

# 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 jointly funded by an [NIH T32 postdoctoral training grant](#) and the [BrightFocus Foundation Alzheimer's research grant](#). The trainee will advance simultaneous EEG-PET-MR imaging to test a specific hypothesis about genetic risks for Alzheimer's disease. The successful candidate will be working under the supervision of Drs. Julie Price and Jingyuan Chen and in close collaboration with the PET-MR imaging groups at MGH. The candidate 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 candidate's specific career and research goals, he/she will also have the opportunity to capitalize 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. This position also provides opportunities for career/research training both locally at MGH and at international conferences.

**ELIGIBILITY** The successful candidate will be a highly motivated researcher with a desire to begin an independent career related to or involving either advanced human neuroimaging or Alzheimer's research. The ideal candidate 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.

This position is open to U.S. citizens or permanent residents.

**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 Drs. Julie Price, Ph.D. ([jcprice@mgh.harvard.edu](mailto:jcprice@mgh.harvard.edu)) and Jingyuan Chen, Ph.D. ([jechen@mgh.harvard.edu](mailto:jechen@mgh.harvard.edu)). Questions regarding this position and informal inquiries should be directed to the same email contacts. This position is full-time with benefits and is available immediately. Salary will commensurate with experience.

Price lab: <https://pricelab.martinos.org/t32-adrd/>

CANDY lab: <https://jechenlab.com/>

