Postdoctoral Fellow
in MRI Physics and Diffusion 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 MRI physics and diffusion neuroimaging.

Qualification:
We are looking for applicants who are interested in magnetic resonance brain imaging (MRI), diffusion tensor imaging (DTI), advanced diffusion-weighted imaging, diffusion imaging data processing, and pulse sequence programming. Programming skills in Matlab, Python, or C/C++ are required. A background in MR Physics with experience in MRI pulse sequence programming and optimization is desired. Publication record and skills in imaging data processing with software tools including FSL, Camino, or ITK, may play a significant role in selecting. The successful candidate will have a PhD in Medical Physics, Bioengineering, Biomedical Engineering, Computer Science, or related disciplines.

About us:
The Indiana Institute for Biomedical Imaging Sciences houses two high-end research-dedicated 3T Siemens Prisma scanners with a 32CH and 64CH receiver head coil. A 3T MRI-PET system and a Brucker 9.4T animal scanner will be installed later this year. Our research group focuses on projects using advanced diffusion-weighted imaging techniques including: HYDI, QSI, QBI, HARDI, NODDI, ActiveAx, and other quantitative white-matter imaging techniques. Our clinical focuses are Alzheimer’s disease, mild traumatic brain injury, and other neurodegenerative diseases. Candidates also have opportunities to be exposed to fMRI studies, neurophysiological and psychophysical recording facilities, and clinical collaborations with Psychiatrists, Neuroradiologists, Neurologists, Neurosurgeons, Computer Scientists, and Cognitive Neuroscientists.

How to apply:
We are looking for candidates who are self-motivated and collaborative. The immediate position is a two-year term with a possible extension to a third year upon satisfaction. Salary will follow NIH guidelines and will be commensurate with experience. If interested, please send a cover letter, CV, and three recommendation letters to Yu-Chien Wu (yucwu@iupui.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.