Associate Researcher I  
(Icahn School of Medicine at Mount Sinai, New York, NY)

The Translational and Molecular Imaging Institute (TMII) at The Icahn School of Medicine at Mount Sinai is seeking an Associate Researcher to work in the Nanomedicine Laboratories (Director Willem Mulder) and in the Cardiovascular Imaging Laboratories (Director Zahi Fayad) at TMII.

The two laboratories collaborate closely in the development of novel imaging and therapeutic agents, as well as imaging protocol and analyses techniques to better characterize and treat cardiovascular disease. Both groups are located in the newly built Hess Center for Science and Medicine, and are equipped with state of the art instrumentation for the development and testing of novel imaging tracers and nanotheranostics for cardiovascular disease, as well as multiple research-dedicated human and animal systems (9.4T, 7T, 3T, 1.5T, integrated MR/PET, PET/CT, MDCTs, near infra read fluorescence, bioluminescence, ultrasound), among other instruments.

The position will require interaction with a dynamic group of a diverse team of multi-institutional investigators with complementary expertise in vascular biology; cardiovascular immunology; imaging; cardiovascular disease; brain disease; and neuroscience.

The candidate should have a Bachelor of Master degree in biomedical sciences, or engineering, chemistry, computer science, physics, mathematics or any related field. Specific tasks will include:

- Management of laboratory resources, such as ordering and cataloguing of consumables and supplies
- Submission and management of animal and human protocol to the appropriate ethics committees
- Submission of regulatory paperwork related to specific projects to regulatory agencies.
- Work together with research administrators on organizing study protocols, and ensure compliance
- Management of animals colonies, and animals handling
- Running imaging experiments on either pre-clinical or clinical systems
- Performing ex vivo analysis (histology, fluorescence, radiometric assays)
- Analysis of laboratory and imaging data, as well as compilation of results
- Perform other related work as required

Appropriate training for each task will be provided, and tasks will be performed under the supervision of the research team. Salary will be commensurate with the cost of living in New York.

Please send a CV and brief statement of research interests to Dr. Zahi Fayad at zahi.fayad@mssm.edu