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.