



Icahn
School of
Medicine at
Mount
Sinai

*BioMedical Engineering
and Imaging Institute*

Instructor

Icahn School of Medicine at Mount Sinai, New York, NY

Job description:

Faculty member to lead the Biomedical Engineering and Imaging Institute (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.

Requirements:

Minimum qualifications: MD or PhD in Biomedical Engineering or equivalent discipline. 3+ 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)