Postdoctoral position in Neuroimaging
McLean Imaging Center, McLean Hospital
Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital
Harvard Medical School

Postdoctoral fellow or Research Associate positions are opening in the McLean Imaging Center at McLean Hospital and Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Harvard Medical School. The candidate in this position will participate in studies with MRI/MRS technique developments with translational imaging that include both human subjects and animal models. Multimodal neuroimaging techniques (fMRI, DTI, ASL, MRS, EEG, TMS) are used to outline the trajectories of biological development in the lifespan of diseases and to identify biomarkers for the diseases’ progression, treatment engaged targets and response. The primary focus of clinic will be on brain immuno-oxidative stress, brain circuits and E/I balance in neuropsychiatric disorders (schizophrenia, depression, and Alzheimer’s). The candidate will also be involved with industry-sponsored projects on gene therapy.

The Imaging Center at McLean Hospital has a state-of-art facility including two Siemens 3T scanners (Prisma), a Varian 4T human whole-body MRI scanner and a 9.4T Varian horizontal animal imaging system. The major work of this candidate will be on 7T Siemens human scanners at the Athinoula A. Martinos Center to design, program and implement data acquisition protocols, and to acquire, analyze and interpret the experimental results.

The postdoctoral candidate should have a background in biomedical engineering, physics, neuroscience, or a related discipline with experience in MRI/MRS. Experience with MRI/MRS physics, image or spectroscopy data processing such as FSL, SPM, LCmodel are highly desired. Programming skills in a computer language as MATLAB and scientific computing are very helpful.

The positions are available immediately and salary is commensurate with experience. The candidate will work with a large multidisciplinary team of clinical physicians and research collaborators (Drs. Dost Ongur, Diego Pizzagalli, et al.) in Biomedical Imaging, Psychiatry, and Neurology to extend the boundaries of knowledge about neuropsychiatric disorders through innovative research from bench study to bed side---preclinical and clinical trial studies. The candidates will be able to develop their own interests for grant applications and develop a strong network of collaborators in Mclean and MGH, Harvard Medical School.

McLean/Mass General Brigham is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. To be considered for this position, please send your CV, a cover letter with a statement of research interests, and three references to:

Fei Du, Ph.D.
fdu@mclean.harvard.edu
Associate Professor, Harvard Medical School
Director, Laboratory of High-Field Imaging and Translational Neuroscience
McLean Imaging Center, McLean Hospital
Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital