Research Fellow in Simultaneous PET/MR Neuroimaging

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

Position

We are seeking TWO postdoctoral fellows to join our team to pursue research in simultaneous PET/MR imaging in neuroscience applications. The area of research will be developing and applying novel PET/MRI methods to investigate (1) in vivo neuroreceptor dynamics and function and (2) the impacts of neurovascular function on PET radiotracer kinetics. Our research programs are highly translational spanning from animal models, first-in-human studies, to clinical applications (including neurodegenerative disorders, pain, and addiction). The appointment as a Massachusetts General Hospital / Harvard Medical School research fellow will be for 2 years 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 the acquisition and analysis of functional MRI and/or PET data. Experience with physiological MRI (such as perfusion MRI) or PET tracer kinetic modeling 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.wey@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.