Postdoctoral Fellow in MRI Physics and Preclinical Neuroimaging

The Center for Neuroimaging at the Department of Radiology and Imaging Sciences, Indiana University School of Medicine, seeks candidates for a Postdoctoral Fellow in preclinical MRI.

Qualification:
We are looking for applicants who are interested in pulse sequence development, image reconstruction, and imaging data analysis. Programming skills in Matlab, Python, C/C++, or parallelization are desirable. Publication record and skills in imaging data processing with software tools (e.g. FSL, ANTs) may play a significant role in selecting. The candidates should have a PhD or MD in Medical Physics, Bioengineering, Biomedical Engineering, Computer Science, or related disciplines.

About us:
The Indiana Institute for Biomedical Imaging Sciences houses a Brucker 9.4T high-field PET-MRI preclinical scanner, two high-end research-dedicated 3T Siemens Prisma scanners with 32CH and 64CH receiver head coil, and a 3T PET-MRI system. Our research group focuses on developing novel imaging and analytical techniques in advanced diffusion-weighted imaging and quantitative susceptibility mapping (QSM). Our preclinical focuses are Multiple Sclerosis, Alzheimer’s disease, Autism Spectrum Disorder, and other neurodegenerative diseases. Candidates also have opportunities to be exposed to pulse sequence programming, fMRI studies, neurophysiological and psychophysical recording facilities, and clinical collaborations with Psychiatrists, Neuroradiologists, Neurologists, Computer Scientists, and Cognitive Neuroscientists.

Appointment and Salary:
The initial appointment will be for two years with opportunities for extension. Salary will follow NIH guidelines and will be commensurate with experience.

How to apply:
We are looking for candidates who are self-motivated and collaborative. If interested, please send a cover letter, CV, and contact information for three references to Dr. Nian Wang (nianwang@iu.edu; nian.wang@duke.edu), Assistant Professor of Radiology and Imaging Sciences at Indiana University School of Medicine. The position and review process will be open until filled.

Indiana University is an Affirmative Action and Equal Employment Opportunity (AA/EEO) employer, M/F/D.