



Athinoula A.

**Martinos
Center**

For Biomedical Imaging



Postdoctoral Research Fellow Position in Infant and Child Brain MRI analysis at the A.A. Martinos Center, MGH and Harvard Medical School, and Harvard University under Dr. Lilla Zöllei (MGH) and Leah Somerville (Harvard)

A postdoctoral fellow is recruited for two NIH funded projects focusing on developing Freesurfer-compatible brain image analysis tools for children. One project aims to extend the tools for brain imaging data for children between 2-6 years of age. The second project aims to extend the tools for longitudinal analysis of developmental data from older children and adolescents as part of the Human Connectome Project in Development. Code development will focus on pair- and group-wise registration tools, segmentation methods and surface-based image analysis algorithms.

The successful applicant should have a doctoral degree in a field related to medical imaging (e.g., computer science, electrical engineering, biomedical engineering, applied mathematics, computational neuroscience). She/he is expected to have a strong research background in method development and brain image analysis and should be able to work independently. Strong programming skills (for example, C/C++, MATLAB, and/or Python) are a must and prior experience with brain image-analysis packages (such as SPM, FSL, FreeSurfer, AFNI) is desirable. In addition, the candidate must also possess excellent English verbal and written communication skills.

This position will be hosted by the Laboratory of Computational Neuroimaging, MGH and it will offer great opportunities to collaborate with a large group of scientists from diverse research disciplines.

Approximate start date is fall 2017. Successful applicants will be appointed 50% effort at Massachusetts General Hospital, Boston and Harvard Medical School and 50% at Harvard University. For consideration please send a statement of interest, a CV and a list of three potential references via email to Lilla Zöllei, PhD (lzollei@nmr.mgh.harvard.edu) and Leah Somerville (somerville@fas.harvard.edu). The search will continue until the position is filled.