



Post-doctoral Fellow in Functional Neuroimaging Research

A position for a Postdoctoral Fellow is available in the laboratory of Dr. Matilde Inglese, in The Estelle and Daniel Maggin Department of Neurology at Icahn School of Medicine at Mount Sinai in New York.

The group is interested in developing new algorithms for integrating neuroimaging modalities, clinical and cognitive behavioral measures in neurological diseases. The post-holder will be expected to develop novel image processing, computational and statistics methods to analyze functional MRI data from specific groups of neurological patients in collaboration with clinicians and investigators involved in real-time fMRI, PET imaging, EEG and rehabilitation.

Applicants should have a Ph.D. in Biomedical engineering, MR physics or Neurosciences with a solid mathematical background and should have knowledge and experience in fMRI analysis. Experience with fMRI analysis software packages (FSL, SPM, AFNI), presentation software, experimental design, and strong computer programming skills (especially MATLAB) are highly desirable.

This a full time NMSS-funded position and the lab is located at the newly constructed Hess Center for Science and Medicine at Mount Sinai, which hosts 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.

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.