

VUIIS CSAI New Project Applications

All studies utilizing scanner resources available in the VUIIS Center for Small Animal Imaging (CSAI) are required to have a VUIIS-approved project. The application for a new project can be found here: <https://redcap.vanderbilt.edu/surveys/?s=89ARJHC7M9>.

Please allow up to 30 days for review and note that applications may require clarification or revisions. Approval is based upon:

- scientific merit
- feasibility of the research on existing equipment
- availability of equipment
- ability of the investigator to support user fees

Upon approval, you will be sent a confirmation. If your project involves user run equipment, a time for training on the system will be coordinated with you. Once you're approved and trained (if applicable), you'll be given access to our core and the appropriate schedules in the iLab system. For making reservations on the CSAI resources, please refer to VUIIS – Center for Small Animal Imaging in iLab for more information: <https://vumc.corefacilities.org>

Questions about new project applications can be sent to VUIIS.CSAI@vumc.org

Animal Imaging Projects

All research involving animals at the VUIIS must have the appropriate IACUC approval: <https://www.vumc.org/acup/welcome>. Note that it is YOUR responsibility to know what is in your IACUC protocol, not the core personnel's.

If your project involves ABSL-2 animals, you will also need to ensure that you have appropriate approval from OCRS Biosafety to image in our facility: <https://www.vumc.org/acup/absl-2-researchers-resource-page>

Resources and Rates

The following resources are currently available for use: 4.7T MRI/MRS, 7.0T MRI/MRS, 9.4T MRI/MRS, 15.2T MRI/MRS, Scanco uCT40 and uCT50 (ex vivo only), Scano vivaCT, Faxitron x-ray, Autoradiography, Bioscan SPECT/CT, Inveon PET/CT, IVIS Spectrum (BLI/fluorescence), CRI Maestro (fluorescence), Li-Cor Pearl Imager (Near-IR fluorescence), VisEn FMT (fluorescence). Access to scanner time for all projects is based on availability. Reservation calendars for each resource is open two months (60 days) in advance. Current rates can be found on the New Project Request form or our VUMC iLab site. All rates are for

Application Tips

Principal Investigator

- The *Principle Investigator* must be the same as the PI listed on the IACUC protocol.

List the name(s) of research personnel who will be involved with acquiring imaging data.

- The project confirmation email will be sent to everyone listed here in addition to the PI.

Will the study be conducted exclusively on phantoms or *ex vivo* samples?

- Projects approved for phantom scanning cannot be used to book time for animal studies; however, animal projects may be used for phantom scanning.

Center Number (for Paid studies)

- The center number (VUMC customers) or PO (VU customers) must be active in VUMC iLab.
- Please ensure it is active prior to submitting your application to prevent delays in the approval process.
- For intramural funds, such as VICTR vouchers, please enter the *billing number* not the voucher number.