Two postdoctoral fellow or Research Associate positions (3 years, renewable) are opening in the McLean Imaging Center at McLean Hospital, Harvard Medical School. The candidate 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) are used to outline the trajectories of biological development in the early phase of diseases and to identify biomarkers for the diseases’ progression, treatment engaged target and response, supported by the newly NIH funded grants. The primary focus will be on brain immuno-oxidative stress and 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 (Trio and Prisma), a Varian 4T human whole-body MRI scanner and a 9.4T Varian horizontal animal imaging system. A 7T Siemens human scanner at the Athinoula A. Martinos Center for Biomedical Imaging at Massachusetts General Hospital is accessible for the particular interested.

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

The positions are available immediately and salary is commensurate with experience. McLean and Harvard offer excellent programs for the career development. The candidate will work with a large multidisciplinary team of clinical physicians and research collaborators in Biomedical Imaging, Psychiatry, Neurology, and Psychology 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 (e.g. Drs. Dost Ongur, Diego Pizzagalli, and Brent Forester).

McLean 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:

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