Addendum #1

Please note the following clarifications are hereby made to the aforementioned RFP.

This addendum is being issued to answer questions that have been submitted as follows:

Questions and Answers

Question 1:  What is the field strength of the current (and future) clinical MRI systems at UNTS? (i.e. 1.5T, 3T, 7T?)

**3T**

Question 2:  Could you please verify whether the vendor would have access to a fork lift (and operator) at the docking/shipping bays upon delivery of the equipment at UNT?

*Yes, this can be coordinated through the construction office*

Question 3:  Could you please clarify which one of the “utility chases” behind the imaging room would be available to use for the ancillary equipment, if at all?

*Please send a drawing or we can go walk the space to verify*

Question 4:  For the connection of the proposed equipment to the pains power supplies during the installation, will the UNT electricians be on hand to perform this task?

*Yes, we can schedule the electricians to be on site that day*

Question 5:  For the reference list of current users, are these to be in the USA only? If not, what countries/regions are acceptable to use as references of installed systems?

*USA only*

Question 6:  Do any of the room requirements/renovations be the responsibility of the vendor or will these be provided by UNT? (i.e. power outlets, water supply, pass-through conduits, etc.)

*Room renovations will be the responsibility of UNTHSC*
Question 7: Is UNT interested in imaging obese rats, marmosets, or rabbits?
Desirable but not required

Question 8: Is it required to have a CT with zoom function?
Desirable but not required

Question 9: Is there a desire to enhance throughput by imaging 3-4 mice simultaneously?
Desirable but not required

Question 10: Would a Transaxial Field Of View of 120mm be a better solution than 80mm to ensure homogeneity over a larger volume for large or multiple animals?
Desirable but not required

Question 11: Would a 100 mm Axial Field Of View be a better solution than a 46mm Axial Field Of View, as it would negate the need for multiple bed movements to image the full animal?
Desirable but not required

Question 12: Does UNT require a high count rate, such as 850kcps@65MBq, which is critical for large or multiple animals?
Desirable but not required

Question 13: Does UNT require positron range correction?
Desirable but not required

Question 14: Does UNT require CT iterative reconstruction for elimination of artifacts?
Desirable but not required

Question 15: Does UNT desire higher power CT (>60W)?
Desirable but not required

Question 16: Should the MRI be completely liquid cryogen-free meaning no volume at all of liquid Helium or liquid Nitrogen?
Desirable but not required

Question 17: Can multiple/alternative bids be submitted (PET/CT and standalone MRI instead of a PET/MRI and a standalone CT)?
Yes. Up to a total of 3 bids may be submitted. Multiple or alternative bids may be submitted for alternative modality configurations, such as PET/CT and standalone MRI instead of a PET/MRI and a standalone CT, as long as those bids are submitted within the guidance provided in the RFP: Integrated preclinical multi-modality imaging system with a minimum of sequential MR and PET capabilities for whole body imaging of rodents. Optimal configurations would also include CT capabilities and a common operating system across all imaging modalities. The language from the RFP is not intended to limit how the capabilities could be configured.

Question 18: Does the vendor need to provide acoustic information for the MRI, as mouse hearing is sensitive?
Desirable but not required
Question 19: Does the sequence development program for the MRI need to be simple and straightforward utilizing Java and Matlab scripts?
   *Desirable but not required*

Question 20: Does the MRI not need to require a quench pipe or a Faraday cage?
   *UNTHSC requires a system that does not mandate a quench pipe or Faraday cage*

Question 21: Is full integration of PET reconstruction and MRI data required at sub-mm precision, which is necessary for meaningful co-registration, accurate attenuation and scatter correction?
   *Desirable but not required*

Question 22: Is automated software co-registration required, which is critical for co-registered data?
   *Desirable but not required*

Question 23: Are bed movements not permitted, as they would result in loss of information and quantification?
   *Desirable but not required*

Question 24: Is <19% energy resolution required for image quality and accurate quantification?
   *Desirable but not required*

Question 25: Does the homogeneity of the magnet need to be better than +/- 0.5 ppm over 50mm for highest resolution?
   *Desirable but not required*

Question 26: Does the magnet stability need to be better than 0.1 ppm/hr for resolution purposes?
   *Desirable but not required*

Question 27: Should gradient strength be at least 600mT/m for ultimate resolution?
   *Desirable but not required*

---End of Addendum---

Issued by Monica Madrid

July 10, 2020

**ACKNOWLEDGEMENT:** Please acknowledge receipt of this addendum by initialing the appropriate line on the Addenda Checklist, Section 4 of the RFP.