



Athinoula A.
Martinos
Center
For Biomedical Imaging

Research Fellow in Simultaneous PET/MR Neuroimaging

**Athinoula A. Martinos Center for Biomedical Imaging
Massachusetts General Hospital
Harvard Medical School**

We are seeking two postdoctoral fellows to join our team to pursue research in simultaneous PET/MR imaging in neuroscience applications. Our research focuses on developing and applying novel PET/MRI methods to investigate the neurochemical underpinnings of psychiatric and neurological disorders. We have projects and training opportunities in the following area: (1) Quantify neuroreceptor dynamics and function with pharmacological challenges in animal models and human subjects, with applications in pain, addiction, and psychiatric disorders; and (2) Assess the impacts of neurovascular coupling on PET radiotracer kinetics, with applications in neurodegenerative disorders.

Our research programs are highly translational spanning from animal models, first-in-human studies, to clinical applications. The appointment as a Massachusetts General Hospital, Harvard Medical School research fellow will be for 1 year with possibility for extension based on performance and the availability of funding. The positions are available immediately.

The successful candidate will be a highly motivated researcher with a desire to begin an independent career related to or involving neuroimaging. The position requires a Ph.D. degree in Medical Physics, Biomedical Engineering, Computer Science, Neuroscience or a related field. However, we will consider candidates of any scientific background. This position requires experience in analysis of medical imaging data. Experience with MRI or PET is a plus. Extremely strong candidates with minimal imaging experience are still encouraged to apply. Strong written and oral English communication skills are required.

Additional Skills/Abilities/Competencies

The job requires a candidate who is mature, responsible and flexible with excellent organizational and people skills. S/He must be able to work with in a fast-paced environment and should be able to problem-solve/troubleshoot, juggle and prioritize multiple tasks and seek assistance when appropriate.

Application

Interested applicants should send a cover letter describing research interests and experience, an updated CV, and names and contact information of three references to: Hsiao-Ying (Monica) Wey, Ph.D. (E-mail: hsiaoying.vey@mgh.harvard.edu). Please contain "Research Fellow Application: Your Name" in the e-mail subject line.

The Massachusetts General Hospital and Harvard Medical School are equal opportunity and affirmative action employers.

