T32 Research Fellow Position in Alzheimer's Disease Neuroimaging at the Martinos Center

The Cerebrovascular Aging and Spin Labeling (CASL) Laboratory at Massachusetts General Hospital seeks a T32-eligible postdoctoral fellow with a strong interest in the application of magnetic resonance imaging (MRI) approaches for investigating hemodynamic and metabolic function in aging and Alzheimer’s disease. The appointment would be as a Research Fellow in the Athinoula A. Martinos Center for Biomedical Imaging at Massachusetts General Hospital (MGH) and Harvard Medical School.

The main goal of this T32 program is to provide a postdoctoral training experience that focuses on key research areas in Alzheimer’s disease and AD-related dementias (AD/ADRD) and that is rich in multimodal neuroimaging. To this end, training opportunities are available in our lab in several areas ranging from clinical applications to technical development and include the following topics:

1. development of multi-modal imaging-based biomarkers for characterizing microvascular physiology underlying white matter lesions in individuals with elevated risk for AD.
2. application of noninvasive MRI approaches for investigating microvascular impairment in various clinical pathologies including AD.

The successful candidate will contribute to one or more of these projects but will also have the flexibility to identify and develop others based on interest. Additional information regarding the T32 program can be found here.

Qualifications
- Ph.D. (or equivalent) in engineering, physics, neuroscience, or related discipline
- Demonstrated interest in medical imaging research, particularly MRI
- Strong written and oral communication skills
- Experience with conducting human subject research preferred, but not required

Environment
The Athinoula A. Martinos Center for Biomedical Imaging is situated in the Department of Radiology at the Charlestown Navy Yard campus of MGH and houses a state-of-the-art imaging research facility with eight research-dedicated human MRI scanners, including four 3 Tesla, two 7 Tesla, and two hybrid PET/MRI scanners. In addition, the research infrastructure and career development resources available through both Massachusetts General Hospital and Harvard Medical School will be made available as necessary.

Application
Informal inquiries are welcome. Candidates interested in being formally considered for the position should email Meher Juttukonda, Ph.D. (mjuttukonda@mgh.harvard.edu) with the following materials:
- Curriculum vitae, including a complete list of publications
- Brief statement of prior research experience and current interests
- Names and contact information for three references

MGH is an equal opportunity employer, and all qualified applicants will receive consideration without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. Qualified women and minority candidates are encouraged to apply.