



Icahn
School of
Medicine at
Mount
Sinai

*BioMedical Engineering
and Imaging Institute*

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

Job description:

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 Assistant Professor or Associate Professor to lead the BMEII cardiovascular multimodal (MR, PET, CT) imaging analysis and clinical trials core.

Responsibilities include working closely with the sponsors' clinical operations teams, data management teams, CROs and clinical/imaging sites to ensure the successful completion of start-up activities, study execution, image analysis and close-out of imaging studies.

Provide support in the development of nano biologic imaging and therapeutic platform developments by the nanomedicine laboratory at Mount Sinai.

Ability to lead a diverse team of radiologists, clinicians, image processing and programming experts, image analysts, data managers, IT personnel and research coordinators.

Additional responsibilities include independent research, contributions to grants, and leadership roles within the Institute. Opportunities for teaching also exist.

Requirements:

Minimum qualifications: MD or PhD in Biomedical Engineering or equivalent discipline. 5+ years experience in multimodality medical imaging.

Broad knowledge in MRI, PET and CT with expertise in one of the multimodality clinical imaging.

Expertise in protocol development and image analysis methodologies for multimodal imaging.

Expertise in designing and executing imaging aspects of early to late-stage clinical trials that use imaging is a plus.

Extensive knowledge of clinical trial regulatory requirements including GCP and GMP, ensuring compliance with FDA and other Federal guidelines/regulations and intimate familiarity with 21CFR Part 11 compliance and GDPR regulations and guidelines.

Publish papers in high impact journals.

Knowledge of software packages such as MATLAB, medical image analysis platforms, pulse sequence programming on the Siemens IDEA platform, programming languages (python, C++, other object-oriented programming methods). Familiarity with AI and machine learning approaches (PyTorch, Tensorflow, CUDA etc).

Interested individuals should send a CV and a brief statement of interests to Dr. Zahi A. Fayad

(zahi.fayad@mssm.edu)