

Instructor, Assistant Professor, or Associate Professor Icahn School of Medicine at Mount Sinai, New York, NY

The Biomedical Engineering and Imaging Institute (BMEII) at the Icahn School of Medicine at Mount Sinai is seeking a Faculty member at the level of Instructor, Assistant Professor, or Associate Professor to lead its *In Vivo* Imaging Core. The core consists of several human imaging scanners (3T, 7T, PET & CT) as well as a microimaging facility (micro 7T, 9.4T, micro-ultrasound, biophotonics & micro PET/CT).

Duties and responsibilities include:

- Work with various faculties within the Institute to develop strategic plans for instrument purchases, maintenance and space allocation.
- Advise and collaborate with faculty to develop imaging protocols.
- Provide training of users with the imaging equipment.
- Advise users in the design of imaging experiments to select the best protocols to answer a scientific question.
- Manage the image analysis core.
- Advise faculty in image analysis metrics and pipelines.
- Assist in the day-to-day operations of the imaging facility.
- Maintain imaging equipment and related peripherals

Desired qualifications:

- Ph.D. in related scientific field
- Knowledge of neuroimaging applications with emphasis on experimental design and analysis.
- Knowledge of physics of MRI & PET a plus
- Experience with small animal imaging modalities a plus

Preferred skills: imaging physics, software and hardware. Matlab, Python, FSL, SPM.

No need to be PI on grants (equivalent to service support). Opportunities to be on collaborative grants available. 100% grant support is not required

Good management and communication skills.

Interested individuals should send a CV and a brief statement of interests to Dr. Zahi A. Fayad (zahi.fayad@mssm.edu)