Postdoctoral Opportunity at Massachusetts General Hospital

DESCRIPTION:
We’re hiring for a full time Post-Doctoral Research Fellow for neuroimaging research at the Athinoula A. Martinos Center for Biomedical Imaging, Department of Radiology at Massachusetts General Hospital, for an NIH-funded project studying imaging markers in preclinical Alzheimer’s disease. This project employs high resolution ex vivo MRI with histology datasets to study structural morphology and neuropathology in older adults and Alzheimer’s disease brains.

DUTIES AND RESPONSIBILITIES:
The Post-Doctoral Fellow’s responsibilities will include, but are not limited to:
* Analyze high resolution 7T MRI data and preclinical data
* Validate and analyze high resolution imaging with histology and histochemistry
* Apply imaging model to (3T MRI) clinical data.
* Coordinate data acquisition with others in our team.

QUALIFICATIONS:
* Ph.D. in Neuroscience, Psychology, Engineering, or Computer Science, or a related field.
* Prior experience in brain imaging.
* Strong proficiency in various neuroimaging analysis platforms, FreeSurfer, FSL.
* Strong proficiency in computer skills, UNIX, MATLAB, Fiji, python.
* Established quantitative and statistical skills such as R or STATA, etc.
* Passion for research and willingness to work in cutting edge scientific environment.
* Excellent writing skills and strong capacity to drive first author publications.

CONTACT INFORMATION:
Dr. Augustinack directs the Histology Lab at the A. A. Martinos Center for Biomedical Imaging and the candidate will work directly with her and her collaborators. Numerous opportunities to lead high impact publications, working with highly unique datasets (histology and MRI). This is a great opportunity for training in neuroscience, histology, high-resolution neuroimaging, brain mapping, and clinical applications. Send applications by email to Dr. Jean Augustinack (jean@nmr.mgh.harvard.edu) and include a CV, cover letter and names of three references.