



## Research Scientist/Imaging Analyst (Icahn School of Medicine at Mount Sinai, New York, NY)

The Advanced Neuroimaging Research Program at Icahn School of Medicine at Mount Sinai, New York is seeking a Research Scientist/Imaging analyst to join a team that focuses on development of novel imaging technologies and their application to diagnosis, treatment and surgical planning for a wide range of diseases, including epilepsy, brain tumors, psychiatric illnesses, multiple sclerosis and spinal cord injury.

### **Job Responsibilities:**

- Design, implement and optimize image processing, computational and analyses pipelines for multimodal neuro imaging, including fMRI, diffusion MRI etc. on our high performance compute server.
- Maintain and develop an in-house standardized image processing pipeline written in Python.
- Integrate third party pipelines with tailored in-house pipelines.
- Contribute to writing of journal and conference papers. Participate fully in collaborative research.
- Attend lab meetings, stay abreast of developments in image analysis and machine learning.
- Coordinate data integration from ongoing studies.
- Teach lab members about image processing steps, outputs and to quality control approaches.
- A minimum three-year commitment is strongly encouraged.

### **Education:**

Bachelor's degree in a technology related field, computer science or related field. Masters in Computer Science preferred.

### **Skill Requirements:**

Programming skills in MATLAB, Python, Unix/Linux and scientific. Experience with web development (HTML, JavaScript), flask, and R is desired but not required. Excellent professionalism and communication skills required.

The positions are immediately available until filled. Please send a CV and brief statement of research interests and experience to **Dr. Priti Balchandani (priti.balchandani@mssm.edu)** and **Dr. Yang Yang (yang.yang@mssm.edu)**.

### **About Icahn School of Medicine at Mount Sinai:**

The Icahn School of Medicine at Mount Sinai is proud to stand as a leader in medical and scientific training, biomedical research and patient care. It attracts outstanding scientists, clinicians and students, all of whom share a deep commitment to expanding biomedical knowledge, providing expert clinical care and serving the community. Working in close partnership with The Mount Sinai Hospital, the Icahn School of Medicine serves one of the most diverse and complex patient populations in the world. Our passion for patient-focused research and education has inspired generations of physicians and researchers to learn, teach and practice breakthrough translational medicine on our campus.

The Translational and Molecular Imaging Institute (TMII) is housed in a 30,000 sq ft state-of-the-art Imaging Institute with 16 faculty members and 60 members utilizing cutting edge instrumentation, including multiple research-dedicated systems including the Siemens: 7T, 3T, 1.5T, MR/PET, PET/CT, MDCT, among other instruments. The position will require interaction with a diverse team of multi-institutional investigators with complementary expertise in MRI, CT and Nuclear Medicine imaging.

The Mount Sinai Medical Center is an equal opportunity/affirmative action employer. We recognize the power and importance of a diverse employee population and strongly encourage applicants with various experiences and backgrounds. Mount Sinai Medical Center--- An EEO/AA Employer M/F/D/V