POSTDOCTORAL RESEARCH FELLOW — MULTI-MODAL DYNAMIC FUNCTIONAL IMAGING OF AGING AND ALZHEIMER'S DISEASE

Athinoula A. Martinos Center for Biomedical Imaging
Massachusetts General Hospital (MGH)
Harvard Medical School

A post-doctoral research fellow position in multi-modal neuroimaging of Aging and Alzheimer's disease is available at the Athinoula A. Martinos Center for Biomedical Imaging, MGH. This position is funded by NIH and foundation awards that integrate simultaneous EEG-fMRI and dynamic PET imaging to characterize sleep-wake energetics in aging and Alzheimer's disease. The successful candidates will be working under the supervision of Dr. Jingyuan Chen, and in close collaborations with the PET-MR imaging groups at MGH. The candidates will be responsible for designing and conducting human imaging experiments, optimizing the multi-modal acquisition, and developing analysis strategies for the acquired data. Depending on the candidates' specific career and research goals, they will also have the opportunity of capitalizing on the state-of-the-art neuroimaging facilities at the Martinos Center (including the two 7 Tesla MR and two research dedicated PET-MRI scanners) to exploit other innovative means of imaging brain function and physiology in humans.

The successful candidate will be a highly motivated researcher with a desire to begin an independent career related to or involving advanced human neuroimaging. The ideal candidates will hold a Ph.D. degree in Neuroscience, Electrical/Biomedical Engineering, Medical Physics, Computer Science or a related field; however, strong candidates with other scientific backgrounds will also be considered. First-hand experience with conducting human (EEG-)fMRI, or PET experiments is desired, and skills in neuroimaging data analyses and knowledge of human neuroscience are also highly desired. Strong written and oral English communication skills are required.

APPLICATION

Interested applicants should send a cover letter describing research experience, interests, and future research and career goals, as well as an up-to-date curriculum vitae and contact information for three references, to Jingyuan Chen, Ph.D., by email: jechen@mgh.harvard.edu. Questions regarding these positions and informal inquiries should be directed to the same email address.

This position is full-time with benefits and is available immediately. Salary will commensurate with experience. The Massachusetts General Hospital and Harvard Medical School are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law. Women and underrepresented minorities are strongly encouraged to apply.