



Post-doctoral Fellow in Neuroimaging Research

The Estelle and Daniel Maggin Department of Neurology at Icahn School of Medicine at Mount Sinai New York, New York is offering a full time position as Postdoctoral Research Fellow.

Applicants should have a Ph.D. degree in biomedical engineering, or applied Mathematics and should have knowledge and experience in both task-based and resting-state fMRI, EEG-fMRI and Diffusion MRI. Experience with fMRI analysis software packages, presentation software, strong computer programming skills (e.g., in C/C++ & especially MATLAB) are highly desirable. Experience with modeling and graph theory analysis would be a distinct advantage.

The newly constructed Hess Center for Science and Medicine at Mount Sinai hosts both state-of-the-art and cutting-edge imaging equipment including 1.5 Tesla, 3.0 Tesla, integrated MR/PET, PET/CT and human 7.0 Tesla (Siemens Medical Solutions, Erlangen, Germany). The Hess Center has a very active interdisciplinary research team consisting of people from engineering, physics, chemistry, biology, and neuroscience backgrounds.

The post-holder will be expected to implement/develop novel image post-processing, computational and statistics methods to analyze fMRI data from specific groups of neurological patients in collaboration with clinicians and investigators involved in real-time fMRI, PET imaging, EEG and rehabilitation. The Lab has a strong interest in developing new algorithms for integrating neuroimaging modalities, laboratory and behavioral measures in neurological diseases.

Potential applicants are encouraged to contact Matilde Inglese, Associate Professor Neurology, Radiology and Neuroscience (email: matilde.inglese@mssm.edu) to find out more about the role, before submitting a formal application including CV and 3 references.