



## Postdoctoral position in machine learning for medical image analysis

Athinoula A. Martinos Center for Biomedical Imaging  
Massachusetts General Hospital  
Harvard Medical School

The [Laboratory for Computational Neuroimaging](#) at the [Athinoula A. Martinos Center for Biomedical Imaging](#) invites applications for a postdoctoral position at the Massachusetts General Hospital and Harvard Medical School. This position is part of a multi-year NIH-funded project pursuing advances in medical image processing and acquisition through the development of novel machine-learning technology. Its focus is on segmentation and registration techniques with applications to fetal-brain magnetic resonance imaging (MRI).

The research fellow will work with Dr. Malte Hoffmann and have the opportunity to lead high-impact publications, with scope for self-directed research. The position is initially for 2 years, with the possibility of extension. Candidates with publications in top conferences like CVPR, MICCAI, and NeurIPS or journals like IEEE TMI, MELBA, or MedIA will be preferred.

### Responsibilities

- Develop machine-learning algorithms for image analysis
- Prepare paper submissions to scientific conferences and journals
- Present results in meetings and conferences
- Assist with the preparation of grant applications

### Required qualifications

- PhD in computer science, engineering, or a similar field
- Expertise in machine learning and 3D medical image processing
- Experience with Python and deep-learning packages like PyTorch or TensorFlow
- Excellent writing skills and ability to drive first-author publications

### Benefits

- Vibrant research environment with opportunities for training and collaboration
- Full-time position with flexible work schedule available immediately in Boston, MA, USA
- Potential for promotion to faculty track at Harvard Medical School
- Competitive compensation and benefits commensurate with experience
- Discounted public transport ticket for the Greater Boston area

### Application

Please send your CV and contact information for three references to: [mhoffmann@mgh.harvard.edu](mailto:mhoffmann@mgh.harvard.edu).