency Technical Report DRA/EL/LPD/CR96/T69.216/M1/1.0* (August 1996).
- 18. D. D. Duncan, C. A. Mitchell, C. C. Bates, and T. J. Tayag, "Measurement of IR dome deformations," *The Johns Hopkins University/ Applied Physics Laboratory Technical Report* (August 1987).
- 19. T. J. Tayag, "Refractive index of N₂, Ar, SF₆, and CO₂ as a function of temperature: Experimental configuration," *The Johns Hopkins University/Applied Physics Laboratory Technical Report F1F(4)87-U-205* (August 1987).
- 20. T. J. Tayag, "Characterization of the scattering properties of IR windows," *The Johns Hopkins University/Applied Physics Laboratory Technical Report F1F(4)87-U-037* (March 1987).
- 21. T. J. Tayag and D. D. Duncan, "Status report: Compliance measurement of middle ear components in vivo," The Johns Hopkins University/Applied Physics Laboratory Technical Report F1F(4)86-U-248 (December 1986).

Patents:

- 1. T. J. Tayag and C. A. Belk, "Method and system for stabilizing and demodulating an interferometer at quadrature," U. S. Patent No. 6,597,458 (issued July 2003).
- 2. T. J. Tayag and T. E. Batchman, "Self-imaging waveguide devices for wavelength division multiplexing applications," U. S. Patent No. 5,862,288 (issued 19 January 1999).
- 3. T. J. Tayag, "Easily manufacturable optical self-imaging waveguide devices," U.S. Patent No. 5,640,474 (issued 17 June 1997).

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FUNDING SUPPORT:2

Current:

Title: "Sensor for Magnetoencephalography"

Type: Research

Principle Investigator: T. J. Tayag

Funding Agency: *UHV Technologies, Inc.*Funding Period: October 2016 – September 2017

Completed:

Title: "Helmet Mounted Display Optical System"

Type: Research

Principle Investigator: T. J. Tayag

Funding Agency: *Bell Helicopter Textron, Inc.* Funding Period: June 2015 – December 2016

Title: "Pancreatic Islet Tissue Engineering"

Type: Research

Principle Investigators: T. J. Tayag and J. Coffer

Funding Agency: Texas Christian University Invests in Scholarship (TCU IS)

Funding Period: June 2014 – May 2015

Title: "Development of a Bone Processing Machine"

Type: Education/Training

Principle Investigator: T. J. Tayag

Funding Agency: *UNT Health Science Center* Funding Period: August 2014 – May 2015

Title: "Tactile Limit Cueing"

Type: Research

Principle Investigator: T. J. Tayag

Funding Agency: Bell Helicopter Textron, Inc. Funding Period: January 2013 – May 2014

Title: "Development of Curing Oven for Fiber Optic Connectors"

Type: Educational/Training Principle Investigator: T. J. Tayag

Funding Agency: *Corning Cable Systems, Inc.* Funding Period: August 2012 – May 2013

Title: "Interdisciplinary learning tool: Increasing student learning across all grades and subjects"

Type: Educational/Training

Student Investigators: M. Antony, D. Burns, J. Myers, J. Pacheco, and S. Rose

Faculty Mentors: E. Simanek and T. J. Tayag

Funding Agency: TCU College of Science & Engineering/SERC

Funding Period: November 2012 - May 2013

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² Funding set in bold print are related to medical technology.

Title: "TCU Investigation of a Cockpit Synthetic Display System"

Type: Educational/Research Principal Investigator: T. J. Tayag

Funding Agency: *Bell Helicopter Textron, Inc.* Funding Period: August 2011 – May 2012

Title: "TCU Investigation of a Helmet Mounted Display – Phase 2"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: *Bell Helicopter Textron, Inc.* Funding Period: July 2010 – April 2011

Title: "Interferometric System for Intraocular Lenses"

Type: Training/Educational Principal Investigator: Z. Zhang

Mentor: T. J. Tayag

Funding Agency: TCU Undergraduate Research and Creative Activities Initiative

Funding Period: October 2010 - May 2011

Title: "TCU Investigation of a Helmet Mounted Display"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: *Bell Helicopter Textron, Inc.* Funding Period: January 2010 – June 2010

Title: "Characterization of a Rotating Bioreactor for Fluorescent Imaging"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: Metroplex Research Consortium for Electronic Devices and Materials

Funding Period: June 2009 – June 2010

Title: "Design and Validation of a Rotating Wall Vessel Culture System"

Type: Research

Principal Investigator: T. J. Tayag Co-Investigator: S. D. Dimitrijevich

Funding Agency: University of North Texas Health Science Center

Funding Period: January 2009 – December 2009

Title: "Biomechanical Testing Using the MTS Mini Bionix Test System"

Type: Research

Principle Investigator: T. J. Tayag

Funding Agencies: UNTHSC and John Peter Smith Hospital

Funding Period: December 2007 – August 2008

Title: "Ballistic Shock Measurement System Using Optical Fibers – Phase II"

Type: Research

Principle Investigator: R. S. Weis Co-Investigator: T. J. Tayag

Funding Agency: U. S. Army Aberdeen Test Center Funding Period: July 2007 – September 2008

T. J. Tayag Last Revision: May 2017

Title: "Ballistic Shock Measurement System Using Optical Fibers"

Type: Research

Principle Investigator: R. S. Weis Co-Investigator: T. J. Tayag

Funding Agency: U. S. Army Aberdeen Test Center

Funding Period: June 2006 – May 2007

Title: "Fluorescent Imaging of a Rotating Wall Vessel Bioreactor"

Type: Research

Principle Investigator: T. J. Tayag

Funding Agency: Texas Christian University: Research and Creative Activities Fund

Funding Period: June 2006 - May 2007

Title: "Modelling the Tomographic Reconstruction of an IOL"

Type: Research

Principal Investigator: T. J. Tayag Funding Entity: Alcon Research, Ltd.

Funding Period: August 2006 - February 2007

Title: "SMART Bioreactors"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: University of North Texas Health Science Center

Funding Period: January 2007 - August 2007

Title: "Preliminary Study of a Machine Vision System for Tissue Bioreactors"

Type: Research

Principal Investigators: T. J. Tayag Funding Agency: *TechFortWorth* Funding Period: May 2004 – June 2005

Title: "Fundamental Technology Development for a Light Projection Array"

Type: Research

Principal Investigators: E. S. Kolesar and T. J. Tayag

Funding Agency: Keyotee, Inc.

Funding Period: August 2002 – August 2003

Title: "Interferometric Sensors"

Type: Research

Principal Investigator: R. S. Weis Co-Investigator: T. J. Tayag

Funding Agency: Weatherford Completion Systems (formerly CiDRA Optical Sensing Systems)

Funding Period: May 2001 – December 2001

Title: "Smart Sensors Based on Integrated Optics and Microelectromechanical Systems"

Type: Research

Principal Investigator: T. J. Tayag Funding Agency: Army Research Office

Funding Period: September 1998 – August 2002

Title: "Design, Modeling, and Fabrication of a Power Combiner Based on the Talbot Effect"

Type: Research

Principal Investigator: T. J. Tayag Funding Agency: *Army Research Office* Funding Period: July 1998 – January 1999

Title: "A Novel Acoustic Sensor"

Type: Research

Principal Investigator: T. J. Tayag Co-Investigator: E. S. Kolesar

Funding Agency: Texas Christian University: Research and Creative Activities Fund

Funding Period: June 1998 –May 1999

Title: "Talbot Effect Devices for Optical Communications"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: Texas Christian University: Research and Creative Activities Fund

Funding Period: November 1997 – May 1998

Title: "Visiting Scientist at the U.S. Military Academy"

Type: Research

Principal Investigator: T. J. Tayag

Funding Agency: Army Research Laboratory Funding Period: August 1996 – June 1997

Title: "Integrated Photonics for Code-Division Multiple Access Communications"

Type: Research

Principal Investigator: T. J. Tayag Co-Investigator: G. W. Euliss

Funding Agency: Army Research Laboratory: Director's Research Initiative

Funding Period: December 1994 – October 1995

UNIVERSITY SERVICE:³

Student Theses/Dissertations Advised:

- 1. Graduate Advisory Committee Member for Addison Woods, "An Anatomical Approach to Lower Extremity Reconstructive Surgery," UNTHSC DO/PhD (April 2017)
- 2. Undergraduate Honors Advisor for Lauren Getz, "Demodulation of a Magnetostriction-based Fiber Interferometer," TCU Honors Paper (May 2017)
- 3. Undergraduate Honors Program committee member for Rachel Rebagay, "Frequency Analysis of Bowing and Pizzicato as a Function of Placement on a Viola A String," Texas Christian University (May 2015)
- 4. Undergraduate Honors Program committee member for Zachary Madel, "The Effect of Green Laser Irradiation on Photoelectrolysis," Texas Christian University (May 2015)
- 5. Research committee member for Victor W. Taylor, II, "Contrasting Force Reduction at the Greater Trochanter Using Different Surgical Procedures for Relief of Greater Trochanteric Pain Syndrome," UNTHSC PhD Dissertation (August 2014)
- 6. Undergraduate Honors Program Advisor for Mathew Antony, "Tactile Limit Cueing Systems for Rotorcraft Flight Control," Texas Christian University (May 2014)
- 7. Undergraduate Honors Program committee member for Diego Estrada, "A Motionless Magnetometer Calibration System," Texas Christian University (May 2010)
- 8. Undergraduate Honors Program committee member for Akhil Thomas, "Fiber Optic Ballistic Shock

T. J. Tayag Last Revision: May 2017

³ University service set in bold print are related to medical technology.

- Vibrometer Sensor," Texas Christian University (May 2009)
- 9. Research committee member for Patrick B. Wright, MD, Resident training in orthopaedic surgery, Research project: Tension band fixation of transverse patella fractures, John Peter Smith Hospital (2008)
- 10. Research committee member for Nathan Lesley, MD, Resident training in orthopaedic surgery, Research project: Patellar component of total knee arthroplasty, John Peter Smith Hospital (2007)
- 11. Research committee member for Sara P. Simmons, MD, Resident training in orthopaedic surgery, Research project: Tendon gliding resistance, John Peter Smith Hospital (2007)
- 12. Research committee member for Jami R. Kern, "Molecular Regulation of Wound Contraction and Scar Formation Using a Three-Dimensional Connective Tissue Model," UNTHSC Ph.D. Dissertation (May 2002)
- 13. Undergraduate Honors Program Advisor for Christopher A. Belk, "The Digital Stabilization and Demodulation of a Fractional Fringe Interferometer," Texas Christian University (May 2000)
- 14. Master's Thesis committee member for Suryaprasad Kareenahalli, "Multimode Interference Devices and Applications to WDM," University of Maryland (May 1997)

Committee Service (Partial Listing):

- 1. Committee Member, TCU University Council (2016-2019)
- 2. Committee Member, TCU Ad Hoc Committee on Study Abroad (2016-2017)
- 3. Committee Member, TCU Intellectual Property Review Committee (2015-2020)
- 4. Committee Member, TCU Gender Equity Committee (2015-2017)
- 5. Advisory Board Member, TCU Center for International Studies (2014-2016)
- 6. Laser Safety Officer, TCU (2009-2018)
- 7. Graduate Faculty, TCU (2011-2017)
- 8. Appointed Member, TCU Global Citizenship 2020 Quality Enhancement Program (2012-2017)
- 9. Panel Member, TCU Learning Journey Workshop at the U.S. Association for Small Businesses & Entrepreneurship Conference (2014)
- 10. Member, GC2020 Marketing & Communications Task Force (2012-2013)
- 11. Co-Director, TCU Internationalization Laboratory, American Council on Education (2012-2014)
- 12. Appointed Member, University Advisory Committee (2012-2015)
- 13. Academic Appeals Committee, TCU (2011-2014)
- 14. Curriculum Committee, TCU College of Science and Engineering (2000-2001, 2008-2010)
- 15. Liaison to the Center for International Studies, TCU College of S&E (2009-present)
- 16. Tenure/Promotion Advisory Committee, TCU College of Science & Engineering (2006-2007)
- 17. Student Research Symposium Committee, TCU College of S&E, chair (2005), member (2004-2006)
- 18. TCU Mathematics Program Review Committee (2004-2005)
- 19. TCU Admissions and Retention Committee, co-chair (2006), member (2003-2008)
- 20. Jerry W. Allen Scholarship Committee, TCU Engineering Department (2006)
- 21. TCU Kinesiology Program Review Committee (2002-2003)
- 22. SACS Educational Programs Committee, Special Programs Subcommittee (2001)

PROFESSIONAL SERVICE:

Membership in Professional Organizations:

- 1. Institute of Electrical and Electronic Engineers, senior member (2005)
- 2. SPIE The International Society for Optical Engineering, member (2000)
- 3. Metroplex Research Consortium for Electronic Devices and Materials, member (1999)
- 4. American Society for Engineering Education, member (1998)
- 5. Optical Society of America, member (1989)
- 6. Tau Beta Pi Engineering Honor Society, elected member (1985)

T. J. Tayag

- 7. Eta Kappa Nu Electrical Engineering Honor Society, elected member (1985)
- 8. Delta Phi Alpha German Honor Society, elected member (1984)

Technical Manuscript/Textbook Reviewer:

- 1. AVS Journal of Vacuum Science and Technology
- 2. IEEE Journal of Selected Topics in Quantum Electronics
- 3. IEEE Transactions on Education
- 4. McGraw-Hill Publisher
- 5. OSA Applied Optics
- 6. OSA Journal of the Optical Society of America A
- 7. OSA Optics Express
- 8. OSA Optics Letters
- 9. Oxford University Press
- 10. Pearson Prentice-Hall Publisher
- 11. SPIE Optical Engineering

Committee Membership (Partial Listing):

- 1. UNTHSC Patient Safety Institute, Strategic Planning Committee, Founding Fellow (2016-2019)
- 2. ASEE Gulf Southwest Annual Conference, Organizing Committee Member (2015-2016)
- 3. IEEE MetroCon Conference Biotechnology Track, Co-founder and Track Chair (2004-2012)
- 4. Metroplex Research Consortium for Electron. Dev. & Mat., Steering Committee (1999-2006)
- 5. UNTHSC Center for Commercialization of Fluorescence Tech., Advisory Board Member (2006-2008)
- 6. IEEE Professional Society, Ft. Worth Section, Executive Committee, Secretary (2004)
- 7. 5th Biennial DoD Photonics Conference, Session 6: Modeling, McLean, VA, Session Chair (1996)

Community Activities Related to Professional Skills (Partial Listing):

- 1. St. Andrew Catholic School, Optics Demonstration, Ft. Worth, TX (2016)
- 2. Robotics Club advisor for St. Andrew Catholic School in Ft. Worth, TX (2015)
- 3. Science laboratory experiments for Holy Family Catholic School in Ft. Worth, TX (2014)
- 4. Holy Family Catholic School, Science Fair Judge, Ft. Worth, TX (2009-2012)
- 5. St. Rita Catholic School, Optics Demonstration, Ft. Worth, TX (2012)
- 6. Holy Family Catholic School Math/Technology Night, Ft. Worth, TX (2012)
- 7. Holy Family Catholic School, Technology Club, Ft. Worth, TX (2011)
- 8. TCU Engineering Camp, Optics Demonstration, Ft. Worth, TX (2011)
- 9. Holy Family Catholic School, National Engineers' Week, Ft. Worth, TX (2008, 2009)
- 10. Como School District 6th Graders (Dr. Brown's Mighty Men), Ft. Worth, TX (2008)
- 11. Bruce Shulkey Elementary School, Career Day, Ft. Worth, TX (2007)
- 12. Nolan Catholic High School, Optics Demonstration, Ft. Worth, TX (2002-2009)
- 13. Catholic Charities Assessment Center, Optics Demonstration, Ft. Worth, TX (2005-2008)
- 14. Texas Society of Professional Engineers, Education Night, Ft. Worth, TX (2004)
- 15. Girl Scouts Science Sleuth Workshop at TCU, Ft. Worth, TX (2004)
- 16. Students with Developmental Disabilities (TCU), Fort Worth, TX (2003)
- 17. Midway Park Elementary School, Euless, TX (2003-2004)
- 18. Computer Technician through Young Adult Ministries, All Saints Elementary School, Ft. Worth, TX. (2000)

T. J. Tayag Last Revision: May 2017

PROFESSIONALLY RELATED HONORS AND AWARDS:

- 1. Coleman Faculty Fellow in Entrepreneurship, TCU Neeley Entrepreneurship Center, Ft. Worth, TX (2010-2013)
- 2. Certificate of Appreciation, IEEE MetroCon Executive Committee, Fort Worth, TX (2009, 2010)
- 3. Outstanding Service Award, IEEE Fort Worth Section (2007)
- 4. Appreciation Award, MetroCon Track Chair, IEEE Fort Worth Section (2006, 2007)
- 5. Dean's Appreciation Award, TCU CS&E, 2005 Student Research Symposium Chair (2005)
- 6. Asian American Chamber of Commerce, Awards Banquet Nomination, Education Category and Science and Technology Category (2002)
- 7. Research and Development Achievement Award, U. S. Army (1997)
- 8. Commander's Award for Civilian Service, United States Military Academy (1997)
- 9. U.S. Army Commendation, Army Research Laboratory (1993)

PERSONAL DATA:

Date of Birth: 24 January 1964

Marital Status: married with 2 daughters

Citizenship: U.S.

Ethnic Origin: pacific islander Hobbies: tennis, reading

T. J. Tayag

Curriculum Vitae Giuliano Testa, MD, FACS, MBA

Surgical Chief of Abdominal Transplant for the Simmons Transplant Institute Surgical Director, Living Donor Liver Transplantation March 2016



Personal:

Date of Birth: November 1962

Place of Birth: Italy Citizenship: Italian Marital Status: Married

Work Address:

Annette C. and Harold C. Simmons Transplant Institute Baylor University Medical Center 3410 Worth St. Suite 950 Dallas, TX 75246 214-820-2050 Office 214-886-6254 Cell

Email: Giuliano.Testa@BSWHealth.org

University Studies:

6/2009-3/2011	Executive MBA Program – The Univ. of Chicago Booth School of Business
7/2007 - 6/2008	Fellowship in Medical Ethics- MacLean Center, University of Chicago, USA
2005	Honorary Degree in Medicine
	Laurea Honoris Causa in Medicine
	University of Timisoara, Romania
7/1996 - 6/1998	Fellowship in Transplantation, Baylor University Medical Center, Dallas
1/1992 - 6/1996	Residency in General Surgery, University of Chicago, USA
1990-1991	Research Physician, University of Chicago, Chicago, USA
10/1988 - 10/1993	Residency in General Surgery (Cum Laude), University of Padova, Italy
11/1981 - 3/1988	Medical Degree (Cum Laude 1988), University of Padova, Italy

Professional Experience:

August 2015 to present Surgical Chief of Abdominal Transplant for the Simmons Transplant

Institute

August 2014 to present Core Faculty, Baylor University Medical Center

August 2012 to present Texas A & M Health Science Center, College of Medicine

Professor of Surgery

July 2011 to present Annette C. and Harold C. Simmons Transplant Institute

Baylor University Medical Center

Surgical Director, Living Donor Liver Transplantation

2010-June 2011 University of Chicago Medical Center

Professor of Surgery

Director Living Donor Program

Associate Director Surgical Ethics Program University of Chicago McLean Center

2007-June 2011 Medical Ethics Faculty

University of Chicago McLean Center

Dec 2005- 2011 University of Chicago Medical Center

Associate Professor of Surgery

Director Liver Transplant and Hepato-Biliary Surgery

Nov 2001 – Nov 2005 University of Illinois at Chicago, Chicago, USA

Associate Professor of Surgery

Director, Living Donor Liver Transplant Program

Director, Liver Transplant Program

July 1998 – Oct 2001 Universitätsklinikum Essen, Essen, Germany

Attending in General and Transplant Surgery

Other Professional Experience:

1988	Observer Physician, Massachusetts General Hospita	al, Boston, USA
1988	Observer Physician, Memorial Sloan Kettering Can	cer Center, New York
1988 - 1991	Croce Verde, Emergency Service	Padova, Italy
1997 - 1998	Southwest Transplant Alliance, Instructor	Dallas, USA

Licensure:

Texas: N7755

DEA #BT7600150

Italy Germany

Board Certification:

1993 Italian Board for General Surgery June 1997 American Board of Surgery

November 2007 Re-Certification

Honors/Awards

2004 Class Act Winner

University of Illinois at Chicago

2005	Commendatore della Repubblica Italiana
2007	Robert Baker Golden Apple Award
	For Excellence in Teaching
	The University of Chicago Medical Center
2005 - 2006	Elected by his peers for inclusion in Best Doctors in America®
2007 - 2008	Elected by his peers for inclusion in Best Doctors in America®
2009 - 2010	Elected by his peers for inclusion in Best Doctors in America®
Dec 2013	Named by his peers to the Super Doctors® list published in a special advertising
	section in Texas Monthly

Memberships in Professional Societies:

1988	Italian Alumni Association – Massachusetts General Hospital
1998-2001	Rumanian Gastroenterology Society
2001-present	International Liver Transplantation Society
2002-2011	Chicago Surgical Society
2002-2011	Illinois Surgical Society
2002-present	American Society of Transplantation
2002-2006	The Transplantation Society
2002-2011	American Liver Foundation – Illinois Chapter
2004-present	American Society of Transplant Surgeons
2004-2011	Metro Chicago Chapter of the American College of Surgeons
2004-Present	The American Hepato-Pancreato-Biliary Association
2005-2011	The Chicago Medical Society
2006-Present	American College of Surgeons - Fellow
2007-2011	Board of Directors, Illinois Chapter American Liver Foundation
2008-Present	Society Surgery of the Alimentary Tract
2008-Present	Association for Academic Surgery
2008-Present	International Society of Surgery
2012-Present	Texas Transplantation Society
2013-Present	Americas Hepato-Pancreato-Biliary Association (AHPBA)
2015-Present	The Transplantation Society
2017-Present	International Hepato-Pancreato-Biliary Association (IHPBA)

Invited Board / Panel / Committee Member:

2002-2011	Medical Advisory Committee, American Liver Foundation, Illinois Chapter
June 21-23, 2002	Member of the organizing committee for 1 st International Conference Abdominal Organ Transplantation from Living Donors: State of the Art
June 25-27, 2004	Co-Chairman of the Organizing Committee, 2 nd International Conference "Living Donor Abdominal Organ Transplantation: State of the Art," Taormina, Italy
June 25-27, 2004	Session Chairman, Living Donor Liver Transplantation, 2 nd International Conference "Living Donor Abdominal Organ Transplantation: State of the Art," Taormina, Italy
April 14-17, 2005	Panel Moderator, 2005 Congress of the American Hepato- Pancreato-Biliary Association, Ft. Lauderdale, Florida
June 23-24, 2006	Co-Chairman of the Organizing Committee, 3 rd International

	Conference "Living Donor Abdominal Organ Transplantation: State of the Art," Sardinia, Italy
2006-2008	President Medical Advisory Board, American Liver Foundation, Illinois Chapter
2008-2011	ASTS Scientific Studies Committee
2009-2011	Critical Care Task Force American Society Transplant Surgeons
Oct 2012	Program Committee for Texas Transplantation Society 2013
Oct 5-6, 2012	Co-Chairman of the Organizing Committee, 6 th International Conference "Living Donor Abdominal Organ Transplantation: State of the Art" – Puglia, Italy
Nov 2, 2012	Program Chair – Donor Advocate Symposium & Ethics Roundtable – Dallas, TX
2012 to May 2014	Surgical Robotic Steering Committee Baylor University Medical Center, Dallas, TX
2012 to 2015	ASTS Reimbursement and Regulatory Committee
June 2013 to present	Quality Assurance Committee Baylor University Medical Center, Dallas, TX
Oct 25, 2013	Program Chair – 2 nd Annual Donor Advocate Symposium, Dallas, TX
July 1, 2014 to June 30, 2016	OPTN/UNOS Living Donor Committee – Region 4 Representative
July 1, 2014 to June 30, 2016	AHPBA Education Committee
July 2014 to June 2016	UNOS Data Subcommittee
Sept 26-27, 2014	Co-Chairman of the Organizing Committee, 7 th International Conference "Living Donor Abdominal Organ Transplantation: State of the Art" – Padova, Italy
Oct 2014	Program Chair – 3 rd Annual Donor Advocate Symposium, Dallas, TX
Sept 2015	ILTS Scholarship Committee
Oct 2015	Program Chair – 4 th Annual Donor Advocate Symposium, Dallas, TX
	International Hepato-Biliary-Pancreatic Surgery and Transplantation Symposium – Montpellier, France Organizational Committee
June 2016 to June 2019	ASTS Living Donation Committee

Co-Chairman of the Organizing Committee, 8th International Conference "Living Donor Abdominal Organ Transplantation: State of the Art" – Sept 9-10, 2016

Trieste, Italy

Program Chair – 5th Annual Donor Advocate Symposium, Dallas, TX Nov 2016

January 2017 Medical Board Member – Baylor University Medical Center **Editorial Board Appointments**

Dec 2016 to present Annals of Hepato-Biliary-Pancreatic Surgery

Aug 2015 to present Korean Journal of Hepato-Biliary-Pancreatic Surgery

Aug 2012 to present Hepatobiliary Surgery and Nutrition

Oct 2011 HPB Surgery

Invited to Guest Edit Special Issue on living donor liver transplantation

Reviewer Ad Hoc

American Journal of Transplantation Transplantation Transplant International

Peer-reviewed Grants Funded

Baylor University Medical Center (2011-present)

Year-	Funding	Total Cost	Role	Study Title
IRB#	Source			
				Pancreatic Islet Transplantation - A Novel Approach to
008-095	Foundation	0	Sub-I	Improve Islet Quality and Engraftment
				Pancreatic Islet Cell Transplantation After Kidney
008-189	Foundation	0	Sub-I	Transplantation – A Novel Approach to Immunosupression
				Protocol to conduct a broad range of retrospective data reviews
009-261	Baylor	0	Sub-I	on liver transplant, kidney transplant and hepatology
				Discovery and Validation of Proteogenomic Biomarker Panels
				in a Prospective Serial Blood & Urine Monitoring Study of
012-157	NIAID	0	Sub-I	Liver Transplant Recipients
				Multiorgan Procurement as a Learning Tool in General
013-063	Baylor	0	Sub-I	Surgical Resident Education
				Metabolomics of Liver Regeneration Following Partial
013-140	Baylor	200,000	PI	Hepatectomy in Healthy Living Liver Donors
				Models for Optimal Liver Transplant Outcomes (MOLTO)
				Study: Predictors of Renal Insufficiency Following Orthotopic
013-259	NIH	67,141	Sub-I	Liver Transplantation
				Circulating microRNA isoforms as biomarkers in
014-121	Baylor	0	Sub-I	hepatocellular carcinoma and associated liver transplantation
014-275	Baylor	0	Sub-I	Transplant Skin Cancer Network Incidence Study
				Multi-Institutional Validation of A Novel Prognostic
				Nomogram Predicting Hepatocellular Carcinoma Recurrence
015-092	Baylor	0	Sub-I	after Liver Transplantation
				International Multicenter Study To Evaluate The Ooutcome
				After Liver Transplantation Of Cirrotic Patients Diagnosed
				With An Intrahepatic Cholangiocarcinoma (iCCA) At
				Pathology Examination. Should The Indication For Liver
015-127	Baylor	0	Sub-I	Transplantation Be Re-Assessed In These Patients?
				Uterine Transplantation and Pregnancy Induction in Women
015-158	Foundation	250,000	PI	affected by Absolute Uterine Factor Infertility
				Evaluation of Donor Specific Immune Senescence and
				Exhaustion as Biomarkers of Operational Tolerance Following
015-258	NIAID	0	Sub-I	Liver Transplantation in Adults

<u>Industry Grants</u> <u>Baylor University Medical Center (2011-present)</u>

Year- IRB#	Funding Source	Total Cost	Role	Study Title
010-214 Closed	American College of Radiology Imaging			Prospective, Multicenter Comparison of Multiphase Contrast- Enhanced CT and Multiphase Contrast-Enhanced MRI for Diagnosis of Hepatocellular Carcinoma for Liver
05/2013	Network	0	Sub-I	Transplantation
012-210 Closed 09/2014	Genentech	50,000	Sub-I	A Phase II Randomized, Double-Blind, Placebo-Controlled Trial of MCMV5322A/MCMV3068A for the Prevention of Cytomegalovirus Disease in High-Risk Kidney Allograft Recipients
012-235 Closed 10/2013	Veloxis	45,000	Sub-I	A Phase 2, Double-Blind, Double-Dummy, Multi-Center, Prospective, Randomized Study of the Pharmacokinetics of LCP Tacro TM Tablets, Once Daily, Compared to Prograf® Capsules, Twice Daily, for the Prevention of Acute Allograft Rejection in De Novo Adult Kidney Transplant Recipients
	A - 4 - 11			A Phase 2a, Randomized, Open-Label, Active Control, Multi- Center Study to Assess the Efficacy and Safety of ASKP1240 in
012-270	Astellas	400,000	Sub-I	de novo Kidney Transplant Recipients Quantitative Evaluation of Liver Disease with Liver
013-041 Closed				Elastography Measurements using the Supersonic Imagine Aixplorer ShearWaveTM Elastography Ultrasound Machine in
07/2015	SuperSonic	200,000	Sub-I	Patients Undergoing Liver Transplant Surgery A Three-Part, Multi-Centre, Randomised, Double-Blind,
013-059	Opsona	150,000	Sub-I	Placebo-Controlled, Parallel-Group, Sequential Adaptive, Phase II Study to Evaluate the Safety, Tolerability and Efficacy of OPN-305, a Humanised Monoclonal Antibody that Blocks Toll-Like Receptor 2, in Renal Transplant Patients at High Risk of Delayed Graft Function
				A Multi-Center, Randomized, Prospective, Open-Label Phase III Study to Evaluate the Efficacy, Safety and Pharmacokinetics of Hepatitis C Immune Globulin Intravenous (Human),
013-132	BioTest	128,000	Sub-I	Civacir TM , in Orthotopic Liver Transplant Recipients
013-241 Closed 07/2015	Astellas	25,000	Sub-I	A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial to Evaluate the Efficacy and Safety of a Vaccine, ASP0113, in Cytomegalovirus (CMV)-seronegative Kidney Transplant Recipients Receiving an Organ from a CMV- seropositive Donor
		20,000		A 36 month multi-center, open label, randomized, comparator study to evaluate the efficacy and safety of everolimus immunosuppression treatment in liver transplantation for
013-307	Novartis	150,000	Sub-I	hepatocellular carcinoma exceeding Milan criteria.
014-094	Novartis	50,000	Sub-I	A 24 month, multicenter, randomized, open-label safety and efficacy study of concentration-controlled everolimus with reduced calcineurin inhibitor vs mycophenolate with standard calcineurin inhibitor in de novo renal transplation - Advancing renal TRANSplant eFficacy and safety Outcomes with an eveRolimus-based regiMen (TRANSFORM)

				Open-label, Phase 2 Study to Evaluate the Safety and Efficacy
				of the Combination of ABT-450/ritonavir/ABT-267 (ABT-
				450/r/ABT-267) and ABT-333 With or Without Ribavirin
				(RBV) in Adult Liver Transplant Recipients with Genotype 1
014-117	AbbVie	70,000	Sub-I	Hepatitis C Virus (HCV) Infection
				A Prospective Observational Trial to evaluate the Correlation of
				T-SPOT® Response to CMV Infection and T Cell-mediated
				Acute Graft Rejection. The PROTECT Study. A Non-
				interventional Observational Study to Evaluate T-cell Responses
				in Kidney Transplant Recipients to: (a) CMV-specific antigens
	Oxford			(T-SPOT.CMV), and (b) a reference panel of donor cells as a
015-065	Immunotec	50,000	Sub-I	marker for acute rejection (T-SPOT.PRT)
				A Phase 2, Multicenter, Open-Label Study to Investigate the
				Safety and Efficacy of Ledipasvir/Sofosbuvir Fixed Dose
				Combination Administered in Patients Infected with Chronic
015-088	Gilead	200,000	Sub-I	HCV for Use in the Peri-Operative Liver Transplantation Setting
				A 24 month, randomized, controlled, study to evaluate the
015-111				efficacy and safety of concentration-controlled everolimus plus
Closed				reduced tacrolimus compared to standard tacrolimus in
12/2015	Novartis	75,000	Sub-I	recipients of living donor liver transplants
		,		A (M)ulti-center, prospective, (O)pen label, uncontrolled
				feasibility (S)tudy to assess the safety and effectiveness of an
				automatic low flow (A)scites (alfa) pump (I)n patients with
015-162	Sequana	100,000	Sub-I	(C)irrhosis and refractory or recurrent ascites.

Previous Research & Grant Support:

University of Essen (1988-2001)

Factor -VII in Liver Transplantation, PI, University of Essen Factor -VII in Liver Resection, PI, University of Essen Hepatoassist Device (Circe), Co- I, University of Essen Taco-Comb in Liver Resection, Co-I, University of Essen

University of Illinois at Chicago (2001-2005)

Non-invasive Measurements of Hepatic Venous Pressure Gradient Using Magnetic Resonance Imaging, Co-I, University of Illinois

Study of the Effects of Ischemic Preconditioning on Recovery of Hepatic Function in the Transplanted Graft and the Rest Liver in Adult Living Donor Transplantation (ALDLTx) (IRB 2002-0287)

Principal Investigator: Giuliano Testa, MD

Total Cost: \$90,000

Funded by Department of General Surgery, University of Illinois at Chicago

Adult Living Donor Liver Transplantation Survey (IRB 2002-0506)

Principal Investigator: Giuliano Testa, MD

University of Illinois

Efficacy of Neoral® in preventing Acute Cellular Rejection (ACR) in Adult-to-Adult Living Donor

Liver Transplant Recipients (2004-2006) (IRB 2003-0521) University of Illinois

Principal Investigator: Giuliano Testa, MD

Sponsor: Novartis Pharmaceuticals

Total Cost: \$39,465

Evaluation of the Role of Dendritic Cells Rejection after Cadaveric and Living Donor Organ

Transplantation (IRB 2003-0266) University of Illinois

Principal Investigators: Giuliano Testa, MD and Damiano Rondelli, MD

Retrospective Chart Review of Psycho-Social and Socio-Economic Issues Facing Transplant

Recipients (IRB 2003-0347) University of Illinois

Principal Investigator: Giuliano Testa, MD

Induction of Kidney Transplant with Donor CD 34+ Cells in Non-Human Primates

(ACC 03-207) University of Illinois

Principal Investigators: Giuliano Testa, MD and Damiano Rondelli, MD

Sponsor: UIC College of Medicine, Campus Research Board

Total Cost: \$100,000

A One-Year, Multicenter, Partially Blinded, Double-Dummy, Randomized Study to Evaluate the Efficacy and Safety of FTY720 Combined with Reduced-Dose Or Full-Dose Neoral® and Corticosteroids Versus Mycophenolate Mofetil (MMF, Cellcept®) Combined with Full-Dose Neoral® and Corticosteroids, in De Novo Adult Renal Transplant Recipients (IRB 2003-0272)

Principal Investigator: Giuliano Testa, MD University of Illinois

Sponsor: Novartis Pharmaceuticals

Direct Costs: \$200,731

University of Chicago (2005-2011)

Matching Mechanism of Kidney Paired Donation (2008)

Principal Investigators: Giuliano Testa, MD and Ann DeBord-Smith

Sponsor: Alpha Omega Alpha-Carolyn L. Kuckein Student Research Fellowship

Total Award: \$5,000

Surgical Patients as Living Organ Donors: A Clinical and Surgical Innovation (2009)

Principal Investigators: Giuliano Testa, MD and Mark Siegler, MD

Sponsor: The Greenwall Foundation

Total Cost: \$50,000

Invited Panel Chair:

Chair: Paper Presentation, International Conference of Living Donor-Essen, Germany, Sept. 2002

Chair: Paper Presentation, International Conference of Living Donor-Essen, Germany, Nov. 2003

Chair: Paper Presentation, International Conference of Living Donor-Essen, Germany, June 2004

Chair: Paper Presentation, International Conference of Living Donor-Essen, Germany, Nov. 2005

Chair: Paper Presentation, American College of Surgeons 94th Annual Clinical Congress –

"Transplantation" –San Francisco, California, Oct. 14, 2008

Chair: Paper Presentation, University of Louisville - International Consensus Conference on Laparoscopic Liver Surgery – The International Collaborative on Minimally Invasive Liver Therapy – Louisville, Kentucky, Nov. 2008

Invited Guest Speaker

International Meeting on Blood Coagulation and Fibrinolysis – May 1999 – Copenhagen, Denmark

German Hematology Society – April 2000 – Freiburg, Germany

University of Illinois – "Living Related Liver Transplantation: The Essen Experience" – October 2001 – Chicago, IL

University of Illinois Grand Rounds - "Living Donor Liver Transplantation" - December 2001

Rush University Transplantation Grand Rounds - "Adult-to-Adult Living Donor Liver Transplantation" – January 2002 – Chicago, Illinois

University of Illinois Medicine Grand Rounds – "Adult-to-Adult Living Donor Liver Transplantation" – 2002 – Chicago, Illinois

S. Michele Hospital Grand Rounds – "Adult-to-Adult Living Donor Liver Transplantation" – May 2002 – Cagliari, Italy

"Open Nephrectomy for Living Donor Kidney Transplantation" - June 2002 - Essen, Germany

Region 7 Organ Bank Meeting – "Split Liver Transplantation" – 2002 – Chicago, Illinois

University of Illinois Anesthesia Grand Rounds – "Adult-to-Adult Living Donor Liver Transplantation" – January 2002 – Chicago, Illinois

Christ Hospital Medicine Grand Rounds – "Adult-to-Adult Living Donor Liver Transplantation" – 2002 – January Chicago, Illinois

National Kidney Foundation – "Life after Donation: Maintaining Optimal Health after Donation" – 2003 – Chicago, Illinois

AMA Meeting - "Living Donor Liver Transplantation" – 2003 - Chicago, Illinois

Chicago Surgical Society - "Living Donor Liver Transplantation Technical Aspect" - 2003 Chicago, Illinois

University of Illinois – "Hepatocellular Carcinoma in Liver Transplantation" – 2003 – Chicago, Illinois

University of Illinois – "Hepatocellular Carcinoma: Therapeutic Strategies" – April 2004 – Chicago, Illinois

Mount Sinai Hospital – "Living Donor Liver Transplantation" – September 2004 – Chicago, Illinois

University of Illinois – "Continuum of Care for Hepatocellular Carcinoma" – December 2004 – Merrillville, Indiana

University of Illinois – "Transplantation Innovations and Management Strategies: An Educational Initiative for Nephrologist" – February 2005 – Chicago, Illinois

Organ Transplant Society – "Living Donor Liver Transplantation" – May 2005 – Naperville, Illinois

University of Modena, Italy Transplant Grand Rounds- Small Bowel Transplant from Living Donor" October, 2005

American Foundation for Donation and Transplantation – Living Liver Donation - March 2006, Atlanta

Pediatric GI Journal Club – Pediatric Living Donor Small Bowel Transplantation – April 2006, University of Chicago, Chicago Illinois

Thomas Jefferson Hospital - "Adult-to-Adult Living Donor Liver Transplantation" – March 2007 – Philadelphia, Pennsylvania

Yale University – "Pediatric Living Donor Small Bowel Transplantation" July 2007 – New Haven, Connecticut

University of Cincinnati – Transplant Grand Rounds - "Pediatric Living Donor Small Bowel Transplantation" – March 2008 – Cincinnati, Ohio

Massachusetts General Hospital - "Living Donor Abdominal Organ Transplantation" – May 2008 – Boston, Massachusetts

International Liver Transplantation Society (ILTS) – "Pre-transplant Renal Dysfunction" – October 19, 2008 Orlando, Florida

Methodist General Hospital – "Adult-to-Adult Living Donor Liver Transplantation" – December 2008 – Dallas, Texas

ASTS 9th Annual State of the Art Winter Symposium "The Right Organ for the Right Recipient" January 17, 2009 Marco Island, Florida

University of Chicago-Pediatric Grand Rounds – "Pediatric Living Donor Small Bowel Transplantation" – January 2009

University of Chicago-General Surgery Grand Rounds – "Small Bowel Living Donor Liver Transplantation" - April 2009

University of Chicago - Conductor Series-Dept. of Surgery - "Small Bowel Living Donor Liver Transplantation" - June 2009

International Surgical Week 2009 – "Adult-to-Adult Living Donor Liver Transplantation" – Adelaide, Australia, Sept. 7, 2009

International Surgical Week 2009 – "Management of Biliary Injury after Cholecystectomy" – Adelaide, Australia, Sept. 8, 2009

University of Chicago MacLean Center for Clinical Medical Ethics – "Elective Surgical Patients as Living Donors" - 22nd Dorothy J. MacLean Fellows Conference, October 2009

State of the Art: Multidisciplinary Approach to Cholangiocarcinoma" University of Chicago – Nov. 13, 2009

Ochsner Clinic - General Surgery Grand Rounds – "10 Years of Living Donor Liver Transplantation for Adults" – Dec. 10, 2009

Ochsner Clinic – Transplant Surgery Lecture: "Living Donor Intestinal Transplantation" – Jan. 6, 2010

The University of Arizona – General Surgery Grand Rounds – "10 Years of Living Donor Liver Transplantation for Adults" – Jan. 20, 2010

Washington University Saint Louis- General Surgery Grand Rounds – "Elective Surgical Patients as Living Donors" March, 2010

5th Living Donor Abdominal Organ Transplantation: State of the Art – Status of Living Donor Liver Transplant in USA- Florence, Italy, June 2010

Living Donor Abdominal Organ Transplantation: State of the Art – Living Donor Hepatectomy: Hybrid Approach – Florence Italy, June 2010

Scott & White, GI Rounds - "Complications of Transplant" - Temple, TX, August, 2011

Baylor University Medical Center – Surgical Grand Rounds – "Living Donor Liver Transplantation" Dallas, TX, August, 2011

The University of Texas Health Science Center at Tyler – Grand Rounds – "Overview of Hepatobiliary Surgery" – Tyler, TX, September, 2011

29th Annual Meeting of Egyptian Society of Surgeons - "10 years of Adult to Adult Living Donor Liver Transplantation: lessons learnt" - Porto Marina, Egypt, October 2011

"Ethics of living donor liver transplantation" Austin, TX, February 2012

24th International Congress of The Transplantation Society – "Living Donation in Pediatric and Adult Intestine Transplantation – Do We Threaten the Donor?" PRO: Brockmann, Jens/Switzerland CONTRA: **Testa, Giuliano**/United States, Berlin, Germany, July 2012

Texas Transplantation Society -25^{th} Anniversary Annual Scientific Meeting - "Ethics of Living Donor Liver Transplantation" - Galveston, TX, July 2012

Scott & White Healthcare – "Ethics of living donor liver transplantation" Temple, TX, September 10, 2012

8th Annual Hepatology Roundup – "Living Donor Liver Transplant" Dallas, TX, September 14, 2012

XXXI Brazilian Congress of Pediatric Surgery – "Living Donor Hepatic, Intestinal and Combined Transplant" Belem, Brazil, October 22, 2012

XXXI Brazilian Congress of Pediatric Surgery – "Role of the Pediatric Surgeon at Intestinal Failure in Kids" Belem, Brazil, October 22, 2012

XXXI Brazilian Congress of Pediatric Surgery – "Actual Aspects of Surgery in Portal Hypertension" Belem, Brazil, October 23, 2012

Donor Advocate Symposium & Ethics Roundtable – "Informed Consent: What the Donor Really Hears" Dallas, TX, November 2, 2012

GI Cancer Conference – "Transplantation for Liver Tumors" Dallas, TX, February 9, 2013.

Surgical Grand Rounds at Baylor University Medical Center – "Management of Liver Tumors" Dallas, TX, April 17, 2013

2013 HBSN First Special Editorial Board Meeting Program – "Key Points Regarding Living Donor Liver Transplantation" Hangzhou, China, April 27, 2013

31st Annual MacLean Center Seminar Series – "Ethical Approach to Living Donor Candidates: Perception and Reality" Chicago, IL, May 8, 2013

28th Annual International STSW (Society for Transplant Social Workers) Conference – "Bio-Medical Ethics in Living Liver & Kidney Donation" Dallas, TX, Oct 9, 2013

2nd Annual Donor Advocate Symposium – "Living Donor Transplantation: Current Trends & Challenges" Dallas, TX, October 25, 2013

The 25th Anniversary Dorothy J. MacLean Fellows Conference on Clinical Medical Ethics – "Cosmetic Surgery and Living Donation" Chicago, IL, Nov 15-16, 2013

Refresher Course in Advanced Liver Cancer Surgery - Multidisciplinary Treatment Strategies of Secondary and Primary Tumor of the Liver: Present and Future. "Liver Transplantation for cholangiocarcinoma: Indications and Results" Milan, Italy, Nov 21-22, 2013

Refresher Course in Advanced Liver Cancer Surgery - Multidisciplinary Treatment Strategies of Secondary and Primary Tumor of the Liver: Present and Future. "UNOS Allocation System: Matching MELD vs HCC" Milan, Italy, Nov 21-22, 2013

Refresher Course in Advanced Liver Cancer Surgery - Multidisciplinary Treatment Strategies of Secondary and Primary Tumor of the Liver: Present and Future. "Ethics and Organ Transplantation" Milan, Italy, Nov 21-22, 2013

Baylor Foundation Board Meeting – "Baylor's Living Donor Liver Transplant Program" Baylor University Medical Center, December 10, 2013

Practical Updates for Primary Care Physicians – "Living Donor Transplant: An Ethical Discussion" Corsicana, TX, April 12, 2014

Texas Transplantation Society 2014 Annual Scientific Meeting – "Pro/Con Debate: Paying Living Donors for Their Organs: the Good, the Bad and the Ugly" San Antonio, TX, July 12, 2014

Celebration of the 500th Living Donor Liver Transplant Performed at the University of Fukuoka – "LDLT – The 'Small' Contribution from the Western World" Fukuoka, Japan, July 26, 2014

6th International Hepato-Biliary-Pancreatic Surgery and Transplantation Symposium – "Hepatectomy without vascular reconstruction" Montpellier, France, Sept 22-24, 2014

 6^{th} International Hepato-Biliary-Pancreatic Surgery and Transplantation Symposium – Split adult / adult ex situ VS in situ" Montpellier, France, Sept 22-24, 2014

3rd Annual Donor Advocate Symposium – "Donor Reimbursement: An Update on the Debate" Dallas, TX, October 10, 2014

Temple – Baylor Scott & White – "Living Donor Liver Transplantation: An Update" Temple, TX, Oct 14, 2014

New Options – New Hope for Transplant Patients: Innovative Clinical and Financial Approaches - OPTUMHealth Education Symposium – "Living Donor Liver Transplant: Why and When" Dallas, TX October 21, 2014

New Options – New Hope for Transplant Patients: Innovative Clinical and Financial Approaches - OPTUMHealth Education Symposium – "Transplant Ethics" Dallas, TX, October 22, 2014

Alton Pearson Lecture Series – "Ethics of Living Donor Transplantation" BSWH Hillcrest Medical Center, Waco, TX, November 6, 2014

26th Annual MacLean Conference on Clinical Medical Ethics – "Changing the Ethics of Transplantation: Is It Time to Reconsider?" Chicago, IL, November 15, 2014

Transplantation: Essentials of Solid Organ and Blood/Marrow Transplant Management – OPTUMHealth Education - "Ethics in Transplant" Scottsdale, AZ, Apr 14, 2015

11th Annual Conference for PSC Patients and Caregivers – "Living Donor Liver Transplant in PSC Patients" Dallas, TX, Apr 25, 2015

BUMC CME - Current Trends in Complex Specialty Care – "Ethics – Living Donor Program" Lubbock, TX, May 2, 2015

VISN 17 Annual Ethics Symposium – Advances in Clinical Ethics – "Ethics of Organ Transplant" Dallas VA Medical Center, May 14, 2015

The Living Bank and Terri Goodman & Associates – one-hour live webinar – "Living Donor Liver Transplant" August 18, 2015

Hepatobiliary, Pancreatic Surgery and Manuscript Writing Symposium – "Living Donor Liver Transplantation in the U.S." Beijing, China, Sept 23, 2015

Hepatobiliary, Pancreatic Surgery and Manuscript Writing Symposium – "Value of an MBA Degree in Academic Surgery" Beijing, China, Sept 23, 2015

Baylor Foundation Board Meeting – "Uterine Transplantation" Baylor University Medical Center, September 16, 2015

24th Annual National Conference – OPTUMHealth Education – "Organ Transplantations and Ethical Dilemmas" Minneapolis, MN, September 30, 2015

BUMC CME – Current Trends in Complex Specialty Care "Ethics – Living Liver Transplantation" Rockwall, TX, October 3, 2015

4th Annual Donor Advocate Symposium – "Overview of Donor Incentives and Disincentives" Dallas, TX, October 23, 2015

Ethics CME – "Ethics of Living Donor Transplantation" Paris, TX, November 3, 2015

"Living Donor Liver Transplantation in the U.S." Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan, November 12, 2015

Ethics CME - "Ethics of Living Donor Transplantation" Baylor All Saints Medical Center, Fort Worth, TX March 1, 2016

Surgical Grand Rounds at the University of Illinois at Chicago – "Transplant Surgical Techniques Applied to Hepato-biliary Surgery" Chicago, IL, May 18, 2016

Baylor Scott & White Surgical Alumni Association Meeting – "Update in Transplantation of Liver, Kidney, Pancreas" Temple, TX May 20-21, 2016

8th International Conference: Living Donor Abdominal Organ Transplantation State of the Art "Donor Follow-up: What is Missing?" Trieste, Italy, September 9-10, 2016

Ethics CME – "Ethics of Living Donor Transplantation" Longview, TX, November 1, 2016

Universitatea de Medicină și Farmacie "Victor Babeș" din Timișoara "Laparoscopic Ablation of Liver Metastases by Radiofrequency" Timișoara, Romania, November 21, 2016

Southwestern Gynecologic Assembly (SGA) Meeting – New Frontiers in Obstetrics and Gynecology "Uterine Transplantation" Dallas, TX, December 2, 2016

7th Edition of Master Class in Liver Disease (MCLD) Liver Diseases and Transplantation - Back to Basics – "Portal Hypoperfusion and Hyperperfusion in LDLT" Chennai, India January 20-22, 2017

CME Program – Liver Disease Conference – "Ethics of Living Donor Transplantation" Ft. Worth, TX, March 4, 2017

Book Publications

- 1. **Testa G**, Klintmalm GB. Assessing Suitability of the Cadaver Donor. Levy MF, Klintmalm GB (eds). <u>Landes Bioscience Organ Procurement and Preservation Handbook</u>. pp 47-59 Landes Bioscience, Georgetown, Texas, 1999.
- 2. Malagó M, **Testa G**, Broelsch C.E. Segment III Approach to Bile Duct Drainage <u>Operative Techniques in General Surgery</u>, Vol 2, No 4(December) 2000, pp 311-318.
- 3. Oberholzer, J, **Testa G**, Sankary H, John E, Thielke J, Benedetti E. Kidney Transplantation at the University of Illinois at Chicago from 1988-2004. Published in <u>Clinical Transplants 2004</u>, Cecka and Terasaki, pp 143-149, UCLA Immunogenetics Center, Los Angeles, CA 2005.
- 4. **Testa G**, Malagó M, Benedetti E. *Living Donor Liver Transplantation: The Donor Surgical Procedures Adult Donor to Adult Recipient, Right Lobe.* <u>Living Donor Organ Transplantation.</u> Chapter 29.3.1a, pp. 477-481. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 5. **Testa G**, Luther-Campise R, Benedetti E. *Living Donor Liver Transplantation: The Donor Perioperative Care*. <u>Living Donor Organ Transplantation</u>. Chapter 29.4, pp. 500-504. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 6. **Testa G**, Benedetti E. *Liver transplantation: The Recipient Optimized Venous Outflow*. Living Donor Organ Transplantation, Chapter 30.4, pp. 569-572. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 7. **Testa G**, Benedetti E, DeChristopher PJ. *Liver transplantation: The Recipient Strategies to Maximize the Donor Pool ABO Incompatibility.* <u>Living Donor Organ Transplantation</u>. Chapter 30.16.1, pp. 661-665. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 8. Benedetti E, Holterman MJ, **Testa G**. *Intestinal Transplantation The Donor Selection and Workup*. <u>Living Donor Organ Transplantation</u>. Chapter 33.1, pp. 685-688. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 9. **Testa** G, Panaro F, Benedetti E. *Intestinal Transplantation The Donor Morbidity, Mortality, Long-Term Outcome*. <u>Living Donor Organ Transplantation</u>. Chapter 33.3, pp. 690-694. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- Benedetti E, DiDomenico S, Testa G. Intestinal Transplantation The Recipient Selection and Workup. <u>Living Donor Organ Transplantation</u> Chapter 34.1, pp. 694-699. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008

- 11. Benedetti E, Gangemi A, **Testa G**. *Intestinal Transplantation- The Recipient Immunosuppressive Therapy and Postoperative Complications*. <u>Living Donor Organ Transplantation</u>. Chapter 34.3, pp. 705-711. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008
- 12. **Testa G**, Simon AJ, Benedetti E. *Intestinal Transplantation The Recipient Intestinal Transplantation: Cost Analysis*. <u>Living Donor Organ Transplantation</u>. Chapter 34.6, pp. 718-723. Editor, Rainer W. G. Gruessner and Associate Editor, Enrico Benedetti. McGraw-Hill Publishing Company, New York, 2008

Peer Reviewed Publications

- 1. Pelizzo MR, **Testa G**, et al. Considerations on the surgical treatment of inguinal hernias. *Giornale Veneto di Scienze Mediche* 1989; 41(6): 309
- 2. Meduri F, **Testa G**, et al. Surgical treatment of carcinoma of the ampulla of vater. *Chirurgia*; IV, 1991
- 3. Michelassi F and **Testa G**, Pomidor WJ, Lashner BA, Block GE. Adenocarcinoma complicating Crohn's disease. *Dis Colon Rectum* 1993 Jul; 36(7): 654-61.
- 4. Jeyarajah DR, Netto GJ, Lee SP, Abbasoglu O, **Testa G**, Goldstein RM, Husberg BS, Levy MF, Tillery GW, Gonwa TA, Crippin JS, Klintmalm GB. Defining recurrent primary sclerosing cholangitis (PSC): is chronic rejection part of the disease process? *Liver Transplant and Surg* 1997; 3(5): C-43
- 5. Jeyarajah DR, Gonwa TA, McBride M, **Testa G**, Abbasoglu O, Husberg BS, Levy MF, Goldstein RM, Klintmalm GB. Hepatorenal syndrome: combined liver kidney transplants versus isolated liver transplant. *Transplant* 1997; 64(12): 1760-5
- 6. Abbasoglu O, Levy MF, Brkic BB, **Testa G**, Jeyarajah DR, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. 10 Years of liver transplantation: an evolving understanding of late graft loss. *Transplant* 1997; 64(12):1801-7
- 7. **Testa G** and Klintmalm G. Cyclosporine and Tacrolimus. The mainstay of immunosuppressive therapy for solid organ transplantation. *Clinics in Liver Disease* 1997; 1(2):417-437.
- 8. **Testa G** and Klintmalm GB. Liver transplantation for primary and metastatic liver cancers. *Annals of Transplant* 1997; 2(4):19-21.
- 9. Prabhakar G, **Testa G**, Abbasoglu O, Jeyarajah DR, Goldstein RM, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. The safety of cardiac surgery in the liver transplant patients. *Annals of Thoracic Surgery* 1998; 65(4):1060-4
- 10. **Testa G**, Goldstein RM, Toughanipour A, Abbasoglu O, Jeyarajah DR, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. Guidelines for surgical procedures after liver transplantation. *Annals of Surgery* 1998; 227(4):590-9
- 11. **Testa G**, Goldstein RM, Netto G, Abbasoglu O, Jeyarajah DR, Brooks BK, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. Long-term outcome of patients transplanted with livers from hepatitis C positive donors. *Transplant* 1998; 65(7):925-9
- 12. Fabia R, Levy MF, Abbasoglu O, **Testa G**, Jeyarajah DR, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Colon carcinoma in patients undergoing liver transplantation. *Am J Surg* 1998; 176(3): 265-9
- 13. Jeyarajah DR, Gonwa TA, **Testa G**, Abbasoglu O, Goldstein R, Husberg BS, Levy MF, Klintmalm GB. Liver and kidney transplantation for polycystic disease. *Transplant* 1998; 66(4):529-32
- 14. Abbasoglu O, Levy MF, Jeyarajah DR, **Testa G**, Brkic BS, Jennings LW, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Does intraoperative hepatic artery flow predict post liver transplant arterial complications? *Transplant* 1998; 66(5):598-601

- 15. Jeyarajah DR, Netto GJ, Lee SP, **Testa G**, Abbasoglu O, Husberg BS, Levy MF, Goldstein RM, Gonwa TA, Tillery GW, Crippin JS, Klintmalm GB. Recurrent primary sclerosing cholangitis following orthotopic liver transplantation: is chronic rejection part of the disease process? *Transplant* 1998; 66(10):1300-6
- 16. **Testa G**, Malagó M, Hertl M, Broelsch CE. Pediatric liver transplantation: current status. *Graft* 1999; 2(2):69-73
- 17. **Testa G**, Malagó M, Broelsch CE. Living-donor liver transplantation in adults. *Langenbeck's Arch Surg* 1999 Dec: 384(6):536-43.
- 18. **Testa G**, Malagó M, Broelsch CE. Bleeding problems in patients undergoing segmental liver transplantation. *Blood Coagul Fibrinolysis* 2000 Apr; 11(Suppl 1): S81-5. Review.
- 19. **Testa G**, Crippin JS, Netto GJ, Goldstein RM, Jennings LW, Brkic BS, Brooks BK, Levy MF, Gonwa TA, Klintmalm GB. Liver transplantation for hepatitis C. recurrence and disease progression in 300 patients. *Liver Transpl* 2000 Sept; 6(5): 553-61
- 20. Broelsch CE., Malagó M., **Testa G**., Valentin-Gamazo C. Living donor liver transplantation in adults: outcome in europe. *Liver Transpl.* 2000 Nov; 6(sup 2) S64-5
- 21. Janssen H, Malagó M, **Testa G**, Valentin-Gamazo C, Hertl M, Broelsch CE. Immunosuppression in living related and living unrelated liver transplantation. *Transplant Int.* 2000; 12:106-8
- 22. **Testa G**, Malagó M, Valentin Gamazo C, Lindell G, Broelsch CE. Biliary anastomosis in living related liver transplantation using the right liver lobe: techniques and complications. *Liver Transpl.* 2000; 6(6): 710-4
- 23. **Testa G**, Malagó M, Broelsch CE. From living related to in-situ liver transplantation: how to reduce waiting-list mortality. *Pediatr Transplant* 2001 Feb; 5(1): 16-20
- 24. Janssen H, Malagó M, Erhard J, Lange R, **Testa G**, Vester U, Eigler FW, Broelsch CE. Donor Age in Liver Transplantation: Is there a Limit? *Transplant Proc.* 2001 Feb-Mar; 33(1-2): 1504
- 25. Vester U., Kranz B., **Testa G**., Malagó M., Beelen D., Broelsch C.E., Hoyer P.F. Efficacy and tolerability of interleukin-2 receptor blockade with basiliximab in pediatric renal recipients. *Pediatric Transplantation*. 2001 Aug; 5:297-301
- Oldhafer K.J, Lang H, Malagó M, **Testa G**, Broelsch C.E. Ex situ resection und resection an der situ perfundierten leber. Gibt es noch Indikationen? *Chirurgh* 2001; 72:131-7
- 27. **Testa G.**, Malagó M., Nadalin S., Paul A., Frilling A., Broelsch C.E. Complications and outcomes in adult to adult living-donor liver transplantation. *Current Opinion in Organ Transplantation*. 2001; 6(4): 367-70
- 28. **Testa, G,** Malagó, M., Broelsch, CE. Complications of the biliary tract in liver transplantation. *World J Surg* 2001 Oct; 25(10): 1296-9
- 29. Malagó M., **Testa G**., Siegler M., Marcos A., Fung J., Broelsch CE. Ethical consideration and rationale of adult to adult living donor liver transplantation: dilemmas still unresolved. *Liver Transplantation* 2001 Oct; 7 (10): 921-7

- 30. Lang H., Malagó M., **Testa G**, Nosser S, Clauer U, Broelsch CE. Donor risk in living related liver transplantation-the surgeon point of view. *Psychother Psychosom Med Psychol* 2001 Dec;5(12):447-51.
- 31. Janssen H, Lange R, Erhard J, **Testa G**, Malagó M., Janssen P, Eigler FW, Broelsch C.E. Serum bile acid in liver transplantation-early indicator for acute rejection and monitor for antirejection therapy. *Transpl. Int.* 2001 Dec:14(6):429-37
- 32. Broelsch CE, **Testa G**, Alexandrou A., Malagó M. Living related liver transplantation: medical and social aspects of a controversial therapy. *Gut*. 2002 Feb;50(2):143-5
- 33. Hertl M., Malagó M., **Testa G**, Broelsch C.E. Structural requirements and interactions of transplant centers. *World J Surg* 2002 Feb;26(2): 177-80
- 34. Malagó M, Hertl M., **Testa G**, Rogiers X, Broelsch CE. Split liver transplantation: the future use of scarce donor organs. *World J Surg*. 2002 Feb; 26(2): 275-82
- 35. Goyen M., Barkhausen J, Debatin JF, Kuhl H., Bosk S, **Testa G.**, Malagó M., Ruehm S.G. Rightlobe living related liver transplantation: evaluation of a comprehensive magnetic resonance imaging protocol for assessing potential donors. *Liver Transplantation* 2002 Mar; 8(3): 241-50
- 36. Sileri P, Pursell KJ, Coady NT, Giacomoni A, Berliti S., Tzoracoleftherakis E, **Testa G**, Benedetti E. A standardized protocol for the treatment of severe pneumonia in kidney transplant recipients. *Clinical Transplantation* 2002;16: 450-54
- 37. Malagó M, **Testa G**, Hertl M, Lang H, Treichel U, Broelsch CE. Biliary reconstruction following Right Lobe Adult Living Donor Liver Transplantation. End-to-End or End-to-Side Bile Duct Anastomosis. *Langenbeck's Arch Surg* 2002 Apr; 387(1):37-44
- 38. **Testa G**, Malagó M, Nadalin S, Hertl M, Lang H, Frilling A, Broelsch CE. Right-liver living donor transplantation for decompensated end-stage liver disease. *Liver Transplantation* 2002 Apr; 8(4): 340-6
- 39. Schroeder T, Malagó M, Debatin JF, **Testa G**, Nadalin S, Broelsch CE, Ruehm SG. Multidetector computed tomographic cholangiography in the evaluation of potential living liver donors. *Transplantation* 2002 Jun 27; 73(12): 1972-3
- 40. Janssen H, Malagó M, **Testa G**, Broelsch CE. Immunosuppression in living related and living unrelated liver transplantation. *Transplant Proc.* 2002 Jun; 34(4): 1229-30
- 41. Malik P, Bogetti D, Sileri P, **Testa G**, Blumenthal S, Wiley T, Layden T, Benedetti E. Spur cell anemia in alcoholic cirrhosis: cure by orthotopic liver transplantation and recurrence after liver graft failure. *Int Surg.* 2002 Oct-Dec; 87(4):201-4
- 42. Sileri P, Pursell KJ, Coady NT, Giacomoni A, Berliti S, Tzoracoleftherakis E, **Testa G**, Benedetti E. A standardized protocol for the treatment of sever pneumonia in kidney transplant recipients. *Clin. Transplant.* 2002 Dec;16(6): 450-454
- 43. **Testa G**, Trevino J, Bogetti D, Layden T, Wiley T, Sankary H, Benedetti E. Liver transplantation for propylthiouracil-induced acute hepatic failure. *Dig Dis Sci*. 2003 Jan;48(1): 190-1
- 44. Broelsch CE, Frilling A, **Testa G**, Malagó M. Living Donor Liver Transplantation in Adults. *Eur J Gastroenterol Hepatol*. 2003 Jan; 15(1): 3-6. Review

- 45. Panaro F, **Testa G**, Bogetti D, Sankary H, Helton WS, Benedetti E. Auto-islet transplantation after pancreatectomy. *Expert Opin Biol Ther*. 2003 Apr;3(2):207-14
- 46. **Testa G**. Living donor kidney transplantation: Standard procedure. *Transplant Proc* 2003; 35(3): 937-8
- 47. Malagó M., **Testa G.**, Valentin-Gamazo C., Nadalin S., Frilling A., Broelsch E.C., Surgical variabilities in living organ procurement. *Transplant Proc.* 2003; 35(3): 953-4
- 48. Cotler SJ, Cotler S, Gambera M, Benedetti E, Jensen MD, **Testa G**. Adult living donor liver transplantation: perspectives from 100 liver transplant surgeons. *Liver Transplantation* 2003 Jun;9(6): 637-44
- 49. Ruh J, **Testa G**, Von Diemling F, Schaper J, Kremens B, Broelsch CE. Management of pneumatosis coli with free intraperitoneal gas mimicking abdominal hollow organ perforation in a 13-year-old patient following bone marrow transplantation. *Dig Dis Sci* 2003 Aug 48 (8) 1542-4
- 50. Zielinski A, Nazarewski S, Bogetti D, Sileri P, **Testa G**, Sankary H, Benedetti E. Simultaneous pancreas-kidney transplant from living related donor: a single center experience. *Transplantation* 2003 Aug 15; 76(3): 547-52
- 51. **Testa G**, Malagó M, Nadalin S, Treptow B, Paul A, Frilling A, Broelsch CE. Histidine-tryptophan-ketoglutarate versus University of Wisconsin solution living donor liver transplantation: results of a prospective study. *Liver Transpl.* 2003 Aug; 9 (8): 822-6
- 52. **Testa G**, Panaro F, Bogetti D, Jarzembowski T, Schuler J, Baraniewski H, Benedetti E. Simultaneous orthotopic liver and kidney transplant with repair of abdominal aortic aneurysm: operative timing. *Am J Transplant*. 2003 Aug; 3(8): 1036-9
- 53. Broelsch CE, Frilling A, **Testa G,** Cincinnati V, Nadalin S, Paul A, Malagó M. Early and late complications in the recipient of an adult living donor liver. *Liver Transplantation* 2003 Oct 9 (suppl 2) S50-53
- 54. Malagó M, **Testa G**, Frilling A, Nadalin S, Valentin Gamazo C, Paul A, Lang H, Treichel U, Cincinnati V, Gerken G, Broelsch CE. Right living donor liver transplantation an oOption for adult patients: single center experience with 74 patients *Ann Surg* 2003 Dec; 238(6): 853-63
- 55. Holterman MJ, Holterman AL, Carol R, John E, **Testa G**, Sankary H, Cohen M, Grevious M, Abcarian HA, Benedetti E. Living-related bowel transplantation to treat short bowel syndrome in a four old child: a case report. *J Pediatr Surg*. 2003 Dec; 38(12):1763-5
- 56. Sammartino C, Pham T, Panaro F, Bogetti D, Jarzembowski T, Sankary H, Morelli N, **Testa G**, Benedetti E. Successful simultaneous pancreas-kidney transplantation from living-related donor against positive cross-match. *Am J Transplant*. 2004 Jan; 4(1): 140-3
- 57. Panaro F, **Testa G**, Balakrishnan N, Rao B, Bogetti D, Jarzembowski T, Sammartino C, Sankary H, Benedetti E. Living related small bowel transplantation in children: 3-dimensional computertomography donor evaluation. *Pediatr Transplant*. 2004 Feb; 8(1): 65-70

- 58. Sileri P, Sica G, Gentileschi P, Venza M, Manzelli A, Palmieri G, Spagnoli LG, **Testa G**, Benedetti E, Gaspari AL. Ischemic preconditioning protects intestine from prolonged ischemia. *Transplant Proc.* 2004 Mar; 36(2):283-5
- 59. Bogetti D, Panaro F, Jarzemowski T, Sankary H, Benedetti E, **Testa G**. Hepatic venous outflow reconstruction in adult living donor transplants without portal hypotension. *Clinical Transplant*. 2004 Apr; 18(2):222-6
- 60. Bogetti D, Nazarewski S, Zielinski A, Sileri P, **Testa G**, Sankary H, Benedetti E. Perioperative treatment with octreotide minimizes technical complications after enteric conversion of bladder drained pancreas transplants. *Clinical Transplant* 2004 Apr; 18(2): 137-41
- Panaro F, Gauff G, Dong G, **Testa G**, Benedetti E. Hepatobiliary and Pancreatic: Multiple Biliary Hamartomas (von Meyenburg Complex). *J Gastroenterol Hepatol*. 2004 Apr; 19(4): 463
- 62. Panaro F, De Christopher P, Rondelli D, **Testa G**, Sankary H, Popescu M, Benedetti E. Severe haemolytic Aanemia due to passenger lymphocyte after living related small bowel transplantation *Clin Transpl* 2004; 18: 332-5
- 63. Popescu I, Malagó M, **Testa G**, Ciurea S, Stanescu C, Socoteanu I. Sequential therapy in a case of extrahepatic biliary atresia associated with ventricular septal defect: liver transplantation followed by surgical closure of the septal defect. *Rom J Gastroenterol*. 2004 Jun;13(2):125-8
- 64. Vester U, Kranz B, **Testa G**, Paul A, Broelsch CE, Hoyer PF. Medical and surgical aspects of pediatric renal transplantation using living donors. *Transplant Proc.* 2004 Jun;36(5):1308-10
- 65. Benedetti E, **Testa G**, Sankary H, Sileri P, Bogetti D, Jarzebowski T, Abcarian H. Successful treatment of trauma-induced short bowel syndrome with early living related bowel transplant. *J Trauma* 2004 Jul;57(1):164-70
- 66. Schena S, Bogetti D, Setty S, Kadkol S, Bruno A, **Testa G**, Panaro F, Benedetti E, Sankary H. Squamous cell carcinoma in a chronically rejected renal allograft. *Am J Transplant*. 2004 Jul;4(7):1208-11
- 67. Nadalin S, **Testa G**, Malagó M, Beste M, Frilling A, Schroeder T, Jochum C, Gerken G, Broelsch CE. Volumetric and functional recovery of the liver after right hepatectomy for living donation. *Liver Transpl.* 2004 Aug;10(8):1024-9
- 68. Valentin-Gamazo C, Malagó M, Karliova M, Lutz JT, Frilling A, Nadalin S, **Testa G**, Ruehm SG, Erim Y, Paul A, Lang H, Gerken G, Broelsch CE. Experience after the evaluation of 700 potential donors for living donor liver transplantation in a single center. *Liver Transpl.* 2004 Sep;10(9):1087-96
- 69. Dong GL, Sankray HN, Malagó M, Oberholzer J, Panaro F, Knight PS, Jarzembowski TM, Benedetti E, **Testa G**. Cadaver iliac vein outflow reconstruction in living donor right lobe liver transplantation. *J Amer Coll Surg* 2004 Sep;199(3):504-7
- 70. Jarzembowski T, John E, Panaro F, Heiliczer J, Kraft K, Bogetti D, **Testa G**, Sankary H, Benedetti E. Impact of non-compliance on outcome after pediatric kidney transplantation: an analysis in racial subgroups. *Pediatric Transplant*. 2004 Aug;8(4):367-71

- 71. Cotler SJ, Vitello JM, Guzman G, **Testa G**, Benedetti E, Layden TJ. Hepatic decompensation after gastric bypass surgery for severe obesity. *Dig Dis Sci.* 2004 Oct;49(10):1563-8
- 72. **Testa G,** Panaro F, Schena S, Holterman M, Abcarian H, Benedetti E. Living related small bowel transplantation: donor surgical technique. *Annals Surgery*. 2004 Nov;240(5):779-84
- 73. Talisetti A, Jelnin V, Ruiz C, John E, Benedetti E, **Testa G**, Holterman A, Holterman M. Electron beam CT is a valuable and safe imaging tool for the pediatric surgical patient. *J Ped Surg* 2004 (Dec); 39 (12): 1859-62
- 74. Jarzembowski T, John E, Panaro F, Mazelli A, Cabrera A, Greco A, Varga P, Sankary H, **Testa** G, Benedetti E. Reversal of Tacrolimus related hypertropic obstructive Cardiomyopathy 5 years after kidney transplant in a 6-year-old recipient. *Ped Transpl* 2005; 9: 117-21
- 75. Dong G, Panaro F, Bogetti D, Sammartino C, Rondelli D, Sankary H, **Testa G**, Benedetti E. Standard chronic immunosuppression after kidney transplantation for systemic lupus erythematosus eliminates recurrence of disease. *Clin Transplant* 2005; 19: 56-60
- 76. Knight P, Jarzembowski T, Benedetti E, **Testa G**. A model for graft allocation after intraoperative mortality of an intended living donor liver recipient. *Am J Transplant*. 2005 Jan;5(1):198
- 77. Rondelli D, Abbasian J, Arpinati M, Panaro F, Porubsky M, Manzelli A, Oberholzer J, Benedetti E, **Testa G**. Different reconstitution of peripheral blood lymphocytes and dendritic cells in liver and kidney transplant patients. *Transplant Proc.* 2005 Jan-Feb;37(1):49-50
- 78. Vasquez EM, Petrenko Y, Jacobsen V, Sifontis NM, **Testa G**, Sankary H, Benedetti E. An assessment of p-glycoprotein expression and activity in peripheral blood lymphocytes of transplant candidates. *Transplant Proc.* 2005 Jan-Feb;37(1):175-7
- 79. Bogetti D, Jarzemborski T, Sankary H, Manzelli A, Knight P, Thielke J, Chejfec G, Cotler S, Oberholzer J, **Testa G**, Benedetti E. Hepatic ischemia/reperfusion injury can be modulated with Thymoglobulin induction therapy. *Transplant Proc* 2005;37(1):404-6
- 80. Thielke J, DeChristopher PJ, Sankary H, Oberholzer J, **Testa G**, Benedetti E. Highly successful living donor kidney transplantation after conversion to negative of a previously positive flow-cytometry cross-match by pretransplant plasmapheresis. *Transplant Proc.* 2005;37(2):643-44
- Walczak D, Calvert D, Oberholzer J, **Testa G**, Sankary H, Benedetti E. Effect of race on the occurrence of post transplant diabetes in kidney transplant recipients treated with early steroid discontinuation. *Transplant Proc.* 2005 Mar;37(2):819-21
- 82. Pham K, Kraft K, Thielke J, Oberholzer J, Sankary H, **Testa G**, Benedetti E. Limited-dose dacluzumab versus basiliximab: A comparison of cost and efficacy in preventing acute rejection. *Transplant Proc.* 2005 Mar;37(2):899-902
- 83. Oberholzer J, Thielke J, Hatipoglu B, **Testa G**, Sankary HN, Benedetti E. Immediate conversion from Tacrolimus to Cyclosporine in the treatment of post-transplantation diabetes mellitus. *Transplant Proc.* 2005 Mar;37(2):999-1000
- 84. Jarzembowski T, Panaro F, Raofi V, Dong G, **Testa G**, Sankary H, Benedetti E. Long-term results of a prospective randomized trail comparing tacrolimus versus cyclosporine in African-American recipients of primary cadaver renal transplant. *Transpl Int* 2005; 18(4): 419-22

- 85. **Testa G**, Holterman M, John E, Kecskes S, Abcarian H, Benedetti E. Combined living donor liver/small bowel transplantation. *Transplantation* 2005; 79(10): 1401-04
- 86. Anderson-Shaw L, Schmidt ML, Elkin J, Chamberlin W, Benedetti E, **Testa G**. Evolution of a living donor liver transplantation advocacy program. *J Clinical Ethics* 2005; 16(1): 46-57
- 87. Oberholzer J, John E, Lumpaopong A, **Testa G**, Sankary H, Briars L, Kraft K, Knight P, Verghese P, Benedetti E. Early discontinuation of steroids is safe and effective in pediatric kidney transplant recipients. *Ped Transpl* 2005; 9(4): 456-463
- 88. **Testa G**, Bogetti D, Panaro F, Sankary H, Benedetti E. Delayed construction of the biliodigestive anastomosis in right living donor liver transplantation. *International Surgery* 2005;90(3):121-4
- 89. Jarzembowski T, Sankary H, Bogetti D, Manzelli A, Ong E, Oberholzer J, Benedetti E, Testa G. Living donor liver graft salvage after rupture of hepatic artery pseudoaneurysm. *International Surgery* 2005 Jul-Aug;90:121-124
- 90. Walczak DA, Calvert D, Jarzembowski TM, **Testa G**, Sankary HN, Thielke J, Oberholzer J, Benedetti E. Increased risk of post-transplant diabetes mellitus despite early steroid discontinuation in Hispanic kidney transplant recipients. *Clinical Transplant*. 2005; 19:527-31
- 91. Bogetti D, Sankary HN, Jarzembowski TM, Manzelli A, Knight PS, Thielke J, Chejfec G, Cotler S, Oberholzer J, **Testa G**, Benedetti E. Thymoglobulin induction protects liver allografts from ischemia-reperfusion injury. *Clinical Transplant* 2005; 19: 507-11
- 92. Marinov M, DiDomenico S, Mastrodomenico P, Jacobsen G, Sankary H, **Testa G**, Oberholzer J, Porubsky M, Benedetti E. Use of the splenic vessel for an ABO-incompatible renal transplant in a patient with thrombosis of the vena cava. *Am J Transplant* 2005; 5: 2336-37
- 93. Guzman G, Alagiozian-Angelavoa V, Layden J, Layden T, **Testa G**, Benedetti E, Kajdaczy-Balla A, Cotler SJ. P53 and Ki-67 expression in primary hepatocellular carcinoma and serum alpha fetoprotein as predictors of earlier recurrence in liver transplant patients. *Modern Pathology* 2005 Nov;18:1498-1503
- 94. Nadalin S, Malagó M, Valentin-Gamazo C, **Testa G**, Baba HA, Liu C, Fruhauf NR, Scahffer R, Gerken G, Frilling A, Broelsch CE. Preoperative donor liver biopsy for adult living donor liver transplantation: risks and benefits. *Liver Transplantation* 2005; 11(8): 980-986
- Planinsic RM, van der Meer J, **Testa G**, Grande L, Candela A, Porte RJ, Ghobrial RM, Isoniemi H, Schelde PB, Erhardtsen E, Klintmalm G, Emre S. Safety and efficacy of a single bolus administration of recombinant factor VIIa in liver transplantation due to chronic liver disease. *Liver Transplantation* 2005; 11(8): 895-900
- 96. Talisetti A, **Testa G**, Holterman M, John E, Kecskes S, Benedetti E. Successful treatment of posttransplant lymphoproliferative disorder with removal of small bowel graft and subsequent second bowel transplant. *J Pediatr Gastrenterol* 2005; 41(3):354-356
- 97. Avila J, Barbaro B, Gangemi A, Romagnoli T, Kuecle J, Hansen M, Shapiro J, **Testa G**, Sankary H, Benedetti E. Intra-ductal Glutamine administration reduces oxidative injury during human pancreatic islet isolation. *American Journal of Transplantation* 2005;5:2830-37

- Nadalin S., Malagó' M, **Testa G**., Schaffer R., Sotiropoulos G., Frilling A., Broelsch CE. "Hepar Divisum" (divided liver) as a rare donor complication after intraoperative mortality of the recipient of an intended living donor diver transplantation. *Liver Transplantation*, 2006 Mar;12(3):428-34
- 99. **Testa G**, Panaro F, Sankary H, Chejfec G, Mohanty S, Benedetti E, Layden T. Peliosis hepatis in a living related liver transplantation donor candidate. *Journal of Gastroenterology and Hepatology* 2006; 21(6):1075-7
- 100. Jochum C, Beste M, Penndorf V, Farahani MS, **Testa G**, Nadalin S, Malagó M, Broelsch CE, Gerken G. Quantitative liver function test in donors and recipients of living donor liver transplantation. *Liver Transplantation*. 2006 Apr;12(4):544-49
- 101. Beier UH, John E, Lumpaopong A, Co JG, Jelnin V, Benedetti E, **Testa G**, Bottke R, Sharon BL, Ruiz CE. Electron-beam CT as a diagnostic modality in pediatric nephrology and renal transplant surgery. *Pediatr Nephrol*. 2006 May;21(5):677-82.
- 102. **Testa G**, Panaro F, Sankary H, Chejfec G, Mohanty S, Benedetti E, Layden T. Peliosis hepatis in a living related liver transplantation donor candidate. *J. Gastroenterol Hepatol.* 2006 Jun;21(6)1075-7
- 103. Beier UH, John E, Lumpaopong A, Co JG, Jelnin V, Benedetti E, **Testa G**, Bottke R, Sharon BI, Ruiz CE. Electron-beam CT as a diagnostic modality in pediatric nephrology and renal transplant surgery. *Pediatric Nephrology* 2006;21: 677-682
- 104. Gorodner V, Horgan S, Galvani C, Manzelli A, Oberholzer J, Sankary H. **Testa G**, Benedetti E. Routine left robotic assisted laparoscopic donor nephrectomy is safe and effective regardless of the presence of vascular anomalies. *Transplant International*, 2006 19(8):636-40
- 105. Schena S, **Testa G**, Setty S, Abcarian H, Benedetti E. Successful identical-twin living donor small bowel transplant for necrotizing entero-vasculitis secondary to Churg-Strauss syndrome. *Transplant International*, 2006 Vol.19; 594-597
- 106. Porubsky M, **Testa G**, John E, Holterman M, Tsou M, Benedetti E. Pattern of growth after pediatric living donor small bowel transplantation. *Pediatr Transplant*. 2006 Sep;10(6):701-6
- 107. Benedetti E, Holterman M, Asolati M, Di Domenico S, Oberholzer J, Sankary H, Abcrian H, **Testa G**. Living related segmental bowel transplantation: from experimental to standardized procedure. *Ann Surg.* 2006 Nov;244(5):694-9
- Testa G, Malagó M, Porubsky M, Marinov M, Sankary S, Oberholzer J, Nadalin S, Benedetti E. Hilar early division of the hepatic duct in living donor right hepatectomy: the probe and clamp technique *Liver Transplantation*, 2006 Sep;12(9):1337-41
- 109. Lumpanopong A, Mathew A, John E, Jelnin V, Benedetti E, **Testa G**, Oberholzer J, Sankary H, Ruiz C. Early coronary calcification in children and young adults with end-stage renal disease. *Transplant Proc* 2007;39(1):37-9
- 110. Mohanty S, **Testa G**, LaBrecque D, Mitros F. Progressive multifocal leukoencephalopathy with peripheral demyelinating neuropathy in a liver transplant patient. *Gastroenterology and Hepatology* 2007;3(1):70-76

- 111. Walczak DA, Oberholzer J, Salehi P, Thielke J, Sankary H, Walczak DJ, **Testa G**, Kaplan B, Benedetti. Routine use of ureteral stents may not be indicated after kidney transplant. *Tx Med* 2007; 19:2-6
- 112. Asolati M, **Testa G**, Gangimi A, Sankary H, Oberholzer J, Benedetti E. 'Prope' tolerance in a non-compliant living related small bowel transplant recipient after severe rejection. *Transplantation*. 2007 Jan 15;83(1):77-9
- 113. Losanoff JE, Reichman TW, Garfinkel MR, **Testa G**, Millis JM. Component separation to salvage a renal allograft. *Transplantation*. 2007 Feb 15;83(3):366-7
- 114. Losanoff JE, Millis JM, Harland RC, **Testa G**. Hepato-Spleno-Mesenteric Trunk. *J Am Coll Surg*. 2007 Mar;204(3):511
- 115. **Testa G**, Losanoff JE, Gangemi A, Benedetti E. Excellent outcome using an alternative technique for arterial reconstruction in living-related liver transplant: sphenoid anastomosis. *Transpl Int.* 2007 Apr;20(4):392-4
- 116. Nadalin S, Biglarnia AR, **Testa G**, Koppara TR, Schaffer R, Johnson C, Toetsch M, Broelsch CE, Malagó M. Role and significance of plasma citrulline in the early phase after small bowel transplantation in pigs. *Transpl Int.* 2007 May;20(5):425-31
- 117. Venu M, Brown RD, Lepe R, Berkes J, Cotler SJ, Benedetti E, **Testa G**, Venu RP. Laboratory diagnosis and non-operative management of biliary complications in living Donor liver transplant patients. *J Clin Gastroenterol*. 2007 May-Jun:41(5):501-6
- 118. Horgan S, Galvani C, Gorodner MV, Jacobsen GR, Moser F, Manzelli A, Oberholzer J, Fisichella MP, Bogetti D, **Testa G**, Sankary HN, Benedetti E. Effect of robotic assistance on the "learning curve" for laparoscopic hand-assisted donor nephrectomy. *Surg Endosc.* 2007 Sep;21(9):1512-7
- 119. Losanoff JE, Vanha TG, **Testa G**, Ahmed EB, Millis JM. Endoscopic biliary stent migration to the iliopsoas muscle in a liver transplant recipient percutaneous removal. *Dig. Dis Sci.* 2007 Oct;52(10):2508-11.
- 120. Losanoff JE, Holder-Murray JM, Ahmed EB, Cochrane AB, **Testa G**, Millis JM. Minocycline toxicity requiring liver transplant. *Dig. Dis. Sci.* 2007 Nov;52(11):3242-4.
- 121. Raofi V, Beatty E, **Testa G**, Abcarian H, Oberholzer J, Sankary H, Grevious M, Benedetti E. Combined living-related segmental liver and bowel transplantation for megacystis-microcolon-intestinal hypoperistalsis syndrome. *J Pediatr Surg.* 2008 Feb;43(2):e9-e11.
- 122. **Testa G**, Holterman M, Abcarian H, Iqbal R, Benedetti E. Simultaneous or sequential combined living donor-intestine transplantation in children. *Transplantation*. 2008 Mar15;85(5):713-7
- 123. **Testa G**, Vidanovic V, Chejfec G, Gangemi A, Lqpal R, Porubsky M, Pham T, Benedetti E. Adult Living-Donor Liver Transplantation with ABO-Incompatible Grafts. *Transplantation*. 2008 Mar15;85(5):681-6.
- 124. Mezhir JJ, Song J, Piano G, **Testa G**, Raman J, Al-Ahmadie HA, Angelos P. Adrenocortical carcinoma invading the inferior vena cava: case report and literature review. *Endocr Pract*. 2008 Sep;14(6):721-5.

- 125. Porubsky M, Benedetti E, Gangemi A, Sankary H, Marinov M, Oberholzer J, **Testa G**. Reconstruction of two bile ducts in a cloaca fashion in living donor liver transplantation. *Int Surg.* 2008 Sep-Oct;93(5):284-7.
- 126. Muneer B, **Testa G**, Millis JM, Mohanty S. Entecavir therapy in a hepatitis B-related decompensated cirrhotic patient. *Southern Medical Journal*, 2008; Vol.101(11):1173-6.
- 127. **Testa G,** Alagiozian-Angelova V, Laricchia-Robbio L, Rondelli D, Chejfec G, Anthony T, Benedetti E. Unilateral ischemic preconditioning and heterologous preconditioning in living donor liver transplantation. *Clin Transplant* 2010 May-Jun;24(3):334-40. Epub 2009 Aug 27.
- 128. Grevious MA, Lqbal R, Raofi V, Beatty E, Oberholzer J. Cohen M, Abcarian H, **Testa G**, Benedetti E. Staged approach for abdominal wound closure following combined liver and intestinal transplantation from living donors in pediatric patients. *Pediatr Transplant*. 2009 Mar;13(2):177-81
- 129. Reichman TW, Anthony T, Millis JM, **Testa G**. Uncharacteristically early fatal intraperitoneal rupture of hepatocellular carcinoma following transarterial chemoembolization. *Dig Liver Dis*. 2009 Feb;41(2):175-6
- 130. Gangemi A, Tzvetanov IG, Beatty E, Oberholzer J, **Testa G**, Sankary HN, Kaplan B, Benedetti E. Lessons learned in pediatric small bowel and liver transplantation from living related donors. *Transplantation*. 2009 Apr 15;87(7):1027-30.
- 131. Roughton MC, Millis M, **Testa G,** Fichera A. Laparoscopic en bloc resection of locally advanced colon cancer with involvement of the liver, small bowel, omentum, and abdominal wall. *Surg Laparosc Endosc Percutan Tech.* 2009 Apr;19(2):e38-40.
- 132. Reichman TW, Marino SR, Milner J, Harland RC, Cochrane A, Millis JM, **Testa G**. Acute humoral rejection in an ABO compatible combined liver-kidney transplant-the kidney is not always protected. *Am J Transplant*. 2009 Aug;9(8):1957-60
- 133. Carson JG, Loor G, Millis MJ, **Testa G**, Piano G. Mesenteric auto-transplantation: An alternative technique for the re-operation and bypass of the superior mesenteric artery. *Ann Vasc Surg.* 2009 Nov-Dec;23(6):787.
- Testa G, Siegler M, Crowley-Matoka M, Angelos P. Elective Surgical Patients as Living Organ Donors: A Clinical and Ethical Innovation. *Am J Transplant*. 2009 Oct;9(10):2400-5.
- 135. **Testa G**, Angelos P. The transplant surgeon and transplant tourists: ethical and surgical issues. *Am J Bioeth*. 2010 Feb;10(2):12-3.
- 136. Frilling A, Malago M, **Testa G**, Schleyer E, Grabellus F, Kronenberger R, Li J, Broelsch CE. Liver transplantation for metastasized extragastrointestinal stromal tumor: a case report and an overview of literature. *Transplant Proc.* 2010 Nov;42(9):3843-8.
- 137. Reichman TW, Anthony T, **Testa G**. Treatment of extrahepatic portal hypertension following a whipple procedure with a Rex shunt: report of a case. *Surg Today*. 2011 Feb;41(2):292-6.
- 138. Chennat J, Azzam R, **Testa G**. Endoscopic treatment of pediatric living donor liver transplant biliary-enteric stricture with small-caliber guidewire and angioplasty balloon. *Pediatr Transplant*. 2011 May;15(3):344-6.

- 139. Ghafari JL, Bhati C, John E, Tzvetanov IG, **Testa G**, Jeon H, Oberholzer J, Benedetti E. Long-term follow-up in adult living donors for combined liver/bowel transplant in pediatric recipients: a single center experience. *Pediatr Transplant*. 2011 Jun;15(4):425-9.
- 140. Panaro F, Gallix B, Bouyabrine H, Ramos J, Addeo P, **Testa G**, Carabalona JP, Pageaux G, Domergue J, Navarro F. Liver transplantation and spontaneous neovascularization after arterial thrombosis: "the neovascularized liver." *Transpl Int.* 2011 Sep;24(9):949-57.
- 141. Carlisle EM, Angelos P, Siegler M, **Testa G**. Adult living-related liver donation for acute liver failure: is it ethically appropriate? *Clin Transplant*. 2011 Nov-Dec;25(6):813-20.
- 142. Lee AY, Wu T, Vannier MW, Testa G, Liauw SL. Unresectable Hepatocellular Carcinoma Due to Portal Venous Thrombosis: Focal Stereotactic Body Radiation Therapy Can Promote Resectability. *J Gastrointest Cancer*. 2012 Apr 11. [Epub ahead of print] PubMed PMID: 22492210.
- 143. **Testa G**, Carlisle E, Simmerling M, Angelos P. Living donation and cosmetic surgery: a double standard in medical ethics? *J Clin Ethics*. 2012 Summer;23(2):110-7.
- 144. Carlisle EM, **Testa G**. Adult to adult living related liver transplantation: where do we currently stand? *World J Gastroenterol*. 2012 Dec 14;18(46):6729-36.
- 145. McKenna GJ, Trotter JF, Klintmalm E, Ruiz R, Onaca N, **Testa G**, Saracino G, Levy MF, Goldstein RM, Klintmalm GB. Sirolimus and cardiovascular disease risk in liver transplantation. *Transplantation*. 2013 Jan 15;95(1):215-21.
- 146. Ragab A, Lopez-Soler RI, Oto A, **Testa G**. Correlation between 3D-MRCP and intraoperative findings in right liver donors. *Hepatobiliary Surg Nutr*. 2013 Feb;2(1):7-13.
- 147. Seal JB, Stern JR, VanHa T, Alverdy JC, **Testa G**. A catheter-based suture-free approach to bilioenteric anastomosis: A pilot study. *Surg Innov*, 2013 April;20(2):142-149.
- 148. Hafzalah M, Azzam R, **Testa G**, Hoehn KS. Improving the potential for organ donation in an inner city Muslim American community: The impact of a religious educational intervention. *Clin Transplant*. 2014 Feb;28(2):192-197.
- 22 Zarghouni M, Cura M, Kim PT, **Testa G**, Klintmalm GB. Segmental biliary duct N-butyl cyanoacrylate ablation in a transplant liver for a biliary leak after hepaticojejunostomy. *Liver Transpl.* 2014 Jun;20(6):739-41.
- 150. Kheradmand T, Anthony TL, Harland RC, **Testa G**, Hart J, Renz J, Te HS, Marino SR. Antibody-mediated rejection in ABO compatible husband to wife living donor liver transplant and review of the literature. *Hum Immunol*. 2014 Jun;75(6):578-83.
- 151. Laux AT, **Testa G**, Goldstein RM, Cavaness KM. The management of a complex bile duct injury after laparoscopic cholecystectomy. *Am Surg.* 2014; 80(6):E175-8.
- 152. Kim PT, Saracino G, Jennings L, Ramsay M, McKenna GJ, **Testa G**, Anthony TL, Onaca N, Ruiz RM, Goldstein RM, Levy MF, Klintmalm GB. Ratio of hepatic arterial flow to recipient body weight predicts biliary complications after deceased donor liver transplantation. *HPB* (Oxford). 2014 Jul 18. [Epub ahead of print] PubMed PMID: 25041738.

- 153. deSante J, Caplan A, Hippen B, **Testa G**, D Lantos J. Was Sarah Murnaghan treated justly? *Pediatrics*. 2014 Jul;134(1):155-62.
- **Testa G**. Ethical issues regarding related and nonrelated living organ donors. *World J Surg*. 2014 Jul;38(7):1658-63.
- 155. Kruel CR, Ruiz RM, Shiller SM, Anthony TL, Goldstein RM, Kim PT, Levy MF, McKenna GJ, Onaca N, **Testa G**, Klintmalm GB. Posttransplant lymphoproliferative disorder presenting as a small bowel obstruction in a patient with pancreas transplantation alone. *Proc (Bayl Univ Med Cent)*. 2014 Oct;27(4):346-8.
- **Testa G**, Siegler M. Increasing the supply of kidneys for transplantation by making living donors the preferred source of donor kidneys. *Medicine (Baltimore)*. 2014 Dec;93(29):e318.
- 157. Fernandez HT, Kim PT, Anthony TL, Hamman BL, Goldstein RM, **Testa G**. Inferior vena cava reconstruction for leiomyosarcoma of zone I-III requiring complete hepatectomy and bilateral nephrectomy with autotransplantation. *J Surg Oncol*. 2015 Dec;112(5):481-5.
- 158. **Testa G.** Overview of LDLT. *Hepatobiliary Surg Nutr.* 2016 Apr;5(2):90.
- 159. Kim PT, **Testa G**. Living donor liver transplantation in the USA. *Hepatobiliary Surg Nutr*. 2016 Apr;5(2):133-40.
- 160. Nadalin S, Capobianco I, Panaro F, Di Francesco F, Troisi R, Sainz-Barriga M, Muiesan P, Königsrainer A, **Testa G**. Living donor liver transplantation in Europe. *Hepatobiliary Surg Nutr*. 2016 Apr;5(2):159-75.
- 161. **Testa G**, Koon EC, Johannesson L. Living Donor Uterus Transplant and Surrogacy: Ethical Analysis According to the Principle of Equipoise. *Am J Transplant*. 2016 Oct 18. doi: 10.1111/ajt.14086. [Epub ahead of print] PubMed PMID: 27754594.

Presentations (abstracts):

- 1. Pelizzo MR, **Testa G**, et al. Thyroid cancer and hyperthyroidism: our experience. National Congress on the Hyperthyroidism, Montegrotto, Italy (September 29/30, 1989).
- 2. Pelizzo MR, **Testa G**, et al. Central venous catheterization related septic risk factors. Proceedings of International College of Surgeons; 16th European Federation Congress, Jerusalem, Israel (December 17, 1989).
- 3. Arenas R and **Testa G**. Cancer and ulcerative colitis: a clinicopathological review. 47th Annual Meeting of the Society of Surgical Oncology, Houston, TX (March 1994)
- 4. Gerhardt TC, Levy MF, Goldstein RM, Abbasoglu O, **Testa G**, Jeyarajah R, Husberg BS, Gonwa TA, Klintmalm GB. Employment/Volunteerism among adults undergoing liver transplantation for Laennec's cirrhosis. Liver Transplantation for Alcoholic Liver Disease, Bethesda, Maryland, December 1996. (poster presentation)
- 5. Gerhardt TC, Goldstein RM, Levy MF, Husberg BS, Abbasoglu O, **Testa G**, Jeyarajah R, Gonwa TA, Klintmalm GB. Alcohol use among patients transplanted for alcoholic cirrhosis. Liver Transplantation for Alcoholic Liver Disease, Bethesda, Maryland, December 1996. (poster presentation)
- 6. Levy MF, Gerhardt TC, Jennings L, Abbasoglu O, **Testa G**, Jeyarajah R, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Comparing quality of life following liver transplantation for Laennec's vs. non-Laennec's patients. Liver Transplantation for Alcoholic Liver Disease, Bethesda, Maryland, December 1996. (poster presentation)
- 7. **Testa G**, Goldstein R. Total hepatectomy and liver transplantation for hepatocellular carcinoma. A single center experience with 72 patients. Presented at the North Texas Chapter of the American College of Surgeons March 1997
- 8. Goldstein RM, **Testa G**. Surgical considerations in liver transplantation. Texas Surgical Society, Houston, TX, April 1997.
- 9. Sommerauer J, **Testa G**, Fioravanti V, Gee T, Andrews W. "A comparison of cyclosporine and tacrolimus based immunosuppression in pediatric liver transplantation." American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (oral presentation)
- 10. Gerhardt TC, Goldstein RM, Levy MF, Husberg BS, **Testa G**, Abbasoglu O, Jeyarajah R, Gonwa TA, Klintmalm GB. Alcohol use among patients transplanted for alcoholic cirrhosis. American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (poster presentation)
- 11. Crews KA, Levy MF, Jenevein B, Noel BL, Jeyarajah DR, **Testa G**, Abbasoglu O, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Neurologic death following liver transplantation. American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (poster presentation)
- 12. **Testa G**, Crippin J, Abbasoglu O, Goldstein RM, Husberg BS, Jeyarajah DR, Levy MF, Klintmalm GB. "Does recurrent autoimmune hepatitis after liver transplant have an impact on patient and graft survival?" American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (oral presentation)

- 13. Jeyarajah DR, Gonwa TA, McBride M, Abbasoglu O, Goldstein RM, Husberg BS, Levy MF, **Testa G**, Klintmalm GB. "Does preoperative creatinine (Scr) affect outcome after orthotopic liver transplantation (OLTx)?" American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (oral presentation)
- 14. Jeyarajah DR, Gonwa TA, McBride M, Abbasoglu O, Goldstein RM, Husberg BS, Levy MF, **Testa G**, Klintmalm GB. "Hepatorenal syndrome (HRS): Why are combined liver kidney transplants still being done?" American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (oral presentation)
- 15. Abbasoglu O, Levy MF, Brkic B, **Testa G**, Jeyarajah DR, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. "10 Years of liver transplantation: An evolving understanding of late graft loss." American Society of Transplant Physicians, 16th Annual Meeting, Chicago, IL, May 1997. (oral presentation)
- 16. **Testa G**, Goldstein RM, Abbasoglu O, Jeyarajah DR, Brooks BK, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. "Long-term outcome of patients transplanted with livers from hepatitis C positive donors." American Society of Transplant Surgeons, 23rd Annual Scientific Meeting, Chicago, IL, May 1997. (oral presentation)
- 17. Abbasoglu O, Levy MF, Jeyarajah DR, **Testa G**, Brkic BS, Jennings LW, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Does intraoperative hepatic artery flow predict post liver transplant arterial complications? American Society of Transplant Surgeons, 23rd Annual Scientific Meeting, Chicago, IL, May 1997. (poster presentation)
- 18. Goldstein RM, Baker J, **Testa G**, Jennings LW, Brooks BK, Levy MF, Orr D, Netto G, Husberg BS, Klintmalm GB. "Total hepatectomy and liver transplantation for hepatocellular carcinoma. A single center experience with 72 patients." American Society of Transplant Surgeons, 23rd Annual Scientific Meeting, Chicago, IL, May 1997. (oral presentation)
- 19. Jeyarajah DR, Netto GJ, Lee SP, Abbasoglu O, **Testa G**, GoldsteinRM, Husberg BS, Levy MF, Tillery GW, Gonwa TA, Crippin JS, Klintmalm GB. "Defining recurrent primary sclerosing cholangitis (PSC): Is chronic rejection part of the disease process?" Fourth Congress International Liver Transplantation Society, Seattle, WA, October 1997. (oral presentation)
- Testa G, R Goldstein, B Brkic, L Jennings, B Brooks, M Levy, B Husberg, G Klintmalm. Is there an effect of immunosuppression given during the first 6 months on recurrence of hepatitis C in patients who survive more than 2 years? International Congress on Immunosuppression, Orlando, FL, December 1997 (poster presentation)
- 21. Stroman D, **Testa G**, Goldstein RM. "Malignant biliary strictures and cholangiocarcinoma following routine laparoscopic cholecystectomy." North Texas Chapter of the American College of Surgeons, Dallas, TX, February 1998. (oral presentation)
- 22. **Testa G**, Gonwa TA, Husberg B, Goldstein RM, Levy MF, Brooks B, Klintmalm GB. Kidney transplantation after liver transplantation. A single center experience. American Society of Transplant Physicians, 17th Annual Meeting, Chicago, IL, May 1998. (poster presentation)
- 23. Brooks BK, Levy MF, **Testa G**, Obiekwe S, Jennings LW, Husberg BS, Goldstein RM, Gonwa TA, Klintmalm GB. Surviving posttransplant lymphoma in the liver transplant recipient: Cause for optimism? American Society of Transplant Surgeons, 24th Annual Scientific Meeting, Chicago, IL, May 1998. (poster presentation)

- 24. Hasse JM, **Testa G**, Gonwa TA, Jennings LW, Levy MF, Goldstein RM, Husberg BS, Klintmalm GB. Is pre-liver transplant obesity a risk factor for posttransplant metabolic complications? American Society of Transplant Surgeons, 24th Annual Scientific Meeting, Chicago, IL, May 1998. (poster presentation)
- 25. **Testa G**, Hasse JM, Jennings LW, Levy MF, Brkic B, Cook B, Obiekwe S, Husberg BS, Goldstein RM, Gonwa TA, Klintmalm GB. Morbid obesity is not an independent risk factor for liver transplantation. American Society of Transplant Surgeons, 24th Annual Scientific Meeting, Chicago, IL, May 1998. (poster presentation)
- 26. **Testa G**, Crippin J, Abbasoglu O, Goldstein RM, Husberg BS, Jeyarajah DR, Levy MF, Klintmalm GB. "Does recurrent autoimmune hepatitis after liver transplant have an impact on patient and graft survival?" The Transplantation Society, XVII World Congress, Montreal, July 1998 (poster presentation)
- 27. **Testa G**, Fioravanti V, Sommerauer J, Andrews W. Disseminated posttransplant lymphoproliferative disorder after pediatric liver transplantation: A ray of hope. 3rd International Congress Pediatric Transplantation, Boston, MA, July 1998. (poster presentation)
- 28. **Testa G**, Goldstein RM, Brooks BK, Levy MF, Husberg BS, Gonwa TA, Klintmalm GB. "Long-term outcome of patients transplanted with livers from hepatitis C positive donors." XVII World Congress, Montreal, Canada, July 1998. (oral presentation)
- 29. Levy MF, Crippin J, Sutton S, Weinstein J, **Testa G**, Obiekwe S, Goldstein RM, Husberg BS, Gonwa TA, Logan J, Klintmalm GB. "Successful transgenic porcine liver perfusion as a bridge to human liver transplantation." XVII World Congress, Montreal, Canada, July 1998. (oral presentation)
- 30. Abbasoglu O, Levy MF, Brkic B, **Testa G**, Obiekwe S, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. 10 Years of liver transplantation: An evolving understanding of late graft loss. The Transplantation Society, XVII World Congress, Montreal, July 1998. (poster presentation)
- 31. **Testa G**, Crippin J, Abbasoglu O, Goldstein RM, Husberg BS, Obiekwe S, Levy MF, Klintmalm GB. Does recurrent autoimmune hepatitis after liver transplant have an impact on patient and graft survival? The Transplantation Society, XVII World Congress, Montreal, July 1998. (poster presentation)
- 32. Brooks BK, Levy MF, **Testa G**, Obiekwe S, Jennings LW, Husberg BS, Goldstein RM, Gonwa TA, Klintmalm GB. Surviving posttransplant lymphoma in the liver transplant recipient: Cause for optimism? The Transplantation Society, XVII World Congress, Montreal, July 1998. (poster presentation)
- 33. Speidel, N., Fiedler, M., Lange, R., **Testa, G.,** Malagó, M., Broelsch, CE., Effective combination therapy with lamivudine and ganciclovir in recurrent HBV infection after liver transplantation American Society of Transplant Physicians 18th Annual Meeting, Chicago, IL, May 1999. (poster presentation)
- 34. Liedke, M., Frilling, A., **Testa, G.,** Malagó, M., Broelsch, CE. Chirurgische Therapie von Lebertumoren Gesundheitsmesse Essen, September 1999. (poster presentation)

- Liedke, M., Frilling, A., Malagó, M., Hertl, M., **Testa**, **G**., Broelsch, CE. "Therapie von Lebermetastasen neuroendokriner Tumore." 18. Arbeitstagung der CAEK, Berlin, 16.- 18. Okober 1999 (oral presentation)
- 36. Liedke, M., Hertl, M., **Testa**, **G**., Malagó, M., Frilling, A., Broelsch, CE. "Radio Interstitielle Thermoablation (RITA) von nicht kurativ rezesierbaren primären Lebermalignomen und metastasen." 24. Symposium Aktuelle Chirurgie", Berlin , 19.- 20.November 1999 (oral presentation)
- 37. **Testa**, **G**., Malagó, M., Broelsch, CE. "Living donor liver transplantation in Europe controversies in transplantation." Breckenridge, Colorado, 17-19th March 2000 (oral presentation)
- 38. Vester, U., Kranz, B., **Testa**, **G**., Malagó, M., Broelsch, CE., Hoyer, PF. "Basiliximab as induction therapy in paediatric renal transplantation: Single centre experience from Essen, Germany." IPTA, Venice, 23 25th August 2000 (oral presentation)
- 39. **Testa, G.**, Malagó, M., Bockhorn, M., Valentin-Gamazo, G., Janßen, H., Hertl, M., Broelsch, CE. "Living related and split transplantation: a successful way to overcome donor shortage." European Society Liver Disease, Rotterdam, May 2000 (oral presentation)
- 40. **Testa G**, Malagó M., Nadalin S, Valentin Gamazo C, Frilling A, Broelsch CE. "Living related liver transplantation for decompensated end-stage liver disease." AST Chicago, IL May 2001(oral presentation)
- 41. Malagó M., **Testa G.**, Lang H., Hertl M., Broelsch CE., Preliminary experience with right living donor liver transplantation from extended indications: new chance for neglected patients or waste of organs? AST, Chicago, May 2001 (poster presentation)
- 42. Malagó M., **Testa G.**, Valentin Gamazo C, Hertl M., Broelsch CE. Living donor liver transplantation: 68 Cases at the University of Essen. AST, Chicago, May 2001 (poster presentation)
- 43. Frilling A., Tecklenborg K., Sotiropoulos G., Malagó M., **Testa G**., Broelsch CE. "Einfluß von Lebermetastasen auf die prognose von patienten mit gastro-entero-pancreatischen neuroendokrinen tumoren." Osterreichischer Chirurgenkongress, Graz Juni 2001 (oral presentation)
- 44. Dereskewitz C, **Testa G**, Hertl M, Malagó M, Frilling A, Broelsch CE. "Radioinduzierte thermoablation (RITA). Alleinige therapieform und erweiterung der chirurgische resektabilität bei malignen lebertumoren." Osterreichischer Chirurgischekongress, Graz Juni 2001 (oral presentation)
- 45. Nadalin S, Malagó M, **Testa G**, Beste M, CE Broelsch. Volume increase and functional recovery in rest liver and graft after living donor liver transplantation in adults. AASLD, Dallas November 2001
- 46. **Testa G**, Malagó M, Nadalin S, Beste M, Ruehm, Gerken G, Broelsch CE. Correlation between Increase in Liver Volume and Liver Function after Living Donor Right Hepatectomy: Early Result. AASLD Dallas November 2001
- 47. Sileri P, Bogetti D, Mercado P, Rastellini C, **Testa G**, Gaddis P, Benedetti E, Cicalese L. Donor race influences outcome of liver transplantation. American Transplant Congress 2002-3rd Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, April 26-May 1, 2002 (poster presentation).

- 48. Malagó M, **Testa G**, Paul A, Lang H, Nadalin S, Valentin Gamazo C, Brolesch CE. Portal vein reconstruction in donors and recipients of right living donor liver transplantation World Congress of IHPBS, Tokyo, Japan April 2002
- 49. Malagó M, **Testa G**, Paul A, Lang H, Nadalin S, Valentin Gamazo C, Broelsch CE. Technique and results of right living donor hepatectomy, a new and demanding liver resection. World Congress of IHPBS, Tokyo, Japan April 2002
- 50. Zamhofer K, **Testa G,** Frilling A, Schoder T, Broelsch CE. Die Bedeutung der magnetresonanztomographie der gefasse in der praoperativen diagnostik von nierenlebenspendern. Deutsche Gesellschaft für Chirurgie 119 Kongress Berlin, May 2002
- 51. Vester U, Kranz B, **Testa G**, Paul A, Broelsch CE., Hoyer P.F. Medical and surgical aspect of pediatric renal transplantation in living donors. International Symposium on Living Donor Organ Transplantation. Essen Germany, June 2002
- 52. Nadalin S, **Testa G**, Treptow B, Malagó M, Broelsch CE. Abdominal organ transplantation from living donors; HTK-vs. UW- Solution in the perfusion of right living donor liver grafts; Gubbio, Italy, June, 2002
- 53. Jochum C, Beste M, Nadalin S, **Testa G**, Malagó M, Broelsch CE, Gerken G. Abdominal organ transplantation from living donors; IL-6, G-CSF, HGF and stem cells after living related liver transplantation; Gubio, Italy, June, 2002
- 54. Popescu I, Malagó M, **Testa G**, Ciurea S, Stanescu C, Socoteanu I, Tulbure D. Abdominal organ transplantation from living donors; sequential therapy in a case of extrahepatic biliary atresia associated with ventricular septal defect: liver transplantation followed by surgical closure of the septal defect, Gubbio, Italy, June, 2002
- 55. Thielke J, Mategrano VA, DeChristopher PJ, Walczak D, **Testa G**, Cicalese L, Benedetti E. Improved outcomes after plasmapheresis of highly sensitized recipients of renal allografts. XIX International Congress of the Transplantation Society, Miami, FL Aug. 25-30, 2002
- 56. Horgan S, Elli F, Berger R, Vanuno D, Sileri P, Bogetti D, Testa G, Cicalese L, Benedetti E. Application of robotic technology to live donor kidney procurement. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002
- 57. Mercado PR, Sileri P, Rastellini C, **Testa G**, Cicalese L, Benedetti E. Donor race impact on patient and graft survival in cadaveric kidney transplantation. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002 (poster presentation)
- 58. Sileri P, Bogetti DJ, Mercado PR, Rastellini C, **Testa G**, Gaddis P, Benedetti E. Orthotopic Liver transplantation outcome is influenced by donor race. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002 (poster presentation)
- 59. Elli F, Berger R, Sileri P, **Testa G**, Cicalese L, Benedetti E. Minimally invasive living related donor nephrectomy and anomalous renal vasculature. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002

- 60. Cabrera A, Benedetti E, **Testa** B, Greco A, Varga P, Thoele D, Cicalese L, Stohlmeyer L, John.EG Reversal of hypertrophic cardiomyopathy in a 13 year old child 6 years post renal transplantation. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002
- 61. John EG, Heiliczer JD, Cicalese L, Sileri P, **Testa G**, Bartholomew A, Benedetti E. Pediatric Renal transplant outcome in an urban university: effect of non-compliance and ethnicity. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002
- 62. Bogetti D, Sileri P, **Testa G**, Wiley T, Layden T, Cicalese L, Benedetti E. Spur cell anemia in secondary to alcoholic cirrhosis: cure by orthotopic liver transplantation and recurrence after liver graft failure. XIX International Congress of the Transplantation Society, Miami, FL Aug 25-30, 2002
- 63. Cabrera A, Benedetti E, **Testa G**, Greco A, Varga P, Thoele G, Cicalese L, Stohlmeyer L, John EG.. Reversal of hypertrophic cardiomyopathy in a 13 year old child 6 years post renal transplantation. ESPN September 2002
- 64. Cabrera A, Benedetti E, **Testa G**, Varga G, Thoele DG, Cicalese L, Stohlmeyer L, John EG. Reversal of hypertrophic cardiomyopathy in a 13 year old child 6 years post renal transplantation. Journal Of International Pediatric Nephrology, Bilbao Spain, September 2002
- 65. **Testa G**, Gambera M, Benedetti E, Panaro F, Cotler S, Cotler JS. The Opinions of 100 transplant surgeons on living donor liver transplantation. American Transplant Congress 2003-4th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, May 30-June 4, 2003
- 66. **Testa G**, Panaro F, Bogetti D, Jarzembowski T, Sankary H, Benedetti E. Delayed construction of bilio-digestive anastomosis in adult-to-adult living donor transplantation. American Transplant Congress 2003-4th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, May 30-June 4, 2003 (poster presentation)
- 67. Nadalin S, Malagó M, **Testa G**, Beste M, Jochum C, Penndorf V, Schroeder T, Gerken G, Borelsch CE. Kinetics of regeneration of liver volume and of liver function after right hemihepatectomy in living donors. American Transplant Congress 2003-4th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Washington, DC, May 30-June 4, 2003 (poster presentation)
- 68. Panaro F, Sankary H, Walczak D, **Testa G**, Benedetti E. Standard chronic immunosuppression after kidney transplant for systemic lupus erythematosus (SLE) eliminates recurrence of disease. 11th Congress of the European Society for Organ Transplantation, Venice, Italy, Sept. 2003.
- 69. **Testa G**, Benedetti E, Gambera M, Panaro F, Cotler S. The opinions of 100 transplant Surgeons on Living Donor Liver Transplantation: Results of a Survey. 11th Congress of the European Society for Organ Transplantation, Venice, Italy, Sept. 2003.
- 70. **Testa G**, Gambera M, Panaro F, Benedetti E, Cotler S. Critical teaching points for fellows training in living donor liver transplantation: the opinion of 100 transplant surgeons. 11th Congress of the European Society for Organ Transplantation, Venice, Italy, Sept. 2003.

- 71. Zielinski A, Nazarewski S, Walczak D, Panaro F, Raofi V, Bogetti D, Sankary H, **Testa G**, Benedetti E. Long term results of a prospective randomized trial comparing Tacrolimus (TAC) vs Cyclosporine (CSA) in African American (AA) recipients of primary cadaveric renal transplants (CRT). 11th Congress of the European Society for Organ Transplantation, Venice, Italy, Sept. 2003.
- Testa G, Morelli N, Holterman M, Panaro F, Sammartino C, Bogetti JD, Sankary H, Abcarian H, Benedetti E. Segmental living-related small bowel transplantation in children: a single center experience. VIII International Small Bowel Transplant Symposium, Miami Beach, Florida, September 10-13, 2003.
- 73. **Testa G**, Panaro F, Holterman M, Balakrishnan N, Sammartino C, Morelli N, Bogetti JD, Abcarian H, Benedetti E. Preoperative evaluation of the vascular anatomy in living-related small bowel transplant donors using 3-dimensional CT. VIII International Small Bowel Transplant Symposium, Miami Beach, Florida, September 10-13, 2003.
- 74. Benedetti E, **Testa G**, Holterman M, Bogetti D, Sankary H, Cohen M, Abcarian H. Segmental bowel transplantation from adult donor to 10.8 kg child with short bowel syndrome. American College of Surgeons 89th Annual Clinical Congress, McCormick Place Lakeside Center in Chicago, IL Oct. 19-23, 2003 (video session).
- 75. Sankary H, Thielke J, DeChristopher P, Kraft K, Bogetti D, Oberholzer J, **Testa G**, Benedetti E. Highly successful living donor kidney transplantation after conversion to negative of a previously positive flow-cytometry cross-match by pre-operative plasmapheresis. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004.
- 76. Horgan S, Jacobsen G, Manzelli A, Fisichella P, Harris J, Bogetti D, Berger R, Sankary H, **Testa G**, Benedetti E. Lessons learned in 100 robotic-assisted donor nephrectomies for kidney transplantations. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).
- 77. Setty S, Chejfec G, John E, **Testa G**, Benedetti E. A study of the changes in absorptive surface area of transplanted small bowel. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).
- 78. **Testa G**, Schena S, Panaro F, Holterman M, Abcarian H, Sankary H, Oberholzer J, Benedetti E. Standardized graft procurement technique for living related small bowel transplantation: Single Center Experience. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004.
- 79. Bogetti D, Sankary H, Chejfec G, Cotler S, **Testa G**, Benedetti E. Thymoglobulin (TG) induction protects liver allografts from ischemia/reperfusion injury (IRI). American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004.
- 80. Thielke J, Sankary H, **Testa G**, DeChristopher P, Kraft K, Benedetti E. Improved outcomes after plasmapheresis of highly sensitized recipients of renal allografts. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).

- Walczak D, Calvert D, Jarzembowski T, **Testa G**, Sankary H, Oberholzer J, Benedetti E. Increased risk of post-transplant diabetes mellitus despite early steroid withdrawal in Hispanic KTX recipients. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation)
- 82. Oberholzer J, John E, Lumpaopong A, Briars L, **Testa G**, Sankary H, Kraft K, Verghese P, Benedetti E. Steroid withdrawal five days after pediatric renal transplantation. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).
- 83. Sankary H, **Testa G**, Bogetti D, Oberholzer J, Benedetti E. A Simplified technique for hepatic venous outflow reconstruction in the right lobe donor with multiple hepatic veins shortens warm ischemia time and protects the allograft from injury. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).
- 84. Sileri P, Manzelli A, Bogetti D, Jarzembowki T, Sankary H, **Testa G**, Benedetti E. Recipient race and outcome after cadaveric liver transplantation. American Transplant Congress 2004-5th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Boston MA, May 15-19, 2004 (poster presentation).
- 85. Benedetti E, **Testa G**, Holterman M, John E, Abcarian H. Application of living-donor bowel transplantation to pediatric patients. Living-Donor Abdominal Organ Transplantation: State of the Art, 2nd International Conference, Taormina, Italy, July 25-7, 2004. (invited speaker)
- 86. Manzelli A, Jarzembowski M, Horgan S, Jacobsen G, Fisichella P, Harris J, Bogetti D, Berger R, Elli F, Sankary H, **Testa G**, Benedetti E. Abnormal vascular anatomy does not contraindicate routine procurement of the left kidney in robotic-assisted donor nephrectomy. Living-Donor Abdominal Organ Transplantation: State of the Art, 2nd International Conference, Taormina, Italy, July 25-7, 2004. (oral presentation)
- 87. Nadalin S, Valentin-Gamazo C, Malagó M, **Testa G**, Baba HA, Frilling A, Broelsch CE. Role of the liver biopsy in donor selection for adult LDLT. Living-Donor Abdominal Organ Transplantation: State of the Art, 2nd International Conference, Taormina, Italy, July 25-7, 2004. (oral presentation)
- 88. **Testa G**, Marinov M, Schena S, Cotler S, Sankary H, Oberholzer J, Benedetti E. Successful protocol for living-related liver transplantation across blood barrier. Living-Donor Abdominal Organ Transplantation: State of the Art, 2nd International Conference, Taormina, Italy, July 25-7, 2004 (oral presentation)
- 89. Nadalin S, **Testa G**, Malagó M, Beste M, Frilling A, Schroeder T, Jochum C, Gerken G, Broelsch CE. Functional recovery of the liver after right hepatectomy for LDLT. Living-Donor Abdominal Organ Transplantation: State of the Art, 2nd International Conference, Taormina, Italy, July 25-7, 2004 (poster presentation)
- 90. Benedetti E, Bogetti D, Sankary H, Chejfec G, Cotler S, **Testa G.** Can thymoglobulin (TG) induction protects liver allografts from ischemia/reperfusion injury (IRD)? XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.

- 91. Thielke J, Sankary H, DeChristopher P, Kraft K, Bogetti D, Oberholzer J, **Testa G**, Benedetti E. Expanding the donor pool: Successful kidney transplant in cross-match positive patients after plasmapheresis treatment. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 92. Vasquez EM, Sifontis N, Jacobssen V, **Testa G**, Sankary H, Benedetti E. Simvastatin for prevention of bone loss following renal transplantation. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 93. Thielke J, **Testa G**, Oberholzer J, Sankary J, Benedetti E. Immediate conversion from tacrolimus to cyclosporine in the treatment of post-transplant diabetes: Preliminary results. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 94. Thielke J, Sankary H, **Testa G**, DeChristopher P, Kraft K, Benedetti E. Plasmapheresis improves outcomes of highly sensitized renal allograft recipients. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 95. Benedetti E, Walczak D, Calvert D, Jarzembowski T, **Testa G**, Sankary H, Oberholzer J. Racial impact on the rate of post-transplant diabetes mellitus in steroid-free kidney transplant recipients. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 96. Vasquez EM, Petrenko Y, Mategrano V, Sifontis N, **Testa G**, Sankary H, Benedetti E. P-Glycoprotein expression and activity on T-lymphocytes of solid organ transplant recipients. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 97. Petrenko Y, Jacobssen V, Sifontis NM, Benedetti E, **Testa G**, Sankary H, Vasquez EM. An assessment of P-glycoprotein expression and activity in peripheral blood lymphocytes of transplant candidates. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 98. **Testa G,** Schena S, Bogetti D, Marinov M, Cotler S, Sankary HN, Oberholzer J, Benedetti E. Living donor transplantation across ABO incompatibility: preliminary results. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 99. Rondelli D, Abbasian J, Panaro F, Manzelli A, Vanmany S, Arpinati M, Benedetti E, **Testa G**. Different reconstitution of circulating lymphocytes and dendritic cells after allogeneic liver and kidney transplantation. XX International Congress of the Transplantation Society, Vienna, Austria, Sept. 5-10, 2004.
- 100. John E, Lumpaopong A, Kecskes S, Arteaga G, Testa G, Benedetti E. Renal function in rare living related small bowel transplantation in children. 45th Annual Meeting of the Midwest Society for Pediatrics Research, St. Louis, MO, October 14-5, 2004.
- Lumpaopong A, Verghese P, John E, Oberholzer J, Testa G, Sankary H, Giesen U, Benedetti E. Enhanced growth in early steroid discontinuation pediatric renal transplant recipients. American Society of Nephrology 37th Annual Meeting & Scientific Exposition, St. Louis, MO, October 27-November 1, 2004.

- 102. Porubsky M, Marinov M, Gangemi A, Sankary H, Oberholzer J, Benedetti E, **Testa G**. Early transaction of the hepatic duct and bile probe technique in living donor right hepatectomy. American Hepato-Pancreato-Biliary Association (AHPBA). Fort Lauderdale, FL, April 14-17, 2005.
- 103. **Testa G**, Porubsky M, Marinov M, John E, Gangemi A, Oberholzer J, Sankary H, Holterman M, Abcarian H, Benedetti, E. Living related donor bowel transplantation in pediatric patients as a strategy to reduce mortality on the waiting list. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 104. Guzman G, Basil IS, **Testa G**, Benedetti E, Balla AK, Cotler S. Is hTERT predictive of recurrence in hepatocellular carcinoma (HCC)? American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 105. Diaz A, Thielke J, Pham T, DeChristopher PJ, Oberholzer J, Sankary H, Testa G, Benedetti E. Successful kidney transplant in ABO Incompatible patients after plasmapheresis and thymoglobulin under a steroid avoidance protocol. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 106. Walczak DA, Calvert D, Thielke J, Pham T, Oberholzer J, Sankary H, **Testa G**, Benedetti E. Kidney transplant recipients treated with early steroid discontinuation can be safely maintained off steroids after treatment for rejection. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 107. Benedetti E, Marinov M, Porubsky M, Gangemi A, Sankary H, Oberholzer J, John E, Holterman M, Abcarian H, **Testa G**. Living related segmental small bowel transplantation: from experimental to standardized procedure. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplantation, Seattle, WA, May 21-25, 2005.
- Thielke J, Sankary H, Pham T, Oberholzer J, **Testa G**, Benedetti E. Steroid avoidance may not be safe in patients undergoing renal transplantation after negativization of flow-cytometry cross-match. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 109. Porubsky M, Marinov M, Gangemi A, Sankary H, Oberholzer J, Benedetti E, **Testa G.** Early transaction of the hepatic duct and bile probe technique in living donor right hepatectomy. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)
- 110. John E, Lumpaopang A, Oberholzer J, **Testa G**, Sankary H, Benedetti E. Superior outcomes in growth and renal function with early steroid discontinuation in pediatric kidney transplantation: 1 ½ years follow up. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (poster presentation)

- 111. Grim S, Pham T, Thielke J, Sankary H, Oberholzer J, **Testa G**, Benedetti E, Clark N. Infectious complications associated with the use of Rituximab for ABO-incompatible and positive crossmatch renal transplant recipients. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005. (mini oral)
- 112. Porubsky M, Jarzembowksi T, Gangemi A, Oberholzer J, Sankary H, Benedetti E, **Testa G**. Effect of unilateral ischemic preconditioning in living donor for liver transplantation. American Transplant Congress 2005-6th Joint Annual Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation, Seattle, WA, May 21-25, 2005.
- 113. Benedetti E, Porubsky M, Marinov M, John E, Gangemi A, Oberholzer J, Sankary H, Holterman M, Abcarian A, **Testa G**. Living related small bowel transplantation in pediatric patients as a strategy to reduce mortality on the waiting list. IXth International Small Bowel Transplantation Symposium. Brussels, Belgium, June 30 July 2, 2005. (oral presentation)
- 114. Benedetti E, Porubsky M, Marinov M, John E, Gangemi A, Oberholzer J, Sankary H, Holterman M, Abcarian H, **Testa G**. Living related segmental small bowel transplantation: a single center experience. IXth International Small Bowel Transplantation Symposium. Brussels, Belgium, June 30 July 2, 2005. (oral presentation)
- 115. Benedetti E, Porubsky M, Marinov M, John E, Gangemi A, Oberholzer J, Sankary H, Holterman M, Abcarian H, **Testa G**. Growth improvement after segmental living donor intestinal transplantation in children. IXth International Small Bowel Transplantation Symposium. Brussels, Belgium, June 30 July 2, 2005. (poster presentation)
- 116. Ali Resa B, Silvio N, Tobias S, Massimo M, **Testa G**, Toetsch B, Broelsch C. Citrulline as marker of early rejection after small bowel transplantation in pigs. IXth International Small Bowel Transplantation Symposium. Brussels, Belgium, June 30 July 2, 2005. (poster presentation)
- 117. Angelos P, **Testa** G, Grossman E, Desai T, Posner M. Improving the teaching of professionalism and ethics in surgery, November 20, 2008 (oral presentation)
- 118. DeBord-Smith A, Harland RC, **Testa G**, Gentry S. The Markov decision process can help maximize benefits in paired kidney donation. American Transplant Congress. May 2009 (oral presentation)
- 119. **Testa G,** Broelsch C, Fan S.T, Malagó M, Tanaka K, et al. 20th Anniversary First Pediatric Living Donor Liver Transplant in the U.S. "Donor Safety: how to care for the donor from evaluation to discharge to follow up." Oct 2009 (oral presentation)
- 120. Onaca N, McKenna GJ, **Testa G**, Ruiz RM, Campsen JP, Levy MF, Goldstein RM, Klintmalm GB. "Lower Incidence of Acute Cellular Rejection in Liver Transplant Recipients More Than 60 Years of Age Allows Minimization of Immunosuppression." American Transplant Congress, Boston, MA, June 2012 (poster presentation)
- 121. Paterno F, Trotter J, Asolati M, Onaca N, Ruiz R, McKenna G, Saeed I, Gupta V, Jennings L, **Testa G**, Klintmalm G. "Renal Outcomes after Liver Transplantation for Acute Liver Failure." American Transplant Congress, Boston, MA, June 2012 (poster presentation)

- 122. Asolati M, **Testa G**, Johnson N, Paterno F, Saeed M, Gupta V, Goldstein R, Klintmalm G. "The Financial Cost of Mandatory Data Reporting: A Non-Reimbursable Burden for Transplant Centers." American Transplant Congress, Boston, MA, June 2012 (poster presentation)
- 123. Onaca N., McKenna G.J., **Testa G.**, Ruiz R.M., Campsen J.P., Levy M.F., Goldstein R.M., Klintmalm G.B "Lower Incidence of Acute Cellular Rejection in Liver Transplant Recipients More than 60 Years of Age Allows Minimization of Immunosuppression." The Transplantation Society, Berlin, Germany, July 2012 (oral presentation)
- McKenna G.J., Trotter J., Ruiz R., Onaca N., **Testa G**., Levy M.F., Goldstein R.M., Klintmalm G.B. "Sirolimus and Cardiovascular Disease Risk in Liver Transplantation Much Ado About Nothing?" The Transplantation Society, Berlin, Germany, July 2012 (oral presentation)
- 125. **Testa, G**. "Living Donor Selection: Knowing When to Say No" ASTS 13th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2013 (oral presentation)
- 126. Gupta V, Onaca N, Saeed M, Dabous A, Asolati M, Ruiz R, Kim P, **Testa G**, Goldstein R, Klintmalm G. "Late Versus Early Biliary Complications after Liver Transplantation." American Transplant Congress, Seattle, WA, May 2013 (oral presentation)
- 127. Saeed M, **Testa G**, Ruiz R, Onaca N, Dabous A, Gupta V, Levy M, Goldstein R, Klintmalm G. "Survival after Late Hepatic Artery Thrombosis." American Transplant Congress, Seattle, WA, May 2013 (poster presentation)
- 128. McKenna G, Trotter J, Ruiz R, Onaca N, **Testa G**, Kim P, Anthony T, Goldstein R, Levy, M, Klintmalm G. "Sirolimus and HCV Fibrosis: Not All Regimens Are Created Equal." The International Liver Transplantation Society, 19th Annual International Congress, Sydney, Australia, June 2013 (poster presentation)
- 129. Saeed MI, **Testa G**, Ruiz R, Kim P, Gupta V, Dabous A, Anthony T, Saracino G, Levy MF, Goldstein RM, Klintmalm GB. "Hepatic Artery Thrombosis: Overall Incidence and Variables Affecting Outcome." The International Liver Transplantation Society, 19th Annual International Congress, Sydney, Australia, June 2013 (poster presentation)
- 130. Fernandez H, Kim P, Saracino G, Jennings L, Ramsay M, McKenna G, Anthony T, **Testa G**, Onaca N, Ruiz R, Goldstein R, Levy M, Klintmalm G. "Intra-Operative Hepatic Arterial Flow Predicts Hepatic Artery Complications after Deceased Donor Liver Transplantation." ASTS 14th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2014 (poster presentation)
- 131. Kim P, Saracino G, Jennings L, Ramsay M, McKenna G, **Testa G**, Anthony T, Onaca N, Ruiz R, Goldstein R, Levy M, Klintmalm G. "Hepatic Arterial Flow Predicts Biliary Complications and Survival in Liver Transplantation." ASTS 14th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2014 (poster presentation)
- 132. **Testa G**, Anthony T, Kim P, McKenna G, Ruiz R, Onaca N, Levy M, Goldstein R, Klintmalm G. "Living Donor Liver Transplant for HCC: A Proposal." ASTS 14th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2014 (poster presentation)
- 133. **Testa G**, Goldstein R, Kim P, Anthony T, McKenna G, Ruiz R, Onaca N, Levy M, Klintmalm G. "Living Donor Liver Transplantation for End-Stage Liver Disease." North Texas Chapter of the ACS. Dallas, TX February 2014 (oral presentation)

- 134. Onaca N, Kim P, McKenna G, **Testa G**, Ruiz R, Anthony T, Levy M, Goldstein R, Klintmalm G. "Renal Glomerular Filtration Rate at 1 Year Post Liver Transplantation: A Prognostic Indicator for Mortality." The 2014 Joint International Congress of ILTS, ELITA & LICAGE, London, UK, June 2014 (poster presentation)
- 135. **Testa G**, Trotter JF, Kim PTW, Anthony T, Ruiz R, Onaca N, McKenna G, Levy MF, Goldstein RM, Klintmalm GB. "Living Donor Liver Transplantation Is the Optimal Treatment Strategy for Patients with Hepatocellular Carcinoma and with Low MELD." The 2014 Joint International Congress of ILTS, ELITA & LICAGE, London, UK, June 2014 (poster presentation)
- 136. Fernandez H, **Testa G**, Dabous A, Goldstein R, Klintmalm G. "Hepatocellular Carcinoma Patient Extended Waiting Times for Liver Transplantation: Clinical and financial Implications." The 2014 Joint International Congress of ILTS, ELITA & LICAGE, London, UK, June 2014 (LB poster presentation)
- 137. Fernandez H, Deprisco G, Saracino G, Onaca N, Ruiz R, McKenna G, Levy M, Goldstein R, Klintmalm G, **Testa G**. "Liver Specific MRI as the Only Imaging and Steatosis Quantification Tool in Potential Liver Living Donors. An Evolution of Approach." 2014 World Transplant Congress, San Francisco, CA, July 26-31, 2014 (poster presentation)
- 138. Fernandez H, **Testa G**, Kim P, Onaca N, Ruiz R, McKenna G, Goldstein R, Levy M, Klintmalm G, Trotter J. "Variables Affecting Long Term Survival after Liver Transplantation." 2014 World Transplant Congress, San Francisco, CA, July 26-31, 2014 (poster presentation)
- 139. Onaca N, Kim P, McKenna G, **Testa G**, Ruiz R, Anthony T, Levy M, Goldstein R, Klintmalm G. "Impairment of Renal Function at One Year After Liver Transplantation Is a Prognostic Factor for Mortality." 2014 World Transplant Congress, San Francisco, CA, July 26-31, 2014 (poster presentation)
- 140. **Testa G**, Saracino G, Trotter JF, McKenna GJ, Ruiz R, Onaca N, Anthony T, Kim P, Levy MF, Goldstein RM, Klintmalm G. "Model to Predict Long-term Survival after Liver Transplantation." AASLD 65th Annual Meeting, Boston, MA, Nov 7-11, 2014 (poster presentation)
- 141. Kim P, Saracino G, Ramsay M, McKenna G, **Testa G**, Anthony T, Onaca N, Ruiz R, Goldstein R, Levy M, Klintmalm G. "Low Hepatic Artery Flow in the Absence of Hepatic Artery Complications Is Associated with Increased Biliary Strictures and Decreased Survival after Deceased Donor Liver Transplantation." ASTS 15th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2015 (poster presentation)
- 142. Fernandez H, Kim P, Anthony T, Onaca N, Ruiz R, McKenna G, Goldstein R, Levy M, **Testa** G, Klintmalm G. "Re-Establishing Life Expectancy in Advanced Age Patients through Liver Transplantation." ASTS 15th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2015 (poster presentation)
- 143. Kim P, Cox T, Monden K, Saracino G, Ruiz R, McKenna G, Anthony T, Onaca N, **Testa G**, Goldstein R, Levy M, Fleshman J, Moulton CA, Klintmalm G. "Multiorgan Procurement: A Valuable and Unique Educational Tool in General Surgery Residency Training." ASTS 15th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2015 (poster presentation)

- 144. Fernandez H, Kim P, McKenna G, Anthony T, Onaca N, Ruiz R, Goldstein R, Levy M, **Testa G**, Klintmalm G. "Triangulation of Venous Outflow in Right Living Liver Donor Liver Transplantation." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (poster presentation)
- 145. Fernandez H, DePrisco G, Kim P, McKenna G, Anthony T, Onaca N, Ruiz R, Levy M, Goldstein R, Klintmalm G, **Testa G**. "Liver Specific MRI as the Singular Preoperative Imaging Tool in Potential Living Liver Donors." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (poster presentation)
- 146. Fernandez H, Spak C, Kim P, Anthony T, Onaca N, Ruiz R, McKenna G, Levy M, Goldstein R, **Testa G**, Klintmalm G. "Impact of Hepatic Artery Thrombosis on Patient and Allograft Survival: Indication for Re-Transplantation." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (poster presentation)
- 147. Fernandez H, Kim P, McKenna G, Anthony T, Onaca N, Ruiz R, Levy M, Goldstein R, Klintmalm G, **Testa G**. "Living Donor Kidney Transplantation Needs a Different Ethical Framework." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (oral presentation)
- 148. Fernandez H, Kim P, McKenna G, Anthony T, Onaca N, Ruiz R, Levy M, Goldstein R, Klintmalm G, **Testa G**. "Enhancing Beneficence and Justice in Living Donor Organ Transplantation: Lifelong Medical Coverage for Living Donor." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (oral presentation)
- 149. Fernandez H, Kim PTW, Anthony T, Onaca N, Ruiz R, McKenna G, Goldstein R, Levy M, Klintmalm G, Niemann C, **Testa G**. "Comprehensive Computerized Living Liver Donor Evaluation to Increase Candidates Considered for Donation." 17th Congress of the European Society for Organ Transplantation (ESOT), Brussels, Belgium, September 2015 (full oral presentation)
- 150. Fernandez H, Saracino G, Ramsay M, McKenna G, Anthony T, **Testa G**, Onaca N, Ruiz R, Goldstein R, Levy M, Klintmalm G, Kim, P. "Intra-operative Hepatic Arterial Flow Predicts Hepatic Artery Complications after Deceased Donor Liver Transplantation." ASTS 16th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2016 (poster presentation)
- 151. Do T, Saracino G, Walberg M, Orr D, Meler J, Goldstein R, **Testa G**, Klintmalm G, Kim P. "Comparison of Outcomes between Doxorubicin Drug Eluting Bead (DEB) Embolization and Conventional Transarterial Chemoembolization (TACE) for Hepatocellular Carcinoma (HCC) Prior to Liver Transplantation." ASTS 16th Annual State of the Art Winter Symposium, Miami Beach, FL, January 2016 (poster presentation)
- 152. **Testa G**, Fernandez H, Hays S. "The Ethics of Shifting the U.S. Framework of Living Kidney Donation from Removing Disincentives to Adding Incentives." 4th ELPAT Congress, Rome, Italy, April 2016 (oral presentation)
- 153. **Testa G**, Johannesson L. "The Ethical Principle of Equipoise Applied to Uterus Transplantation." 4th ELPAT Congress, Rome, Italy, April 2016 (oral presentation)

- 154. Aroz SG, Tzvetanov I, Hetterman E, Hoonbae J, Spaggiari M, Oberholzer J, **Testa G**, John E, Benedetti E. "Living Related Small Bowel Transplantation in Children, a Single-Center Experience Growth, Development and Quality of Life 10 Years after Transplant." American Transplant Congress, Boston, MA, June 2016 (poster presentation)
- 155. Aroz SG, Tzvetanov I, Hetterman E, Hoonbae J, Spaggiari M, Oberholzer J, **Testa G**, John E, Benedetti E. "Living Related Small Bowel Transplantation in Children Patient and Graft Survival at 10 Years." American Transplant Congress, Boston, MA, June 2016 (poster presentation)
- 156. Bayer J, Goldstein R, McKenna G, **Testa G**, Ruiz R, Anthony T, Onaca N, Klintmalm G, Kim, P. "Multiorgan Procurement a Learning Tool in General Surgical Resident Education." American Transplant Congress, Boston, MA, June 2016 (poster presentation)
- 157. Gupta A, Anthony T, Goldstein R, McKenna G, Onaca N, Ruiz R, **Testa G**, Klintmalm G, Kim P. "Outcomes of Aorto-Hepatic Conduit during Liver Transplantation A 31-Year, Single Center Experience." American Transplant Congress, Boston, MA, June 2016 (poster presentation)
- 158. Fernandez H, **Testa G**, Klintmalm G, Kim P. "Intra-operative Hepatic Arterial Flow Predicts Hepatic Artery Complications after Deceased Donor Liver Transplantation." American Transplant Congress, Boston, MA, June 2016 (poster presentation)

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CURRENT POSITION

- Program Director- Cardiovascular Fellowship Program UNTHSC/Medical City Fort Worth
- Regional Director of Electrophysiology- HCA North Texas

EDUCATION

Cleveland Clinic, Ohio

Cardiac Electrophysiology Fellowship, July 2011 –June 2012

• Creighton University, Nebraska

Cardiology Fellowship, July 2007 - June 2010

• Creighton University, Nebraska

Internal Medicine Residency, July 2003 - June 2006

• Cleveland Clinic, Ohio

Echocardiography Research, March 2002- June 2003

• Government Kilpauk Medical College, India

MBBS, Medicine, August 1994 - March 2001

Auckland University of Technology, New Zealand

Basic Research, March 2001- December 2001

ACADEMIC FACULTY EXPERIENCE

 University of North Texas, Fort Worth, TX- Adjunct Assistant Professor of Medicine-UNTHSC Internal Medicine – July 2015- Current

• University of Texas Houston, Texas- Assistant Professor,

Cardiac Electrophysiology- July 2013-July 2014

Cleveland Clinic, Ohio- Clinical Faculty

Cardiac Electrophysiology, July 2012- June 2013

Case Western Reserve University- Academic Faculty- Clinical Instructor

Internal Medicine, July 2010-June 2011

Creighton University, Nebraska- Academic Clinical Instructor of Medicine

Cardiovascular Medicine, July 2009 - June 2010

Veterans Health Administration, Nebraska- Academic Faculty

Internal Medicine, July 2006 - June 2007

ADMINISTRATIVE EXPERIENCE

- University of North Texas, Fort Worth, TX- Program Director of Cardiology
 Cardiovascular Medicine Feb 2017- Current
- University of North Texas, Fort Worth, TX- Academic Core Faculty
 Internal Medicine July 2015- Current
- Cleveland Clinic, Ohio- Chief of Electrophysiology Fellows
 Cardiac Electrophysiology, July 2012- June 2013
- Creighton University, Nebraska- Chief of Cardiovascular Fellows
 Cardiovascular Medicine, July 2009 June 2010
- Veterans Health Administration, Nebraska- Chief of Internal Medicine Residents
 Internal Medicine, July 2006 June 2007

AWARDS AND HONORS

- Moderator for Mortality and Morbidity (M&M) conference, Cleveland Clinic 2012-2013
- Selected for Chief Electrophysiology Fellowship Cleveland Clinic 2012
- Alpha Omega Alpha (AOA) Honor Society Member since 2009
- Veterans Affairs (VAMC) Research Grant Recipient 2007
- Travel grant- Heart Rhythm Society 2009, AHA 2008
- Selected for Marguis Who's Who in America September 2010
- First Class in Medical School 2001

CERTIFICATION / LICENSURE

- ABIM Clinical Cardiac Electrophysiology Certification 2013-2023
- ABIM Cardiovascular Disease Board Certification 2010-2020
- SCCT Cardiac CT Board Certification 2011-2021
- ASNC Nuclear Cardiology Certification 2011-2021
- Permanent State Medical Licenses in Ohio, Texas

PUBLICATIONS

FIRST AUTHOR

• Impact of statin use on heart failure mortality.

Thambidorai SK, Deshmukh AR, Walters RW, Turner PD, Monaghan MS, Mooss AN, Hunter CB, Esterbrooks DJ, Mohiuddin SM.

International Journal of Cardiology. 2011 Mar 17;147(3):438-43. Epub 2010 Oct 23.

Acute eosinophilic myocarditis mimicking myocardial infarction.
 Thambidorai SK, Korlakunta HL, Arouni AJ, Hunter WJ, Holmberg MJ.
 Texas Heart Institute Journal. 2009;36(4):355-7.

• Hydroxymethylglutaryl Coenzyme-A inhibitors (Statins) and Atrial Fibrillation: Systematic Review and Meta-analysis.

Thambidorai SK, Anand K, Hee T, Mooss AN, Esterbrooks D, Mohiuddin SM. **Internet Journal of Cardiology** 2008

 Association of Atheroma as assessed by Intra-operative Transesophageal Echocardiography with Long-Term Mortality in Patients Undergoing Cardiac Surgery. Thambidorai SK, Shah TK, Klein AL, Stewart WJ, Lauer MS.

European Heart Journal 2007 Jun;28(12):1454-61

- Incremental Value of Transesophageal Echocardiography in Prediction of Thrombus/Embolism in Patients with Atrial Fibrillation Undergoing Cardioversion: The ACUTE Clinical Trial, Thambidorai SK, Parakh K, Jasper SE, Apperson-Hansen C, Grimm R, Klein AL, American Journal of Cardiology 2005;96:935-941
- Furosemide-induced recurrent syncope in myxedema
 Thambidorai SK, Sankarapandian BM, Bandara M, Korlakunta HL, Denney SD, Khan IA.

 International Journal of Cardiology 2005 Jun 22;102(1):157.
- C- Reactive Protein is Associated with Transesophageal Echocardiographic Markers of Thromboembolic Risk in Atrial Fibrillation,

Thambidorai SK, Parakh K, Murray RD, Jasper SE, Van Wagoner DR, Martin DO Chung MK, Klein AL

American Journal of Cardiology 2004 Sep 15;94(6):805-7

CO-AUTHOR

• Thoracic aortic pseudoaneurysm following noncardiovascular surgery: a rare complication that can mimic common chest emergencies.

Alla VM, Suryanarayana PG, Thambidorai SK.

Southern Medical Journal. 2010 Nov;103(11):1186-8.

C-Reactive Protein and the Risk of Atrial Fibrillation: A Systematic Review and Meta-Analysis.
 Alla V, Thambidorai S, Anand K, Mooss AN, Baltaro R, Mohiuddin SM
 Journal of Atrial Fibrillation. 2010;1(10):1-10.

- Comprehensive left atrial appendage optimization of thrombus using surface echocardiography: the CLOTS multicenter pilot trial.
 - Sallach JA, Puwanant S, Drinko JK, Jaffer S, Donal E, Thambidorai SK, Asher CR, Jaber WA, Stoddard MF, Zoghbi WA, Weissmann NJ, Mulvagh SL, Malouf JF, Jasper SE, Borowski AG, Apperson-Hansen C, Lieber EA, Li J, Klein AL.
 - **Journal of American Society of Echocardiography.** 2009 Oct;22(10):1165-72. Epub 2009 Jul 31.
- Transient midventricular ballooning: a case report and review of the literature.
 Abuzetun JY, Thambidorai SK, Hazin R, Suker M, Hunter CB.
 Cases Journal. 2008 Dec 30;1(1):431.
- Transient left ventricular apical ballooning: a novel heart syndrome. Korlakunta HL, Thambidorai SK, Denney SD, Khan IA.
 International Journal of Cardiology 2005 Jul 10;102(2):351-3
- Constrictive Pericarditis: Etiology and cause-specific survival: A 23-year experience Bertog S, Thambidorai SK, Parakh K, Murray RD, Houghtaling P, Lauer MS, Blackstone EH, Lytle B, Klein AL
 - **Journal of American College of Cardiology** 2004 Apr 21;43(8):1445-52.

BOOK CONTRIBUTION

• **Contributing Author -** Cardiovascular Imaging Review by Dr.Nancy Koster. Publisher- Elsevier. Release Date- July 26 2011. **ISBN**: 978-1-4160-6250-9

PRESENTATIONS AT SCIENTIFIC MEETINGS

American Heart Association (AHA) Scientific Sessions November 2002 - Abstracts

- 1. Left Atrial and Atrial Appendage Viscid Spontaneous Echo Contrast by Transesophageal Echocardiography: Clinical and Prognostic significance- Thambidorai SK, Parakh K, Ozduran V, Swadi O, Murray RD, Jasper SE, Klein AL, Publication Date: 11 / 2002, Volume: 106, 19, Pages: II-706 (ORAL PRESENTATION)
- C reactive protein is associated with Transesophageal echocardiography markers of Thromboembolic risk in patients with Atrial Fibrillation - Parakh K, Murray RD, Thambidorai SK, Van Wagoner DR, Klein AL, Chung MK,, Publication Date: 11 / 2002, Volume: 106, 19, Pages: II-560
- 3. Aortic atheroma correlates with Left Atrial Thrombus and Spontaneous Echo Contrast: A 7 year study of 6872 patients -Thambidorai SK, Murray RD, Parakh, K, Jaber W, Klein AL, Publication Date: 11 / 2002, Volume: 106, 19, Pages: II-559

American College of Cardiology (ACC) Scientific Sessions March 2003- Abstract

1. Utility of BNP in Primary Diastolic Dysfunction: A quantitative comparison with Doppler Echocardiographic indices- Thambidorai SK, Troughton RW, Parakh K, Tang WHW, Francis GS, Klein AL, Publication Date: 03 / 2003, Volume: Volume 41, Issue 6, Pages: 173

American Society of Echocardiography (ASEC) Scientific Sessions June 2003- Abstract

 Left atrial thrombus and aortic atheroma diagnosed by Transesophageal echocardiography correlates with elevated C-reactive protein in Atrial Fibrillation - Thambidorai SK, Klein AL., Publication Date: 06 / 2003

American College of Physicians (ACP) Scientific Sessions (Nebraska) 2003- Abstract

1. Peptostreptococcus endocarditis in a patient undergoing dental extraction with underlying valvular heart disease- Thambidorai SK, Ricardo-Dukelow M, Bittner M, Publication Date: 10 / 2003

American Society of Echocardiography (ASEC) Scientific Sessions June 2004- Abstract

- Association of Atheroma as assessed by Intra-operative Transesophageal Echocardiography with Long-Term Mortality in Patients Undergoing Cardiac Surgery Thambidorai SK,Shah TK, Stewart WJ, Klein AL, Lauer MS
- 3. Transthoracic Tissue Doppler Imaging of the Left Atrial Appendage predicts Thrombus and Severity of Spontaneous echocontrast on Transesophageal Echocardiogram -Sallach J, Thambidorai SK, Jasper S, Klein AL and CLOTS investigators, Publication Date: 06 / 2004

American College of Physicians (ACP) Scientific Sessions (Nebraska) Nov 2004

- 1. Unexplained Exertional Dyspnea explained by Chronic Thromboembolic Pulmonary Hypertension-Thambidorai SK, Schlueter W, Publication Date: 10 / 2004
- 2. Rare Presentation of Atrial Flutter with 1:1 conduction-Pasupuleti S, Sankar B, Thambidorai SK, Publication Date: 10 / 2004
- 3. Sarcoidosis a diagnosis of exclusion -Gudavalli R, Thambidorai SK, Sakowski H, Publication Date: 10 / 2004

American Society of Echocardiography (ASEC) Scientific Sessions June 2005- Abstract

- 1. Carotid atherosclerosis, Aortic atheroma and Left Atrial Thrombus- Association and Effect on Embolic Stroke.- Lakkireddy D, Shen X, Li H, Thambidorai SK, Cloutier D, Holmberg MJ, Mooss AM. Mohiuddin SM. Publication Date: 11 / 2004
- 2. The incidence of embolic stroke in patients with left atrial thrombus and/or thoracic aortic plaques assessed by transesophageal echocardiography, Thambidorai SK, Shen X, Nair CK, Li H, Cloutier D, Holmberg MJ, Mooss AN, Mohiuddin SM, Publication Date: 06 / 2005

Society of General Internal Medicine (SGIM) Sep 2005- Abstracts

1. Erythema Multiforme associated with Cranial Irradiation and Phenytoin.- Thambidorai SK, Gudavalli R, Sankar B, Slattery T, Derby J, Publication Date: 04 / 2005, Volume: 20, Pages: 241

Senthil K Thambidorai, M.D., F.H.R.S

2. Splenic Abscess- Rare Presentation of Salmonella species.- Gudavalli R, Thambidorai SK, Sankar B, Sakowski H, Publication Date: 09 / 2005

Chest Oct 2005- Abstract

 Does Aortic Atherosclerotic Plaque Severity Correlate With Embolic Events?- Nair CK, Shen X, Li H, Lakkireddy D, Thambidorai SK, Cloutier D, Holmberg MJ, Mooss A, Mohiuddin SM, Publication Date: 09 / 2005

Rhythm Congress 2007- Abstract

1. Hydroxymethylglutaryl Coenzyme inhibitors (Statins) and atrial fibrillation: Systematic review and Meta-analysis- Thambidorai SK, Anand K, Hee T, Mooss AN, Mohiuddin SM.

American Society of Echocardiography (ASEC) Scientific Sessions June 2007- Abstract

1. Progression of aortic atheroma is associated with persistence of atrial fibrillation.- Thambidorai SK, Jagadesh SJ, Cloutier D, Shen X, Mooss AN, Mohiuddin SM.

Society of General Internal Medicine (SGIM) Sep 2007- Abstract

1. Allopurinol Hypersensitivity syndrome – Pureti C, Thambidorai SK.

American Heart Association, Nov 2008- Abstract

 Utility of Statins in Heart failure: Analysis of 10210 patients- Thambidorai SK, Deshmukh A, Walter R, Turner P, Hunter CB, Mooss AN, Esterbrooks D, Mohiuddin SM. (ORAL PRESENTATION)

Cardiac Electrophysiological Society (CES-AHA) Sept 2009- Abstract

 Implantable Cardiac Devices in the Elderly- How Risky is it?- Thambidorai SK, Kaushik M, Chen A, Kadri N

American College of Physicians- Nebraska October 2009- Abstract

1. Complications of Implantable Cardiac Devices- Can we Identify high-risk patients?-Kaushik M, Thambidorai SK, Chen A, Kadri N

American College of Cardiology- March 2010- Abstract

 Complications of Implanting Implantable Cardioverter-Defibrillator on the Same Day of Electrophysiology Study Madhu Reddy, Senthil Thambidorai, Manu Kaushik, Suman Pasupuleti, Mahesh Alla, Kelly Airey, Nazih Kadri

Heart Rhythm Society - May 2012 - Abstract

- 1. Impact of Cardiac Resynchronization therapy on Atrial Fibrillation: ALTITUDE Remote Monitoring study. Senthil Thambidorai, Yong Mei-Cha, Niraj Varma
- Azygos Vein Catheter mapping during Atrial Fibrillation ablation. Senthil Thambidorai, Niraj Varma

CURRICULUM VITAE

Rashmi Verma, MD

Email: rashmikverma@hotmail.com

Phone: 6052124222

Home address: 3336 Denali Drive, Irving, TX 75063

Past position/Address: Chief fellow

Department of Hematology& Oncology, Texas Tech University and Health Sciences Center, Lubbock, TX.

Year: 2013-2016

Visa status: Permanent resident.

Education:

M.B.B.S (Bachelor of Medicine and Bachelor of Surgery), University College of Medical Sciences & Associated Hospitals, University of Delhi, India.

D.G.O. (Diploma in Obstetrics and Gynecology Safdarjung Hospital, University of Delhi, India.

Residency Internal Medicine:

PGY1 and PGY2-University of South Dakota and VA Hospital, Sioux Falls, SD (2009-2011) PGY3 -UMDNJ and Cooper University Hospital, NJ (2011-2012)

Fellowship:

Hematology & Oncology, Texas Tech University, Lubbock, TX (2013-2016) Board Certified Hematology 2016 and Oncology 2016

Current Position:

Attending physician at Center for Cancer and Blood disorder. Fort Worth

Board Certifications:

Internal medicine board certified (2012)
Hematology and Oncology board certified (2016)

Other Certifications:

ACLS and BLS (current)

License:

Texas State License(active) along with DPS and DEA

Membership:

ASCO (American Society of Clinical Oncology)
ASH (American Society of Hematology)
ACP (American College of Physicians)
Texas Society of Clinical Oncology

Work Experience:

Junior Residency department of Medicine, G.T.B Hospital, University of Delhi, India Senior residency department of Obstetrics and Gynecology University of Delhi, India Internal Medicine Hospitalist Cooper University and UMDNJ Hospital, New Jersey 2012-2013

Poster/Abstract Presentations:

- **1. AACR** (American Association of Cancer Research) 2011 annual meeting. Functional role of MUC13 (mucin) in colon cancer progression, poster presented at **AACR**, **2011**
- 2. **Texas Clinical Society San Antonio Sept. 2014,** Galectin -3 Therapy Ovarian Cancer Galectin 3C Inhibits Tumor Growth and Increases the Anticancer Activity of Taxol *in vitro* Murine Model of Ovarian Cancer
- 4. ASCO Abstracts 2014 presentations:
- 1. Effect of galectin-3 inhibition on drug resistance, motility, invasion, and angiogenic potential in ovarian cancer. Abstract No: e22005 | **First Author:** Rashmi Verma
- 2. Cancer testis antigens: Potential new targets for lung cancer. Abstract No: e19151 | co-Author
- 3. Effect of the novel galectin-3 blocker, Gal3M, on the efficacy and reduction of toxicity of proteosome inhibitors for the treatment of multiple myeloma. Abstract No: e19581 co-author
- 3. Abstracts SSCI(Southern Society of Clinical Investigation)-Oct 2014

Orbital pseudo tumor and its management

Inflammatory fibromyoblastic tumor a rare presentation

Splenules as masquerader of metastatic disease

T-cell Prolymphocytic Leukemia presenting as Skin Rash

Newer drugs, better treatment options come with a price-cardiotoxicity with pertuzumab and trastuzumab

Abstracts SSCI 2016

BMJ JOURNALS/Journal of Investigative Medicine, Southern Regional Meeting, 2016

http://jim.bmj.com/content/64/2/488.3#sec-54

Abstract 537

Can elevated coagulation factor VIII cause thrombosis

Abstract 538

Publications Peer Review Journals:

- 1. Effect of galectin-3 inhibition on drug resistance, motility, invasion, and angiogenic potential in ovarian cancer, Verma R., Riaz J., et alJournal of Clinical Oncology 2014 32:15 SUPPL. 1
- 2. Effect of the novel galectin-3 blocker, Gal3M, on the efficacy and reduction of toxicity of proteosome inhibitors for the treatment of multiple myeloma Riaz J., Verma R., Mirandola L et al Journal of Clinical Oncology 2014 32:15 SUPPL. 1
- 3. Cancer testis antigens: Potential new targets for lung cancer MirandolaL., RiazJ., VermaR et al Journal of Clinical Oncology 2014 32:15 SUPPL. 1
- 4.MUC13 expression enhances colon cancer progression Gupta B.K., Maher D.M., Ebeling M., Verma R., et al. Cancer Research 2011 71:8 SUPPL. 1
- 5. Nuclear Export as a Novel Therapeutic Target: The CRM1 Connection . Current Cancer Drug Targets, 2015; 15(7):575-92.
- 6. Sex-driven differences in immunological responses: challenges and opportunities for the immunotherapies of the third millennium.

 Mirandola L., Wade R., Verma R. et al
 Int Rev Immunol. 2015 Mar;34(2):134-42

7.International Reviews of Immunology: co-author: The Role of Human Papilloma Virus (HPV) Infection in Non- Anogenital cancer and the Promise of Immunotherapy: A RevIEW. Cobos E, Figueroa J, Mirandola L, Colombo M, Summers G, Figueroa A, Aulakh A, Konala V, Verma R International Reviews of Immunology, Volume 33, Issue 5, 2014

BOOK CHAPTER

Biosimilars of Monoclonal Antibodies: A Practical Guide to Manufacturing and Preclinical and Clinical Development

Therapeutic Monoclonal antibodies and their targets

Co-author. Published Online: 1 DEC 2016, DOI: 10.1002/9781118940648.ch4

Publications Case reports:

1. Case report-

Primary cutaneous mantle cell lymphoma with blastic features: report of a rare case with special reference to staging and effectiveness of chemotherapy. Lynch DW, Verma R, Larson E et al

J Cutan Pathol. 2012 Apr;39(4):449

2. Case report-

Finding Uses for Thalidomide in a New Era of Medicine, Soape M., Verma R., Payne D, Case Reports in Gastrointestinal Medicine, vol. 2015, Article ID 326795

3. Newer drugs, better treatment options come with a price Mazek H., Verma R., Mohamed A., Ali E., Figueroa J. Journal of Investigative Medicine 2015 63:2 (341-)

Cardiac toxicity with monoclonal antibodies therapy,
 Mazek H,Verma R, etal
 The Southwest Respiratory and Critical Care Chronicles 2015;3(11)

5. Splenules as masquerader of metastatic disease Mazek H., Verma R., Cobos E.et al Journal of Investigative Medicine 2015 63:2 (340-341)

6.Fibromyoblastic tumor

Klomjit S., Verma R., Hosiriluck N., Mohamed A., Cobos E. Journal of Investigative Medicine 2015 63:2 (371)

7. T-cell Prolymphocytic Leukemia presenting as Skin Rash Payne J., Verma R., Hardwicke F., Cobos E. Journal of Investigative Medicine 2015

8.Is it really malignancy? A case of chronic pancreatitis with vitamin D deficiency masquerading as malignancy

Mohamed A., Verma R., Mazek H., Tijani L., Rakvit A. Journal of Investigative Medicine 2015 63:2 (342-)

9. Orbital pseudotumor

HosiriluckN., KlomjitS., VermaR., D'CunhaN., CobosE. Journal of Investigative Medicine2015 63:2 (378-)

National Sex and Gender Medicine Slide Library for Medical students-sponsored by Office of Dean of school of Medicine and Laura W.Bush Institute for Women's Health, Texas Tech University. Project launced by Dr. Marjorie R Jenkins working at **NIH**

Slides are on http://www.sexandgenderhealth.org or www.texastechsgbm.org

Breast Cancer & sex and gender based medicine
Lung Cancer &sex and gender based medicine
Lymphoma & sex and gender based medicine, submitted for peer review
Acute Leukemia & sex and gender based medicine, submitted for peer review

Honors and Awards:

- 1. Elected as student representative consecutively for 3 years in Medical School.
- 2. Award for best patient care in Internship.
- 3. Indian Council of Medical Research- awarded for research of the year in the department of Physiology 2nd year of Medical School.
- 4. Awarded as best volunteer in Indian NGO during Internship.
- 5. I actively represented in Indian Medical Association, Delhi chapter. Facilitated workshops and arranged training programs.

Special Skills:

Knows languages English, Hindi, Punjabi, and Urdu. Efficient in EMR skills.

Interests:

Traveling, cooking, learning different cultures.

Kimberly LaToya Washington, M.D., F.A.C.S.

Address: 2225 Canton Street #133

Dallas, TX 75201

Phone Number: (817) 296-6602

Email: washington.k@att.net

Education:

University of Tennessee Health Science Center, Memphis, Tennessee Degree: Doctor of Medicine, Dates of Attendance: 8/2005-5/2009

Northeastern University, Boston, Massachusetts

Degree: Bachelor of Science in Biochemistry, Dates of Attendance 9/2001-1/2005

Postgraduate Training:

University of Tennessee Health Sciences Center, Memphis, Tennessee Department of General Surgery - Internship and Residency Date of Attendance 7/2009-6/2014

Board Certification:

American Board of Surgery, General Surgery, 2015

Licensure:

Texas Medical Board, P9131, Obtained 2/2014, Expires October 2018

Work/Volunteer Experience:

General Surgeon

Highlander Surgical Associates, Arlington, Texas

Facilities: Medical City Arlington, Trinity Park Surgery Center, Arlington Memorial Hospital, Methodist

Mansfield Hospital, Baylor Surgicare Mansfield, Baylor Hospital at Irving

Dates of Employment: 8/2014-current

Surgical Resident Volunteer Tenwek Hospital, Tenwek, Kenya Dates of Service: 5/2013-6/2013

Surgical Resident Volunteer Clinica Ezell, Montellano, Guatemala

Dates of Service: 06/2011

Surgical Resident Volunteer Hospital Diospi Suyana, Curahuasi, Peru

Dates of Service: 4/2011

Medical Student Volunteer

Sewa Bhawan Hospital, Jagdishpur, India Dates of Service: 11/2008-12/2008

Pre-Medical Ambassadors Program Participant Brigham & Women's Hospital, Boston, Massachusetts

Dates of Service: 04/2004-12/2004

Unit Coordinator

Brigham and Women's Hospital, Boston, Massachusetts

Dates of Service: 6/2004-12/2004

Certification and Licensure:

Fundamentals of Laparoscopic Surgery Certification (Exp 11/2019)
Texas Medical License (Exp 10/2018)
Board Certification by the American Board of Surgery (Exp 10/2025)

Research/Past Grant Experience:

Student Research Assistant, Supervisor Dr. Mary Jo Ondrechen, Department of Chemistry, Northeastern University.

"Theoretical Macroscopic Titration Curves: THEMATICS" A mathematical program to determine functional sites of proteins.

Dates: 5/2004-1/2005

Medical Student Research Assistant, Supervisor, Dr. Timothy Fabian & Dr. Jennifer DiCocco, Department of Surgery, University of Tennessee, Health Sciences Center

"Biomarkers in ePTFE infection"

Dates: 8/2008-9/2008

Medical Student Research Assistant, Supervisor, Dr. Patricia Flynn, St, Jude Research Hospital, Memphis, Tennessee.

"Missed Opportunities" HIV transmission prevention from mother to newborn. Dates 8/2008-10/2008

Alpha Omega Alpha Service Project Grant Shelby County Corrections Facility, Memphis, Tennessee 6 week Health Education Course for Inmates Dates of Course 6/2008-3/2009

Presentations:

"Menstrual Cycle Synchronization and its Effects on Altruism" Department of Biology, Northeastern University, April 2004

"Peptic Ulcer Disease: Then and Now" Department of General Surgery Grand Rounds, October 2012.

Washington 2

Awards and Honors:

First Place, Roland E. Latham Annual Oratory Competition, Northeastern University, February 2004 Medical Student Service Project Award, Alpha Omega Alpha Medical Honor Society, 2008 Paul Ambrose Scholar, Association for Prevention Teaching and Education, 2008 IMHOTEP Leadership Society, University of Tennessee Health Sciences Center, Inducted 2008 National Clinical Sciences Scholarship Winner, Student National Medical Association, 2008 Association of Women Surgeons, Medical Student Committee Member, 2008-2009 Fellow of the American College of Surgeons, 10/2016 - current

Professional Society Memberships:

American Medical Association American College of Surgeons Association of Women Surgeons **National Medical Association CV Roman Medical Society Tarrant County Medical Association**

Brian Garry Webb, MD

Acclaim Physicians Group
Department of Orthopaedic Surgery
1500 South Main Street
3rd Floor
Fort Worth, TX 76104
817-702-6903
bgwebb@sbcglobal.net

Academic Rank/Positions/Employment

Acclaim Physicians Group Fort Worth, TX 2016-Current

Department of Orthopaedic Surgery
Interim Chairman 2016-Current

University of North Texas Health Science Center

Fort Worth, TX 2008-Current

Department of Orthopaedic Surgery

Associate Professor

Interim Chairman 2014-2015 Employed UNT Health 2008-2016 Director of Sports Medicine

JPS Health Network Fort Worth, TX 2008-Current

Department of Orthopaedic Surgery
Interim Chairman 2014-Current
Director of Sports Medicine 2008-Current

Education

Texas Christian University/JPS Executive Leadership Program

Fort Worth, TX 2017

University of North Texas Toulouse Graduate School

Denton, TX 2010-2012

Certificate of Teaching and Adult Learning, December 2012

University of North Texas Toulouse Graduate School

Denton, TX 2010-2012

Certificate of Teaching and Learning for Medical Education, December 2012

Methodist Orthopaedic Surgery Sports Medicine Fellowship

Indianapolis, IN 2007-2008

JPS Hospital Orthopaedic Surgery Residency Program

Fort Worth, TX 2002-2007

Indiana University School of Medicine

Indianapolis, IN 1998-2002

Doctor of Medicine, May 2002

Wake Forest University

Winston-Salem, NC 1994-1998

Bachelor of Science, Health and Exercise Science, Magna Cum Laude, May 1998

Certifications/License

Texas Medical Board License Current

Indiana Medical Board License Current

American Board of Orthopaedic Surgery, Board Certified July 2010

American Board of Orthopaedic Surgery Sports Medicine Subspecialty Certificate

Nov. 2011

USMLE Step 3 Passed June 2003

USMLE Step 2 Passed Oct. 2001

USMLE Step 1 Passed June 2000

Teaching Positions

JPS Health Network Orthopaedic Surgery Residency Program

Fort Worth, TX 2008-Current

Director of Sports Medicine Residency Rotation

UNTHSC Medical School Director of Orthopaedic Education

Fort Worth, TX 2009-2017

UNTHSC Faculty Academy of Medical Educators Member

Fort Worth, TX 2010-Current

Fellow of Academy of Medical Educators

UNTHSC 2nd Year Medical Student Musculoskeletal Course Director

Fort Worth, TX 2010-Current

UNTHSC Physician Assistant Studies Clinical	Instructor Fort Worth, TX	2009-Current
JPS Health Network Primary Care Sports Med	icine Fellowship Faculty Fort Worth, TX	2008-Current
UNTHSC Primary Care Sports Medicine Fellov	vship Faculty Fort Worth, TX	2014-2016
UNTHSC Bone and Joint Club, Faculty Adviso	r Fort Worth, TX	2008-2016
UNTSHC Clinical Instructor	Fort Worth, TX	2006-2007

Committee Memberships and Leadership Positions

Acclaim Physicians' Group Board of Directors	2016-Current
JPS Health Network Board of Managers Quality Committee	2016-Current
JPS Medical Executive Committee	2014-Current
JPS Surgical Operations Committee	2016-Current
JPS Quality and Patient Safety Governance Committee Co-Chairman	2016-Current
JPS Subcommittees (Surgical Site Infection, CDI Task Force)	2016-2017
JPS Acclaim Physicians' Group Compensation and Engagement Committee 2015-2016	
JPS Chairmen's Committee	2014-2016
JPS Orthopaedic Medical Director for Orthopedic and Sports Medicine Center/Bardin	
Road Specialty Clinic	2009-Current
JPS Co-Chairman of Oversight Committee of JPS Surgical Center of Arlin	gton 2010-Current

JPS Chairman of Orthopaedic Surgery Residency Clinical Competency Committee

2014-Current

JPS Department of Orthopaedic Surgery Residency Program Evaluation Committee

2008-Current

JPS Orthopaedic Surgery Hospital Operations Committee, Chair 2015-Current

UNTHSC Steering Committee Member for Academy of Medical Educators

2010-2016

UNTHSC Academy of Medical Educators Fellow 2015-Current

UNTHSC Admissions Committee Member 2010-2016

UNTHSC Orthopaedic Department Promotion and Tenure Committee 2014-Current

Research Publications/Presentations

Mentor UNTHSC Honors Course Gabriel Gonzalez, MS IV, Effect of Tibial Tubercle Rotation with Osteotomy.

Gonzalez G, Wood A, Webb B. "Effect of Tibial Tubercle Rotation with Osteotomy." UNTHSC Research Appreciation Day. Fort Worth, TX. April 7, 2017.

Schaefer T, Payne J, Webb B. "Reduction Technique in Rockwood Grade VI AC Separation." UNTHSC Research Appreciation Day. Fort Worth, TX. April 7, 2017.

Ming W, Liesman G, Webb B. Proximal Radius Fracture Following Proximal Biceps Repair. Submitted December 2016.

Pientka WF, Bates CM, Webb BG. Asymptomatic Migration of a Kirschner Wire from the Proximal Aspect of the Humerus to the Thoracic Cavity A Case Report *JBJS Case Connect*, 2016 Sep 28; 6 (3): e77. http://dx.doi.org/10.2106/JBJS.CC.16.00032.

Webb BG, Sallay PI, McMurray SD, Misamore GW. Comparison of Interscalene Brachial Plexus Block Performed With and Without Steroids. *Orthopedics*. 2016 Aug 30:1-4.

Stout E, Marsh P, Webb B. The Effect of Femoral ACL Tunnel Drilling on Posterolateral Corner Reconstruction. Louis Levy Research Day. Fort Worth, TX. June 17, 2016.

Stout E, Marsh P, Webb B. The Effect of Femoral ACL Tunnel Drilling on Posterolateral Corner Reconstruction. JPS Research Appreciation Day Poster. Fort Worth, TX. June 3, 2016.

Stout E, Marsh P, Webb B. The Effect of Femoral ACL Tunnel Drilling on Posterolateral Corner Reconstruction. UNTHSC Research Appreciation Day Poster. Fort Worth, TX. April 15, 2016.

Joseph R, Webb B, Wagner R. Evaluation of Intraoperative Ligamentous Injury During Total Knee Arthroplasty Involving Resident Training" American Orthopedic Association Annual Meeting, Providence, RI. June 24-27, 2015.

Joseph R, Webb B, Wagner R. Evaluation of Intraoperative Ligamentous Injury During Total Knee Arthroplasty Involving Resident Training" JPS Research Appreciation Day. Fort Worth, TX. June 5, 2015.

Elliott M, Luedke C, Webb B. "Arthroscopic Anterior Cruciate Ligament Reconstruction Using Flexible Guide Pins and Rigid Reamers". *American Journal of Orthopedics*. April 2015.

Joseph R, Wagner RA, Webb BG. "Evaluation of Intraoperative Ligamentous Injury During Total Knee Arthroplasty Involving Resident Training" *Texas Orthopaedic Journal*. 2015 March:1(1):45-50.

Joseph R, Webb B, Wagner R. Evaluation of Intraoperative Ligamentous Injury During Total Knee Arthroplasty Involving Resident Training" UNTHSC Research Appreciation Day Poster. Fort Worth, TX. March 21, 2014.

Webb BG, Elliott MP. Psuedoaneurysm of a Thoracromial Artery Branch After Arthroscopic Subacromial Decompression and Distal Clavicle Excision. Orthopedics (2014) 37(6):e596-599.

Member of large multicenter Arthroscopic Association of North America Knee and Shoulder Arthroscopic Complications Study. Data collection completed and submitted to lead author. May 2013.

Webb BG. The Effect of Bracing on Varus Gonarthrosis. A Review of Evidence Based Medicine. *Orthopedics*. 2011 April;34(4):301.

Misamore G, Webb B, McMurray S, Sallay P. A prospective analysis of interscalene brachial plexus blocks performed under general anesthesia. *J Shoulder Elbow Surg* (2011) 20, 308-314.

"Utilization of a Volar Plate on Profile Fluoroscopically as a Technique in Determining Intraoperative Anatomic Relationships." Reardon R, Webb B, Nana A. JPS Research Appreciation Day Presentation. Fort Worth, TX. June 5, 2009.

"Utilization of a Volar Plate on Profile Fluoroscopically as a Technique in Determining Intraoperative Anatomic Relationships." Reardon R, Webb B, Nana A. Louis Levy Research Day Presentation. Fort Worth, Texas. June 19, 2009.

"Lateral Wear of the Humeral Capitellum Related to Tennis Elbow?" Sheedlo H, Webb B, and Bunata R. Poster presentation for the 26th Annual Meeting of the American Association of Clinical Anatomists. Cleveland, OH. July 14-17, 2009. "Gymnastic Wrist Injuries." Webb BG, Rettig LA. *Curr Sports Med Rep.* 2008 Sep-Oct;7(5):289-95.

"Proximal Femoral Stress Reaction in a Professional Football Player." Webb BG, Hunker PJ, Rettig AC. *Orthopedics*. 2008 Aug 31:802.

"Risk Factors in Total Joint Arthroplasty: A Comparison of the Infection Rate Between Patients with Different Socioeconomic Background". Webb BG, Lichtman DM, Wagner RA. *Orthopedics*. 2008 May 31:445.

"Proximal Femoral Stress Reaction: A Case Report." Webb B, Hunker P, Rettig A. Poster at the National Football League Physicians Society Scientific Meeting, Indianapolis, IN. February 22, 2008.

"Risk Factors in Total Joint Arthroplasty: A Comparison of the Infection Rate Between Patients with Different Socioeconomic Backgrounds." Webb B, Wagner, R. Louis Levy Research Day Presentation. Fort Worth, TX. June 22, 2007.

"Risk Factors in Total Joint Arthroplasty: A Comparison of the Infection Rate Between Patients with Different Socioeconomic Backgrounds." Webb B, Wagner R. JPS Research Appreciation Day Presentation. Fort Worth, TX. June 1, 2007.

"The effects of mechanical load on tyrosine kinase activity, MAPK phosphorylation, and cytoskeletal reorganization in osteoblast cells" Ajubi, N, Webb B, Duncan R. Poster presentation American Society of Bone and Mineral Research Annual Meeting. St. Louis, MO. September 30-October 4, 1999.

Teaching Presentations/Lectures

"State of Resident Education in Texas." Texas Orthopaedic Association. Scheduled May 5, 2017.

Shoulder Instability." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. April 12, 2017.

Visiting professor at University of New Mexico Arthroscopy Lab, Scottsdale, Arizona. April 7-8, 2017.

- "Rotator Cuff Tears." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. February 8, 2017.
- "Cartilage Restoration." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 11, 2017.
- "Multiligamentous Knee Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 9, 2016.
- "Sideline Coverage." Fort Worth Affiliated Hospitals Orthopaedic Residency Program. Fort Worth, Texas. July 13, 2016.
- "Knee Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 8, 2016.
- "Shoulder Injuries in the Athlete." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 8, 2016.
- "Overuse Syndromes in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 8, 2016.
- "Shoulder Pain" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. June 2, 2016.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 31, 2016.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 31, 2016.
- "Knee Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. May 26, 2016.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 25, 2016.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 25, 2016.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. May 19, 2016.
- "Primer for 3rd Year Orthopaedic Surgery Rotation" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. April 6, 2016.

- "Hip Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. February 10, 2016.
- "Patellofemoral Conditions." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 13, 2016.
- "Shoulder Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 11, 2015.
- "Radiology Clinical Correlations." University of North Texas Health Science Center 1st Year Class. Fort Worth, TX. August 26, 2015.
- "Sideline Coverage." Fort Worth Affiliated Hospitals Orthopaedic Residency Program. Fort Worth, Texas. July 8, 2015.
- "Multiligamentous Knee Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 10, 2015.
- "Shoulder Pain" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. May 28, 2015.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 27, 2015.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 27, 2015.
- "Knee Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. May 21, 2015.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 20, 2015.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. May 20, 2015.
- "Elbow Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. May 13, 2015.
- "Orthopaedic and Sports Medicine: Shoulder Injuries." 2015 UNTHSC Primary Care Summit, Fort Worth, Texas. May 1, 2015.
- "3rd Year Orthopaedic Surgery Rotation Primer" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. April 22, 2015.

- "Meniscal Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. April 8, 2015.
- "Shoulder Pain" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. March 4, 2015.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 4, 2015.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 2, 2015.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 2, 2015.
- "Lower Extremity Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. February 25, 2015.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. February 25, 2015.
- "Rotator Cuff Tears." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. February 12, 2015.
- "Cartilage Restoration." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 14, 2015.
- "Orthopaedic Emergencies/Urgencies." University of Texas at Arlington Athletic Training Class. Arlington, Texas. November 24, 2014.
- "Shoulder Instability." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 12, 2014.
- "Radiology Clinical Correlations." University of North Texas Health Science Center 1st Year Class. Fort Worth, TX. September 12, 2014.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. July 29, 2014.
- "Sideline Coverage." Fort Worth Affiliated Hospitals Orthopaedic Residency Program. Fort Worth, Texas. July 9, 2014.

- "Shoulder Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. May 14, 2014.
- "Overuse Syndromes in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. April 9, 2014.
- "Cartilage Restoration" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. April 2, 2014.
- "Case Discussion of Young Athlete Knee Injury." DFW Sports Medicine Symposium. Irving, TX. March 30, 2014.
- "Upper Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. March 5, 2014.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 3, 2014.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 3, 2014.
- "Lower Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. February 26, 2014.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. February 26, 2014.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. February 24, 2014.
- "Hip Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. February 12, 2014.
- "Knee Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 8, 2014.
- "Shoulder Injuries in the Athlete." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 13,2013.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. October 25, 2013.
- "'Musculoskeletal Imaging Clinical Correlations." University of North Texas Health Science Medical School 1st Year Class. Fort Worth, TX. September 19, 2013.

- "Multiligamentous Knee Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 12, 2013.
- "Elbow Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. May 8, 2013.
- "Cartilage Restoration" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. May 1, 2013.
- "Introduction to the Field of Orthopaedic Surgery" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. April 3, 2013.
- "Upper Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. March 6, 2013.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 4, 2013.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 4, 2013.
- "Lower Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. February 27, 2013.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. February 27, 2013.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. February 25, 2013.
- "Orthopaedic Running Injuries." Fort Worth Cowtown Marathon Expo. Fort Worth, Texas. February 23, 2013.
- "Rotator Cuff Tears." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. February 13, 2013.
- "Cartilage Restoration." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 9, 2013.
- "Shoulder Instability." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 14, 2012.

- "Upper Extremity Clinical Correlations." University of North Texas Health Science Center Medical School 1st Year Class, Fort Worth, TX. September 13, 2012.
- "Overuse Syndromes in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 13, 2012.
- "Hip Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 13, 2012
- "Orthopedic Primer for 3rd Year Rotation. Part 2" UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. April 25, 2012.
- "Upper Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course small group didactic session author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. April 11, 2012.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. April 10, 2012.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. April 10, 2012.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. April 10, 2012.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. April 9, 2012.
- "Lower Extremity Anatomy, Radiology, and Case Discussions" Clinical Medicine Course Small Group Didactic Session Author. University of North Texas Health Science Medical School 2nd Year Class. Fort Worth, TX. March 28, 2012.
- "Chondrocyte Harvesting and Repair for Chondral Defects." Dallas/Fort Worth Sports Medicine Symposium 2012. Arlington, TX. March 25, 2012.
- "Shoulder Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 14, 2012.
- "Shoulder Injuries in the Athlete." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. Marc h 14, 2012.
- "Orthopedic Primer for 3rd Year Rotation. Part 1." UNTHSC Orthopedic Student Interest Group, Fort Worth, Texas. January 25, 2012.
- "Knee Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 21, 2011.

"Patellofemoral Syndromes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 21, 2011.

- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. October 5, 2011.
- "Introduction to Upper Extremity Radiology." University of North Texas Health Science Center Medical School 1st Year Class, Fort Worth, TX. September 22, 2011.
- "Anatomy in the Practice of Medicine/Upper Extremity." University of North Texas Health Science Center Medical School 1st Year Class, Fort Worth, TX. September 22, 2011.
- "Elbow Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 8, 2011.
- "Meniscal Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 8, 2011.
- "Acute and Chronic Shoulder Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 31, 2011.
- "Acute Elbow, Wrist, Hand Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 31, 2011.
- "Acute Knee and Hip Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 30, 2011.
- "Acute Foot and Ankle Pain." University of North Texas Health Science Medical School 2nd Year Class, Fort Worth, TX. March 30, 2011.
- "Rotator Cuff Tears." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 9, 2011.
- "Shoulder Instability." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 9, 2011.
- "Middle Age Osteoarthritis and Cartilage Restoration." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 8, 2010.
- "Multiligamentous Knee Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 8, 2010.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. October 1, 2010.

- "Introduction to Upper Extremity Radiology." University of North Texas Health Science Center Medical School 1st Year Class, Fort Worth, TX. September 23, 2010.
- "Anatomy in the Practice of Medicine." University of North Texas Health Science Center Medical School 1st Year Class, Fort Worth, TX. September 23, 2010.
- "Overuse Syndromes in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 2, 2010.
- "Patellofemoral Syndromes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 2, 2010.
- "An Overview of Problems in the Thrower's Shoulder." Dallas/Fort Worth Sports Medicine Symposium 2010. Arlington, TX. March 27, 2010.
- "Knee Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 3, 2010.
- "Knee Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 3, 2010.
- "Shoulder Anatomy and Biomechanics." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 2, 2009.
- "Shoulder Injuries in the Athlete." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 2, 2009.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. October 30, 2009.
- "Elbow Injuries in Athletes." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 3, 2009.
- "Meniscal Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 3, 2009.
- "Arthritis from an Orthopaedic Surgeon Perspective." UNT 3rd Annual Arthritis Expo. Fort Worth, TX. April 18, 2009.
- "Upper Extremity Evaluation." 6th Annual DFW Sports Medicine Symposium, Arlington, TX. March 28, 2009.
- "Rotator Cuff Tears." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 4, 2009.

- "Shoulder Instability." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. March 4, 2009.
- "Middle Age Osteoarthritis and Cartilage Restoration." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 3, 2008.
- "Multiligamentous Knee Injuries." Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 3, 2008.
- "Shoulder and Elbow Pain." University of North Texas Health Science Center PA Program, Fort Worth, TX. October 24, 2008.
- "Interscalene Anesthesia Performed in the Non-Awake Patient." Garceau-Wray presentation for Indiana University School of Medicine Department of Orthopaedic Surgery Program, Indianapolis, IN. June 13, 2008.
- "The Path to Becoming a Sports Medicine Orthopaedic Surgeon." Cathedral High School, Indianapolis, Indiana. March 14, 2008.
- "Middle Age Arthritis/Chondral Damage Indications for Treatment." Methodist Sports Medicine Grand Rounds, Indianapolis, Indiana. February 25, 2008.
- "Rotator Cuff Controversies." Methodist Sports Medicine Grand Rounds, Indianapolis, Indiana. November 26, 2007.
- "Flexible Flatfoot and Tarsal Coalitions." Pediatric Conference presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. December 6, 2006.
- "Congenital and Acquired Tibial Deformity." Pediatric Conference presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. November 8, 2006.
- "Multiple Ligamentous Knee Injuries (Knee Dislocations)." Grand Rounds presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. April 25, 2006.
- "Giant Cell Tumor of the Hand." Louis Levy presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. June 10, 2006.
- "Gunshot Injuries to Bones and Joints." Grand Rounds presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. January 4, 2005.

"Pediatric Lower Extremity Fractures." Pediatric Conference presentation for Fort Worth Affiliated Hospitals Orthopaedic Residency Program, Fort Worth, Texas. October 8, 2004.

"Perioperative Complications." Grand Rounds presentation for Fort Worth Affiliated Hospitals Residency Program, Fort Worth, Texas. June 1, 2004.

"Compartment Syndrome and Post-Operative Care." Nursing Continuing Medical Education lecture series at John Peter Smith Hospital, Fort Worth, Texas. February 24, 2004.

Honors & Awards

Fort Worth Monthly Magazine Top Docs Award	2017
JPS Excellence Award	2017
360 Magazine Top Doctors Award	2016
Texas Monthly Super Doctors Award	2016
Fort Worth Monthly Magazine Top Docs Award	2016
UNT Health Science Center "Valubility" Award	2015
Fort Worth Monthly Magazine Top Docs Award	2015
Texas Monthly Super Doctors 2015 Texas Rising Stars	2015
Texas Monthly Super Doctors 2014 Texas Rising Stars	2014
Texas Monthly Super Doctors 2013 Texas Rising Stars	2013
Fort Worth Monthly Magazine Top Docs Award	2012
UNTHSC President's Award for Clinical Excellence	2012
JPS Orthopedic Residency Program Teacher of the Year Award	2011
JPS Orthopedic Residency Program Teacher of the Year Award	2009
American Orthopaedic Association AOA Leadership Forum Selection	2006

The Pfizer Scholars in Pain Management Award	
The Geneva Wise Endowed Scholarship, IU School of Medicine	2001
Henry and Hattie Steinmetz Scholarship, IU School of Medicine	2000
Phi Beta Kappa	1998
Mortar Board National Honor Society	1998
Omicron Delta Kappa National Leadership Honor Society	1998
Golden Key National Honor Society	1998

Community Engagement

Texas Medical Association Council on Medical Education	2013-Current	
Fort Worth ISD Volunteer Team Physician	2008-2012	
Keller ISD Volunteer Team Physician	2008-Current	
Tarrant County Medical Society Board of Directors	2006-2007	
Whites Chapel United Methodist Church, Southlake, Texas	2008-Current	
Policy-group on Rane Education Prevention And Response (PREPAR)1995-1998		

Policy-group on Rape Education Prevention And Response (PREPAR)1995-1998 Chairman and Peer Counselor

Executive Council and Member Sigma NU Fraternity Served as Pledge Master and House Manager 1995-1998

Professional Affiliations

American Orthopaedic Association, Elected Member	2016-Current
American Academy of Orthopaedic Surgeons, Fellow	2002-Current
American Orthopaedic Society for Sports Medicine, Active Member	2008-Current
Arthroscopy Association of North America, Active Member	2008-Current

Tarrant County Orthopaedic Society Program Director	2009-2013
Editorial Board Gavin Journal of Orthopedic Research and Therapy	2015-Current
Article Reviewer for American Journal of Sports Medicine	2009-Current
Article Reviewer for Orthopedic Journal of Sports Medicine	2016-Current
Article Reviewer for Orthopedics	2009-Current
Article Reviewer for Current Sports Medicine Reports	2012-2013
Texas Medical Association	2006-Current
Tarrant County Medical Society	2006-Current

Personal

Hobbies include spending time with family, jogging, football, basketball, baseball, and grilling.

CURRICULUM VITAE

Don P. Wilson, M.D., FNLA

Division of Pediatric Endocrinology & Diabetes
Diplomate, American Board of Clinical Lipidology
Endowed Chair, Pediatric Cardiovascular Health and Risk Prevention
Pediatric Endocrinology and Diabetes
Cook Children's Medical Center
Fort Worth, Texas

Employer Cook Children's Medical Center 09/2011 - present

Address

Division of Pediatric Endocrinology & Diabetes 1500 Cooper Street, 2nd Floor, Dodson Bldg

Fort Worth, Texas 76104-2724

Telephone

Office (682) 885-7960 Cell (817) 999-9150 Facsimile (602) 933-0610

E-mail don.wilson@cookchildrens.org

Education

High School Newton High School 09/1963-05/1967

Newton, Mississippi

College University of Southern Mississippi 08/1967-06/1970

Hattiesburg, Mississippi

Medical School University of Mississippi 07/1970-06/1974

Jackson, Mississippi

Postgraduate Training

Internship Pediatrics, Baylor Affiliated Hospitals 07/1974-06/1975

Houston, Texas

Residency Pediatrics, Baylor Affiliated Hospitals 07/1975-06/1977

Houston, Texas

Chief Resident Pediatrics, Baylor Affiliated Hospitals 07/1977-06/1978

Houston, Texas

Fellowship Pediatric Endocrinology 07/1978-06/1980

Baylor Affiliated Hospitals

Houston, Texas

Employment

Section of Endocrinology, 07/1980-04/1990

Diabetes & Metabolism

Children's Medical Center, Tulsa, OK

Private Practice 05/1990-12/1991

Pediatric Endocrine Associates

Tulsa, Oklahoma

Section of Pediatric Endocrinology 01/1992-12/1996

Driscoll Children's Hospital

Corpus Christi, Texas

Section of Pediatric Endocrinology 01/1997-01/2009

Scott and White Clinic

Temple, Texas

Division of Pediatric Endocrinology 01/2009-09/2011

Phoenix Children's Hospital

Phoenix, Arizona

Division of Pediatric Endocrinology 09/2011-present

Cook Children's Medical Center

Fort Worth, Texas

Leadership Positions Held

Instructor Department of Biology 1970

University of Southern Mississippi

Hattiesburg, Mississippi

Chief Resident Pediatrics, Ben Taub General Hospital 07/1976 – 06/1977

Houston, Texas

Chief Resident Pediatrics, Texas Children's Hospital 07/1977-06/1978

Houston, Texas

Instructor Cardiopulmonary Resuscitation, 1977

Texas Children's - St. Luke Episcopal

Hospitals, Staff Certification

Houston, Texas

Research Assistant	VA Medical Center Houston, Texas	1979-1980
Medical Director	Youth Leadership Congress National American Diabetes Association	1989
Treasurer	Northeastern Oklahoma Pediatric Society	1980-1981
Medical Advisor	Diabetes Camping and Youth Program American Diabetes Association	1980-1981
Chief	Section of Endocrinology, Diabetes & Metabolism Children's Medical Center, Tulsa, OK	1980-1990
Chair	Research Committee, American Diabetes Association, Eastern Oklahoma Chapter	1981-1983
Member	Pediatric ICU/Patient Care Committee St. Francis Hospital,Tulsa, Oklahoma	1982-1991
Chair	Board Chair, American Diabetes Association Oklahoma Affiliate	1983-1984
Chair	Youth Services Committee American Diabetes Association, Oklahoma Affiliate	1984-1987
Medical Advisor	Camp Sand Castle American Diabetes Association, Texas Affiliate	1993-1997
Member	Health and Safety Services Committee American Red Cross-Tulsa, Oklahoma	1990-1991
Delegate	People to People Citizen's Ambassador Program Diabetes Delegation to China and Mongolia	1995
Medical Director	Texas Youth Leadership Congress American Diabetes Association, Texas Affiliate	1995-1996
Section Head	Section of Pediatric Endocrinology Driscoll Children's Hospital Corpus Christi, Texas	1992-1996
Chair	American Diabetes Association National Youth Leadership Congress	1992

Chair	Advertising Review Board 1993-199 American Diabetes Association	
Member	Camping and Youth Services Committee American Diabetes Association, Texas Affiliate	1993-1996 e
Member	Conference Committee Annual Pediatric Conference and Driscoll Alumni Reunion Corpus Christi, Texas	1994-1996
Member	South Texas Border Health Initiatives	1995-1996
Consultant	Texas Board of Health Newborn Screening Program	1992-present
Member	Community Advisory Board Junior League of Temple	1998-2000
Active Member	CHARIOT (Children's Hospitals and Related Institutions of Texas)	1999-2007
Member	First Lady Laura Bush's Reach Out and Read Early Childhood Literacy Committee	1999
Chair	Children's Hospital Advisory Council	2004-2008
Co-Founder	Tem-Bel Health and Wellness Coalition Scott & White Clinic	2001 -2008
Member	Belton ISD School Health Advisory Committee	e 2000 - 2008
Chair	TISD School Health Advisory Committee	2000 – 2008
Associate Editor	Journal of Clinical Lipidology Jan	2009 – Present
Member	Dissertation CommitteeDon P. Wilson. Jan Neuropsychologic functioning and stress reactivity in type 1 diabetes mellitus. Catherine L. Purdom, M.A., Doctoral Student, Department of Psychology, Arizona State Univ	2010 – Aug 2011 versity.
Fellowship Director	Pediatric Endocrinology Fellowship Aug Phoenix Children's Hospital	2009 – Aug 2011

Endowed Chair, Cardiovascular Health and Risk Prevention. Cook Children's Medical Center. Fort Worth, Texas. October 2013 - present.

Medical Director, REACH Clinic, September 211 – present

Medical Director, Medical Education, Cook Children's Medical Center. 2013 - present.

Distinguished Consultant, Cook Children's Practice Network. May, 2014 - present.

Chair, Medical Education Advisory Committee, Cook Children's Medical Center. 2013 – present

Chair – Pediatric Dyslipidemia Symposium. National Lipid Association's Annual Scientific meeting. June 14, 2015. Chicago, Illinois.

Chair, Abstract Committee, 2016 PESTOLA Annual Scientific Meeting.

Executive Committee, Pediatric Atherosclerosis Prevention and Lipidology Group (PeDAL)

IAS 2018 International Pediatric Lipidology Symposium Planning Committee, 2016-2017

<u>Professional Committee Participation</u>

National Lipid Association. Strategic Planning Committee. February 7–8, 2015. Orlando, Florida

Southwest Lipid Association - Executive Committee meeting. 02/15/2015. Denver, Colorado. (Teleconference)

Right Care Planning Committee. CCMC Health Plan. 2015

America Board of Clinical Lipidology, Board of Director's Meeting. June 13, 2015. Chicago, Illinois.

Advisory Board. Alexion Pharmaceuticals. 2015-present

National Lipid Association, Graduate Medical Education Committee, 2014-present.

National Lipid Association, Continuing Medical Education Committee, 2014-present.

Pediatric Atherosclerosis Prevention and Lipidology Group (PeDAL), 2015 - present

Professional Appointments

Board of Directors. American Board of Clinical Lipidology, Term 2013 -2017.

Associate Editor – Journal of Clinical Lipidology. Term 2013-2016.

Presenter, Zero Harm, Cook Children's Medical Center. 2014 – present

Member, Cook Children's Health Plan Quality Management Committee. 2013 – present

Member, Executive Committee, PedDAL. 2014 – present

Member, Ad Hoc Committee on Dyslipidemia Management Recommendations, Part I – Adult. Policy committee, National Lipid Association. 2014 – 2015

Member, Ad Hoc Committee on Dyslipidemia Management. Recommendations, Part II – Special Populations. Policy committee, National Lipid Association. 2014 – 2015

Member, Graduate Medical Education Committee, National Lipid Association. 2013 – present

Member, Abstract Committee, 2016 National Lipid Association's Annual Scientific Meeting.

Member, ABCL Certifying Exam Revision Committee, 2015-2016.

Member, National Lipid Association's, SAP Revision Committee, 2015-2016.

Academic Titles

Clinical Professor, Department of Pediatrics, University of North Texas Health Sciences Center, 2012 – present.

Clinical Professor, Department of Pediatrics, University of Arizona College of Medicine, *-2009* – *2011*.

Research Professor, Center for Metabolic Biology and the College of Liberal Arts and Sciences, Arizona State University, 2009-2011.

Adjunct Professor, College of Nursing and Healthcare Innovation, Arizona State University, 2009-2011.

Professor and Chairman, Department of Pediatrics, Scott & White Hospital and Clinic and Texas A & M University Health Science Center, 1997-2008.

Adjunct Assistant Clinical Professor, The University of Texas at Arlington School of Nursing. 2008 – 2009.

Clinical Assistant Professor of Pediatrics, Baylor College of Medicine, 1994-1995

Clinical Associate Professor of Pediatrics, Baylor College of Medicine, 1995-Present

Director of Medical Education, Driscoll Children's Hospital, 1992-1996

President, Driscoll Physician's Services, Driscoll Children's Hospital, 1992-1996

Clinical Professor of Pediatrics, University of Oklahoma College of Medicine, Tulsa, Oklahoma, 1991- 1992

Clinical Associate Professor of Pediatrics, University of Oklahoma, Tulsa Medical College, Tulsa, Oklahoma, 1986-1991

Clinical Assistant Professor of Pediatrics, University of Oklahoma, Tulsa Medical College, Tulsa, Oklahoma, 1980-1986

Associate Medical Director, Pediatric Intensive Care, St. Francis Hospital, 1982-1988

International Health Initiatives

Created humanitarian health care and health education to aid the international community as well as educational opportunities for residents and medical students.

 China
 1995 - 2008

 Mexico
 1998 - 2008

 Africa
 2005 - 2008

Facilitated a collaboration between the Texas A&M HSC COM and the Bush School of International Business to create a 12-hour undergraduate certificate program in International Health for medical students.

Community Health

Co-founded a coalition of community based health care professionals, educators, business leaders, city / county / state law makers and involved citizens to create health awareness and opportunities to improve health within the central Texas community.

<u>Undergraduate medical education faculty advisor</u>

Texas A&M HSC College of Medicine

1997-2009

Driscoll Children's Hospital Committees

1992-1996

Children's Resource and Development Institute

Standing Committees

Medical Executive Joint Conference Governing Board Executive Staff

Residency Advisory Committee Continuing Medical Education

S&W Hospital & Clinic/Health Plan/Med School Committees,

Committee Chair:

Education Advisory Committee, S & W Hospital & Clinic CCH Steering Committee, S & W Hospital & Clinic

Children's Hospital Executive Committee, The Children's Hospital at Scott & White Dean's Committee on Curriculum, TAMU HSC COM Scientific Review Committee, Phoenix Children's Hospital

Committee Member:

Government Affairs Committee, S & W Hospital & Clinic Education Advisory Council Committee, S&W Hospital & Clinic Leadership Council, S & W Hospital & Clinic Medical Staff Executive Committee, S & W Hospital & Clinic Department Chairman Executive Council, S & W Hospital & Clinic CMN Allocation Committee, S & W Hospital & Clinic Pediatric Executive Committee, S & W Hospital & Clinic S & W Academic Chairs Committee, S & W Hospital & Clinic Tem-Bel Health and Wellness Coalition, Scott & White

TAMU HSC COM

Executive Dean's Committee, TAMU HSC COM
Dean's Committee on Curriculum, TAMU HSC COM
Dean's Committee on Evaluation of Endowed Chairs, Professorships and Department Head
Review, TAMU HSC COM
Academic Council Committee, TAMU HSC COM
TAMU Curriculum Committee, TAMU HSC COM
Strategic Planning Committee, TAMU HSC COM
White Centennial Chair Committee, TAMU HSC COM

Department of Pediatrics

PICU Committee, Scott & White
NICU Committee, Scott & White
Pharmacy & Therapeutics Committee, Scott & White
CHC Steering Committee, Scott & White
Pediatric Diabetes Team Committee, Department of Pediatrics
Research and Education Oversight Committee, Department of Pediatrics
Pediatric Budget/Finance Committee, Department of Pediatrics
Pediatric Education Council, Department of Pediatrics
Pediatric Resident Council, Department of Pediatrics
Pediatric Quality Assurance Committee, Department of Pediatrics

Search Committees

Chair, Emergency Medicine, Scott and White Clinic / TAMU HSC COM
Division Director, Adult Endocrinology, Scott and White Clinic
Dean's Search Committee, TAMU HSC COM
Associate Dean's Search Committee, Scott and White Clinic / TAMU HSC COM
Senior Associate Dean's Search Committee, TAMU HSC COM
Chief Medical Officer, Scott and White Clinic and Hospital

Phoenix Children's Hospital Committees

Feb 1, 2009 - Aug, 2011 Member Department of Medicine Committee

Phoenix Children's Hospital

Phoenix, AZ

Mar 1, 2009 - Aug, 2011 Member Scientific Review Committee

Phoenix Children's Hospital

Phoenix, AZ

Aug – Nov, 2009 Chair PCH Search Committee

Director of Medical Education

Mar 1, 2009 – Aug, 2011 Member Graduate Medical Education Committee

Phoenix Children's Hospital

Phoenix, AZ

Professional Committee Participation

2009 – 2011 Member U.S. News and World Report

Endocrine Subcommittee

2010 – Present Member American Academy of Pediatrics

Obesity Registry Subcommittee

Cook Children's Hospital Committees

Research Oversight Committee

CCMC Health Plan Quality Committee

Society and Organizations

Bell County Medical Society

Texas Pediatric Society

Texas Medical Association

American Academy of Pediatrics

American Medical Association

American Diabetes Association

American Association of Clinical Endocrinologists

ADA Camping and Youth Services Committee

Association of Medical School Pediatric Department Chairman

European Society of Pediatric Endocrinologist

Human Growth Foundation

Lawson Wilkins Endocrine Society

National Lipid Association

Northeastern Oklahoma Pediatric Society

Oklahoma Medical Society

Oklahoma Endocrine Society

Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas

Southern Society of Pediatric Research

Tulsa Medial Society

Community Advisory Board for Temple Junior League

Temple Independent School District Advisory Board Committee

Southern Medical Association

Honors and Awards

Alpha Omega Alpha	1974
Alpha Epsilon Delta	1970 - 1974
Charlotte S. Lebron Memorial Trust Fund Award	1985
Robert K. Endres Award, Oklahoma Affiliate, ADA	1986
National American Diabetes Association's Award for	1990
Outstanding Contributions to Diabetes in Youth	
Distinguished Service, Chair of the American Diabetes Association	1993 - 1995
Advertising Review Panel	
Teaching Award – Pediatric Residents Driscoll Children's Hospital	1994
Robitussin®, Dimetapp® and Wyeth Pediatrics Miracle Maker Award	1995
The Best Doctors in America – Central Region	1996-2008
Faculty Teaching Award – Texas A&M HSC College of Medicine	2002-2003
The Junior League of Bell County, Texas, Inc., Community Partner Award	2002
Texas A&M University Health Science Center, Teaching Award	2002
Honorary Chair, 2004 CMN Telethon	2004
"Super Doctors", The Children's Hospital at Scott & White	2008
Best Doctors in America – Southwest Region	2009 - 2010
Diplomate, American Lipid Board of Lipidology	05/2009
University of Arizona College of Medicine. 1st Place Award - Research Excellence Da	•
University of Arizona College of Medicine.2 nd Place Award -Research Excellence Da	•
Endowed Chair – Cardiovascular Health and Risk Prevention	2014
Distinguished Physician – Cook Children's Physician Network	2013
Faculty Honor Roll - The Osler Institute	04/2014
First Place - Young Investigator Competition. NLA. Faculty Advisor.	06/2015

Board Certifications

Arizona (#41325)	12/19/2008 to 10/18/2011
Texas Board of Medical Examiners (E5988)	06/15/1976 to 11/30/2012
Oklahoma Board of Medical Examiners (#12667)	1980 - expired
Mississippi Board of Medical Examiners (#7075)	1974 - expired
Arkansas Board of Medical Examiners	1991
American Board of Pediatrics (written exam)	1977
American Board of Pediatrics (oral exam)	1979
American Board Pediatric Endocrinology	1983
American Board of Clinical Lipidology	2006

Research Certifications

CITI Basic Course	2007
CITI Refresher Course	2009
CITI Refresher Course	2011
CITI Refresher Course	2012
CITI Refresher Course	2013
CITI Refresher Course	2014
CITI Refresher Course	2015

Publications

- 1. Cobb, A.B, **Wilson, D.P.** and Abide, J.M. *Use of Drugs Under the Mississippi Medicaid Program.* J. of MS State Med Assoc., Vol. 13, No. 3, pp. 81-85, March1972.
- 2. Ledbetter, D.H., Ricardi, V.M., Au, W.W., **Wilson, D.P.** and Holmquist. *Ring Chromosome 15: Phenotype, Ag-NOR Analysis, Secondary Aneuploidy, and Associated Chromosome Instability.* Cytogenet. Cell. Genet. 27:11-122, 1980.
- 3. **Wilson, D.P.** and Endres, R.K. *CSII: An Aid to Patient Selection and Training.* Diabetes Care 4 (6):659-660, 1981.
- Keenan, B.S., Holcombe, J.H., Wilson, D.P., Kirkland, R.T., Potts, E. and Clayton, G.W. Plasma Renin Activity and the Response to Sodium Depletion in Salt-losing Congenital Adrenal Hyperplasia. Pediatr Res 16:118-122, 1982.
- 5. Mallette, L.E., **Wilson, D.P.** and Kirkland, J.L. *Evaluation of Hypocalcemia with a Highly Sensitive, Homologous Radioimmunoassay for Mid-region of Parathyroid Hormone*. Ped. 71(1):64-69, 1983.
- 6. **Wilson, D.P.**, Carpenter, N.J. and Holcombe, J.M. *Turner Syndrome: Clinical Investigation and Review.* J. OK State Medical Association, 78(2):37-42, 1985.
- 7. **Wilson, D.P.** and Endres, R.K. *Continuous Subcutaneous Insulin Infusion (CSII)*. J. OK State Medical Association, 78(7):211-214, 1985.
- 8. **Wilson, D.P.,** Fesmire, J.D., Endres, R.K. and Blackett, P.R. *Increased Levels of HDL-Cholesterol and Apolipoprotein A-I after Intensified Insulin Therapy for Diabetes*. Southern Medical Journal, 78(6):636-638, 1985.
- 9. **Wilson, D.P.,** Rosenkoetter, G., and Endres, R.K. *Self-monitoring of Blood Glucose*. J OK State Med Assoc., 78(1):3-7, Jan 1985.
- Wilson, D.P. and Coldwell, J.G. Newborn Hypothyroid Screening The Private Sector. Am. J. Dis. Child. 139:662-663, 1985. Republished in JAMA-Southeast Asia, Supp. 1:39-40, 1986.
- Berkovitz, G.D., Wilson, D.P., Carpenter, N.J., Brown, T.R. and Migeon, C.J. Gonadal Function in Men with the Martin-Bell (Fragile-X) Syndrome. Am. J. Med. Genet, 23(1-2):227-239, Jan 1986.
- 12. **Wilson, D.P.** and Schoenfeld, D. *Microcomputer Assisted Growth Assessment*. Comput in Biol Med, 16(4): 281-300, Jan 1986.
- 13. **Wilson, D.P**. and Endres, R.K. Compliance with Blood Glucose Monitoring in Children with Type I Diabetes Mellitus. J. Pediatr. 108(6):1022-1024, Jun 1986.

- 14. Wilson, D.P. and Horowitz, J.L. Exercise-induced Changes in Growth Hormone and Somatomedin-C. Am. J. Med. Sci. 293(4):216-217, 1987.
- 15. **Wilson, D.P.,** Horowitz, J.L., Stratton, R. and Endres, R.K. *Glycosylation...An Aid in Assessing Diabetic Control.* J. OK State Medical Association, 80(2):73-75, 1987.
- 16. Malik, M. and **Wilson, D.P.** *Umbilical Artery Catheterization: A potential Cause of Refractory Hypoglycemia*. Clin Pediatr, 26(4):181-182, Apr 1987.
- 17. Stratton, R., **Wilson, D.P.**, Endres, R.K. and Goldstein, D. *Improved Glycemia Control after Supervised 8-Week Exercise Program in Insulin-Dependent Diabetic Adolescents*. Diabetes Care, 10(5):589-593, Sept 1987.
- 18. Carpenter, N.J., Mayes, J.S., and **Wilson, D.P.** Partial Deletion 21: Case Report with Biochemical Studies and Review. J. Med. Genet, 24(11):706-709, Nov 1987.
- Stratton, R., Wilson, D.P. and Endres, R.K. The Acute Glycemic Effects of Exercise in Adolescents with Insulin-Dependent Diabetes Mellitus. The Physician and Sports Medicine 16(3):150-157, 1988, Diabetes Spectrum 1(4):233-234, 1988.
- 20. Govaerts, K. and Wilson, D.P. On Your Own. Diabetes Forecast 41(5):69-72, 1988.
- 21. **Wilson, D.P.** Sports Participation of Children with Diabetes Mellitus. Practical Reviews in Pediatrics (audio) Vol 11(9), Dec. 1988.
- 22. **Wilson, D.P.** and Stratton, R. *Ready, Set, Go for School Sports*. Diabetes Forecast 41(8):77-78, 1988.
- 23. Wilson, D.P., Carpenter, N.J. and Berkovitz, F. *Thyroid Function in Men with Fragile-X Linked Mental Retardation*. Am. J. of Med. Genet 31(4):733-734, Dec 1988.
- 24. Schaefer, F.V., Swartz-Boyd, J. and **Wilson, D.P.** *Growth Hormone: Past, Present and Future*. J. Okla State Med. Assoc. 82(4):159-164, Apr 1989.
- 25. Stromquist, C., Berkel, A.I., **Wilson, D.P.,** Gastorf, J. W. and Nierenberg, J. Serum Immunoglobulin and IgG Subclass Levels in Children and Adolescents with Insulin-Dependent Diabetes Mellitus. Acta Paediatr Scand 78(40: 639-40, Jul 1989.
- 26. Wilson, D.P., Jelley, D., Stratton, R. and Coldwell, J.G. Nephropathic Cystinosis: Improved Linear Growth after Treatment with Recombinant Human Growth Hormone. J of Pediatr 115(5,pt 11):758-761, Nov 1989.
- 27. Zekauskas, S., Boggs, M.B. and **Wilson, D.P.** Human Growth Hormone and Creutzfeld Jakob Disease. J Okla State Med Assoc Vol 83(9), 447-448. Sept 1990.

- 28. Schaefer, G.B., Greger, N.G., Fesmire, J.D., Blackett, P.R., **Wilson, D.P.** and Frindik, J.P. *Lipids and Apolipoproteins in Growth Hormone Deficient Children During Treatment*. Metabolism 43(12):1457-461, December 1994.
- 29. Blackett, P.R., Altmiller, D.H., Jelley, D. and **Wilson, D.P.** FH Tulsa –1 and –2: Two Unique Alleles for Familial Hypercholesterolemia Presenting in an affected Two Year Old African American Male. Am J Med Genet 59(3): 300-3, Nov 1995
- 30. Sherman, L., **Wilson, D.P.** How Short is Too Short? Compr Ther. Vol 21 (10): 610-5., Oct 1995.
- 31. Hardin DS, Stratton R, Kramer JC, Reyes del la Rocha S, Govaerts K, **Wilson DP**: "Growth Hormone Improves Weight Velocity and Height Velocity in Prepubertal Children with Cystic Fibrosis." Horm Metab Res 30(10):636-641, Oct 1998.
- 32. Pohl JF, Stephen M, **Wilson DP**. Pediatric obesity: impact and surgical management. South Med J. Aug 2006; 1999 (8):833-44.
- 33. **Wilson, D.P.**, Beeram, M., Hypothyroxinemia of prematurity: rite of passage or therapeutic necessity? *Thyroid Med* 96(11): 60-3. Nov 2000.
- 34. Drummond-Borg M, Aldis B, Johnson D, **Wilson DP**. Newborn screening for congenital hypothyroidism: the Texas experience. Tex Med. 2003 Sep;99 (9):50-2.
- 35. Wilson, D.P. and McNeal, C.J. Hyperlipidemia, Southern Medical Association, 2004.
- 36. McNeal C, Wilson DP. Overview: Pediatric lipid disorders. J Clin Lipidol. 2008 Jun;2(3):117. doi: 10.1016/j.jacl.2008.02.007.
- 37. Pohl JF, Anding j, Wong W, Grimes R, Varni JW, Olvera N, Bush J, Butte N, O'Rear J, Rajab MH, Watts M, Sun KH, Booth T, Kjar D, Burwinkle T, **Wilson D**, Klish W. Pediatric Obesity in Texas: Does the Texas Public School Nutrition Policy Affect Child Nutrition? Texas Medicine, 102. 2006.
- 38. Santiago JM, Hutchinson L, **Wilson DP.** Visual vignette. Endocr Pract. Jan-Feb 2007; 13(1):92.
- 39. McNeal C, **Wilson DP**. Metabolic syndrome and dyslipidemia in youth. J Clin Lipidol. 2008 Jun;2(3):147-55. doi: 10.1016/j.jacl.2008.04.005.
- 40. DeSalvo D, Pohl JF, **Wilson DP**, Bryant WP, Easley D, Greene J, Santiago J. Cholestasis secondary to panhypopituitarism in an infant. J Natl Med Assoc100(3):342-4, Mar 2008.
- 41. Varni JW, Limbers CA, Burwinkle TM, Bryant WP, **Wilson DP**. The ePedsQL in type 1 and type 2 diabetes: feasibility, reliability, and validity of the Pediatric Quality of Life Inventory Internet administration. Diabetes Care. Apr 2008;31(4):672-7. Epub 2008 Jan 9.

- 42. Stephen MD, Bryant WP, **Wilson DP**. Self-assessment of sexual maturation in children and adolescents with diabetes mellitus. Endocr Pract. 2008 Oct;14(7):840-5.
- 43. Varni JW, Limbers CA, Bryant WP, **Wilson DP**. The PedsQL Multidimensional Fatigue Scale in type 1 diabetes: feasibility, reliability, and validity. Pediatr Diabetes. 2009 Aug;10(5):321-8. doi: 10.1111/j.1399-5448.2008.00482.
- 44. Catherine J. McNeal, Tala Dajani, **Don Wilson**, Andrea E. Cassidy-Bushrow, Justin B. Dickerson, Marcia Ory. Hypercholesterolemia in Youth: Opportunities and Obstacles to Prevent Premature Atherosclerotic Cardiovascular Disease. Curr Atheroscler Rep (2010) 12:20–28.
- 45. James W Varni, Christine A Limber, Matthew Stephen, William P Bryant and **Don P Wilson**. Assessement of Fatigue in Pediatric Patients with Short Stature Utilizing the PedsQLTM Multidimentional Fatigue Scale. Children's Health Care. Volume 41, 2012 Issue 2
- 46. Varni JW, Limbers CA, Bryant WP, **Wilson DP**. The PedsQL multidimensional fatigue scale in pediatric obesity: feasibility, reliability and validity. Int J Pediatr Obes. 2010;5(1):34-42. doi: 10.3109/17477160903111706.
- 47. W. Virgil Brown, MD, **Don P. Wilson, MD**, Michael Freemark, MD, Peter O. Kwiterovich, MD. The use of lipid-lowering drugs in children. Journal of Clinical Lipidology (2010) 4, 449–461.
- 48. Catherine J McNeal, Lisa Underland, **Don P Wilson**, Piers R Blackett. Pediatric Lipid Screening. Clin Lipidology. 2013;8(4):425-436.
- 49. **Wilson, D. P.**, Blackett, P. R., & McNeal, C. J. (In press). Dyslipidemia, cardiovascular disease, and youth with diabetes. Lipid Spin.
- 50. **Wilson DP**, Gidding SS. Atherosclerosis: Is a cure in sight? J Clin Lipidol. 2015 Sep-Oct;9(5 Suppl):S1-4. doi: 10.1016/j.jacl.2015.06.010.
- 51. **Wilson DP**, Davis S, Matches S, Shah D, Leung-Pineda V, Mou M, Hamilton L, McNeal CJ, Bowman WP. Universal cholesterol screening of children in community-based ambulatory pediatric clinics. J Clin Lipidol. 2015 Sep-Oct;9(5 Suppl):S88-92. doi: 10.1016/j.jacl.2015.05.006.
- 52. Brautbar, A., Leary, E., Rasmussen, K., **Wilson, D. P.**, Steiner, R. D., & Virani, S. (2015). Genetics of familial hypercholesterolemia. Current Atherosclerosis Reports, 17(4), 491-015-0491-z. doi:10.1007/s11883-015-0491-z [doi]
- Jacobson, T. A., Ito, M. K., Maki, K. C., Orringer, C. E., Bays, H. E., Jones, P. H., McKenney, J. M., Grundy, S. M., Gill, E. A., Wild, R. A., Wilson, D. P., & Brown, W. V. (2015). National Lipid Association recommendations for patient-centered management of dyslipidemia: Part 1--full report. Journal of Clinical Lipidology, 9(2), 129-169. doi:10.1016/j.jacl.2015.02.003 [doi]

- 54. Wild R, Weedin EA, **Wilson D.** Dyslipidemia in pregnancy. Cardiol Clin. 2015 May;33(2):209-15. doi: 10.1016/j.ccl.2015.01.002.
- 55. **Wilson, D. P.**, McNeal, C., & Blackett, P. (2015). Pediatric dyslipidemia: Recommendations for clinical management. Southern Medical Journal, 108(1), 7-14. doi:10.14423/SMJ.000000000000219 [doi]
- 56. **Wilson DP**, McNeal C, Blackett P. Pediatric dyslipidemia: recommendations for clinical management. South Med J. 2015 Jan;108(1):7-14. doi: 10.14423/SMJ.00000000000219. Erratum in: South Med J. 2016 Feb;109(2):137.
- 57. Ahmad Z, **Wilson DP**. Familial chylomicronemia syndrome and response to medium-chain triglyceride therapy in an infant with novel mutations in GPIHBP1. J Clin Lipidol. 2014 Nov-Dec;8(6):635-9. doi: 10.1016/j.jacl.2014.08.010.
- 58. Jacobson TA, Ito MK, Maki KC, Orringer CE, Bays HE, Jones PH, McKenney JM, Grundy SM, Gill EA, Wild RA, **Wilson DP**, Brown WV. National Lipid Association recommendations for patient-centered management of dyslipidemia: part 1 executive summary. J Clin Lipidol. 2014 Sep-Oct;8(5):473-88. doi: 10.1016/j.jacl.2014.07.007.
- 59. Jacobson TA, Ito MK, Maki KC, Orringer CE, Bays HE, Jones PH, McKenney JM, Grundy SM, Gill EA, Wild RA, **Wilson DP**, Brown WV. National lipid association recommendations for patient-centered management of dyslipidemia: part 1--full report. J Clin Lipidol. 2015 Mar-Apr;9(2):129-69. doi: 10.1016/j.jacl.2015.02.003.
- 60. McNeal, C. J., Zachariah, J. P., Gregory, S., Cassidy-Bushrow, A. E., **Wilson, D. P.**, Tom, J. O., VanWormer, J. J., Wright, E. A., & Copeland, L. A. (2014). Identifying and reducing barriers to improve lipid screening in youth. Current Cardiovascular Risk Reports, 8(8), 1-7.
- 61. **Wilson DP**, Gidding SS. Learning more about dyslipidemia in childhood. J Pediatr. 2014 Mar;164(3):442-4. doi: 10.1016/j.jpeds.2013.11.030.
- 62. **Wilson, D. P.**, McNeal, C. J., Willcutts, M., Le, N., Pourfarzib, R., & Winegar, D. (2014). Identifying insulin resistant children utilizing lipoprotein-based measurements. Journal of Clinical Lipidology, 8(3), 300-301.
- 63. McNeal CJ, Toth PP, **Wilson DP**. Hot Topics in Primary Care: Familial Hypercholesterolemia in Youth. J Fam Pract. 2015 Dec;64(12 Suppl):S22-30. Review.
- 64. Harold E. Bays, MD, FTOS, FACC, FACE, FNLA*, Peter H. Jones, MD, FACP, FNLA, Carl Orringer, MD, FNLA, et. al. National Lipid Association Annual Summary of Clinical Lipidology 2015. Volume 8, Issue 6, Supplement, November–December 2014, Pages S1–S36
- 65. Shah AS, **Wilson DP**. Primary hypertriglyceridemia in children and adolescents. J Clin Lipidol. 2015 Sep-Oct;9 (5 Suppl):S20-8. doi: 10.1016/j.jacl.2015.04.004.

- 66. Blackett PR, **Wilson DP**, McNeal CJ. Secondary hypertriglyceridemia in children and adolescents. J Clin Lipidol. 2015 Sep-Oct;9(5 Suppl):S29-40. doi: 10.1016/j.jacl.2015.04.006.
- 67. Catherine J McNeal, M.D., PhD, **Don P Wilson, M.D**. and Peter Toth, M.D., PhD. JFP Review Article Familial Hypercholesterolemia (FH) in Children and Youth. Dec 2015. Vol 64, No 12. Suppl. to the Journal of Family Practice.
- 68. Terry A. Jacobson, MD; Matthew K. Ito, PharmD; Kevin C. Maki, PhD; Carl E. Orringer, MD; Harold E. Bays, MD; Peter H. Jones, MD; James M. McKenney, PharmD; Scott M. Grundy, MD, PhD; Edward A. Gill, MD; Robert A. Wild, MD, PhD; **Don P. Wilson, MD**; W. Virgil Brown, MD. National Lipid Association Recommendations for Patient-Centered Management of Dyslipidemia: Part 2 Full Report. Journal of Clinical Lipidology. Journal of Clinical Lipidology (2015) 9, S1–S122.
- 69. Harold E. Bays, MD, FTOS, FACC, FACE, FNLA*, Peter H. Jones, MD, FACP, FNLA, Carl Orringer, MD, FNLA, et. al. National Lipid Association Annual Summary of Clinical Lipidology 2016. Volume 10, Issue 1, Supplement, January–February 2016, Pages S1–S43.
- 70. Wild R, Weedin EA, **Wilson D**. Dyslipidemia in Pregnancy. Endocrinol Metab Clin North Am. 2016 Mar;45(1):55-63. doi: 10.1016/j.ecl.2015.09.004.
- 71. Alejandro De La Torre, MD and **Don P. Wilson, MD, FNLA**, Piers R Blackett MD, and Catherine J McNeal, M.D., PhD. Cardiovascular Disease Risk in Youth with Metabolic Syndrome. Lipid Spin. Fall, 2015.
- 72. Liebeskind A, **Wilson DP**. Sitosterolemia in the Pediatric Population. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Aug 13
- 73. Patni N, Ahmad Z, **Wilson DP**. Genetics and Dyslipidemia. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Sep 19.
- 74. Williams LA, **Wilson DP**. Nutritional Management of Pediatric Dyslipidemia. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Jun 22.
- 75. Patni N, **Wilson DP**. Cerebrotendinous Xanthomatosis. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Aug 13.

- 76. **Wilson DP**. Is Atherosclerosis a Pediatric Disease? In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Aug 10.
- 77. Piers Blackett, **Wilson DP**, McNeal C. Secondary Hypertriglyceridemia. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Jun 23.
- 78. Shah AS, **Wilson DP**. Genetic Disorders Causing Hypertriglyceridemia in Children and Adolescents. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Jun 23.
- 79. Desai NK, **Wilson DP**. Lysosomal Acid Lipase Deficiency. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2016 Jun 22.
- 80. Leung-Pineda V, **Wilson DP**. Severe Hypercholesterolemia and Cutaneous Xanthomas in a 3-Year-Old Boy. Clin Chem. 2016 Jun;62(6):899-900. doi: 10.1373/clinchem.2015.250431.
- 81. Patel AM, Brautbar A, Desai NK, **Wilson DP**. Severe hypercholesterolemia and liver disease in a 3-year old. J Clin Lipidol. 2016 May-Jun;10(3):650-3. doi: 10.1016/j.jacl.2015.12.020.
- 82. Williams L, **Wilson DP**. Editorial commentary: Dietary management of familial chylomicronemia syndrome. J Clin Lipidol. 2016 May-Jun;10(3):462-5. doi: 10.1016/j.jacl.2015.12.023.
- 83. Knoelle Park, MS-2, Jan D. Marshall, MS, Miranda Loh, MS-4, Michael Willcutts, MD and **Don P. Wilson, MD**. Severe Insulin Resistance and Recurrent Pancreatitis in an 18 year old with Alström Syndrome. Journal of Rare Disorders, Vol. 4, Issue 1, 2016
- 84. Swami Sundaresan, MS, Devona Martin, MD and **Don P. Wilson, MD**. Recurrent Hyponatremia in a 16 Year Old Female with Acute Intermittent Porphyria. J of Rare Diseases.
- 85. **Don P. Wilson, MD**, Alejandro de la Torre, MD, and Ariel Brautbar, MD. "Screening for Genetic Mutations in Children and Adolescents with Dyslipidemia: Importance of Early Identification and Implications of Missed Diagnoses". Expert Opinion on Orphan Drugs. Volume 4, 2016 Issue 7

Abstracts

- 1. Mallette, L.E., **Wilson, D.P.** and Kirkland, J. *Measurement of Human Parathyroid Hormone (44-53) Immunoreactivity with Humologous Antiserum*. Endocrine Society, 1980.
- 2. Holmes, L., Cheek, J. and **Wilson, D.P.** Evaluation of a Commercial Glucose Oxidase Reagent Strip. Diabetes 31, Supp. 2:401, 1982.
- 3. **Wilson, D.P.,** Endres, R.K., Fesmire, J.D. and Blackett, P.R. *Increases in HDL Cholesterol, (HDL_c) and Apolipoprotein A-1(apo A-1) after Increasing the Frequency of Insulin Administration and the Total Daily Dose.* Diabetes 31, 2:594, 1982.
- 4. **Wilson, D.P.,** Horowitz, J. and Endres, R.K. *Evaluation of Carbohydrate Intolerance in Patients with Gonadal Dysgenesis*. Clin Res 30(5):898A, 1982.
- 5. Schoenefeld, D. and **Wilson, D.P.** *Microcomputer Assisted Growth Evaluation*. Endocrine Society, 1983.
- 6. **Wilson, D.P.** and Endres, R.K. Compliance with Home Glucose Monitoring in Children with Diabetes Mellitus. Southern Society for Pediatric Research. 1983
- 7. **Wilson, D.P.,** Malik, S. and Horowitz, J. *Somatomedin-C Response to Metered Exercise Tolerance*. Southern Society for Pediatric Research. 1983
- 8. **Wilson, D.P.** and Coldwell, J.G. *Tulsa Collaborative Newborn Screening*. Clinical Research 31(5), 1983.
- 9. **Wilson, D.P.,** Brown, J. and Say, B. *Genital Hypoplasia in Males with the CHARGE Association*. Human Genetics, 37(4):A82, 1985.
- Stratton, R., Wilson, D.P. and Endres, R.K. Changes in Blood Glucose with Aerobic an Recreational Exercise in Type I Diabetes Mellitus. Clinical Research, December, 34(1):252A, 1986.
- 11. Stratton, R., **Wilson, D.P.,** Endres, R.K., and Goldstein, D. *Glycosylated Serum Albumin: An Index of Exercise Induced Improvement in Diabetic Control.* Medicine and Science in Sports and Exercise. 18(2)Supplement:S70, 1986.
- 12. Stromquist, C., Berkel, A.I., **Wilson, D.P.** and Gastorf, J.W. *IgG Subclasses in Children and Adolescents with Type I Diabetes*. Pediatric Research, 1987.
- 13. Stratton, R., **Wilson, D.P.,** Endres, R.K. and Horowitz, J. *Exercise-Induced Reduction in Glycosylated Serum Albumin with no Charge in Total Plasma Albumin in Adolescents with Insulin-Dependent Diabetes Mellitus*. Medicine and Science in Sports and Exercise, 19(2):5-74, 1987.

- Schaefer, F.S., Wilson, D.P. and Swartz, J.C. Diagnosis of Isolated Growth Hormone Deficiency Type 1A (IGHD 1A) with Recombinant DNA Probe to the Growth Hormone Gene. Am. J. of Human Genetics, 41(3):A81, supp., 1987.
- Stratton, R., Wilson, D.P, Endres, R.K. and Lantz, G. Use of Vagal Tone Monitoring in the Assessment of Diabetic Autonomic Neuropathy. OU-Tulsa Medical College Research Day, 1987.
- 16. Govaerts, K. and **Wilson, D.P.** Application of Behavioral Techniques in the Management of IDDM. OU-Tulsa Medical College Research Day, 1987.
- 17. Chetty, D., Horowitz, J., Holocombe, J. and **Wilson, D.P.** Low Dose Estrogen Therapy in Turner Syndrome. OU-Tulsa Medical College Research Day, 1987.
- Berkel, I., Nierenberg, J. and Wilson, D.P. DiGeorge Syndrome: Spontaneous Improvement in Cell Mediated Immunity. OU-Tulsa Medical College Research Day, 1987.
- Stratton, R., Wilson, D.P. and Endres, R.K. Early Assessment of Diabetic Autonomic Neuropathy in Children and Adolescents. OU-Tulsa Medical College Research Day, 1988.
- 20. Govaerts, K., Stratton, R., Endres, R.K. and **Wilson, D.P**. Changes in Glycohemoglobin Following Initial Treatment of Insulin-Dependent Mellitus. OU-Tulsa Medical College Research Day, 1988.
- 21. Horowitz, J., Stratton, R. and **Wilson, D.P.** Correlation Between 12-hour and 24-hour Studies for Growth Hormone Release. OU-Tulsa Medical College Research Day, 1988.
- 22. Jelley, D., Coldwell, J.G. and **Wilson, D.P.** Nephropathic Cystinosis: Response to Biosynthetic Growth Hormone Therapy. OU-Tulsa Medical College Research Day, 1988.
- 23. Christensen, J., Stratton, R., **Wilson, D.P.** and Endres, R.K. *Diet Prescriptions and Adjustments for Summer Camp in Diabetic Children and Adolescents*. OU-Tulsa Medical College Research Day, 1988.
- 24. Zekauskas, S. and **Wilson, D.P.** Pseudofamilial Growth Hormone Deficiency. OUTulsa Medical College Research Day, 1988.
- 25. Leach, J., Koljack, K. and **Wilson, D.P.** Congenital Absence of the Penis. OU-Tulsa Medical College Research Day, 1989.
- 26. Cyrus, K., Ramsey, S., Stratton, R. and **Wilson, D.P.** Body Mass Index in Adolescent Females with Insulin-Dependent Diabetes Mellitus (IDDM). OU-Tulsa Medical College Research Day, 1989.

- 27. Horowitz, J., Foster, J., Stratton, R., and **Wilson, D.P.** *Glycosylated Hemoglobin Trends in Children and Adolescents with Insulin Dependent Diabetes Mellitus (IDDM).* OUTulsa Medical College Research Day, 1989.
- 28. Foster, J., Stratton, R., **Wilson, D.P.,** Schaefer, G.B. and Kemp, S.F. *Predicting Response to Growth Hormone (GH) Treatment*. OU-Tulsa Medical College Research Day, 1989.
- 29. Bryant, W., **Wilson, D.P.,** Hubner, D. and Stratton, R. *Accuracy and Precision of Newer Home Blood Glucose Monitors*. OU-Tulsa Medical College Research Day, 1989.
- 30. Govaerts, K. and **Wilson, D.P.** Neuropsychological Functioning in Children with Nephropathic Cystinosis. OU-Tulsa Medical College Research Day, 1989.
- 31. Stratton, R., **Wilson, D.P.** and Endres, R.K. Changes in Autonomic Function Associated with Glycosylated Hemoglobin Changes in Diabetic Adolescents. OU-Tulsa Medical College Research Day, 1989.
- 32. **Wilson, D.P.** and Coldwell, J.G. *Vitamin-D Dependent Rickets, Hyperthyroidism, and Infantile Hypophophantasia (IH)*. OU-Tulsa Medical College Research Day, 1989.
- 33. Zekauskas, S. and **Wilson, D.P.** *Growth Screening for Short Stature*. OU-Tulsa Medical College Research Day, 1989.
- 34. Kukas, L., Cyrus, K. and **Wilson, D.P.** Patients treated with Protroping Comparing Data from Children's Medical Center, Tulsa, Oklahoma with National Cooperative Growth Study. OU-Tulsa Medical College Research Day, 1989.
- 35. Endres, R.K., Stratton, R., Horowitz, J. and **Wilson, D.P.** *Lipid Profile in Children and Adolescents with IDDM.* OU-Tulsa Medical College Research Day, 1989.
- 36. Jelley, D., **Wilson, D.P.** and Breman, R. *PTU Toxicity*. OU-Tulsa Medical College Research Day, 1989.
- 37. Foster, J., Boyd, C., Duvall, D. and **Wilson, D.P.** Response to Biosynthetic Growth Hormone in Naïve "GH Deficient" vs. "Idiopathic" Short Stature Children. OU-Tulsa Medical College Research Day, 1990.
- 38. **Wilson, D.P.,** Boyd, C., Kramer, J., Reyes, J. and Horowitz, J. *Use of Recombinant Human Growth Hormone (rhGH) in Children and Adolescents with Cystic Fibrosis.* OUTulsa Medical College Research Day, 1990.
- 39. Kasprisin, D., **Wilson, D.P.**, O'Quinn, M. and Cooper, C. *Plasmapheresis in Homozygous Familial Hypercholesterolemia*. OU-Tulsa Medical College Research Day, 1990.

- 40. Swartz-Boyd, J., **Wilson, D.P.** and Schaefer, F.V. *Incidence of Isolated Growth Hormone Deficiency Type 1A in the Midwest Population*. Am. Society of Human Genetics, 1988.
- 41. Schaefer, F.V., Swartz-Boyd, J.C., **Wilson, D.P.** and Roe, B. Sequence Variations in the Regulatory Sequences of Growth Hormone Releasing Factor (GHRF). Am. Society of Human Genetics.
- 42. Govaerts, K., Stratton, R. and **Wilson, D.P.** Changes in Glycohemoglobin Following Initial Treatment of Insulin-Dependent Diabetes Mellitus. Proceedings of the Southern Medical Association, p. 135, 1988.
- 43. Horowitz, J., Stratton, R. and **Wilson, D.P.** Correlation Between 12-hour and 24-hours Studies for Growth Hormone Release. Proceedings of the Southern Medical Association, p. 134, 1988.
- 44. Stratton, R., **Wilson, D.P.** and Endres, R.K. Heart Rate Variability Scores in Children and Adolescents with Insulin-Dependent Diabetes Mellitus. Proceedings of the Southern Medical Association, p. 134, 1988.
- 45. Stratton, R., **Wilson, D.P.** and Endres, R.K. *Early Assessment of Diabetic Autonomic Neuropathy in Children and Adolescents*. Diabetes 37 (supp 1): 237A, 1988.
- 46. Jelley, D., **Wilson, D.P.,** Stratton, R. and Coldwell, J.G. *Nephropathic Cystinosis:* Reponse to Biosynthetic Growth Hormone (rhGH). Clinical Research 37(1), 1989.
- 47. Stratton, R., Govaerts, K. and **Wilson, D.P.** Apolipoprotein Changes with a Normal Exercise Program in Insulin-Dependent Adolescents. Diabetes 138, Supp. 22:213A, 1989.
- 48. Wilson, D.P., Stratton, R. and Endres, R.K. Changes in Autonomic Function Associated with HgbA1 Changes in Adolescents with IDDM. Diabetes 38, Supp. 2:25A, 1989.
- 49. Schaefer, G.B., Blackett, P.R., Frindik, J.P. and **Wilson, D.P.** Short Term and Intermediate Effects of Growth Hormone Upon Apolipoprotein Status. NCGS Symposium IV, 1989.
- 50. Schaefer, G.B., Ransom, G., Garnica, A., **Wilson, D.P.** and Seely, J. *Increased Incidence of 21-Hydroxylase Deficiency among the American Indians of Oklahoma*.
- 51. Schaefer, G.B., Blackett, P.R., Frindik, J.P. and **Wilson, D.P.** Short Term and Intermediate Effects of Growth Hormone Upon Apo-lipo Protein Status. NCGS Symposium IV, 1989.
- 52. **Wilson, D.P.,** Stratton, R., Boyd, C., Kramer, J., Reyes, J., and Horowitz, J. *Use of Recombinant Human Growth Hormone (rhGH) in Children with Cystic Fibrosis*. National Cooperative Growth Study Symposium V. (Poster Presentation) Ft. Lauderdale. Nov 10-13, 1990.

- 53. **Wilson, D.P.,** Schaefer, B., Kemp, S., and Stratton, R. *Response to Biosynthetic Growth Hormone Therapy in "GH-Deficient" vs. "Non-Deficient" Children.* (Oral Presentation) Southern Society for Pediatric Research. New Orleans, Louisiana. November 19, 1990.
- 54. Schaefer, G.B., Blackett, P.R., Frindik, J.P. and **Wilson, D.P.** Short Term and Intermediate Effects of Growth Hormone Upon Alipoprotein Status. (Oral Presentation) Society for Pediatric Research. New Orleans, Louisiana. November 18, 1990.
- 55. Sullivan, S., R.N., B.S.N.; Gonzalez, M., R.N., B.S.N.; and **Wilson, D., M.D.** School Based Growth Screening The CCISD Project. 1993 National Cooperative Growth Study Meeting (NCGS).
- 56. **Wilson, D.** *Kids and Cholesterol.* 1994 Texas Public Health Association Meeting. Corpus Christi, Texas. March 1, 1994.
- 57. Sherman, L., **Wilson, D.P.,** Zamir, A., Sullivan, S. and Timperlake, R. Spinal Cord Injury An Unusual Complication in a Patient with Cushing's Disease (ABS). Eight Annual Investigators Meeting. NCGS. University of South Florida. October 27-30, 1994.
- 58. **Wilson D**, Lukefahr J, Swarup J, and Zapalac P. Accuracy of portable blood glucose monitoring devices. Costal Bend Medicine. 1995
- 59. Berenguer, A., Burke, M., Summers, M. and **Wilson, D.P.** *Diencephalic Syndrome: Are Humral Factors Responsible for Emaciation?* Pediatric Endocrine Society of Texas, Oklahoma, and Louisiana. Dallas, Texas. April 19, 1996.
- 60. McNeal CJ, Houck PD, Mixon T, **Wilson DP.** The Effects of Lipid Lowering Therapy on Endothelial Function in Children with Hypercholesterolemia. 2003.
- 61. McNeal CJ, **Wilson DP**, Meininger CJ, MacFarlane, Farwig ZN. The Effects of Simvastatin on Endothelial Function in Children with Hypercholesterolemia. 2003.
- 62. Adrenoleukodystrophy. Cora Hizon, M.D., Saunder M. Bernes, M.D., **Don P. Wilson**, M.D. University of Arizona College of Medicine. 2nd Place Award -Research Excellence Day.
- 63. Hemoglobin A1c and glucose response during OGTT among healthy, prediabetic, and diabetes. Shaibi, Hackett, Monge, Miller, **Wilson**, and Mandarino. Abstract--Obesity Society Annual Meeting.
- 64. Awareness of cardiovascular risk factors by pediatric health care providers. Sonali Belapukar, M.D. and **Don P. Wilson, M.D.** European Society of Pediatric Endocrinology, 49th Annual Meeting, September 2010, Prague, Czech Republic.
- 65. Osteopetrorickets. Sonali Belapukar, M.D. and **Don P. Wilson, M.D**. University of Arizona College of Medicine. 1st Place Award Research Excellence Day.

- 66. An academic-community-clinic partnership to reduce weight in Hispanic youth: FIT for Health. Heather Kitzman-Ulrich, PhD and **Don P. Wilson, M.D**. TPHA 2014 Annual Educational Conference.
- 67. Mou, M., **Wilson, D. P.**, Davis, S., Matches, S., Shah, D., Leung-Pineda, V., Suzuki, S., McNeal, C. J., & Bowman, W. P. (2015). Universal cholesterol screening of all 9- to 11-year-old children in community-based ambulatory pediatric clinics. Journal of Clinical Lipdology, 9(3), 443.
- 68. Diabetes mellitus in a 12-year-old Vietnamese American female with congenital hyperinsulinism (ABCC8). Jennigale Webb, MS-4, Paul Thornton, M.D. and **Don P Wilson, M.D., FNLA.** Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 69. A 3-Year-Old with Severe Hypercholesterolemia. Amol Patel, MS-2, Alejandro de la Torre, M.D., Ariel Brautbar, M.D. and **Don P. Wilson, M.D., FNLA**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 70. Iodine: A Catalyst for Transient Congenital Hypothyroidism. Nayana Baby, MS-2, John Dallas, M.D. and **Don P. Wilson, M.D., FNLA**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 71. Cost and LOS Comparison for Treatment of Diabetic Ketoacidosis (DKA) in Individuals < 18 Years of Age. Susan Hsieh, M.D., Paul Thornton, M.D., Shane Fernando, M.D. and **Don P. Wilson, M.D., FNLA**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 72. Universal Screening of all 9-11 yr old Children for Hypercholesterolemia in Community Based Ambulatory Pediatric Clinics. Margaret Mou, MS-4, **Don P. Wilson M.D.,FNLA**, Sharon Davis, D.O., Sarah Matches, D.O., Deep Shah, M.D., Van Leung-Pineda, PhD, Sumihiro Suzuki, PhD, Catherine J. McNeil, M.D., PhD, and Paul Bowman, M.D. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 73. Primary Pigmented Nodular Adrenal Disease An Usual Cause of Cushing's Syndrome. Sameer Prakash, MS-2, Nicole Maxie, MS-3, Melanie Russ, RN, James Friedman, M.D., James P Miller, M.D. and **Don P. Wilson, M.D**., FNLA. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.

- 74. Pediatric Cardiovascular Screening. Margaret Mou, MS-4 and **Don Wilson, M.D., FNLA**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 75. Readmission rates for DKA. Peter Deleeuw, MS-2, Paul Thornton, M.D., Susan Hsieh, M.D., Jose Gonzalez, M.D. and **Don Wilson, M.D., FNLA**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 76. Severe insulin resistance in Ahlstrom's syndrome. Knoelle Park, MS-2, Michael Willcutts, M.D., and **Don Wilson, M.D**. Presented at the Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24-25, 2015. Dallas Texas.
- 77. Optimizing Glycemic Control in Hospitalized Children with Diabetes. Jason Evans, Pharm.D., Lorrainea Williams, Pharm.D., Kelli Goree, R.N., Pavani Akundi, Paul Thornton, M.D. and **Don P. Wilson, M.D**. 2015 ASHP Medication Safety Collaborative meeting. June 9th, 2015. Denver, Colorado.
- 78. Diabetes mellitus in a 12-year-old Vietnamese American female with congenital hyperinsulinism (ABCC8). Jennigale Webb, MS-4, Paul Thornton, M.D. and **Don P Wilson, M.D., FNLA**. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 79. A 3-Year-Old with Severe Hypercholesterolemia. Amol Patel, MS-2, Alejandro de la Torre, M.D., Ariel Brautbar, M.D. and **Don P. Wilson, M.D., FNLA**. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 80. Iodine: A Catalyst for Transient Congenital Hypothyroidism. Nayana Baby, MS-2, John Dallas, M.D. and **Don P. Wilson, M.D.**, FNLA. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 81. Universal Screening of all 9-11 yr old Children for Hypercholesterolemia in Community Based Ambulatory Pediatric Clinics. Margaret Mou, MS-4, **Don P. Wilson M.D.,FNLA**, Sharon Davis, D.O., Sarah Matches, D.O., Deep Shah, M.D., Van Leung-Pineda, PhD, Sumihiro Suzuki, PhD, Catherine J. McNeil, M.D., PhD, and Paul Bowman, M.D. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 82. Primary Pigmented Nodular Adrenal Disease An Usual Cause of Cushing's Syndrome. Sameer Prakash, MS-2, Nicole Maxie, MS-3, Melanie Russ, RN, James Friedman, M.D., James P Miller, M.D. and **Don P. Wilson, M.D., FNLA**. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 83. Pediatric Cardiovascular Screening. Margaret Mou, MS-4 and Don Wilson, M.D., FNLA.

- 84. Readmission rates for DKA. Peter Deleeuw, MS-2, Paul Thornton, M.D., Susan Hsieh, M.D., Jose Gonzalez, M.D. and **Don Wilson, M.D., FNLA**. Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 85. Severe insulin resistance in Ahlstrom's syndrome. Knoelle Park, MS-2, Michael Willcutts, M.D., and **Don Wilson, M.D.** Research Appreciation Day. University of North Texas Health Sciences Center. April, 17th, 2015. Fort Worth Texas.
- 86. A 3-Year-Old with Severe Hypercholesterolemia. Amol Patel, MS-2, Alejandro de la Torre, M.D., Ariel Brautbar, M.D. and **Don P. Wilson, M.D., FNLA**. The Journal of Clinical Lipidology. National Lipid Association's Annual Scientific Meeting. June 11-14, 2015. Chicago, Illinois.
- 87. Pediatric Cardiovascular Screening. Margaret Mou, MS-4 and **Don Wilson, M.D.,** FNLA. The Journal of Clinical Lipidology. May–June, 2015Volume 9, Issue 3, Pages 443–444. National Lipid Association's Annual Scientific Meeting. June 11-14, 2015. Chicago, Illinois.
- 88. The Prevalence of Dyslipidemia and other Cardiovascular Risk Factors in Youth with Diabetes. Amelia Vinson, R.N., **Don P. Wilson, M.D., FNLA**, Crystal M. O'Reilly, Jose Gonzalez, M.D., Alejandro de la Torre, M.D., and Ariel Brautbar, M.D. The Journal of Clinical Lipidology. May–June, 2015 Volume 9, Issue 3, Page 417.
- 89. Universal Cholesterol Screening (UCS) in youth. Margaret Mou, MS-4, **Don P. Wilson**, MD, FNLA, Sharon Davis, DO, Sarah Matches, DO, Deep Shah, MD, Van Leung-Pineda, PhD, Sumihiro Suzuki, PhD, Catherine J. McNeal, MD, PhD, Paul Bowman, MD, Fort Worth, TX. The Journal of Clinical Lipidology. May–June, 2015Volume 9, Issue 3, Page 443.
- 90. Hyperinsulinism Secondary to Congenital Disorder of Glycosylation Type 1b. Woongsoon Choi, MS, Paul Thornton, MD, Alice Basinger, MD, PhD, James G. Coldwell, MD, Luke Hamilton, and **Don Wilson, MD**. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 91. Two Siblings with Rare Lipid Disorder Complicated by Arrhythmias. Mir Ali, MS, Alejandro De La Torre, MD, Ariel Brautbar, MD, Luke Hamilton, MS, and **Don Wilson, MD.** Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 92. Severe Salt Wasting in a 16-day-old Male. Luke Cielonko, MS, **Don Wilson, MD**, Luke Hamilton and Alejandro de la Torre, MD. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 93. Use of Pamidronte in Subcutaneous Fat Necrosis-Associated Hypercalcemia. E. Bowden, MPH, M. Drake, MS, J. Radack, MD, R. Hamilton, M.D., L. Hamilton, MS, S.

- Sharatz, M.D. and **D. Wilson, MD.** Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 94. Treatment of Severe Hypercalcemia with Intravenous Bisphosphonate in Williams Syndrome. Kari Galipp, MS, Teena Thomas, MD, Luke Hamilton, MS, and **Don Wilson**. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 95. Mucolipidosis Type II (I-Cell disease). H. Dehbozorgi, BS, A. Brautbar, MD, L. Hamilton, MS and **D. Wilson, MD**. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 96. HbA1c vs FPG and 2-Hour OGTT Glucose in Identifying Dysglycemia in Obese Youth. Ngan Kim Huynh, Alejandro DeLaTorre, MD, Luke Hamilton, MS and **Don Wilson, MD**. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 97. Growth Hormone Treatment of 2 Siblings with Rapadilino Syndrome. Daryl McKee, MS, Susan Hsieh, MD, Margaret Drummondborg, MD, Luke Hamilton, MS, and **Don Wilson**, MD. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas
- 98. Readmission Rates for Children with Diabetic Ketoacidosis (DKA). Luke Hamilton, M.S., Paul Thornton, M.D., Jose L. Gonzalez, M.D., J.D., M.S.Ed., Susan Hsieh, M.D., and **Don P. Wilson, M.D.** Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. January 22-24, 2016. Fort Worth, Texas.
- 99. Jarvis, T., Brautbar, A., Hamilton, L., Ahmad, Z., & **Wilson, D. P.** Genetic mutation of the LDL-C receptor without hypercholesterolemia. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. February 24-26, 2017. Houston, Texas.
- 100. Ahn, S., Thornton, P., Hamilton, L., Ahmad, Z., & Wilson, D. P. Gynecomastia and partial androgen insensitivity syndrome (PAIS). Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. February 24-26, 2017. Houston, Texas.
- 101. Patel, R., Margraf, L., Alfonso, C. S., Hamby, T., Hamilton, L., & Wilson, D. P. Role of perimortem testing and autopsy in children with unexplained illnesses. Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. February 24-26, 2017. Houston, Texas.
- 102. Walls, J., De La Torre, A., Hamby, T., Hamilton, L., & **Wilson, D. P.** Thyrotoxicosis presenting as hypokalemic periodic paralysis in a previously healthy 14-year-old male.

Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) Annual Scientific Meeting. February 24-26, 2017. Houston, Texas.

State/ National Committee Publications

AZAAP White Paper: Recommendations for childhood obesity prevention, assessment, and treatment. Renee Bartos, M.D., M.P.H., Chair, Don P. Wilson, M.D., Pediatric Endocrinologist, Phoenix Children's Hospital--Expert panel member.

AAP Primary Care Obesity Registry: A path to improved outcomes for children, adolescents, and young adults. Don P. Wilson, M.D., Pediatric Endocrinology and Diabetes, Phoenix Children's Hospital. National Committee Member

Book Chapters

Hobbs, S.A. and **Wilson, D.P.** *Atypical Eating Disorder in Child Behavior Therapy Casebook.* M. Hersen and C. Laot (eds), Plenium, New York.

McNeal CJ, Wu G, Vasquez S, **Wilson DP**, Satterfield MC, McKnight JR, Malbari H, Rahman M. The role of arginine for treating obese youth. In: Bagchi D (ed). Global View on Childhood Obesity: Current Status, Consequences and Prevention. San Diego, CA: Academic Press; 2011, pp 433-442.

Adrenal disorders. Jose L. Gonzalez, MD, MSEd, JD and **Don P. Wilson, MD**. University of Hawaii, John A. Burns School of Medicine. June 2013.

Dyslipidemia: A Clinical Approach. Lipid Management in Special Populations Children and Adolescents - Step-by-Step Evaluation and Management Plan. **Don P. Wilson MD, FNLA,** Catherine McNeal, MD, PhD and Piers R. Blackett, MD

Managing Pediatric Dyslipidemia. AAP Common Cardiac Issues in Pediatrics. Samuel S. Gidding MD and **Don P. Wilson MD., FNLA**

Book Reviews

Wilson, D. The Sun, the Rain, and the Insulin: Growing up with Diabetes. <u>Diabetes Spectrum</u>, Volume 9, Number 3, 1996.

Wilson, D. Pediatric Obesity. Michael Freemark, M.D., Editor.

Enduring Material

Pediatric Dyslipidemia - Guidelines and Controversies. 06/12/2015. Chicago Illinois.

National lipid Association Town Hall - Recognizing Lysosomal Acid Lipase Deficiency in Your Practice: Case Presentation. Medscape. A 1-hour live symposium presented by a panel of 3 key opinion leaders, along with an enduring webcast. Saturday, June 13, 2015. Chicago

Illinois. http://www.medscape.org/viewarticle/846314

A 3-Year-Old with Severe Hypercholesterolemia. Rare Disease Report, an online news service for physicians. Saturday, 06/13/2015. Chicago Illinois http://www.raredr.com/conferences/nla2015/3-Year-Old-Severe-Hypercholesterolemia

Familial Chylomicroemia Syndrome. Rare Disease Report, an online news service for physicians. Saturday, 06/13/2015. Chicago Illinois http://www.raredr.com/conferences/nla2015/3-Year-Old-Severe-Hypercholesterolemia

Spotlight on hypercholesterolemia: New Ways to Test and Treat. Healio.com Cardiology Today Educational Lab. August 2015. Los Angeles, California

Lipid Disorders in Children. Human Growth Foundation. hgfound.org/

On-line CME Professional Education:

Identifying and Treating Children with Diabetes. Medical Editor. CME online education for primary care providers:type 1 and type 2 diabetes mellitus. Texas Department of State Health Services (DSHS). 2009.

Guest Editor

EndoText. Diagnosis and Treatment of Lipid Disorders in Children and Adolescents. Don P. Wilson, M.D., Editor

- 1. Introduction Is Atherosclerosis a Childhood Disease? Don P. Wilson, MD
- 2. Genetics and Dyslipidemia. Zahid Ahmad, MD, Don P. Wilson MD
- 3. Lifestyle Modification. Lauren Williams, RD and Don P. Wilson, MD
- 4. Lysosomal Acid Lipase Deficiency. Nirav K. Desai, MD, Don P. Wilson, MD
- 5. Sitosterolemia. Ann Liebeskin, MD, Don P. Wilson, MD
- 6. Cerebrotendinous Xanthomatosis. Don P. Wilson, MD
- 7. Congenital Hypertriglyceridemia. Amy Shaw MD, Don P. Wilson, MD
- 8. Acquired Hypertriglyceridemia. Piers Blackett MD, Don P. Wilson, MD, Catherine McNeal, MD, PhD

Professional Journals

Editorial Boards

Diabetes Forecast - National Diabetes Association	1990-1993
Journal of Clinical Lipidology – Associate Editor	2008-present
Journal of Pediatrics	2008-present
Pediatrics	2009 - present

Reviewer

Diabetes_Metabolism Research and Reviews
Journal of Clinical Lipidology
The Journal of Pediatrics
Pediatrics

Clinical Endocrinology

Research Mentoring

1. University of North Texas, Fort Worth, Texas

2013

Margaret Mou, University of North Texas

2014

Nicole Maxie, University of North Texas Jennigale Webb, University of North Texas Knoelle Park, University of North Texas Nayana Baby, University of North Texas Amol Patel, University of North Texas Peter Deleeuw, University of North Texas

2015

Luke Cielonko, University of North Texas Mir Ali, University of North Texas John Choi, University of North Texas Daryl McKee, University of North Texas Ngan Kim Huynh, University of North Texas Kari Galipp, MS, University of North Texas

2016

Jenna Walls, University of North Texas Reema Patel, University of North Texas Sam Ahn, University of North Texas Todd Jarvis, University of North Texas

2. University of Texas, Houston, Texas

2014

Swaminathan Sundaresan, University of Texas

3. Baylor/Texas A&M University, Dallas, Texas

2014

Emily C. Bowden, Baylor/Texas A&M

4. University of North Texas – Research Scholar's Program

2014-2015

Peter Deleeuw, University of North Texas 2015-2016 Todd Jarvis, University of North Texas

Grants

1. **Wilson, DP -** Principle Investigator

1993

Corpus Christi Independent School District. Feasibility of School Health Screening. \$10,000.

2. Wilson, DP -Co-Investigator

1994 – 1999

Genentech National Cooperative Growth Study Post Marketing Surveillance Program for Protropin. \$1,200.

3. **Wilson, DP** - Principle Investigator

1999

1999

Use of School Screening in the Evaluation of Childhood Growth. CareMark. \$2,115

- 4. **Wilson, DP** Principle Investigator Growth and Growth Disorders. Genetech Nursing Grant. \$50,000.
- 5. Wilson, DP Co-Investigator

1999 –2005

The aim of this multicenter study is to assess the long- term safety and growth response of children treated with Genotropin and to establish a database suitable for investigation of questions that remain unanswered in this therapeutic area. Pharmacia Pharmacy, Inc Kabi International Growth Study

6. Wilson, DP - Co-Investigator

1999 - 2005

The Effects of Lipid Lowering Therapy on Endothelial Dysfunction in Children with Hypercholesterolemia. The aim of this resident research study was to evaluate the efficacy of Simvastatin in children with hypercholesterolemia and to evaluate the ability of high resolution arterial ultrasound to detect changes in endothelial dependent vasodilatation in response to treatment and placebo. Scott & White Research Foundation. \$33,229

7. **Wilson, DP** - Principle Investigator

1999 - 2005

KIGS: KABI International Growth Study, Protocol Number: 870545, Pharmacia Pharmacy, Inc.,

8. **Wilson, DP** - Principle Investigator

2001 - 2005

Genentech National Cooperative Growth Study (NCGS) Post Marketing Surveillance Program for Nutropin Depot [Somatropin (rDNA Origin) for Injectable Suspension], Nutropin AQ [Somatropin (rDNA Origin) for Injection], Nutropin [Somatropin (rDNA Origin), Somatrem for Injection) \$14,750 Genentech, Inc.

The goal of this multicenter research is to evaluate the efficacy and safety of growth hormone therapy in a variety of pediatric patients who have growth failure due to a lack of adequate endogenous growth hormone secretion or function.

9. Wilson, DP - Co-Investigator

2002 - 2005

Basal/Bolus Therapy with InsulinAspart (Novolog) versus Regular Human Insulin (Novolin R) or Insulin Lispro (Humalog) in Combination with NPH: An Open Label, Randomized, Parallel Group, Multicenter Study in Children and Adolescents with Type 1 Diabetes. \$3,000 Novo Nordisk Pharm.,

10. Wilson, DP - Co-Investigator

2002 - 2005

Patient Registry to Study the Safety, Management and Treatment of GH Deficiency Utilizing Geref®/Saizen®. Sereno. The purpose of this multicenter research study is to learn more about the treatment and management of growth hormone deficiency.

11. Wilson, DP - Co-Investigator

2003 - 2005

The Efficacy of Statin Therapy of Vascular Function in Children with Hypercholesterolemia, \$85,000.

12. Wilson, DP - Co-Investigator

2003 - 2007

The Efficacy of Statin Therapy on Vascular Function in Children with Hypercholesterolemia. The purpose of this grant is to evaluate markers of vascular function before and after statin therapy as a means of diagnosing preclinical atherosclerosis in hypercholesterolemic youth. \$250,000 American Heart Association, Scientist Development Grant.

13. Wilson, D.P. - Co-Investigator

2004 - 2005

Pediatric Obesity Prevention Protocol: "Assessment of Food Preparation in Texas Public Schools and their Nutritional Value". Texas Depart of Agriculture. \$26,963

14. Wilson, DP - Principle Investigator

2004-2005

Computer-Assisted Health-Related Quality of Life Assessment in Pediatric Endocrinology. To adapt and field test the PedsQL as a computer-assisted health-related quality of life instrument in pediatric endocrinology. \$40,000.

15. Wilson, DP - Co-Investigator

2004 - 2005

Improved Detection and Treatment of Preclinical Cardiovascular Disease in Youth This grant further augments our AHA study, allowing us to add Dr. Zheng as the project biostatistician. School of Rural Public Health, Texas A&M University System Health Science Center

16. **Wilson**, **DP** - Principle Investigator

2004 - 2005

Prospective Study of Serial Echocardiograms in Normal Health Children Ages 2 to 14 Years Inclusive. \$86,269 ID Biomedical of Washington

17. Wilson, D.P. - Co-Investigator

2005 - 2008

Pediatric Patient Reported Outcomes Focus Groups. National Institutes of Health. \$133,669.

18. **Wilson, DP** - Principle Investigator Liposorber Patient Registry. \$1,200.

2005 - 2008

19. Don P. Wilson, M.D. - Principle Investigator

2005-2008

20. Health & Literacy in Child & Adult Assessment. National Institutes of Health, \$1,102,500 (five years).

21. Tala Dajani, M.D., MPH Principle-Investigator

Wilson, DP - Co-Investigator

SR-PIMA Grant - Lipid Clinic

2008 – 2009

\$ 250,000

22. Wilson, DP - Co-Investigator	2009 – 2010
Athena Health - AZ "Way to Go"	\$ 18,000
23. Sonali Belapurkar, M.D. Principle-Investigator Wilson, DP - Co-Investigator Phoenix Children's Hospital - Vitamin D and Insulin Resistance	2009 – 2010 \$ 30,000
24. Wilson, DP - Principle-Investigator	2009 – 2010
Kieckhefer Foundation Grant - Core CV Risk Lab	\$ 100,000
25. Wilson, DP - Principle-Investigator	2009 – 2010
SR-PIMA Grant - Lipid Clinic	\$ 250,000
26. Wilson, DP - Co-Investigator	2009 – 2010
SR-PIMA Grant - Lipid Clinic	\$ 250,000
27. Wilson, DP - Principle-Investigator	2010– 2011
SR-PIMA Grant - Lipid Clinic	\$ 250,000

Invited Presentations

Nayana Baby, MS-2, John Dallas, MD and Don P. Wilson, MD. Iodine: A Catalyst for Transient Congenital Hypothyroidism. The Pediatric Endocrine Society of Texas, Oklahoma, Louisiana and Arkansas (PESTOLA) annual scientific meeting. January 24, 2015. Dallas Texas.

Texas Tech University Health Sciences Center. Lysosomal acid lipase deficiency. Lubbock, Texas. February 4, 2015.

Texas Tech University Health Sciences Center. Pediatric hypercholesterolemia and chronic liver disease. Cardiology Grand Rounds. Lubbock, Texas. February 5, 2015.

Process Improvement: Diabetic Ketoacidosis. Right Care Conference. Cook Children Medical Center. Fort Worth, Texas. March, 28, 2015

Osler Institute - Pediatric Board Review Course. Dallas, Texas. May, 15, 2015. Growth and Growth Disorders
Hyper and Hypothyroidism
Diabetes mellitus, Obesity, Hypercholesterolemia and Hypoglycemia
Delayed and Precocious Puberty
Hyper and Hypocalcemia
Hyper- and Hypercortisolism

Spotlight on Hypercholesterolemia: New Ways to Test and Treat. Case presentation: 18-year-old Male with Hypercholesterolemia and Metabolic Syndrome Lysosomal Acid Lipase Deficiency: Under Recognition and Emerging Therapy Interactive lecture and professional CME series presented in:

New York, NY – Saturday, April 25, 2015

Atlanta, GA – Saturday, May 30, 2015

Chicago, IL – Saturday, June 6, 2015

Los Angeles, CA – Saturday, June 20, 2015

Young Investigator Competition. National Lipid Association's Annual Scientific Meeting. Chicago, Illinois. 1st Place. 2015 Young Investigator Competition. A 3-Year-Old with Severe Hypercholesterolemia. Amol Patel, MS-2, Alejandro de la Torre, M.D., Ariel Brautbar, M.D. and Don P. Wilson, M.D., FNLA.

Osler Institute - Pediatric Board Review Course. Chicago, IL. Aug, 28-29, 2015. Growth and Growth Disorders
Hyper and Hypothyroidism
Diabetes mellitus, Obesity, Hypercholesterolemia and Hypoglycemia
Delayed and Precocious Puberty
Hyper and Hypocalcemia
Hyper- and Hypercortisolism

Lipid Disorders in Children. Endocrine for Pediatric Primary Care Conference. Cook Children's Medical Center. Fort Worth, Texas. September, 19, 2015.

Lipid Panel Discussion. Endocrine for Pediatric Primary Care Conference. Cook Children's Medical Center. Fort Worth, Texas. September, 19, 2015.

Use of a Single Tubeless Insulin Pump Protocol for Glycemic Control in Hospitalized Children and Adolescents with T1D.

Dallas, Texas. 9/11/2015 San Antonio, Texas. 10/16/2015 Tampa, Florida. 11/05/2015 Jackson, Mississippi. 12/02/2015 Billings, Montana (PodCast). 12/10/2015

Detroit, MI – Saturday, June 27, 2015

Lysosomal acid lipase deficiency-Genetics and Pathophysiology. Alexion Advisory Board Meeting. St Louis, Missouri. 11/7/2015.

Don P. Wilson, MD, FNLA. Screening in Children and Young Adults Age 20–35: Where are We Going? National Lipid Association's Spring Clinical Lipid Update. Friday, February 24, 2017. Phoenix, Arizona.

Lysosomal Acid Lipase Deficiency – Clinical overview and Treatment. National Lipid Association's Spring Clinical Lipid Update. Saturday, February 25, 2017. Phoenix, Arizona.

CURRICULUM VITAE

Thomas Yorio, Ph.D., FARVO University of North Texas Health Science Center 3500 Camp Bowie Boulevard Fort Worth, Texas 76107

(817) 735-0268 Telephone Office:

Residence: (817) 295-6244

EDUCATION

(Biology/Chemistry) Herbert H. Lehman College, New York, 1971 B.S.

(Biomedical Sciences-Pharmacology) CUNY Graduate School Mt. Sinai School of Medicine, New York, 1975 Ph.D.

PROFESSIONAL EXPERIENCE

2016 – Present	Provost Emeritus and Professor, North Texas Eye Research Institute UNT Health Science Center at Fort Worth
2008 - 2016	Provost and Executive Vice President for Academic Affairs UNT Health Science Center at Fort Worth
2012- 2013	Interim Dean, School of Health Professions, UNTHSC
2007- 2008	Executive Vice President for Academic Affairs and Research UNT Health Science Center at Fort Worth
2007	Interim Dean, School of Public Health, UNT Health Science Center
2005 - 2007	Senior Vice President for Research UNT Health Science Center at Fort Worth
2005 -2015	Adjunct Professor, Dept. Chemistry, College of Science and Engineering, Texas Christian University
1992 - 2007	Founding Dean Graduate School of Biomedical Sciences Chair, Department of Biomedical Sciences and Professor (Tenured), Department of Pharmacology and Neuroscience UNT Health Science Center at Fort Worth
1991 - 1996	Professor and Vice-Chair (Tenured) Department of Pharmacology and Associate Research Director, North Texas Eye Research Institute UNT Health Science Center, Texas College of Osteopathic Medicine and Department of Biological Sciences, University of North Texas
1982 - 1991	Associate Professor (Tenured) - (Vice Chair)

Department of Pharmacology

Texas College of Osteopathic Medicine and

Department of Biological Sciences, University of North Texas

1977-1982 Assistant Professor - Department of Pharmacology

Texas College of Osteopathic Medicine and

Department of Biological Sciences, North Texas State University

1975-1977 NSF Postdoctoral Fellow - Department of Ophthalmology and Pharmacology

Mount Sinai School of Medicine, New York

HONORS AND AWARDS

1977	National Kidney Foundation Fellowship
1975 - 1977	National Science Foundation Postdoctoral Fellow
1975	Association for Research in Vision and Ophthalmology Travel Fellowship
1974, 1976	CUNY - Travel Award
1971 - 1975	Mount Sinai Graduate School Fellowship
1995, 1997	Outstanding Graduate Faculty Award - UNTHSC
1995 - 2003, 2006	NIH-NEI Visual A Sciences Study Section
1996	Edward E. Elko Award for Distinguished Service
1998	Louisa Burns Memorial Lecturer-AOA Research Conference, New Orleans, LA
1999, 2001 - 2006	NIH Small Business Innovative Research Study Section
2000	Graduate School Received "Role Model Institution" Designated from Minority Access, Inc., a NIH
	Initiative
2001	Graduate School Received "NSF Presidential Award for Science Mentoring"
2003	Appointed to NEI Glaucoma Panel to set NEI Five-Year Research Plan
2005	Vice President, Association for Research in Vision and Ophthalmology
2006	Distinguished Service Award, Association for Research in Vision and Ophthalmology
2009	Fellow of the Association in Research in Vision and Ophthalmology (FARVO) – Gold Recipient
2012	Distinguished Scientist Award, Society for Experimental Biology and Medicine
2012-2015	Vice President, Association for Ocular Pharmacology and Therapeutics
2013	TCOM Founders Medal – UNTHSC
2014	Ernst H. Bárány Prize, International Society for Eye Research (ISER)
2015 - Present	President, Association for Ocular Pharmacology and Therapeutics (AOPT)
2015 - Present	Editor-in-Chief, Investigative Ophthalmology and Visual Science (IOVS)

PROFESSIONAL SOCIETIES

1976 - 1987	New York Academy of Sciences
1988 - 1992	International Society on Hypertension in Blacks
1977 - 1991	Texas Pharmacologist Society
1979 - 1983	Membrane Transport Club of New York
1987 - Present	Society for Experimental Biology and Medicine
1982 - Present	American Society for Pharmacology and Experimental Therapeutics
1977 - Present	Association for Research in Vision and Ophthalmology
1979 - 1999	American Heart Association Kidney in Cardiovascular Diseases Council Member
1983 - 1999	European Membrane Club
1982 - 1995	Western Pharmacologist Society
1976 - 2012	American Association for the Advancement of Science
1991 - Present	International Society for Eye Research
1994 - Present	Association for Ocular Pharmacology and Therapeutics
2003 - 2010	European Association for Vision and Eye Research

GRADUATE STUDENT SUPERVISION (Major Professor)

1980 - 1983	Nimman Tarapoom.	N M C	North 7	Lavac Stata	I Inivarcity
1900 - 1900	וווווווווווווווווווווווווווווווווווווו	. IVI. J.	. INOLUL	rexas siale	OHIVELSILV

Curriculum Vitae of	f Thomas Yorio, Ph.D. June 2017
•	Present Position: Senior Technician, UT Health Science Center – Southwestern
1981 - 1983	Pat Benoit, M.S., Texas Woman's University
	Present Position: Science Associate, Pfizer, Groton, CN
1983 - 1985	George Deloach, D.O./M.S., TCOM and North Texas State University
	Present Position: D.O. Practice
1983 - 1985	Sally Skewis, Ph.D., North Texas State University
	Present Position: Psychologist, Private Practice, Reno, NV
1986 - 1991	Ray Page, D.O./Ph.D., TCOM and UNT,
	Present Position: President and CEO, Center for Cancer and Blood Disorders, Ft. Worth, TX
1989 - 1992	Annita Verstappen, Ph.D., UNT
	Present Position: Director, Clinical Research Management, UNTHSC, TX
1991 - 1994	Guo-Ton Xu, M.D./Ph.D., UNTHSC
	Present Position: Deputy Dean, Tongi University School of Medicine China
1991 - 1994	Julie Crider, Ph.D., UNTHSC
	Present Position: Research Scientist, Alcon Laboratories, Inc., Ft. Worth, TX
1992 - 1994	Pamler Thompson (Ph.D. Candidate, on leave)
1992 - 1996	Karen White, Ph.D., UNTHSC
1000 1007	Present Position: Consultant, MedTrials, Inc., Dallas, TX
1993 - 1996	Nicole Baxter (M.S. Candidate, Incomplete)
1993 - 2000	Debbie Shade, Ph.D., UNTHSC
1007 1000	Present Position: Senior Research Scientist, Alcon Laboratories, Inc., Ft. Worth, TX
1997 – 1999	Alvin Finkley, M.S., UNTHSC
1000 2002	Present Position: Toxicologist, Dallas County Medical Examiner's Office
1998 – 2002	Martha Stokely, Ph.D., UNTHSC
1998 – 2003	Present Position: Associate Professor, Xavier University School of Medicine, Aruba
1990 – 2003	Santosh Narayan, Ph.D., UNTHSC Present Position: Research Scientist, Sloan Kettering Institute, N.Y.
1999 – 2000	Huiling Zhang (Ph.D. Candidate, transferred to MPH program)
2000 – 2003	Xinyu Zhang, Ph.D., UNTHSC
2000 2003	Present Position: Project Manager, Alcon Research Ltd., Fort Worth, TX
2001 – 2005	Rachel Dauphin, Ph.D. (deceased)
2001 – 2003	Devashish Desai (M.S. Ph.D. student University of Virginia)
2002 – 2004	Tiffany Ferrell (M.S. Incomplete)
2003 – 2006	Shaoqing He, Ph.D. UNTHSC
	Present Position: Research Assistant Professor, UNTHSC, TX
2003 – 2007	Vidhya Rao Ph.D. UNTHSC, Current Position: Research Scientist, Loyola Univesity, Chicago, IL
2004 - 2008	Kissaou Tchedre, Ph.D., (Present Position: Senior Scientist, Menicon, Geneva, Switz.)
2005 - 2007	Ming Yang, Ph.D. Texas Christian University, returned to China Faculty Member
2006 - 2008	Ming Jiang, MS, Research Associate, UNTHSC, NTERI
2007 – 2011	Donald Daudt, Ph.D. Teva Pharmaceuticals, Dallas Texas
2009 – 2014	Brett Mueller, DO/PhD, Ophthalmology Residency, University of Louisville, Kentucky
2009 – 2015	Yong Park, Ph.D. (Cullen Eye Institute Baylor College of Medicine/Clayton Foundation for
	Research, Huston TX)
2010 – 2013	Bridget Moty (Ph.D. Candidate, transferred to MS program)

GRADUATE STUDENT ADVISORY COMMITTEES

Master Degree: Diana Kung - Biochemistry (M.S. 1980)

Christina Fingal - Microbiology (M.S. 1984)
Barry Gilmore - Microbiology (M.S. 1984)
Janet Mattern - Pharmacology (M.S. 1985)
Jack Maxwell - Physiology (M.S. 1984)
Tung Tran - Pharmacology (M.S. 1989)

Tung Tran - Pharmacology (M.S. 1989)
Daniel Tse - Anatomy and Cell Biology (M.S. 1990)
Wei Lin Fan - Anatomy and Cell Biology (M.S. 1993)
Hai-Quing Chen - Anatomy and Cell Biology (M.S. 1993)

Penny Chen - Pharmacology (M.S. 1993)

Zaira Mateo - Physiology (M.S. 1994)

Juan Wang - Pharmacology (M.S. 1997)

Mingjun Fang - Pharmacology (M.S. 1997)

Kristi Henderson - Biochemistry (M.S. Candidate)

Pam Gill - Biomedical Sciences/Microbiology (M.S. 2001)

Srinivas R. Gottipati - Cell Biology & Genetics (M.S. Candidate)

Ph.D. Degree: Carol Lee - Anatomy and Cell Biology (Ph.D. 1990)

Jerry Carney - NTSU - Toxicology/Biology (Ph.D. 1987)
Jeffrey Doddo, M.D. - UNT - Biology/Physiology (Ph.D. 1990)
Mike Chen - UNT - Biology/Pharmacology (Ph.D. 1993)
Scott Stoll - UNT - Biology/Physiology (D.O./Ph.D. 1992)
Larry Kirshner - UNT - Biology/Microbiology (Ph.D. 1992)

Rachel Peltier - Biomedical Sciences/Pharmacology (Ph.D. 1996)

Lee Tai - UNT - Biology/Biochemistry (Ph.D. 1992)

Marty Taylor - Biology/Anatomy and Cell Biology (D.O./Ph.D. 1995)

Kerry Markwardt - Biology/Pharmacology (Ph.D. 1996) Song-Jung Kim - Biology/Physiology (Ph.D. 1995)

Kristin Bryant - Biomedical Sciences/Physiology (Ph.D. 1997) Doug Lytle - Biomedical Sciences/Pharmacology (Ph.D. 1995) Leslie Napier - Biomedical Sciences/Physiology (Ph.D. 1997) Rusty Reeves - Biomedical Sciences/Anatomy (Ph.D. 1997) Joe DeFaller - Biomedical Sciences/Pharmacology (Ph.D. 1996)

Robby Dickerman - Biomedical Sciences (D.O./Ph.D. 1998)

Robert Carter III - Biomedical Sciences (Ph.D. 2001)

Matthew Crawford - Biomedical Sciences/Anatomy (D.O./Ph.D. 2000) Mohammad Dibas - Biomedical Sciences/Pharmacology (Ph.D. 2001)

Eve Ettinger - Biomedical Sciences/Biochemistry (Ph.D. 2004)

Keith Jackson - Biomedical Sciences/Integrative Physiology (Ph.D. 2001)

Jami Kern - Biomedical Sciences/Biochemistry (Ph.D. 2003) Scott Krueger - Biomedical Sciences/Anatomy (Ph.D. 2002) Wendy Lambert - Biomedical Sciences/Anatomy (Ph.D. 2002)

Steffini Stalos - Biomedical Sciences/Pharmacology (Ph.D. Candidate/entered medical school)

Nasreen Jacobson - Biomedical Sciences/Pharmacology (Ph.D. student)

Xiaochun Liu - Biomedical Sciences/Anatomy (Ph.D. 2003)
Paramita Das - Biomedical Sciences/Pharmacology (Ph.D. 2003)
Vinay Parameswara - Biomedical Sciences/Biochemistry (Ph.D. 2003)
Debleena Sinha - Biomedical Sciences/Biochemistry (Ph.D. student)

POSTDOCTORAL ASSOCIATES and Visiting Professors

1982 - 1992	Abdul J. Mia, Ph.D., Professor and Chair, Department of Biology, Jarvis Christian College (Retired)
1986	Sharon Braunagel, Ph.D.,
1988 - 1994	Ying Jin, M.D, Ph.D.,
1987 - 1989	Sue Buttar, Ph.D., Professor of Biology, Texas College, Hawkins, TX
1992 - 1993	Shun Matsumoto, M.D., Professor, Department of Ophthalmology, University of Tokyo Branch
	Hospital
1995 - 1999	Adnan Dibas, Ph.D.
1996 - 2000	Ganesh Prasanna, Ph.D.
1996 - 1997	Wenhong Tao, M.D, Ph.D.
1999 - 2001	Raghu Krishnamoorthy, Ph.D.
2002 - 2003	Martha Stokely, Ph.D.
2003 - 2004	Santosh Narayan, Ph.D.
2003 - 2006	Xinyu Zhang, Ph.D.
2007 - 2008	Vidhya Rao, Ph.D.

SERVICE ACTIVITIES

University of Nort	h Texas Health Science Center
1989 - 1995	Chair, Patent and Copyright Committee
1992 - 2005	Mission Review Committee
1995 - 2016	Scholarly Misconduct Committee
1992 - 1994	Chair, Self-Study Biomedical Science Committee
1993 - 2001	Health Science Center Planning Council
	Co-Chair Subcommittee on Education (2000)
	Subcommittee on Institutional Facilities Planning (2000)
	Subcommittee on Research (2000)
1993 - 2000	Vision Task Force
1993 -2016	Council of Deans (Chair, 1999, 2002, 2006)
1999	Dean's Budget Committee
1993 - 1997	Academic and Finance Administrative Group
1998 - 2005	Academic Scheduling Committee
1993 - 2007	Basic Science Chairs Committee (Chair, 2000-2007)
1993 - 2000	Combined Chairs Committee
1993 - 2003	Chancellor's Staff Committee
1993 - 1994	Search Committee for VP of Administrative Affairs
1998	Search Committee for Assistant Dean of Enrollment Services
1999	Search Committee for President of the Health Science Center
1994 - 1995	Southern Association of Colleges and School Self Study Committee
1996	President's Retreat - Student Life Committee
1996	AOA Self Study Steering Committee
	Subcommittee on Faculty
1996	Chair, Post-Tenure Review Task Force
1997 - 2001	Health Education Coordinating Committee
2001 - 2006	Academic Administration Council
1998 - 2000	SACS Accreditation
	Steering Committee
	Educational Committee for Graduate Education (Chair)
	Distance Education Committee (Chair)
1998 - 2000	Institutional Purpose Committee
1998 - 2016	Year 2000 Project Committee
1998 - 1999	Emergency Operation Center Member Welch Chair Steering Committee
1999 - 2000	Founders' Medal Committee
1999 - 2002	Distance Learning Task Force
1998 - 1999	Microcomputer Task Force - Platform Evaluation Co-Chair
1999 - 2001	Chair, Tying Resources to Institutional Priorities, Strategic Direction Team
1999 -2012	McNair Executive Committee
1998 - 2005	Co-Chair, Dual Degree Committee
1998 - 2007	Co-Chair, Dual Program Admissions Committee
2000 - 2006	Telecommunications Infrastructure Board of Texas Advisory Group
2000 - 2006	President's Action Committee (PAC)
2001 - 2916	Institutional Space Committee (Chair)
2001 - 2016	President's Executive Committee
2005 - 2016	Research Advisory Council (Ex-Officio)
2006 - 2012	President's Thinking Council on Research and also in Administration
2006 - 2012	President's Thinking Council on Academic Affairs and also in Community Engagement
2007	Search Committee for Dean School of Public Health
2008 - 2016	Capital Projects Planning Committee
2008 - 2016	Council of Deans (Chair)
2008 – 2016	President's Cabinet
2012 – 2016	Council on Educational Support (Chair)

PROFESSIONAL SERVICE ACTIVITIES

Professional Organizations Administration:

Association for Research in Vision and Ophthalmology (ARVO)

ARVO Board of Trustee (2000 - 2005) (Vice President - 2005)

Finance Committee (Chair 2004 -2006), Long-Range Planning Committee,

Publications Committee, Diversity Committee

Program Planning Committee (1992 - 1994) (Chair 1994)

Chair Search Committee for new Editor of IOVS (2005)

American Heart Association - Science Network (1991 - Present)

Secretary/Treasurer for Southwest Society for Experimental Biology and Medicine (1993 - 1995)

President for Southwest Society for Experimental Biology and Medicine (1995 - 1998)

Physiology/Pharmacology Section Organizer - International Society for Eye Research (1999 - 2001, 2007-2008)

Health Sciences Section Organizer - Council of Graduate Schools (1997 - 2002)

Glaucoma Section Organizer – International Society for Eye Research (2005 - 2006)

NAEVR/AEVR Board Member and Treasurer (2015 – Present)

Association for Ocular Pharmacology and Therapeutics – President (2015 – Present)

Review Manuscripts for:

Journal of Ocular Pharmacology and Therapeutics

American Journal of Physiology

Experimental Eye Research

Experimental Biology and Medicine

European Journal of Pharmaceutical Sciences

Investigative Ophthalmology and Visual Science

Current Eye Research

Journal of Membrane Biology

Journal of Neuropharmacology

British Journal of Ophthalmology

Progress in Retinal Eye Research

European Journal of Pharmacology

Archives of Ophthalmology

Ad hoc Grant Reviewer for:

Veterans Administration

National Science Foundation

Oklahoma State Research Grants Program

Research Management Group - Philip Morris External Research Program

UTMB-NIEHS Seed Grant Program

Editorial Board:

Editor in Chief, Investigative Ophthalmology and Visual Science (2015 – Present)

Associate Editor, Investigative Ophthalmology and Visual Science (2007 - Present)

Associate Editor, Experimental Biology and Medicine (1992 - 2002)

Investigative Ophthalmology and Visual Science (1997 - 2007)

Editorial Board, Journal of Ocular Pharmacology and Therapeutics (2004 - Present)

Editorial Board, World Ophthalmology Journal (2012 - Present)

Consulted for:

Alcon Laboratories, Inc., Fort Worth, TX

Mary Kay Cosmetics, Inc., Dallas, TX

DuPont, Wilmington, DE

Farmos Group, LTD., Finland

Novartis, Switzerland

Western University, Oakland CA

Touro University, Vallerjo CA and Las Vegas Nevada

Grant Review Committee:

American Heart Association, Texas Affiliate

Central Research Review Committee (1991 - 1996)

National Institutes of Health - National Eye Institute

Special Reviewer - Visual Science A Study Section (1995 - 1996, 2000, other Ad Hoc through 2014)

Regular Member - Visual Science A Study Section (1996 - 2000)

NIH IMST 15 Review Panel (2012-2014)

Small Business Innovative Research Study Section (1998 -2003)

National Heart and Lung Blood Institute - Training Grant Reviewer (2008-2012)

NIH Challenge Grant Reviewer (2009)

Department of Defense – Vision Grant Reviewer (2009 –2013)

NIH NIHMD MHIRT Study Section (2013 – 2014)

NIH NIAID CTSA Study Section (2013)

GRANTS AND CONTRACTS FUNDED

Continuous funding from various sources since 1977, including the NIH-NIAMDD; NHLBI; NEI; Department of Defense; National Kidney Foundation; American Heart Association, National and Texas Affiliate; American Osteopathic Association; Various Pharmaceutical Industries, Texas Higher Education Board - Advanced Research Program.

RECENT FUNDING

National Institute of Health - National Heart, Lung, and Blood Institute (10% Effort)

5 R25 HL007786-22

06-01-93 to 04-30-18

\$153,101 (Current Year)

PI: T. Yorio; Co-PI: J. Vishwanatha

"Summer Multicultural Advanced Research Training"

National Institutes of Health- National Eye Institute (20% Effort)

5 R01 EY016242-08

09-30-05 to 08-31-17

\$3,805,532

MPI: T. Yorio and A. Clark

"Glucocorticoids, Ocular Hypertension and Glaucoma"

Department of Defense

W81XWH-10-2-0003

02-01-2010 to 5-31-16

\$5,600,000

PI: T. Yorio; Co-PI: A. Clark

"VISON"

National Institutes of Health – National Institute of General Medical Sciences (20% Effort)

5 R25 GM064365-08

01-01-02 to 1-31-15

\$516,726 (Year)

PI: T. Yorio

"MBRS IMSD Program at UNTHSC"

Patents:

US.5304569 (1994) with Orion Corporation Farmos, Finland

Imidazole Derivatives as Antiglaucoma Drugs.

3 patents (1997) with Warner-Lambert Company - Adrenergic Enantiomers (US 6495529)

2 patents pending

8 credit hours

3 credit hours

PAST TEACHING EXPERIENCE

Medical: Medical Pharmacology 513 & 514

> (12-17 hrs. lecture, 10-12 hrs. lab/conference) (Have also lectured in Medical Physiology 502)

Principles of Pharmacology - PHRM 5030 Graduate:

(Taught 80%) of the course

Ocular Pharmacology - BIOL 6010 3 credit hours

(Course Director - lecture 10 hrs.)

Second Messengers & Signal Transduction – BIOL 6910 3 credit hours

(Taught entire course)

Membrane Transport Phenomena – BIOL 6910 3 credit hours

(Taught entire course)

Ocular Biology - BIOL 5960 3 credit hours

(11 hrs. lecture)

Integrative Biomedical Sciences I & II – BMSC 5600 & 5700 13 credit hours

(Course Director and Lecturer – 1998)

Receptor Mechanisms of Drug Action – BIOL 6080 3 credit hours

(2 hrs. lecture)

Biomedical Ethics – BMSC 5960 1 credit hours (Course Director and Lecturer) (Through 2007 and 2017 to present) (annually)

3 credit hours

(each semester)

3 credit hours

Biological Basis of Drug Action – BIOL 4250 Undergraduate:

> (2-6 hrs. lecture) (Through 2000) (annually)

Scientific Communications – BMSC 5010

(Course Director and Lecturer) (Through 2007)

INVITED SEMINARS

Within U.S.A.

1978 Invited participant at the International Amiloride Symposium at Merck Sharpe and Dohme, Pennsylvania

1978 "Role of prostaglandins in the negative feedback control of the antidiuretic hormone response"

Membrane Transport Club of New York, NYU Medical Center, New York

1979 "Calcium and prostaglandins as modulators of the hydro-osmotic response to vasopressin"

Department of Biochemistry, North Texas State University, Denton, Texas

1980 "Isolation of calmodulin from toad urinary bladder"

Membrane Transport Club of New York, NYU Medical Center, New York

1980 "Prostaglandins: Their Clinical Significance"

Presented to physicians and residents at East Town Osteopathic Hospital as part of a CME course.

Dallas, Texas (Sponsored by UpJohn)

1980	Keynote Speaker at the 1980 Regional Campaign Conference of the American Heart Association.
1980	"Role of calcium in the actions of antidiuretic hormone" Presented to the Department of Physiology, Mt. Sinai School of Medicine, New York, N.Y.
1981	"Controlling mechanisms in the stimulus-reabsorption coupling process of antidiuretic hormone" Special TCOM Faculty Seminar, Fort Worth, Texas
1982	"Controlling mechanisms in the stimulus-reabsorption coupling process of antidiuretic hormone" Department of Pharmacology, Texas A&M Medical School, College Station, Texas
1982	"Role of calcium and phospholipids in the stimulus-reabsorption coupling response of antidiuretic hormone" Department of Pharmacology and Therapeutics, Loyola University Strich School of Medicine, Chicago, Illinois
1983	"Role of second messengers in hormone action" Bishop College, Dallas, Texas
1983	"Workshop for Health Professionals: Premenstrual Syndrome and Menstrual Distress" Dallas, Texas
1984	"Role of phospholipids and protein kinase C in the actions of antidiuretic hormone" Department of Physiology, TCOM, Fort Worth, Texas
1984	"Regulators in the actions of antidiuretic hormone" Department of Biological Sciences, NTSU, Denton, Texas
1984	"Mechanisms of hormone action" Department of Life Sciences, Bishop College, Texas
1984	"Dysmenorrhea Workshop: History, Physiology, Assessment, Pharmacology and Behavioral Intervention" Society for Behavioral Medicine, Philadelphia, Pennsylvania
1985	"Regulators in the action of antidiuretic hormone" Department of Biology, New Mexico State University, Las Cruces, New Mexico
1985	Invited speaker at the "Ocular Pharmacology Symposium" Topic: "Phospholipid Turnover and the Actions of Antiglaucoma Agents" Texas Pharmacologist Society Meeting, College Station, Texas
1986	"Mechanisms involved in hormone-receptor interactions" Department of Life Science, Bishop College, Dallas, Texas
1986	"Phospholipids and the mechanism of action of antidiuretic hormone" Department of Pharmacology, Texas A&M University School of Medicine, College Station, Texas
1986	"Significance of lipids in ion and fluid transport" Department of Pharmacology, TCOM, Fort Worth, Texas
1986	"Physiology of the Eye" Department of Life Science, Bishop College, Dallas, Texas
1986	"Role of lipids in ion and fluid transport processes" Department of Biology, Texas Woman's University, Denton, Texas
1987	"Cellular mechanisms in the actions of antiglaucoma drugs" Department of Pharmacology, TCOM, Fort Worth, Texas

1987	"Cellular mechanisms in the actions of antiglaucoma drugs" DuPont Critical Care, Inc., Waukegan, Illinois
1988	"Effect of hormones on cell communication and function" Department of Life Science, Bishop College, Dallas, Texas
1988	"Contribution of the vasopressin V_1 -receptor to its hydro-osmotic response" Department of Pharmacology, University of Houston, Houston, Texas
1988	"Prostaglandins and Leukotrienes: A Clinical Update" Department of Anesthesiology, TCOM, Fort Worth, Texas
1988	Organized and Chaired Symposium on "Receptors and Signal Transduction" for the 1988 Southwest Society for Experimental Biology and Medicine Meeting Baylor College of Dentistry, Dallas, Texas
1988	"Vassopressin V_1 - V_2 Receptor-Second Messenger Interactions in Renal Epithelia" Symposium on "Receptors and Signal Transduction" Baylor College of Dentistry, Dallas, Texas
1988	"Vasopressin Receptors in Renal Epithelia" Department of Pharmacology, TCOM, Fort Worth, Texas
1989	"Contribution of the Vasopressin V_1 Receptor to its Antidiuretic Response" Department of Physiology, TCOM, Fort Worth, Texas
1989	"Eicosanoid Regulation of Hydrogen Ion Excretion in Renal Epithelia" Department of Physiology and Endocrinology, Department of Cell and Molecular Biology Medical College of Georgia, Atlanta, Georgia
1989	"Cellular Mechanisms in the Actions of Hormones" Department of Biology, Paul Quinn College, Waco, Texas
1990	Invited speaker at the "Signal Transduction and Second Messenger Symposium" Topic: "Vasopressin Receptor Interactions in Renal Epithelia" Texas Pharmacologist Society Meeting, San Antonio, Texas
1990	Invited speaker at the "Comparative Physiology of Eicosanoids Symposium" Topic: "Prostaglandin Regulation of H+ Excretion in Amphibians" at the 1990 FASEB Meeting, Washington, D.C.
1990	Invited panelist speaker at the NAFEO-Department of Defense Meeting in Washington, D.C. Topic: "Partnership Agreements with HBCUs and MRIs"
1990	"Introduction to Ocular Pharmacology and the Ocular Hypotensive Effects of DuP 753, a Non-peptide Angiotensin II Antagonist" DuPont de Nemours, Inc., Wilmington, Delaware
1990	"Introduction to Membrane Transport" Department of Biology, Paul Quinn College, Waco, Texas as part of Minority High School Student Summer Program
1990	"Mechanism of the Ocular Hypotensive Actions of α-Agonists" Allergan, Irvine, California
1992	"Inositol Tetrakisphosphate as a Calcium Mobilizer: Fact or Fiction" Baylor College of Dentistry Dallas Texas

1992	"Drugs and Human Health" Department of Biology, Texas Christian University, Fort Worth, Texas
1992	"Introduction to Pharmacology" Department of Biology, Paul Quinn College, Dallas, Texas
1992	"Cellular Mechanisms in the Ocular Hypotensive Actions of α-Agonists" Department of Physiology, Texas College of Osteopathic Medicine
1992	"Phospholipids and Electrolyte Transport" Southwest Society for Experimental Biology and Medicine, Dallas, Texas
1992	"Science Learning and Investigational Center for Kids (SLICK)" National Association of Science Teachers, Fort Worth, Texas
1993	Organized and Hosted the Annual Southwest Society for Experimental Biology and Medicine Meeting held at the UNT Health Science Center, Fort Worth, Texas
1995	Organized and Hosted the Annual Southwest Society for Experimental Biology and Medicine Meeting held at the UNT Health Science Center, Fort Worth, Texas
1998	Louisa Burns Memorial Lecturer, American Osteopathic Association's 103 rd Annual Convention & Scientific Seminar, New Orleans, Louisiana
2002	Led Workshop on Reviewing Finance for AOA Accreditation Site Visits, Chicago, Illinois
2003	Presented Workshop on "Writing Winning Grants" Touro University, Vallerjo, California
2003	"Writing Winning Grants" AOA Research Conference, New Orleans, Louisiana
2003	"Writing Winning Grants" Western University, Oakland, California
2007	"Glucocorticoid Ocular Hypertension: Beyond GR alpha" Pfizer Global Research, LaJolla, Ca
2009	"Glaucoma – More than meets the Eye" Touro College of Osteopathic Medicine, Las Vegas NV
2009	Lasker/IRRF Initiative for Innovation in Vision Science "Endothelin Astrocyte Interactions: The Good and the Bad" Woods Hole, MA
2012	"Role of GRbeta in Glucocorticoid-induced ocular hypertension" Trabecular Meshwork Club, San Fransico, CA
2015	"Role of GRbeta in Glucocorticoid-induced ocular hypertension" UT Southwestern Medical School, Dept. of Opthalmology, Dallas, TX
2016	"Sigma-1 Receptor mediated Neuroprotection" John R. Lynn MD Lectureship in Ophthalmology, UT Southwester Medical School, Dallas, TX

International

1983	"Role of Phosphololids in Transepithelial Sodium Transport: Effects of U18666A." 1983 Winter Prostaglandin Conference, Keystone, Colorado
1983	"Alteration in membrane permeability by Amphotericin B. pH effects." At joint meeting of Western Pharmacology Society, Texas Pharmacologists and the Association Mexicana de Farmacologia, Puerto Vallarta, MEXICO
1983	Chaired session on toxicology First Joint Meeting of Western Pharmacology Society, Texas Pharmacologists and the Association Mexicana de Farmacologia, Puerto Vallarta, MEXICO
1983	"Effects of presynaptically acting drugs on aqueous humor dynamics and intraocular pressure." Western Pharmacology Society, Texas Pharmacologists and the Association Mexicana de Farmacologia, Puerto Vallarta, MEXICO
1983	"Role of Eicosanoids in Transepithelial Sodium Transport." NATO Advanced Research Workshop on Eicosanoids and Ion Transport, Paris, FRANCE
1984	"Prostaglandins and Epithelial Transport" Winter Prostaglandin Conference, Keystone, Colorado
1985	"Effect of Eicosanoids on Transepithelial Water Flow" Winter Prostaglandin Conference, Keystone, Colorado
1986	"Membrane Lipids and their significance for ion and fluid transport." European Society for Comparative Physiology and Biochemistry. International Symposia on Comparative Physiology of Environmental Adaptations, Strasbourg, FRANCE
1987	"Prostaglandins and Epithelial Cell Morphology" Winter Prostaglandin Conference, Orlando, Florida
1988	"Sorbinil Reverses the Hypergalactosemic-Induced Inhibition of Prostaglandin Synthesis in Cultured Bovine Lens Epithelial Cells"
1988	1988 Winter Prostaglandin Conference, Keystone, Colorado "Contribution of the Vasopressin V ₁ Receptor to its Hydro-osmotic Response" Colloque on Cellular Mechanism of Action of Antidiuretic Hormone and Cellular Transepithelial Water Transport, Paris, FRANCE
1989	"Prostaglandins as Regulators of Intracellular pH" 1989 Winter Prostaglandin Conference, Keystone, Colorado
1990	"Mechanism of the Ocular Hypotensive Actions of Alpha ₂ -Agonists" Farmos Group, LTD., Inc., Helsink, FINLAND
1992	"Calcium Signaling in the Anterior Segment of the Eye" International Congress of Eye Research, Stressa, ITALY (Special Symposium)
1993	"Characterization of " α_2 -Receptors in Rabbit Ciliary Process" International Meeting on Ocular Pharmacology, Novi, Michigan
1993	Chaired and organized session on Glaucoma Therapy International Meeting on Ocular Pharmacology, Novi, Michigan
1994	Chaired Program Planning Committee of ARVO and Co-Organized Minisymposium on "Identification of Receptors Using Pharmacological and Molecular Techniques" Fort Lauderdale, FL

1994	Co-Chaired and organized "Signal Transduction Pathways" International Congress of Eye Research, New Delhi, INDIA
1994	"Characterization of " α_2 -adrenergic receptor subtypes in ciliary process" International Congress of Eye Research, New Delhi, INDIA
1996	International Meeting on Endothelin Inhibitors, Coronado, California
1996	Chaired and organized "Receptor-Second Messenger Symposium" International Congress of Eye Research, Yokahama, JAPAN
1996	"Alpha Receptors: Cellular Mechanisms and Intraocular Pressure" Cellular Control of Aqueous Production Symposium, International Congress of Eye Research, Yokahama, JAPAN
1996	"Characterization of Endothelin Receptors and Second Messenger Responses in Ciliary Muscle" Endothelin and Neuropeptides Symposium International Congress of Eye Research, Yokahama, JAPAN
1997	"Evidence of basolateral water permeability regulation in amphibian bladders" International Symposium Molecular Physiology of Water Transport, Paris, FRANCE
1997	"Phosphatidylinositol 3-Kinase involvement in vasopressin-induced water transport in toad urinary bladders" International Symposium on Molecular Physiology of Water Transport, Paris, FRANCE
1998	Chaired and organized symposium on "Ocular Active Reptides" International Congress of Eye Research, Paris, FRANCE
1998	"Ocular Endothelins: Source and Functions" Ocular Active Peptides Symposium International Congress of Eye Research, Paris, FRANCE
1999	"Regulation and Expression of Ocular Endothelin and its Receptors: Role in Aqueous Humor Dynamics" Molecular Biology of the Eye Symposium, Keystone, CO
2000	"Autonomic neutransmitter effects on ocular endothelin actions" Third International Symposium on Ocular Pharmacology and Pharmaceutics, Lisbon, PORTUGAL
2000	"Role of Nitric Oxide in the regulation of Na+/K+-ATPase activity by endothelin in human nonpigmented epithelial cells (HNPE)" XIV International Congress of Eye Research, Santa Fe, NM
2002	"Glucocorticoid and Endothelin Interactions in the Anterior Segment" XV International Congress of Eye Research, Geneva, SWITZERLAND
2003	"More to ET than Meets the Eye" Association of Ocular Pharmacology and Therapeutics, Kona, Hawaii
2003	"More to ET than Meets the Eye" Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL
2003	"Crosstalk Role of Endothelin" in symposium on "Ins and Outs of Aqueous Humor" European Association for Vision and Eye Research (EVER), Alicante, SPAIN
2004	"Glucocorticoids and Glaucoma: A special case of Cross-Talk" in symposium on "Ins and Outs of Aqueous Humor", Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL

2004	"Thrombin/Endothelin Interactions at the Blood Retinal Barrier" in symposium on "Ocular Blood Flow", International Congress of Eye Research, Sydney, Australia
2004	"Endothelin and Glaucoma" in symposium on "Ocular Endothelins: A Role in Ocular Disease?", European Vision and Eye Research (EVER) Conference in Villamoura, Portugal
2005	"Endothelin - induced Cell Death of Retinal Ganglion Cells Using in vitro and in vivo Models", SIG at ARVO "In Vitro Models of Retinal Ganglion Cell Death and Neuroprotection", Ft. Lauderdale, FL
2005	"ET and the Eye-Emerging Concepts", Featured Talk at Ninth International Conference on Endothelin, Park City, Utah
2006	"Optic nerve astrocytes: A model for cell signaling and drug targets for glaucoma", International Society of Ocular Pharmacology and Therapeutics conference in Berlin, Germany
2006	"Endothelin and Glaucoma: Emerging Concepts" in Glaucoma My Favorite Molecule, International Conference on Eye Research, Buenos Aires, Argentina.
2007	"Newly Revised ARVO Financial Disclosure (Commercial Relationship) Policy in ARVO Abstracts, Journals and Meeting Presentations", Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL
2007	"Glucocorticoid Receptors, Immunophilins and Glucocorticoid Responsiveness in Glaucoma" ARVO Ocular Cell & Molecular Biology Conference, Sarasota, FL
2007	"Role of the Endothelin B Receptor in Retinal Ganglion Cell Death in Glaucoma" Tenth International Conference on Endothelin (ET-10), Bergamo Italy
2008	"Sigma Receptors and Neuroprotection" International Society of Pharmacology and Therapeutics, Budapest, Hungary
2008	"Invited Panelist ARVO/Pfizer Symposia on "Nanoparticles and Drug Delivery", Ft. Lauderdale FL
2008	"Sigma Receptors and Neuroprotection" International Congress of Eye Research, Beijing, China
2010	"Role of Astrocytes in Retinal Diseases" Symposia Orginizer, International Congress of Eye Research, Montreal, Canada
2011	Organized and hosted the Association of Ocular Pharmacology and Therapeutics (AOPT) Meeting in Fort Worth Texas
2012	"Neuroprotective Strategies in the Treatment of Glaucoma", 99th India Scientific Congress, Bhubaneswar, India
2012	Role of GRβ in Steroid Responsiveness and Glaucoma", India Eye Institute, Bhubaneswar, India
2013	Sigma-1 Receptor-Mediated Neuroprotection of RGCs, AOPT Meeting Alicante, Spain
2014	"Glucocorticoid Receptors and Ocular Hypertension: A Question of Balance", Ernst Barany Prize lecture, ISER Biennial Meeting, San Francisco, CA

- 1. Yorio, T. and Bentley, P.J.: The effects of methylmercury compounds on the skin (*in vitro*) of the leopard frog (*Rana pipiens*). Comp. Gen. Pharmacol. 4: 167-174 (1973).
- 2. Bentley, P.J., Yorio, T. and Flisher, L.: The effects of cadmium on the hydro-osmotic and natriferic responses of the toad bladder to vasopressin. *J. Endocrinol.* **66**: 273-278 (1975).
- 3. Fleisher L., Yorio, T. and Bentley, P.J.: Effects of cadmium on epithelial membranes. *Tox. Appl. Pharmacol.* **33**: 384-487 (1975).
- 4. Yorio, T. and Bentley, P.J.: The effects of hyperosmotic agents on the electrical properties of the amphibian lens in vitro. *Exp. Eye Res.* **22**: 195-208 (1976).
- 5. Yorio, T. and Bentley, P.J.: Effects of ethanol on the permeability of the toad urinary bladder epithelium. *J. Pharmac. Exp. Ther.* **197**: 188-198 (1976).
- 6. Yorio, T. and Bentley, P.J.: Effects of ethanol on the permeability of frog skin. *J. Pharmac. Exp. Ther.* **197**: 340-351 (1976).
- 7. Bentley, P.J. and Yorio, T.: Effects of group IIB metals (Cd, Zn and Hg) on the permeability and electrical parameters of the crystalline lens. *Gen. Pharmacol.* 7: 355-360 (1976).
- 8. Yorio, T. and Bentley, P.J.: Distribution of the extracellular space in the amphibian lens. *Exp. Eye Res.* **23**: 601-608 (1976).
- 9. Yorio, T. and Bentley, P.J.: Stimulation of active sodium transport by phospholipase C. *Nature* **251**: 722-723 (1976).
- 10. Bentley, P.J. and Yorio, T.: The passive permeability of anuran amphibia: A comparison of frogs (*Rana pipiens*) and toads (*Bufo marinus*). *J. Physiology* **261**: 603-615 (1976).
- 11. Yorio, T. and Bentley, P.J.: Effects of furosemide on unidirectional fluxes of Na and Cl across the skin of the frog, *Rana pipens*. *Biochem. Biophysica. Acta.* **455**: 831-836 (1976).
- 12. Yorio, T., and Bentley, P.J.: The permeability of the rabbit colon in vitro. Am. J. Physiol. 232: F5-F9 (1977).
- 13. Bentley, P.J. and Yorio, T.: The permeability of the skin of the mudpuppy, *Necturus maculosus. J. Physiology* **265**: 537-547 (1977).
- 14. Yorio, T., and Bentley, P.J.: Asymetrical permeability of the integument of tree frogs (*Hylidae*). *J. Exp. Biol.* **67**: 197-204 (1977).
- 15. McGahan, M.C., Yorio, T. and Bentley, P.J.: The mechanism of action of bumetanide: Inhibition of chloride transport across the amphibian cornea. *J. Pharmac. Exp. Ther.* **203**: 97-102 (1977).
- 16. Bentley, P.J. and Yorio, T.: Failure of inflammatory autocoids to change the Na and K content of the lens *in vitro*. *Gen. Pharmacol.* **8**: 303-304 (1977).
- 17. Yorio, T. and Bentley, P.J.: Mechanism of action of aldosterone: The role of phospholipase A. *Nature* **271**: 78-81 (1978).
- 18. Yorio, T. and Bentley, P.J.: The permeability of the skin of the aquatic anuran *Xenapus laevis (Pipidae)*. *J. Exp. Biol.* **72**: 285-298.
- 19. Yorio, T. and Bentley, Ph.D.: Phospholipase C induced Na-channels in the crystalline lens. *Exp. Eye Res.* **26**: 165-176 (1978).
- 20. Bentley, P.J. and Yorio, T.: Properties of the "active" CI transport across the cornea of the toad *Bufo marinus*. *Comp. Biochem. Physiol.* **61A**: 635-641 (1978).

- 21. Yorio, T. and Bentley, P.J.: Stimulation of short-circut current (Na transport) across the skin of the frog *Rana pipiens* by corticosteriods. Structure Activity Relationships. *J. Endocrinol.* **79**: 283-290 (1978).
- 22. Yorio, T., Cruz, E., and Bentley, P.J.: Aerobic and anerobic metabolism of the crystalline lens of a poikilotherm; the toad, *Bufo marinus. Comp. Biochem. Physiol.* **62B**: 1234-126 (1979).
- 23. Bentley, P.J. and Yorio, T: Do Frogs Drink? *J. Exp. Biol.* **79**: 41-46 (1979).
- 24. Bentley, P.J. and Yorio, T.: Evaporative water loss in anuran amphibian: A comparative study. *Comp. Biochem. Physiol.* **62A**: 1005-1009 (1979).
- 25. Yorio, T., Henry, S. and Sinclair, R.: Fluoride inhibition of the hydro-osmotic response of the toad bladder to antidiuretic hormone. *J. Pharmac. Exp. Ther.* **219(2)**: 459-463 (1981).
- 26. Maxwell, J.A., Caffrey, J.L., Yorio, T. and Sinclair, R.J.: Fluoride-induced changes in renal papillary cyclic-AMP. *Toxicol. Appl. Pharmacol.* **69**: 138-142 (1983).
- 27. Mia, A.J., Tarapoom, N., Carnes, J. and Yorio, T.: Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. *Tissue and Cell* **15**: 737-749 (1983).
- 28. Yorio, T., Torres, S. and Tarapoom, N.: Alteration in membrane permeability by diacylglycerol and phosphatidylcholine containing arachidonic acid. *Lipids* **18**: 96-99 (1983).
- 29. Yorio, T., Henry, S., Hodges, D. and Caffrey, J.: Relationship of calcium and prostaglandins in the antidiuretic hormone response. *Biochemical Pharm.* **32**: 113-118 (1983).
- Yorio, T. and Benoit, P.: Amphotericin B induced alteration in membrane permeability: pH effects. *Proc. West. Pharmacol. Soc.* 26: 259-262 (1983).
- 31. Yorio, T. and Benoit, P.: Role of Eicosanoids in transepithelial sodium transport. In: *Prostaglandins and Membrane Ion Transport (Ed. P. Braquet) Vol. 1, Raven Press* (1984).
- 32. Benoit, P. and Yorio, T.: Alteration in membrane permeability by amphotericin B. *Comp. Biochem. Physiol.* **80**: 109-114 (1985).
- 33. Yorio, T., Royce, R., Mattern, J., Oakford, L.X., Mia, A.J. and Tarapoom, N.: Inhibition of the hydro-osmotic response to vasopressin and hypertonicity by phenothiazines and W7, calmodulin antagonists. *Gen. Pharmac.* **16**: 347-353 (1985).
- Yorio, T., Quist, E. and Masaracchia, R.A. Calcium/Phospholipid-dependent protein Kinase and its relationship to antidiuretic hormone in toad urinary bladder epithelium. Biochem. Biophys. Res. Comm. 133: 717-723 (1985).
- 35. Yorio, T., DeLoach, G. and Saumtira, N.: Effects of antiglaucoma drugs on [32p]-orthophosphate incorporation into phospholipids of cat iris and ciliary process. *J. Ocular Pharmacology* 1: 245-254 (1985).
- 36. Yorio, T.: **REVIEW**: Cellular mechanisms in the actions of antiglaucoma drugs. *J. Ocular Pharmacology.* 1: 397-422 (1985).
- 37. Tarapoom N., Royce, R., and Yorio, T.: Inhibition of the antidiuretic hormone hydroosmotic response by phospholipids and phospholipid metabolites. *Lipids* **2**: 596-602 (1985).
- 38. Yorio, T.: Membrane lipids and their significance for ion and fluid transport. In: *Comparative Physiology of Environmental Adaptations Vol. I: Adaptations to Salinity and Dehydration* (Eds. LahLou and Kirsh) Karger, pp. 148-157 (1987).

- Mia, A.J., Oakford, L.X., Torres, L., Herman, C. and Yorio, T.: Morphometric analysis of epithelial cells of frog urinary bladder. I. Effect of antidiuretic hormone, calcium ionophore (A23187) and PGE2. *Tissue and Cell*. 19: 437-450 (1987).
- 40. Braunagel, S. and Yorio, T.: Aerobic and anerobic metabolism of bovine ciliary process: Effects of metabolic and transport inhibitors. *J. Ocular Pharmacology.* **3**: 141-148 (1987).
- Mia, A.J., Oakford, L.X., Moore, T.M., Chang, P.H. and Yorio, T.: Morphometric analysis of epithelial cells of frog urinary bladder II. Effect of ADH, calcium ionophore (A23187) and verapamil on isolated dissociated cells. Tissue and Cell 20: 19-33 (1988).
- 42. Cammarata, P., Jackson, T. and Yorio, T.: Sorbinil prevents the hypergalactosemic-induced inhibition of prostaglandin synthesis in cultured bovine lens epithelial cells. *Invest. Ophthalmol* **29**: 1452-1460 (1988).
- 43. Page, R., Frazier, L.W. and Yorio, T.: Role of sodium on H+ excretion in the integument of the leopard frog, *Rana pipiens. Comp. Biochem. Physiol.* **90A**: 53-59 (1988).
- 44. Elko, E.E., Tran, T., Lal, H. and Yorio, T.: The ocular hypotensive effects of lofexidine, an alpha 2-adrenoreceptor agonist. *Drug Dev. Res.* **14**: 169-175 (1988).
- 45. Yorio, T. and Satumtira, N.: Contribution of the vasopressin V1 receptor to its hydro-osmotic response. *Biol. Cell.* **66**: 7-12 (1989).
- 46. Frazier, L.W. and Yorio, T.: Phospholipid changes during adaptation to acidosis in urinary bladder of *Bufo marinus. Proc. Soc. Exp. Biol. Med.* **190**: 339-343 (1989).
- Jin, Y., Elko, E., Tran, T. and Yorio, T.: Inhibition of adenylate cyclase in bovine ciliary process and rabbit irisciliary body by "2-adrenergic agonists. *J. Ocular Pharmacology.* 5: 198-197 (1989).
- 48. Cammarata, P., Jackson, T., Lou, M. and Yorio, T.: Reversal of galactosemic-induced inhibition of PGH synthase activity in cultured lens epithelial cells. *Current Eye Res.* 8: 1063-1069 (1989).
- 49. Cammarata, P., and Yorio, T.: L-Buthionine sulfoximine-induced loss of glutathione does not elicit PGH synthase inactivation in cultured bovine lens epithelial cells. *J. Ocular Pharmacology* **6**: 43-49 (1990).
- 50. Page, R.D. and Yorio, T.: PGF2" inhibits acidification in a H+ secreting epithelia. *J. Pharm. Exp. Ther.* **252**: 929-933 (1990).
- 51. Frazier, L.W. and Yorio, T.: Prostaglandins as mediators of acidification in the urinary bladder of *Bufo marinus*. *Proc. Soc. Exp. Biol. Med.* **194**: 10-15 (1990).
- 52. Page, R.D., Mia, A.J., Buttar, S. and Yorio, T.: Adaptive changes of H⁺ secreting cells in the epidermis of the leopard frog, *Rana pipiens. Comp. Biochem. Physiol.* **96**: 245-251 (1990).
- Cammarata, P.R., Tse, D. and Yorio, T.: Sorbinil prevents the hyperglactosemic-induced reduction in myoinositol uptake and decreased myo-inositol incorporation into the phosphoinositide cycle in bovine lens epithelial cells in vitro. Current Eye Res. 9: 561-568 (1990).
- 54. Yorio, T. and Frazier, L.W.: MINIREVIEW: Phospholipids and Electrolyte Transport. *Proc. Soc. Exp. Biol. Med.* 195: 293-303 (1990).
- 55. Yorio, T., Page, R.D. and Frazier, L.W.: Prostaglandin regulation of H+ secretion in amphibian epithelia. *Am. J. Physiol.* **260**: R866-R872 (1991).
- 56. Mia, A.J., Oakford, L.X., Cammarata, P. and Yorio, T.: Modulation of cytoskeletal organization and cytosolic granule distribution by verapamil in amphibian urinary epithelia. *Tissue and Cell* **23**: 161-171 (1991).

- 57. Cammarata, P.R., Tse, D. and Yorio, T.: Attenuation of [³H]-myo-inositol uptake and dysfunction in Na⁺-K⁺-ATPase pumping activity are uncoupled in hypergalactosemic cultured bovine lens epithelial cells. *Diabetes* **40**: 731-737 (1991).
- 58. Cammarata, P.R., Tse, D. and Yorio, T.: Depletion of glutathione by L-buthionine sulfoximine does not promote inactivation of the myoinositol transporter in cultured bovine lens epithelial cells. *Current Eye Res.* **10**: 321-330 (1991).
- 59. Jin, Y., Eilson, S., Elko, E. and Yorio, T.: Ocular hypotensive effects of medetomidine and its analogs. *J. Ocular Pharmacology* **7**: 285-296 (1991).
- 60. Jin, Y., Verstappen, A., Elko, E., Cammarata, P. and Yorio, T.: Effect of lofexidine on ocular blood flow and ion transport in rabbit iris-ciliary body. *J. Ocular Pharmacology* **8**: 23-33 (1992).
- 61. Yorio, T. and Verstappen, A.: New developments in the drug treatment of glaucoma. *Tarrant County Med. Bull.* **65**: 43-44 (1992).
- 62. Cammarata, P.R., Chen, H-Q., Yang, J. and Yorio, T.: Modulation of myo-[³H]inositol uptake by glucose and sorbitol in cultured bovine lens epithelial cells. I. Restoration of myo-inositol uptake by aldose reductase inhibition. *Invest. Ophthalmol. Vis. Sci.* 33: 3561-3571 (1992).
- 63. Frazier, L.W. and Yorio, T.: MINIREVIEW: Eicosanoids: Their function in renal epithelial ion transport. *Proc. Soc. Exp. Biol. Med.* **201**: 229-242 (1992).
- Cammarata, P.R., Fan, W-L. and Yorio, T.: Protein kinase C activity and its relationship to myo-inositol uptake during hyperglycemic conditions in cultured bovine lens epithelial cells. *Current Eye Res.* 12: 403-412 (1993).
- 65. Candia, O.A., Mia, A.J. and Yorio, T.: Influence of filter supports on transport characteristics of cultured A6 kidney cells. *Am. J. Physiol.* **265**: C1479-C1488 (1993).
- 66. Jin, Y., Verstappen, A. and Yorio, T.: Pharmacological characterization of alpha2-adrenoreceptors in rabbit ciliary body. *Invest. Ophthalmol. Vis. Sci.* **35**: 2500-2508 (1994).
- 67. Mia, A.J., Oakford, L.X. and Yorio, T.: Surface membrane remodeling following removal of vasopressin in toad urinary bladder. *Tissue and Cell* **26**: 189-201 (1994).
- Jin, Y., Gooding, J.R. and Yorio, T.: Ocular α2-receptor subclasses and antiglaucoma efficacy. J. Ocular Pharmacology 10: 359-369 (1994).
- 69. Matsumoto, S., Yorio, T., DeSantis, L. and Pang, I-K: Muscarinic effects on cellular functions in cultured human ciliary muscle cells. *Invest. Ophthalmol. Vis. Sci.* **35**: 3732-3738 (1994).
- 70. Dibas, A.I., Yorio, T. and Easom, R.A.: Gramicidin D is a potent insulin secretagogue; Dependence on extracellular calcium influx. *Biochem Research Comm.* **212**: 449-454 (1995).
- 71. Matsumoto, S., Yorio, T., Magnino, P.E., DeSantis, L. and Pang, I-K: Endothelin-induced changes of second messengers in cultured ciliary muscle cells. *Invest. Ophthalmol. Vis. Sci.* 37: 1058-1066 (1996).
- Dibas, A.I., Mia, A.J. and Yorio, T.: Is protein kinase C alpha involved in vasopressin-induced effects on LLC-PK1 kidney cells? *Biochem. Mol. Biol.* (International) 39: 581-588 (1996).
- 73. Dibas, A.I. and Yorio, T.: A novel use for comassie brillant blue (R-250) in protein gel-drying procedure and assessing the electro-transferring efficiency. *Biochem. Biophys. Res. Comm.* **220**: 929-932 (1996).
- Candia, O.A. and Yorio, T.: Characteristics of bicarbonate and CO2 transport across the skin of the grass frog, Rana pipiens: Effects of PGF2". Am. J. Physiol. 272: R640-R647 (1997).

- 75. Dibas, A.I., Rezazadeh, S.M., Vassan, R., Mia, A.J. and Yorio, T.: Mechanism of vasopressin-induced increase in intracellular Ca2+ ([Ca2+]i) in LLC-PK₁ porcine kidney cells. *Am. J. Physiol.* **272**: C810-C817 (1997).
- 76. Pang, I-H. and Yorio, T.: **MINI REVIEW**: Ocular actions of endothelins. *Proc. Soc. Exp. Biol. Med.* **215**: 21-34 (1997).
- 77. Crider, J.Y., Williams, G.W., Yorio, T., Sharif, N. and Griffin, B.W.: A nonradioactive method for the simultaneous measurement of intracellular sodium, potassium and rubidium in cultured retinal pigment epithelial cells. *Ophthalmic Res.* **29**: 117-123 (1997).
- 78. Crider, J.Y., Yorio, T., Sharif, N.A. and Griffin, B.W.: The effects of elevated glucose upon Na+/K+ ATPase activity in Bovine retinal pigment epithelial cells measured by a new non-radioactive rubidium uptake assay. *J. Ocular Pharmacol. and Ther.* 13: 337-352 (1997).
- 79. Dibas, A., Wood, J., Mia, A.J. and Yorio, T.: The ATP-depleting reagent "iodoacetamide" induces the degradation of protein kinase C alpha (PKC) in LLC-PK1 pig kidney cells. *Life Sciences* **61**: 1697-1704 (1997).
- 80. Candia, O.A., Mia, A.J. and Yorio, T.: Evidence of basolateral water permeability regulation in amphibian urinary bladder. *Biol. Cell* **89**: 331-339 (1997).
- 81. Prasanna, G., Dibas, A., Tao. W., White, K. and Yorio, T.: Regulation of the release of endothelin-1 and big endothelin-1 in nonpigmented human ciliary epithelial cells by tumor necrosis factor alpha. *Exp. Eye Res.* **66**: 9-18 (1998).
- 82. Tao, W., Prasanna, G., Dimitrijevich, S.D. and Yorio, T.: Endothelin receptor A is expressed and mediates the [Ca2+]i mobilization in human ciliary muscle, ciliary nonpigmented epithelial, and trabecular meshwork cells. *Curr. Eye Res.* 17: 31-38 (1998).
- 83. Prasanna, G., Dibas, A., Brown, K. and Yorio, T.: Activation of protein kinase C by tumor necrosis factor -α in human non-pigmented ciliary epithelium. *J. Ocular Pharmacol. and Ther.* **14**: 401-412 (1998).
- 84. Mia, A.J., Oakford, L.X., Wood, J., Dibas, A. And Yorio, T.: Effect of temperature on apical membrane remodeling in ADH-stimulated toad urinary bladder. *Proc. Soc. Exp. Biol. Med.* **218**: 307-315 (1998).
- 85. Dibas, A., Mia, A.J., and Yorio, T.: Aquaporins (water channels): Role in vasopressin activated water transport. *Proc. Soc. Exp. Biol. and Med.* **219**: 183-199 (1998).
- 86. Prasanna, G. Dibas, A., Finkley, A. and Yorio, T.: Identification of endothelin converting enzyme -1 in human non-pigmented ciliary epithelial cells. *Exp. Eye Res.* **69**: 145-154 (1999).
- 87. Yorio, T. 1998 Louisa Burns Memorial Lecture: Teaching versus Research Maintaining a Balance. *J. Am. Osteopathic Assn.* **99**: 157-162 (1999).
- 88. Dibas, A., Prasanna, G. and Yorio, T.: Phenylarsine oxide inhibits phosphate uptake in human ciliary non-pigmented epithelial cells. *J. Ocular Pharmacology.* **15**: 241-250 (1999).
- 89. Dibas, A.I., Mia, A.J. and Yorio, T.: Microfilament network is needed for the endocytosis of water channels and not for apical membrane insertion upon vasopressin action. *Proc. Soc. Exp. Biol. Med.* **223**: 203-209 (2000).
- 90. Prasanna, G. Dibas, A.I., and Yorio, T.: Cholinergic and adrenergic modulation of the Ca 2+ response to endothelin-1 in human ciliary muscle cells. *Inv. Ophthalmol. Vis. Sci.* **41(5)**: 1142-1148 (2000).
- 91. Bhatt, H., Conner, B.P., Prasanna, G., Yorio, T. and Easom, R.: Ca2+-induced insulin secretion from permeabilized pancreatic β-cells is dependent on the activation of Ca2+-Ca2+/calmodulin -dependent protein kinase II. Re-evaluation of inhibitor studies. *Biochem. Pharmacol.* **60**: 1655-1663 (2000).

- Prasanna, G., Krishnamoorthy, R., Hulet, C., Zhang, H., Zhang, X. and Yorio, T.: Endothelin-1 induces nitric oxide synthase-2 expression in human non-pigmented ciliary epithelial cells. *Exp. Eye Res.* 71: 535-539 (2000).
- 93. Dibas, A.I., Mia, A.J. and Yorio, T.: Microfilament network is needed for the endocytosis of water channels and not for apical membrane insertion upon vasopressin action. *Exp. Biol. Med.* **223**: 203-209 (2000).
- 94. Pang, I-H., Li, B. and Yorio, T.: Pharmacological actions of endothelins in the eye. *Chinese J. New Drugs and Clinical Remedies.* **19**: 337-341 (2000).
- 95. Prasanna, G. Dibas, A., Hulet, C. and Yorio, T.: Inhibition of Na+/K+ -ATPase by endothelin-1 in human non-pigmented ciliary epithelial cells. *J. Pharmac. Exp. Ther.* **296**: 966-971 (2001).
- Krishnamoorthy, R.R., Agarwal, P., Prasanna, G., Sheedlo, H.F., Pang, I-H., Shade, D., Wordinger, R.J., Yorio, T., Clark, A. and Agarwal, N.: Characterization of a transformed rat retinal ganglion cell line. *Molecular Brain Research* 86: 1-12 (2001).
- 97. Yorio, T., Krishnamoorthy, R. and Prasanna, G. Review: Endothelin: Is it a contributor of glaucoma pathophysiology? *J. Glaucoma* **11**: 259-270 (2002).
- 98. Stokely, M., Brady, S., and Yorio, T.: Effects of Endothelin-1 on components of anterograde axonal transport in optic nerve. *Invest. Ophthalmol. Vis. Sci.* **43**: 3223-3230 (2002).
- 99. Prasanna, G., Krishnamoorthy, R., Clark, A., Wordinger, R. and Yorio, T.: Human optic nerve head astrocytes as a target for endothelin-1. *Invest. Ophthalmol. Vis. Sci.* **43**: 2704-2713 (2002).
- 100. Zhang, X., Krishnamoorthy, R., Prasanna, G., Narayan, S., Clark, A., and Yorio, T.: Dexamethasone regulates endothelin-1 and endothelin receptors in human non-pigmented epithelial cells. *Exp. Eye Res.* **76**: 261-272 (2003).
- 101. Prasanna, G., Narayan, S., Krishnamoorthy, R., and Yorio, T.: Eyeing endothelins: A cellular perspective. *Molecular and Cellular Biochemistry* (Invited Review) **253**: 71-88 (2003).
- 102. Krishnamoorthy, R., Prasanna, G., Hulet, C., Agarwal, N. and Yorio, T.: Regulation of NaK-ATPase expression by endothelin-1 in transformed non-pigmented epithelial (HNPE) cells. *J. Ocular Pharmacol. Therp.* **19(5)**: 465-481 (2003).
- 103. Clark, A.F. and Yorio, T.: Ophthalmic Drug Discovery. Nature Reviews: Drug Discovery 2(6): 448-459 (2003).
- 104. Narayan, S., Prasanna, G., Krishnamoorthy, R.R., Zhang, X. and Yorio, T.: Endothelin-1 synthesis and secretion in human retinal pigment epithelial cells (ARPE-19): differential regulation by cholinergics and TNFα. *Invest. Ophthalmol. Vis. Sci.* 44(11): 4885-4894 (2003).
- 105. Zhang, X., Clark, A. and Yorio, T.: Interactions of Endothelin-1 with Dexamethasone in primary cultured human trebecular meshwork cells. *Invest. Ophthalmol. Vis. Sci.* **44(12):** 5301-5308 (2003).
- 106. Desai, D., He, S., Yorio, T., Krishnamoorthy, R.R. and Prasanna, G.: Hypoxia Augments TNFα-Mediated Endothelin-1 (ET-1) Release and Cell Proliferation in Cultured Human Optic Nerve Head Astrocytes (hONAs). *Biochem Biophys. Res. Comm.* **318(3)**: 642-648 (2004).
- 107. Narayan, S., Brun, A.M. and Yorio, T.: Endothelin-1 distribution and basolateral secretion in the retinal pigment epithelium. *Exp. Eye Res.* **79(1)**: 11-19 (2004).
- 108. Yorio, T. and Dibas, A.: New Therapies for Glaucoma: Are they up to the task? *Expert Opinion in Therapeutic Patents* 14: 1743-1762 (2004).

- 109. Prasanna, G., Hulet, C., Desai, D., Krishnamoorthy, R.R., Narayan, N., Brun, A-M., Suburo, A.M. and Yorio, T.: Effect of elevated intraocular pressure on endothelin-1 in a rat model of glaucoma. *Pharmacol Res* **51(1)**: 41-50 (2005).
- 110. Stokely, M.E., Yorio, T. and King, M.A.: Endothelin-1 modulates anterograde fast axonal transport in the central nervous system. *J Neurosci Res* **79(5)**: 598-607 (2005).
- 111. Dibas, A., Parasanna, G. and Yorio, T.: Characterization of endothelin converting enzyme activities in ARPE-19 cells, a human retinal pigmented epithelial cell line. *J. Ocul Pharmacol Ther.* **21(3)**:196-204 (2005).
- 112. Dibas, A., Prasanna, G. and Yorio, T.: Localization of endothelin converting enzyme activity in bovine optic nerve. *J. Ocul Pharmacol. Ther.* **21(4)**: 288-297 (2005).
- 113. Zhang, X., Clark, A.F. and Yorio, T.: Regulation of glucocorticoid responsiveness in glaucomatous trabecular meshwork cells by glucocorticoid receptor β. *Invest. Ophthalmol. Vis. Sci.* **46(12)**: 4607-4616 (2005).
- 114. Zhang, X., Clark, A.F. and Yorio, T.: Heat shock protein 90 is an essential molecular chaperone for nuclear transport of glucocorticoid receptor β. *Invest. Ophthalmol. Vis. Sci.* **47(2)**: 700-708 (2006).
- 115. Zhang, X, Ognibene, C.M., Clark, A.F. and Yorio, T: Dexamethasone inhibition of trabecular meshwork cell phagocytosis and its modulation by glucocorticoid receptor β. *Exp. Eye Res.* **84(2)**: 275-284 (2007).
- 116. He, S., Dibas, A., Yorio, T., and Prasanna, G.: Parallel signaling pathways in endothelin-1-induced proliferation of U373MG astrocytoma cells. *Exp Biol Med* **232(3)**: 370-384 (2007).
- 117. Dibas, A., Yang, M.H., Bobich, J. and Yorio, T.: Stress-induced changes in neuronal Aquaporin-9 (AQP9) in a retinal ganglion cell-line. *Pharmacol Res* **55(5)**: 378-384 (2007).
- 118. He, S., Prasanna, G. and Yorio, T.: Endothelin-1 mediated signaling in the expression of matrix metalloproteinases (MMPs) and tissue inhibitors of metalloproteinases (TIMPS) in astrocytes. *Invest Ophthalmol Vis Sci.* **48(8)**: 3737-3745 (2007).
- 119. Rao, V.R., Krishnamoorthy, R.R., and Yorio, T.: Endothelin-1, endothelin A and B receptor expression and their pharmacological properties in GFAP negative human lamina cribrosa cells. *Exp Eye Res* **84(6)**: 1115-1124 (2007).
- 120. Graham, S., Ding, M., Sours-Brothers S., Yorio, T., Ma, J.X., and Ma, R.: Downregulation of TRPC6 protein expression by high glucose, a possible mechanism for the impaired Ca2+ signaling in glomerular mesangial cells in diabetes. *Am J Physiol Renal Physiol* 293(4): F1381-1390 (2007).
- 121. Zhang, X., Clark, A.F. and Yorio, T.: FK506-binding Protein 51 Regulates Nuclear Transport of the Glucocorticoid Receptor Beta and Glucocorticoid Responsiveness. *Invest. Ophthalmol. Vis Sci* **49**: 1037-1047 (2008)
- 122. Dibas, A., Yang, M., He, S., Bobich, J. and Yorio, T.: Changes in ocular aquaporin-4 (AQP4) and aquaporin-9 (AQP9) upon retinal injuries. Mol Vis 14: 1770-1783 (2008).
- 123. Reeves, R.E., Vishwanatha, J.K., Yorio, T., Budd, M., and Sheedlo, H.J.: The Post-Baccalaureate Premedical Certification Program at the University of North Texas Health Science Center Strengthens Admission Qualifications for Entrance into Medical School. *Acad. Med.* **83(1)**: 45-51 (2008).
- 124. Tchedre, K.T., Huang, R.Q., Dibas, A., Krishnamoorthy, R.R., Dillon, G.H. and Yorio, T.: Sigma-1 receptor regulation of voltage-gated calcium channels involves a direct interaction. Invest Ophthalmol. Vis Sci. **49(11)**: 4993-5002 (2008).

- 125. Krishnamoorthy RR, Rao VR, Dauphin R, Prasanna G, Johnson C, Yorio T.: Role of the ETB receptor in retinal ganglion cell death in glaucoma. Can J Physiol Pharmacol. **86(6)**: 380-393 (2008).
- 126. Rao VR, Krishnamoorthy RR, Yorio T.: Endothelin-1 mediated regulation of extracellular matrix collagens in cells of human lamina cribosa. Exp. Eye Res. **86**: 886-894 (2008).
- 127. Tchedre, K.T. and Yorio, T.: Sigma-1 receptors protect RGC-5 cells from apoptosis by regulating intracellular calcium, Bax levels, and caspase-3 activation. Invest Ophthalmol Vis. Sci 49(6): 2577-2588 (2008).
- 128. Dibas A, Oku H, Fukuhara M, Kurimoto T, Ikeda T, Patil RV, Sharif NA, Yorio T. Changes in ocular aquaporin expression following optic nerve crush. Mol Vis. **16**: 330-40 (2010).
- 129. Fingert JH, Alward WL, Wang K, Yorio T, Clark AF: Assessment of SNPs associated with the human glucocorticoid receptor in primary open-angle glaucoma and steroid responders. Mol Vis. **16**: 596-601 (2010).
- 130. Graham S, Ding M, Ding Y, Sours-Brothers S, Luchowski R, Gryczynski Z, Yorio T, Ma H, Ma R. Canonical transient receptor potential 6 (TRPC6), a redox-regulated cation channel. J. Biol. Chem. **285(30)**: 23466-23476 (2010).
- 131. Narayan, S., Prasanna, G. and Yorio, T.: Thrombin-induced endothelin-1 synthesis and secretion in retinal pigment epithelial cells is Rho-kinase (ROCK) dependent. J. Ocular Pharmacol. & Therap. **26(5)**: 389-397 (2010).
- 132. Prasanna, G., Krishnamoorthy, R. and Yorio, T.: Endothelin, astrocytes and glaucoma, Exp. Eye Res. **93(2)**: 170-177 (2011).
- 133. Mao, W., Tovar-Vidales, T., Yorio, T., Wordinger, R.J., and Clark, A.F.: Perfusion-cultured bovine anterior segments as an ex vivo model for studying glucocorticoid-induced ocular hypertension and glaucoma. Invest. Ophthalmol. Vis. Sci. **52(11)**: 8068-8075 (2011).
- 134. Daudt, D. and Yorio, T.: FKBP51 protects 661w cell culture from staurosporine-induced apoptosis. Mol. Vis. 17: 1172-1181 (2011).
- 135. Yang, M.H., Krishnamoorthy, R.R., Jong, S.B., Chu, P.Y., Yang, Y.H., Chen, W.C., Chen, S.C., Dibas, A., Yorio, T., Chung, T.W., and Tyan, Y.C.: Protein profiling of human nonpigmented ciliary epithelium cell secretome: the differentiation factors characterization for retinal ganglion cell line. J. Biomed. Biotechnol. 2011:901329 (2011).
- 136. Jain, A., Wordinger, R.J., Yorio, T., and Clark, A.F.: Spliceosome protein (SRp) regulation of glucocorticoid receptor isoforms and glucocorticoid response in human trabecular meshwork cells. Invest. Ophthalmol. Vis. Sci. 53:857-866 (2011).
- 137. Dibas, A., Jiang, M., Fudala, R., Gryczynski, I., Gruczynski, Z., Clark, AF., Yorio, T. Fluorescent protein labeled glucocorticoid receptor alpha isoform trafficking in cultured human trabecular meshwork cells. Invest Ophthalmol. Vis Sci. 53:2938-2950 (2012).
- 138. Daudt, D., Mueller, B., Park, Y., Wen, Y. and Yorio, T. Methylene Blue protects primary retinal ganglion cells from cellular senescence. Invest. Ophthalmol. Vis Sci. 53:4657-4667 (2012).
- 139. Mueller BH 2nd, Park Y, Daudt DR 3rd, Ma HY, Akopova I, Stankowska DL, Clark AF, Yorio T. Sigma-1 receptor stimulation attenuates calcium influx through activated L-type Voltage Gated Calcium Channels in purified retinal ganglion cells. Exp Eye Res. 107C:21-31 (2013).

- 140. Jain A, Liu X, Wordinger RJ, Yorio T, Cheng YQ and Clark AF. Effects of Thailanstatins on glucocorticoid response in trabecular meshwork and steroid-induced glaucoma. Ivest Ophthalmol Vis Sci 54(5):3137-3142 (2013).
- 141. Krishnamoorthy RR, Clark AF, Daudt D, Vishwanatha JK and Yorio T. A forensic path to RGC-5 cell line identification: Lessons Learned. Invest Ophtalmol Vis Sci 54(8):5712-5719 (2013).
- 142. Jain A, Wordinger RJ, Yorio T, Clark AF. Role of the alternatively spliced glucocorticoid receptor isoform GRβ in steroid responsiveness and glaucoma. J Ocul Pharmacol Ther 30:121-127(2014).
- 143. Mueller BH, Park Y, Ma HY, Dibas A, Ellis DZ and Yorio T: Sigma-1 receptor stimulation protects retinal ganglion cells from ischemia-like insult through the activation of extracellular-signal-regulated kinases 1/2. Exp Eye Res 128: 156-169 (2014).
- 144. Xie L, Choudhury GR, Wang J, Park Y, Liu R, Yuan F, Zhang CL, Yorio T, Jin K, Yang SH. Methylene blue promotes quiescence of rat neural progenitor cells. Front Cell Neurosci. Vol 8: Article 315 (9 pages) (2014).
- 145. Stankowska DL, Minton AZ, Rutledge MD, Mueller BH, Phatak NR, He S, Ma HY, Forster MJ, Yorio T, Krishnamoorthy RR. Neuroprotective effects of transcription factor Brn3b in an ocular hypertension rat model of glaucoma. Invest Ophthalmol Vis Sci Jan13;56(2):893-907. doi: 10.1167/iovs. (2015).
- 146. Park YH, Mueller BH 2nd, McGrady NR, Ma HY, Yorio T. AMPA receptor desensitization is the determinant of AMPA receptor mediated excitotoxicity in purified retinal ganglion cells. Exp Eye Res.;132:136-150. doi: 10.1016/j.exer.(2015)
- 147. He S, Park YH, Yorio T, Krishnamoorthy RR. Endothelin-Mediated Changes in Gene Expression in Isolated Purified Rat Retinal Ganglion Cells. Invest Ophthalmol Vis Sci. 2015 Sep 1;56(10):6144-61. doi: 10.1167/iovs.15-16569.
- 148. Acharya S, Rogers P, Krishnamoorthy RR, Stankowska DL, Dias HV, Yorio T. Design and synthesis of novel hybrid sydnonimine and prodrug useful for glaucomatous optic neuropathy. Bioorg Med Chem Lett. Mar 1;26(5):1490-4. doi: 10.1016/j.bmcl.2015.12.030 (2016).
- 149. Park YH, Broyles HV, He S, McGrady NR, Li L, Yorio T. Involvement of AMPA Receptor and Its Flip and Flop Isoforms in Retinal Ganglion Cell Death Following Oxygen/Glucose Deprivation. Invest Ophthalmol Vis Sci. Feb 1;57(2):508-26. doi: 10.1167/iovs.15-18481 (2016).
- 150. Dibas A, **Yorio T**. Glucocorticoid therapy and ocular hypertension. Eur J Pharmacol. Sep 15;787:57-71, (2016).
- 151. Park Y, Ellis D, Mueller B, Stankowska D, **Yorio T**. Principles of Ocular Pharmacology Handbook Exp. Pharmacol. (2017) 242:3-30 PMID: 27730396
- 152. Ellis D, Li L, Park Y, He S, Mueller B, Yorio T. Sigma-1R Regulates Mitochondrial Function in Glucomse and Oxygen Deprived Retinal Ganglion Cells. Invest Opththalmol Vis Sci May 53:2755-2764 (2017).

BOOKS and BOOK Chapters

- Ocular Therapeutics: An Eye on New Discovery, ed by T. Yorio, A. Clark and M. Wax. Academic Press 2008. Chapter 1. The Eye as a Drug Target, by T. Yorio, A. Clark and M. Wax. Pp 3-7. Chapter 4. The Ciliary Body: A Potential Multifaceted Functional Neuroendocrine Unit by T. Yorio, G.Prasanna, and M. Coca-Prados. pp 69 – 86.
- 2. Ocular Transporters in Ophthalmic Diseases and Drug Delivery. Ed by Joyce Tombran-Tinkle and Colin Barnstable. "Regulation of Transport in RPE" by A. Dibas and T. Yorio, pp 157 184, Humana Press 2008.

3. Steroid-induced glaucoma (Chapter 19) Abbot F Clark, Xinyu Zhang, and Thomas Yorio in "Ocular Diseases: Mechanisms and Management: eds. Levin & Albert, Elsevier 2010. pp 166-175.

ABSTRACTS

MORE THAN 260

*NOTE: Abstracts (not listed) represent presentations at either FASEB (Exp. Biol.), ARVO, AOPT, ISOPT, ISER, ASPET, EMSA, Cell Biol. or other Research Conferences.

Richard Ashley Young, M.D.

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Current Professional Position

Director of Research, Director of Recruiting, & Associate Program Director JPS Family Medicine Residency Program

Hospital Appointments

John Peter Smith Hospital, Fort Worth, 1990 to present
Forest Park Medical Center, Frisco, Dallas, Fort Worth, and Southlake 2012-present
Cozby-Germany Hospital, Grand Saline, Texas 1991 – 1994
East Texas Medical Center, Pittsburg, Texas 1992 – 1995
Wylie General Hospital, Wylie, Texas 1992 – 1994
Harris Methodist Northwest Hospital, Azle, Texas 1992 - 1995
All Saints Cityview Hospital, Fort Worth, Texas 1993 – 1995
Saint Joseph's Hospital, Fort Worth, Texas 1993 - 1995
Plaza Medical Center Hospital, Fort Worth, Texas 1995 – 2001

Education

1980 – 1984	B.S. Chem. Eng., UT-Austin
1986 – 1990	M.D. University of Texas Health Science Center – San Antonio
1990 – 1991	Internship, Family Practice, John Peter Smith Hospital, Fort Worth
1991 – 1993	Residency, Family Practice, John Peter Smith Hospital, Fort Worth
1993 – 1994	Fellowship, Faculty Development, Faculty Development Center, Waco, Texas
2005 – 2006	Fellow of the Grant Generating Project, University of Missouri, Columbia, Missouri

Licensure

Texas State Medical Board, H9587

Certified by the American Board of Family Medicine Initial Certification 1993, recertified 2007

Professional Memberships

American Academy of Family Physicians Texas Academy of Family Physicians Tarrant County Academy of Family Physicians Society of Teachers of Family Medicine North American Primary Care Research Group

Professional Service

Board of Directors, or Alternate, Texas Academy of Family Physicians 2000-2013

Chair, Commission on Health Care Services and Managed Care, TAFP 2008-9

Commission on Health Care Services and Managed Care, TAFP 2002-present

Liaison Committee with Managed Care, TAFP 2007-2012

Fort Worth ISD School Health Advisory Committee 2008-present

CMS Contractor Advisory Committee, 2010-2016

Communications Committee, NAPCRG 2010-present

Scientific Advisory Board, Primary Care Research Institute, 2008-2011

Board of Directors, NorTex PBRN, 2008-2011

Advisory Board, Community-wide Children's Health Assessment & Planning Survey, 2009-2010

Tarrant County Ethics Consortium, 1995-2002

CMS Innovation Advisor Program, 2012

Medical Management Committee, Cook Children's Health Plan, 2015-present

President, Tarrant County Academy of Family Physicians, 2017

Alternate delegate, Texas Higher Education Coordinating Board, 2017

U.S. Co-Chair, Cost Analysis Workgroup, of the Committee for the Advancement of the Science of Family Medicine, 2015-present

Editorial Activities

Co-Editor *JPS Quality Report*, 1998 – 2001. Reviewer for the Journal of Health Care for the Poor and Underserved Reviewer for the North American Primary Care Research Group Reviewer for Medical Care

Honors

Society of Teachers of Family Medicine award for best paper of 2016.

Distinguished Paper, North American Primary Care Research Group, 2016.

Research and Grant Activity

Comfort with uncertainty in medical students and family medicine residents. \$7,500 awarded by the TAFP Foundation, April 2017.

WE HAIL geriatric training grant. \$2.5 million. HRSA. July 2015.

Complexity of the care family physicians provide. \$4,900 awarded by the TAFP Foundation, April 2015.

Services provided in rural hospitals. \$5,000 awarded by the TAFP Foundation, March 2013.

CMS Innovation Advisors Program. \$20,000 awarded by Center for Medicare and Medicaid Services, January 2012.

Low back pain and national ambulatory care survey, Co-Investigator, \$825,000 awarded to RRNeT by HRSA.

Family medicine efficiencies, Co-Investigator, \$5,000 awarded to RRNeT by the TAFP Foundation.

Low back pain. Co-Investigator, \$5,000 awarded to RRNeT by the TAFP Foundation.

Longitudinal study of chronic low back pain. Co-investigator, \$42,000 awarded to RRNeT by the UTHSC-San Antonio CTSA office, September 2009.

NorTex PBRN needs assessment study. Co-investigator, \$100,000 awarded by Pfizer to the NorTex PBRN, September 2008.

Riboflavin vs. placebo for migraine headache prophylaxis. \$5000.00 awarded by the AAFP Foundation Research Stimulation grant program and \$5000 awarded by the JPS Surgery Research fund, March 2007.

Childhood obesity impact project at Mitchell Boulevard Elementary. Co-PI. \$400,000 awarded by the United Way of Tarrant County, July 2006.

Relationship between residency training features, current job characteristics, and current job satisfaction in family physicians. \$5000.00 awarded by the TAFP foundation, May 2005.

Research by family medicine faculty: an assessment of the output of research training fellowships, current research, and grant production and barriers to research and grants. \$2036.04 awarded by the AAFP foundation, and \$2035.04 by the TAFP foundation, March 2004.

Peer Reviewed Presentations

Young RA, Burge S. The Correlation Between Family Physicians' Work and Current Procedural Terminology Medical Necessity Codes – a RRNeT Study. NAPCRG, Colorado Springs, Oct 2016. JPS Research Day 2016.

Pinto A, Young RA. Economic Evaluation Methods for Primary Care Research and Practice Improvement. NAPCRG, Cancun, Mexico, Oct 2015.

Young RA, Zuniga C. ICU Services Provided in Rural U.S. Hospitals. NAPCRG, Cancun, Mexico, Oct 2015.

Young RA, Casey, D, Singer D. Career Outcomes of the Graduates from the JPS Family Medicine P4 Innovation: Flexible Optional Tracks. JPS Research Day, Fort Worth, Texas, June 2015.

Young RA, Casey, D, Singer D. Medical Student Interest in the JPS P4 Curricular Innovation of Flexible Longitudinal Tracks. STFM Annual Meeting, Orlando, FL, April 2015.

Young RA, MD, Casey D, MD, Mazzone M, MD, Douglass A, MD, Singer D. Enhanced Resident coaching in Three P4 Programs. STFM Annual Meeting, Orlando, FL, April 2015.

Young RA, Casey D, Baumer JG, Wooldridge L. Provision of Maternity Care Services by Family Physicians in Rural U.S. Hospitals. North American Primary Care Research Group. New York City, November 2014.

Webb AR, Baumer JG, Young RA. How to Deal with Medical Uncertainty in the Biopsychosocial Model: The Educator's Challenge. The 34th Forum for Behavioral Science in Family Medicine. Chicago, IL, September 2013.

Webb AR, Hadley L, Young RA. A Mixed-Method Analysis of an International Health Clinic in a Family Medicine Residency. 2013 Family Medicine Global Health Workshop. Baltimore, MD, October 2013.

Young RA. Virtual Validation of Novel System for Valuing a Family Physician's Work. North American Primary Care Research Group. Ottawa, CA, November 2013; STFM Conference on Practice Improvement, San Diego, Dec 2013.

Young RA. Virtual Validation of Novel System for Valuing a Family Physician's Work. Society of Teachers of Family Medicine Conference on Practice Improvement. San Diego, CA, November 2013.

Young RA. Developing a Fairer Payment System: Perspectives of Family Physicians. JPS Research Day June 2012.

Douglass A, Young RA. Thrills, Spills, and Chills: Tips for transitioning to a 4-year family medicine residency. STFM, Seattle, April 2012.

Young RA, Benold T, Burge S, Bayles B. Family medicine's association with cost-effective care: a qualitative explanatory study from RRNeT with comparison to the join principles of the patient-centered medical home. JPS Research Day, June 2011 and NAPCRG, Banff, Canada Nov 2011.

Meador C, Carter E, Young RA. Cancer screening uptake in a safety net health network. JPS Research Day, June 2011 and NAPCRG, Banff, Canada Nov 2011.

Ross S, Dang T, Kinney B, Young RA. Survey of health literacy and pictogram medication labels in the JPS population. JPS Research Day, June 2011 and NAPCRG, Banff, Canada Nov 2011.

Opioid Dose Changes in Patients with Chronic Low Back Pain: An RRNeT Study. Whitham J, Benold T, Burge S, Young RA. JPS Research Day. June 2010 and NAPCRG, Seattle 2010.

A CBPR Intervention to Prevent and Reduce Childhood Obesity in a Vulnerable Population: A Pilot Study. Young RA, Lackan N, Webb A, Mauk E, Pitts Y, Arzate-Abdelfattah H, McGuigan J, Spriggs S, Urrutia-Rojas X. JPS Research Day, June 2010 and NAPCRG, Seattle Oct 2010.

Zeringue M, Garza M, Nieves L, Barbee J, Young RA. Long-term efficacy of spinal cord stimulators. JPS Research Day, Fort Worth 2010.

Roberto Cardarelli DO, MPH, Kristen Hahn MPH, Kimberly Fulda DrPH, Anna Espinoza MD, James Marshall MD, Billy Moore PhD, Richard Young MD. Compensation and Motivation of Physicians to Participate in PBRN Research: Experiences during the NorTex Needs Assessment. 2010 AHRQ Annual PBRN Research Conference. June 2010, Bethesda, MD.

Young RA, Randall S. Factors that influence work performance in patients with chronic low back pain. NAPCRG Annual Meeting, Montreal. Nov 2009.

Young RA, Lang A, Aguirre Y, Jones-Dobbins N. The role of maternity care at JPS and infant mortality in African-Americans in Tarrant County. JPS Research Day, Fort Worth, April 2009.

Natashia Jones-Dobbins, Young RA. Improvements in infant mortality thru prenatal programs: the effects of prenatal care on neonatal mortality. .JPS Research Day, Fort Worth, April 2009.

Aguirre Y, Lang A, Young RA. Improvements in infant mortality thru prenatal programs: the effects of race on neonatal mortality. .JPS Research Day, Fort Worth, April 2009.

Zeringue M, Young RA. A retrospective study of spinal cord stimulator efficacy at JPS for complex chronic pain syndromes. . JPS Research Day, Fort Worth, April 2009.

Randall S, Young RA. Factors that influence work performance in patients with chronic low back pain. JPS Research Day, Fort Worth, April 2009.

Young RA, et al. Do AHRQ-funded studies answer the clinical questions of family physicians? NAPCRG, Rio Grande City, Puerto Rico, November 2008 and JPS Research Day, Fort Worth, April 2009.

Young R. JPS FMRP P4 Innovation--Extra Training Options in Flexible Tracks. STFM Annual Assembly. Baltimore. April 2008

Burge S, Valdini A, Young R, Weaver S, Carek P. Research in Residency: Using Quality Improvement Projects to Teach Research Skills. STFM Annual Assembly. Baltimore. April 2008

Young RA, Webb AR, Lackan N, Marchand L. Family Medicine Residency Educational Characteristics and Career Satisfaction in Recent Graduates. STFM Annual Assembly. Baltimore, April 2008.

Casey D, Young RA. Texas residency experience with P4 project. Family Medicine Leadership Conference. Austin Feb 2008.

Young RA, Webb AR, Lackan N, Marchand L. Relationship between residency training features, current job characteristics, and current job satisfaction in family physicians. Family Medicine Leadership Conference. Austin, Feb 2008.

Burge S, White D, Whitman J, Young RA. Expanding research involvement in community residency programs: building a residency-based research network. 21st Primary Care Research Methods & Statistics Conference, San Antonio, Texas, December 2007.

Webb AR, Baumer JG, Young RA. Emotional intelligence and the ACGME core competencies. STFM forum for behavioral sciences. Chicago, Sept 2007.

Webb A, Young RA. Building relationships: our experience with the Mitchell Boulevard Elementary Childhood Obesity Study. STFM Families and Health Conference. Austin, Texas, March 2007.

Baumer JG, Young RA. Cost-effectiveness of primary care: recent data and future directions. The 27th Forum for Behavior Science in Family Medicine, Chicago, Ill, September 2006.

Young RA, Baumer JG, DeHaven M. Predictors of Peer-Reviewed Publications Among Family Physician Residency Faculty. NAPCRG, Quebec City, Canada, October 2005.

Young RA, Baumer JG, Smith KV, Passmore C, DeHaven MJ. Grant writing and research output by family physician residency faculty. Family Medicine Leadership Conference, Austin, Texas, February 2005.

Peer Reviewed Poster Presentations

Young RA, Casey D, Singer D. Successes and Challenges of the JPS Length of Training Curricular Innovations. ACGME Length of Training Annual Meeting. Kansas City, MO, March 2017.

Spero E, Young RA. Primary Care Clinic Visits for Knee Pain. JPS Research Day 2016.

Su S, Young RA, Sapkota S. Barriers to Prenatal Care in Refugee Women. JPS Research Day 2016.

Merchant Z, Savage A, Hadley L, Young RA. A Survey of the Knowledge and Awareness of Alzheimer's Dementia in Arabic Population. JPS Research Day 2016.

Peddle A, Castaneda M, Hadley L, Young RA. Arabic-Speaking Individuals' Understanding and Attitudes Towards Hospice and Palliative Care in the Ambulatory Setting. JPS Research Day 2016.

Castaneda MM, Young RA, Hadley L. Preparedness of JPS Family Medicine Graduates for Nursing Home Medical Directorship. JPS Research Day 2016.

Ortiz D, Kallamadanda S, Burge S, Young R. The Association Between Time-Motion and Complexity of Family Medicine Visits: An RRNeT Study. NAPCRG, Cancun, Mexico, Oct 2015.

Law J, Torkelson N, Burge S, Young R. Do Competing Demands Affect How Often Family Physicians Address Quality Indicators of Diabetes Care? NAPCRG, Cancun, Mexico, Oct 2015.

Kester K, Young RA. Demographics of Rural Hospitals and Obstetric Care. NAPCRG, Cancun, Mexico, Oct 2015.

Zuniga C, Young RA. Provision of Critical Care by Family Physicians in Rural U.S. Hospitals. NAPCRG, Cancun, Mexico, Oct 2015.

Diaz A, Young RA. Rural Obstetrical Services in Mississippi Compared to Other States. JPS Research Day, Fort Worth, TX, June 2015.

Zuniga C, Young RA. Staffing of Rural ICUs in the United States. JPS Research Day, Fort Worth, TX, June 2015.

Clarke K, Supavong C, Young, RA, Garrett A, Mogonye J, Schultz K. Accuracy of Needle Placement with Blind Plantar Fascia Injections. JPS Research Day, Fort Worth, TX, June 2015.

Lopez N, Schultz K, Young RA. Effects of hospital closures in Terrell, Texas. JPS Research Day, Fort Worth, TX, June 2015.

Kester K, Young RA. Demographics of Rural Hospitals and Obstetric Care. JPS Research Day, Fort Worth, TX, June 2015.

Young RA, Walker K, Schultz K. Family Physicians Providing Maternity Care in U.S. Rural Hospitals. JPS Research Day, Fort Worth, TX, June 2015.

Young RA, Casey, D, Singer D. Career Outcomes of the Graduates from the JPS Family Medicine P4 Innovation: Flexible Optional Tracks. STFM Annual Meeting, Orlando, FL, April 2015.

Young RA, Casey, D, Singer D. Residents' Education Choices During the JPS Family Medicine Residency P4 Curricular Innovation. STFM Annual Meeting, Orlando, FL, April 2015.

Willett D, Young RA, Webb A. Psychotherapy for Geriatric Depression. JPS Research Day, June 2013.

Merchant Z, Young RA, Webb A. Interpreters and Their Observations About Patient-Physician Communications. JPS Research Day, June 2013.

Richardson M, Young RA, Hadley L. Adherence to Bisphosphonate Therapy for Osteoporosis. JPS Research Day, June 2013.

Ko D, Young RA, Kirk M. Clinical Evaluation of Concussion in the High School Football Player–Does Amnesia Measured by the SCAT2 Evaluation Affect the Length of Time Before. JPS Research Day, June 2013.

Kieu P, Young RA, Mogonye J. Accuracy of Needle Placement in Blind Knee Injections. JPS Research Day, June 2013.

Dang T, Young RA, Hadley L. Mindfulness Meditation for Chronic Pain. JPS Research Day, June 2013.

Prentice L, Young RA, Anderson L. Barriers to Colorectal Cancer Screening in the Elderly. JPS Research Day, June 2013.

Autry H, Young RA, Kirk K. Concussion outcomes in young athletes. JPS Research Day, June 2012.

Autry A, Higgs M, Young RA. Accuracy of needle placement in blind knee injections. JPS Research Day, June 2012.

Roufeh R, Young RA, Kirk K. Does symptom severity score after sustaining a concussion correlate with recovery time? JPS Research Day, June 2012.

Higgs M, Young RA, Mogonye J. Accuracy of needle placement with blind plantar fascia injections. JPS Research Day, June 2012.

Higgs K, Young RA. Efficacy of Interventions to Prevent Falls in the Elderly. JPS Research Day, June 2012.

Lopez N, Young RA. Acne treatment in a family medicine clinic. JPS Research Day, Jun 2012.

Conners L, Luna J, Winegeart G, Young RA. Process outcomes for patients with lung disease. JPS Research Day, Jun 2011.

Wettermark A, Kirk M, Mogonye J, Young RA. Long term efficacy of hyaluronic acid in knee osteoporosis -- a retrospective study. JPS Research Day, June 2011.

Roufeh R, Young RA. Efficacy of ankle braces to prevent first-time and recurrent ankle sprains: a meta-analysis. JPS Research Day, Fort Worth 2010 and TAFP Annual Scientific Session, San Antonio 2010.

Moonat S, Young RA. Sodium bicarbonate or acetylcysteine for the prevention of contrast-induced nephropathy. AAFP Scientific Assembly, Boston, September 2009.

Wieser B, Carter E, Darby G, Young RA. Comparison of diabetes case management approaches. NAPCRG Annual Meeting, Montreal. November 2009.

Casey D, Wooldridge L, Young RA. Four years of residency --combining fellowship training into the residency years: JPS P4. Family medicine residency directors' workshop. Kansas City, MO, June 2009.

Gupta L, Hadley LC, Young RA. Impact of new Medicare guidelines on Decubitus ulcers at JPS: A cross sectional study. JPS Research Day, Fort Worth, April 2009.

Mathews R, Hadley LC, Young RA. Smoking cessation and nicotine dependence in the elderly. JPS Research Day, Fort Worth, April 2009.

Tee CM, Hadley LC, Young RA. Evaluating bone mineral density and lifelong calcium intake in an African, Asian, and Middle Eastern immigrant population. JPS Research Day, Fort Worth, April 2009.

Moonat S, Young RA. Acetylcysteine and sodium bicarbonate to prevent contrast-induced nephropathy. JPS Research Day, Fort Worth, April 2009.

Wieser B, Carter E, Darby G, Young RA. Comparison of three approaches to diabetes case management. TAFP Annual Scientific Session, Houston, July 2008 and JPS Research Day, Fort Worth, April 2009.

Menzies R, Barbee J, Young RA. A retrospective evaluation of orthopedic outpatient referrals made by a primary care Sports Medicine department. TAFP Annual Scientific Assembly. Houston 2008.

Ross S, Young RA, Franks J. The effect of acculturation and other psychosocial factors on glycemic contol in Hispanics with diabetes. TAFP Annual Scientific Assembly. Houston 2008.

Webb A, Young RA. Participatory Action Research for Obesity Prevention. STFM Annual Assembly. Baltimore. April 2008.

Young RA, Webb AR, Casey D, Baumer JG. JPS FMRP P4 Innovation--Extra Training Options in Flexible Tracks. STFM Annual Assembly. Baltimore. April 2008

Oberdofer, E., Lackan, N., Pitts, Y., Azarte-Abdelfetta, H., Young, R., Webb, A., Mauk, E., Urrutia-Rojas, X. FITFUTURE: Impact of Nutrition Education and Physical Activity Based on Race and Gender. UNT Health Science Center sixteenth annual Research Appreciation Day (RAD). March 28, 2008.

Young RA, Urrutia-Rojas X, Webb A, Lackan N, McGuigan J, Mauk E. A community based participatory research project to prevent and reduce childhood obesity in a low-income minority elementary school. Presented at NAPCRG Vancouver, BC, Canada, October 2007.

McGuigan J, Young RA, Urrutia-Rojas X, Webb A, Lackan N. A CBPR project to prevent and reduce childhood obesity in a low-income minority elementary school. Presented at NAPCRG pre-conference workshop on CBPR and aboriginal health, Vancouver, BC, Canada, October 2007.

Verma A, Young RA. Glycemic outcomes of a sliding scale insulin protocol ordered for patients in a general hospital ward. Presented at the TAFP Annual Scientific Session 2006 and the AAFP Annual Scientific Assembly October 2007.

Brown TG, Blackwell K, Young RA. Inappropriate acid suppression in hospitalized patients – a comparison of three admission services. Presented at the TAFP Annual Scientific Session 2007 and the AAFP Annual Scientific Assembly October 2007.

Tran Y, Young RA. Do obese children from a low socio-economic population benefit from a childhood obesity program? – a pilot study. Presented at the TAFP Annual Scientific Session 2006 and the AAFP Annual Scientific Assembly October 2007.

Edwards T, Young RA, Lowe A. Response by an integrated family medicine clinic system to victims of Hurricane Katrina. Presented at the TAFP Annual Scientific Session 2006 and AAFP Annual Scientific Session 2006.

Ho R, Barnhill M, Young RA. Adequacy of colposcopic biopsies at family medicine and OB/GYN clinics. Presented at the TAFP Annual Scientific Session 2006 and the AAFP Annual Scientific Assembly October 2007.

Bush T, Young RA, White M. Impact of a pharmacy policy change on heart failure admissions. Presented at the TAFP Annual Scientific Session 2006.

Craig S, Rudolph T, Young RA. Impact of heart catheterizations on the care of patients with myocardial infarctions. Presented at the TAFP Annual Scientific Session 2006.

Marroquin R, Young RA. Dietary supplement use in a low socio-economic status population. Presented at the TAFP Annual Scientific Session 2006 and the AAFP Annual Scientific Assembly October 2007.

Young RA, Webb A, Baumer JG. Physician satisfaction and residency training. Presented at the STFM annual meeting, April 2006, San Francisco, CA.

Shahid S, Young RA. Herbal Medicine Within the Latino Community of Fort Worth, Texas. Presented at the TAFP Annual Scientific Session 2005 and the AAFP Annual Scientific Session 2006.

Chai C, Crawford J, Young RA. Management of Gestational Diabetic Patients by JPS Family Medicine Residents. Presented at the TAFP Annual Scientific Session 2005 and the AAFP Annual Scientific Session 2006.

Cochran E, Young RA. Yoga and Its Effect on Various Disease Processes – A Literature Review. Presented at the TAFP Annual Scientific Session 2005.

Metz A, Rana H, Carter E, Young R. Diabetic Retinopathy Screening in a County Hospital Outpatient Clinic Setting. Presented at the TAFP Annual Scientific Session 2005 and the AAFP Annual Scientific Session 2006.

Ye Y, Finklea D, Young RA. Patterns of Care of Resident Teaching Services and Hospitalists for COPD Patients. Presented at the TAFP Annual Scientific Session 2005 and the AAFP Annual Scientific Session 2006.

Bradshaw S, Coath G, Carter E, Young RA. Outpatient Asthma Management at the John Peter Smith Family Health Center. Presented at the TAFP Annual Scientific Session 2005 and the AAFP Annual Scientific Session 2005.

Baumer JG, Webb AR, Young, RA. Teaching professionalism using a state board videotape. Presented at the 2005 ACGME Annual Educational Conference in Kissimmee, Florida.

Young RA, Baumer JG, Smith KV, Passmore C, DeHaven MJ. Grant writing and research output by family physician residency faculty. 32nd Annual meeting of NAPCRG, Orlando, Fl 2004.

Young RA, Carter E. Integration of the quality improvement and research curricula at the John Peter Smith FMR. STFM Annual Session 2004.

Johnston L, Dabelic K, Carter E, Young RA. Prevalence of pediatric obesity in 3 community health center clinics. Texas Academy of Family Physicians Annual Scientific Session 2004. AAFP Annual Scientific Session 2004.

Hadley L, Carter E, Young RA. The correlation of depression and smoking in the elderly. Texas Academy of Family Physicians Annual Scientific Session 2004. AAFP Annual Scientific Session 2004.

Clark R, Vela R, Carter E, Clark P, Young RA. The quality of inpatient stroke care at JPS. Texas Academy of Family Physicians Annual Scientific Session 2004. AAFP Annual Scientific Session 2005.

Herrera R, Ogeda F, Clark P, Carter E, Young RA. Predictors of length of stay for patients hospitalized with cellulitis. Texas Academy of Family Physicians Annual Scientific Session 2004. AAFP Annual Scientific Session 2005.

Williams J, Adams R, Clark P, Carter E, Young RA. Quality of pneumonia care at JPS. Texas Academy of Family Physicians Annual Scientific Session 2004. AAFP Annual Scientific Session 2005.

Stone M, Carter E, Carter P, Johnston B, Young RA. Hepatitis C virus screening and treatment at John Peter Smith Hospital. Texas Academy of Family Physicians Annual Scientific Session 2003.

Paik E, Atwood D, Stone M, Jain A, Ampelas M, Carter E, Carter P, Johnston B, Young RA. An intern-led initiative to improve the availability of computerized prenatal care data to labor & delivery using a rapid-cycle quality improvement process. Texas Academy of Family Physicians Annual Scientific Session 2003 and AAFP Annual Scientific Session 2004.

Killoren V, Chancellor J, Carter E, Carter P, Carter B, Young RA. A review of pancreatitis care at John Peter Smith Hospital with a focus on length of stay. Texas Academy of Family Physicians Annual Scientific Session 2003.

Doenges S. Carter E, Carter P, Johnston B, Young RA. Quality of care at John Peter Smith Hospital for patients with heart failure and angina. Texas Academy of Family Physicians Annual Scientific Session 2003.

Young RA, Buchanan RJ. Use of the protein/creatinine ratio of a single voided urine sample in the evaluation of preeclampsia. AAFP Annual Scientific Session 1994.

Peer Reviewed Publications

Young RA, Roberts RG, Holden RJ. The Challenges of Measuring, Improving, and Reporting Quality in Primary Care. *Ann Fam Med* 2017;15:175-182.

Young RA. Maternity care services provided by family physicians in rural hospitals. JABFM 2017;30(1):71-77.

Young RA, Kester K, Dollar C, Zuniga C. Comprehensive services of family physicians provided in rural Texas hospitals. Texas Family Physician 2017;67(1):25-29.

Robert L. Ferrer, Sandra K. Burge, Raymond F. Palmer, Inez Cruz, The RRNeT Investigators. Practical Opportunities for Healthy Diet and Physical Activity: Relationship to Intentions, Behaviors, and Body Mass Index. Ann Fam Med 2016;14:109-16.

Haynes J, Bowers T, Young R, Sanders T, Schultz K. Managing Spaghetti Syndrome In A Critical Care Setting Using A Novel Device: A Nursing Perspective. Critical Care Nurse 2015;35:38-45.

Edwards DS, Burge SK, Young RA, Peterson LE, Babb FC. Inpatient Hand-Offs in Family Medicine Residency Programs: A CERA Study. Fam Med. 2015 May;47(5):362-6.

Young RA. Bad Assumptions on Primary Care Quality. BMJ Qual Saf 2015;24:345.

Young RA, Overton TL. The Correlation of Family Physician Work with Submitted Codes and Fees. Am J Manag Care 2014;20:876-82.

Young RA. Health is primary: Getting closer, but not there yet [eletter]. Ann Fam Med. http://annfammed.org/content/12/Suppl 1/S1/reply#annalsfm el 28595, 6 November 2014.

Young RA, Bayles B, Hill JH, Kumar KA, Burge S. Family Physicians' Opinions on the Primary Care Documentation, Coding, and Billing System: A Qualitative Study From the Residency Research Network of Texas. Fam Med 2014;46(5):378-84.

Young RA, Bayles B, Hill JH, Kumar KA, Burge S. Family Physicians' Suggestions to Improve the Documentation, Coding, and Billing System: A Study From the Residency Research Network of Texas. Fam Med 2014;46(6):470-2.

Young RA. Preventable Acute Care Spending for Medicare Patients. JAMA 2013;310(18):1984.

Young RA, Bayles B, Benold TB, Hill JH, Kumar KA, Burge S. Family physicians' perceptions on how they deliver cost-effective care: A qualitative study from the Residency Research Network of Texas (RRNeT). Family Medicine 2013;45(5):311-8.

Young RA, DeVoe JE. What could family income be if health insurance were more affordable? Family Medicine 2012;44:633-6.

Jason H. Hill, MS, Sandra Burge, PhD, Anna Haring, BA, and Richard A. Young, MD. Communication Technology Access, Use, and Preferences among Primary Care Patients: From the Residency Research Network of Texas (RRNeT). J Am Board Fam Med 2012;25:625–634.

Young RA, DeVoe JE. Who Will Have Health Insurance in the Future? – An Updated Projection. Ann Fam Med 2012;10:156-62.

Young RA, Benold TB, Whitham J, and Burge SK. Factors Influencing Work Interference in Patients With Chronic Low Back Pain: A Residency Research Network of Texas (RRNeT) Study. J Am Board Fam Med 2011;24 503-510.

Kimberly G. Fulda, Kristen A Hahn, Richard A Young, James D Marshall, Billy J Moore, Anna M Espinoza, Nicole M Beltran, Pam McFadden, Andrew D Crim, Roberto Cardarelli. Recruiting PBRN Physicians to be Research Participants: Lessons Learned from the NorTex Needs Assessment Study. JABFM 2011;24 610-615.

Young RA, Fulda K, Suzuki S, Hahn K, Espinoza A, Marshall J, Moore B, Cardarelli R. The Influence of Research Compensation Options on PBRN Physician Participation: a North Texas (NorTex) PBRN Study. JABFM 2011;24 503-510.

Roger D. Garvin, M. Patrice Eiff, Perry Pugno, Alan Douglass, Marguerite Duane, Richard Young, John W. Saultz, Elaine Waller, Patricia A. Carney. A P4 Report: Effect of Curriculum Innovation on Residency Applications and Match Performance. Fam Med 2011;43(7):472-9.

LoPresti L, Young RA, Douglass A. Learner-directed intentional diversification: the experience of three P4 programs. Fam Med 2011;43(2):114-6.

Sarah E. Ross, Susan F. Franks, James Hall, Richard Young, Roberto Cardarelli. Levels of Acculturation and Its Effect on Glycemic Control in Mexican and Mexican Americans with Type 2 Diabetes Mellitus. Postgraduate Medicine 2011 Jan;123(1):66-72.

Webb AR, Young RA, BaumerJG. Emotional intelligence and the ACGME competencies. J Grad Med Educ 2010;2:508-12.

Cardarelli R, Cardarelli K, Fulda K, Espinoza A, Cage A, Vishwanatha J, Young RA; Steele D, Carroll J. Self-reported racial discrimination, response to unfair treatment, and coronary calcification in asymptomatic adults - the North Texas Healthy Heart study. BMC Public Health 2010, 10:285

Menzies RD, Young RA. Referrals from a primary care-based sports medicine department to an orthopaedic department: a retrospective cohort study. Br J Sports Med 2010; Oct 2010. doi:10.1136/bjsm.2010.072736

Young RA. Comparing costs and quality of care at retail clinics with those of other medical settings. Ann Intern Med 2010;152:266.

Eiff MP, Garvin R, Fogarty CT, LoPresti L, Young RA, Duane MR, Creach ED, Saultz JW, Pugno P, Carney PA. A model for a standardized national family medicine graduate survey. Family Medicine 2009;41:337-41.

Young RA, Webb A, Lackan N, Marchand L. Family Medicine Residency Educational Characteristics and Career Satisfaction in Recent Graduates. Family Medicine 2008;40:484-91.

Webb AR, Young RA, Casey DF, Baumer JG. Matching up with P4. Family Medicine 2008;40:692.

Young RA, DeHaven MJ, Passmore C, Baumer JG, Smith KV. Research funding and mentoring in family medicine residencies. Family Medicine 2007;39(6):410-8.

Edwards TG, Young RA, Lowe AF. Caring for a surge of Hurricane Katrina evacuees in primary care clinics. Ann Fam Med 2007;5:170-4.

Garza S, Young RA. Herbal and natural medicines in the Latino community. Family Medicine 2007;39(1):7-8.

Young RA, DeHaven MJ, Passmore C, Baumer JG. Research participation, protected time, and research output by family physicians in family medicine residencies. Family Medicine 2006;38(5):341-8.

Young RA, Byrd AN. Practice patterns of rural Texas physicians trained at a full service family practice residency program. J Texas Med 1999;95:64-8.

Young RA. Ugly stepchildren? J Family Practice 1999;48:230.

Young RA. Third party funding of health care services for the uninsured of Tarrant County. J Texas Med 1999;95:50-4.

Young RA. Random protein-creatinine ratio for the quantitation of proteinuria in pregnancy. Obstet & Gynec 1998;9:640.

Young RA. The AHCPR unstable angina algorithm in practice. JAMA 1997;277:961-2.

Young RA, Buchanan RJ. Use of the protein/creatinine ratio of a single voided urine sample in the evaluation of preeclampsia. Journal of Family Practice 1996;42:385-9.

Invited Presentations

Burge S, Young RA. How to Grow Research in Family Medicine Residencies. STFM Practice Improvement Conference. Dec 2016.

Young RA. Male Cancer Screening. TCOM Grand Rounds. November 2015.

Young RA. Rural OB Coverage and Impact of Family Physicians. TCOM OB, rural, and family medicine interest groups. March 2015.

Young RA. Creating a Fairer Primary Care Payment Reform. Northeastern Family Medicine Education Consortium. Philadelphia, PA, October 2013.

Young RA. Creating a Fairer Primary Care Payment System. Family Medicine Leaders in Large Multispecialty Groups conference. Grapevine, TX, Mar 2013.

Young RA. Creating a Fairer Primary Care Payment System. AAFP Commission on Practice and Quality. Kansas City, MO, Feb 2013.

Young RA. "I Do Everything I Can for My Patients" – The Harms of an Overly-Aggressive, Exorbitantly-Priced U.S. Healthcare System (and What to Do About It). UT Southwestern Medical School Family Medicine Interest Group, Jan 2013.

Young RA. Creating a Fairer Primary Care Payment System. Center for Medicare and Medicaid Innovation Conference. Baltimore, MD, Sep 2012.

Young RA. The crisis of healthcare costs. Cleburne Rotary, Sept. 2011.

Young RA. The crisis of healthcare costs. Southside Fort Worth Rotary, June 2011.

Baumer JG and Young RA. Healthcare quality and cost for business: the case for family medicine. Leadership Fort Worth, March 22, 2007

UNTHSC- Texas College of Osteopathic Medicine. January 24, 2007. MPHI (Medical/Public Health Initiative). Childhood Obesity Prevention Initiatives.

Baumer JG and Young RA. Healthcare quality and cost for business: the case for family medicine. Downtown Fort Worth Rotary. November 17, 2006.

Young RA. Cost-effectiveness of primary care—a journey outside the box. TAFP task force on pay-for-performance and Blue Cross/Blue Shield joint meeting. June 2005, Plano, TX.

Young RA, Baumer JG, Barber S, Smith KV. Results of the JPS FMRP alumni survey. Family Medicine Summit. Fort Worth, TX, April 9, 2005.

Let's Make a Deal – Economic choices in health care. Leadership conference of the Texas Academy of Family Physicians 2002.

Caring for the uninsured of Tarrant County. Tarrant County Ethics Consortium 1997.

Young RA. Role of Family Medicine in Reducing Unnecessary Tests and Treatments. Avoiding Avoidable Care Conference. Boston, MA, December 2013.

Other Publications

A better way to train family physicians. Texas Family Physician Summer 2015; 65(3)

A Texas Longhorn in the Queen's Surgery. Texas Family Physician Winter 2014; 65(1)

A better way to value family physicians' work. Texas Family Physician 2013; 64(4):36.

By choosing wisely, physicians can help address the unsustainable trajectory of health care costs. *Texas Family Physician*; Summer 2012; 63:38.

American HealthScare: How the Healthcare Industry's Scare Tactics Have Screwed Up Our Economy – and Our Future. Novel Instincts Publishing 2012. Dallas, TX.

From NAPCRG to WHOPPER? Young RA; Annals of Family Medicine; 2011;9:376.

Demand a CRP test—everyone is doing it. Texas Family Physician, Winter 2009.

The price is wrong. Texas Family Physician, Jan-Mar 2006.

Bitter Medicine – Six unpleasant health-care issues that must be faced before overhauling the system. Fort Worth Star-Telegram, June 11, 2000

What do you want? Doctors caught between expectations of patients and payers. Op/Ed editorial, Fort Worth Star-Telegram, December 15, 1996

Response to "An open letter to your HMO." Tarrant County Physician. December 1995

Other Research

Investigator, ALLHAT trial, 1997-2002.

Website

American HealthScare at www.healthscareonline.com

Revised 5/12/2017





Curriculum Vitae Anthony Zepeda, MD SFHM

CURRENT TITLE:

Palliative Care Physician

Hospitalist

BUSINESS ADDRESS

1500 South Main Street Fort Worth, Texas 76104

Chronology of Education

UNDERGRADUATE EDUCATION:

Years	Degree(s)	Institution, City, State
1997-2001	B.A. Philosophy, (cum laude)	Azusa Pacific University, Azusa, CA

GRADUATE EDUCATION:

Degree(s)	Institution, City, State
Doctor of Medicine	Tufts School of Medicine, Boston, MA
	- 3 17

POSTGRADUATE TRAINING:

Years	Training Level/Specialty	Institution, City, State
2006-2009	Residency, Family Medicine	Ventura County Medical Center, Ventura, CA
2008-2009	Chief Residency, Family Medicine	Ventura County Medical Center, Ventura, CA

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BOARD CERTIFICATION:

Year Certified	Board	Specialty
2009	ABFM	Family Medicine

LICENSURE:

Year Granted	Agency/State and License #	Expiration/Comments
2008-2012	California Medical Board, California,	Voluntarily relinquished 2012 since
	A104319	working in Texas only
2010-2019	Texas Medical Board, Texas, N7515	August 2019

Chronology of Employment

OTHER PROFESSIONAL EXPERIENCE:

Years	Title(s)	Institution, City, State
2009-2010	Urgent Care Physician	Las Islas Urgent Care, Oxnard, CA
2009-2010	Family Physician	Loma Vista Family Practice, Ventura, CA
2010-2014	Hospitalist, Assistant Director of	JPS Physician Group, Fort Worth, TX
	Hospitalist Services	
2014-2017	Hospitalist	Sound Physicians, Fort Worth, TX
2017-present	Palliative Care Physician, Teaching	Acclaim, Fort Worth, TX
	Hospitalist	
2017-present	Assistant Director	Serenity Hospice, Fort Worth, TX

CURRENT TEACHING RESPONSIBILITIES:

Years	Course/Site	Role	
2017-Present	Family Medicine Residency, John Peter Smith Hospital	Teaching Attending	

Honors and Awards

Years Honor/Award Type		Institution	
2015	Fellow of Society of Hospital Medicine	Society of Hospital Medicine	
2016	Senior Fellow of Society of Hospital	Society of Hospital Medicine	

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	Medicine	
2017	Fort Worth Top Doctor Family Medicine,	360 West Magazine
	and Internal/Hospital Medicine	, and the second
2017	Texas Rising Stars Physician	Texas Monthly
	K ^c	·

ADMINISTRATIVE EXPERIENCE

Administrative Duties

Years	Title/Role,	Institution, City, State, Country
2011-2014	Assistant Director of Hospitalist	JPS Physician Group, Fort Worth, TX, USA
	Services	, , , , , , , , , , , , , , , , , , , ,

Professional & Scientific Committees

1		
Title/Role,	Institution, City, State, Country	
Residency Selection Committee	Ventura County Medical Center, Ventura,	
Residency Director Search Committee	CA, USA	
ICU Director Search Committee		
Medical Record Committee		
Performance Improvement Coordinating		
Council	2	
Intensive Care Unit Committee		
Trauma Committee	is the second se	
Medical Executive Committee	45°	
Ethics Committee	John Peter Smith Hospital, Fort Worth, TX,	
Throughput Committee	USA	
Performance Improvement Diabetes	vement Diabetes	
Medication Subcommittee		
Heart Failure Clinic Development	ment	
Committee		
Performance Improvement Critical Lab		
Value Subcommittee		
Physicians Champion Steering		
Committee	1	
Interdisciplinary Review Committee	.=	
Medication Reconciliation Committee		
Palliative Care Task Force		
	Residency Selection Committee Residency Director Search Committee ICU Director Search Committee Medical Record Committee Performance Improvement Coordinating Council Intensive Care Unit Committee Trauma Committee Medical Executive Committee Ethics Committee Throughput Committee Performance Improvement Diabetes Medication Subcommittee Heart Failure Clinic Development Committee Performance Improvement Critical Lab Value Subcommittee Physicians Champion Steering Committee Interdisciplinary Review Committee Medication Reconciliation Committee	

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2013-2013	CHF Steering Committee
2013-present	Meaningful Use Steering Committee
2014-2015	Patient Safety Steering Committee
2015-present	Chair of Multidisciplinary Review
	Committee (sentinel events)
2016-present	Medical Executive Committee

PROFESSIONAL COMMUNITY ACTIVITIES

Years	Title/Role,	Institution/Organization, City, State,
		Country
2015-present	Physician	Beautiful Feet Homeless Shelter, Fort
		Worth, TX USA

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Students Supervised

Inclusive years	Student Name	Awards/Recgonition	Where did student go after completing training with you?
2012-2013	Whitney Villegas - nurse practitioner		Trauma nurse practitioner
2013-2013	Lesley O'Hara - nurse practitioner		Palliative care nurse practitioner
2014-2014	Carra Dedusevic - nurse practitioner	2	Family nurse practitioner

—TCU and UNTHSC— School of Medicine





Appendix I:

Letters of Support from Peer Institutions and/or Area Employers

Letters will be inserted upon receipt and prior to submission to the THECB.