

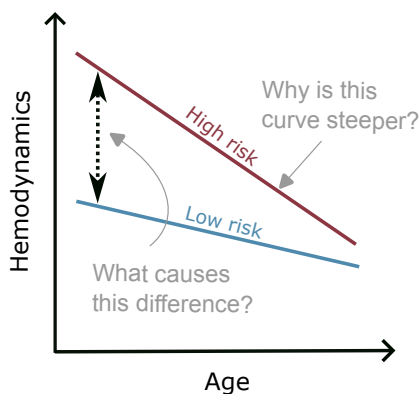


Postdoctoral Fellowship: Imaging Microvascular Physiology in Aging & Dementia

The Cerebrovascular Aging and Spin Labeling (CASL) Lab is soliciting applications for a postdoctoral fellow to join our research group in the Athinoula A. Martinos Center for Biomedical Imaging. The formal appointment would be as a Research Fellow in the Department of Radiology at Massachusetts General Hospital (MGH) and Harvard Medical School (HMS).

EXPECTATIONS:

The successful candidate will be expected to contribute to an NIH-funded study involving the use of arterial spin labeling (ASL) MRI-based methods to answer fundamental questions about how higher genetic risk for Alzheimer's disease influences microvascular function in the brain across the adult lifespan:



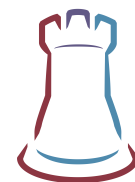
Additional training opportunities will be available broadly (1) in the development of MRI methods for imaging cerebral perfusion with high-field and high-performance MRI systems and (2) in the translation of hemodynamic imaging methods to clinical applications through close collaborations with physician-scientists at MGH.

QUALIFICATIONS:

- ☐ Ph.D. (or equiv.) in imaging science, neuroscience, engineering, or a related discipline
- ☐ Exceptional written and oral communication skills in English
- ☐ Prior experience with perfusion MRI and/or other functional MRI techniques - *preferred*
- ☐ Prior experience with conducting human subject research - *preferred*

ENVIRONMENT:

The Martinos Center houses a state-of-the-art imaging facility with eight research-dedicated human MRI systems. A wide range of research and training resources through MGH and HMS are also available alongside a rich selection of seminar series and grassroots initiatives on topics such as research productivity.



CASL
Cerebrovascular Aging
& Spin Labeling Laboratory

APPLICATION:

Informal inquiries are welcome. Candidates interested in formally applying should send the following materials via e-mail to Meher R. Juttukonda, Ph.D. (mjuttukonda@mgh.harvard.edu):

- ☐ Curriculum vitae (with names and contact information for three references)
- ☐ Brief statement of prior research experience and current interests