

Research Fellow position available in the Athinoula A. Martinos Center for Biomedical Imaging

The Cerebrovascular Imaging Group of the Brain Aging and Dementia laboratory at Massachusetts General Hospital seeks a motivated postdoctoral fellow with a strong interest in developing and applying MRI approaches for investigating hemodynamic and metabolic function in cerebrovascular diseases. The appointment would be as a Research Fellow in the Athinoula A. Martinos Center for Biomedical Imaging of Massachusetts General Hospital and Harvard Medical School.

The successful candidate will contribute to projects involving the development and implementation of MRI methods, including arterial spin labeling (ASL) and blood oxygenation level-dependent (BOLD) imaging, for studying cerebrovascular health and function in aging and age-related neurodegenerative diseases. Training opportunities are available in multiple areas including the adaptation of these techniques to study white matter physiology at high field (7 Tesla) and the application of these methods to investigate microvascular impairment in various pathologies, including Alzheimer's disease and COVID-19. The candidate will also have the opportunity to interact with and pursue projects of interest as part of a multidisciplinary team of clinicians and scientists, including MRI physicists, neuroscientists, neurologists, and radiologists.

Qualifications

- Ph.D. (or equivalent) in engineering, physics, neuroscience, computer science 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 Massachusetts General Hospital 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

Interested applicants should email Meher Juttukonda, Ph.D. (mjuttukonda@mgh.harvard.edu) with the following materials. Please include your name and the text "Research Fellow Application" in the subject line.

- Curriculum vitae, including a complete list of publications
- Statement of research experience, interests, and career goals
- 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.