POSTDOCTORAL RESEARCH FELLOW — Novel acquisition and reconstruction for quantitative MRI

A postdoctoral position is available at the Department of Radiology at Johns Hopkins University School of Medicine and the F.M. Kirby Research Center for Functional Brain Imaging at Kennedy Krieger Institute, Baltimore, MD, USA. The research focuses on development of novel MRI acquisition and reconstruction techniques for fast, quantitative multi-parameter mapping including chemical exchange saturation transfer (CEST), diffusion tensor imaging (DTI), and image synthesis.

Requirements and preferred experience: A PhD in biomedical, electrical engineering, computer science, physics, or a related field is required. The candidate has a strong background in at least one of the following areas: MR physics, diffusion, CEST, image acquisition and/or reconstruction. Prior experience with Siemens IDEA or Philips PPE programming environment are desirable, but not required.

Benefits: The position is NIH-funded, full-time with benefits, and is available immediately. Salary will be commensurate with experience. The position will be for two years, renewable for up to four years.

Environment: The position will be at the Radiology Department of the Johns Hopkins University (JHU) School of Medicine. We have 1.5T, 3T and 7T Philips and Siemens human scanners dedicated for research only. Preclinical imaging facilities at JHU and the Kennedy Krieger Institute include Bruker 4.7T, 9.4T, 11.7T, 17.6T MRI, 7T PET-MRI scanners. The Division of MR Research has more than 100 MR physicists, collaborating closely with neuroscientists, pathologists, and clinicians at Hopkins and around the world. There are ample opportunities for collaboration with world leaders in many fields.

To Apply: Interested individuals should send a brief statement of research interests and CV to Hye-Young Heo (hheo1@jhmi.edu) and/or Peter van Zijl (pvanzijl@jhu.edu). The positions are available to start as soon as possible.