Postdoctoral Fellow Position in MR Neuroimaging

Description: Postdoctoral position is available at the Laboratory for Neural MRI and Brain Connectivity (www.med.upenn.edu/huanglab/) at Department of Radiology in the Children's Hospital of Philadelphia (CHOP) and University of Pennsylvania (UPenn) for conducting research focused on multimodal MR neuroimaging. The research involves the development of novel imaging and analytic techniques in MRI (including specifically diffusion and perfusion MRI) to measure microstructural, functional and physiological properties of human and animal brains. Applicants will be involved in both independent and collaborative projects. The position is full-time with benefits and available immediately. A two-year time commitment is required with possible extension. Salary is commensurate with experiences.

CHOP is ranked #1 in many disciplines in US News ranking of pediatric hospital. The candidate will have access to the state-of-the-art clinical and preclinical research facilities including two 3T Siemens Prisma Scanners exclusively for research, two MEG scanners, two high-field Bruker MRI scanners (7T and 9.4T), a Siemens Inveon PET/CT unit as well as tens of clinical MR scanners. Opportunities exist for the candidate to pursue his/her own research utilizing these imaging facilities. CHOP and UPenn provide rich opportunities to collaborate with clinicians and cross-disciplinary researchers with diverse backgrounds.

Requirements:
- PhD degree trained in biomedical, electrical engineering, medical physics or a related filed with strong background in MR physics.
- Experience in pulse sequence programming is a plus.
- Extensive experience in computer programming with Python, Matlab or similar scientific computing environment
- Demonstrated record of scientific publications in MRI field or image processing
- Excellent written and oral communication skills

To Apply: Interested candidates should send a brief statement of interests, curriculum vitae, and contact information of three references. Applications will be kept confidential and references will not be contacted without the permission of the applicant. For any information, applicants should contact Dr Hao Huang, hao.huang@pennmedicine.upenn.edu.