Postdoctoral fellow position in diffusion MRI and neuroimaging

A postdoctoral position is available in the Department of Radiology at Johns Hopkins University School of Medicine, conducting research on diffusion MRI and brain microstructural imaging in the laboratory of Dr. Manisha Aggarwal. The research focuses on development of novel MRI acquisition and analysis techniques (including diffusion, susceptibility) for microstructural brain imaging with both preclinical and clinical applications. This is an exciting research opportunity with scope for both independent and collaborative projects. The position is NIH-funded and is available starting immediately. Applications will be considered till the position is filled, so interested candidates should apply early.

Requirements:

- A Ph.D. degree in electrical engineering, medical physics, biomedical engineering or related field is required.
- The successful candidate will be a driven and motivated researcher with strong background in MR physics, diffusion MRI, and/or preclinical imaging experience. Experience with either pulse sequence programming or computational image analysis is preferred.
- Strong expertise in C/C++ and/or Matlab or similar computing environment is necessary
- Demonstrated track record of scientific publications in the field of MRI
- Excellent written and oral communication skills

Benefits: The position is intended as a full-time appointment in the Radiology Department of the Johns Hopkins University (JHU) School of Medicine (SOM). Salary will be commensurate with experience and full postdoctoral benefits at JHU will be provided. JHU also assists foreign employees with visa applications. A 2-year minimum commitment is required with possibility of extension based on progress. The position is NIH-funded and is available starting immediately.

About us: JHU has a world-renowned Radiology program and is ranked #1 in the 2020 US News rankings. High-field preclinical imaging facilities at JHU SOM and Kennedy Krieger Institute include 4.7T, 9.4T, two 11.7T, and 17.6T Bruker MRI scanners. The MR division is also equipped with 1.5T, 3T and 7T Philips and Siemens human research scanners. The Radiology faculty include a number of ISMRM fellows and gold medalists. We work in close collaboration with neuroscientists, pathologists, and computer scientists across the world. There are ample collaborative opportunities for the candidate in this excellent and multidisciplinary environment.

To Apply: Interested candidates should send their CV, a brief statement of research interests, and contact information of two references. References will not be contacted without permission of the candidate. Applications and any further questions about the position should be directed to Dr. Manisha Aggarwal at manisha.aggarwal@jhu.edu.