Postdoctoral Research Associate

The Department of Radiology, University of Illinois at Chicago (UIC) College of Medicine is seeking a highly motivated individual as a full-time Postdoctoral Research Associate in the areas of MR research. Our research will be focused on the development and the preclinical and clinical applications of metabolic MRI methods, such as Chemical Exchange Saturation Transfer (CEST) MRI. A few other MRI techniques including ASL, MRS, MT, Diffusion, DEC-MRI, T1rho and fMRI may also be utilized for particular applications.

Candidate Requirement

The requirements for this position include a PhD in physics, biomedical engineering, medical physics, biophysics, electrical engineering, biological sciences, or a related field within the last five years, a good understanding of MRI physics and pulse sequences, skills in image processing using MATLAB and skills in animal imaging. Prior experience in pulse sequence programming will be appreciated while not required.

Research Environment

The selected candidate has access to a state-of-the-art GE 3T research scanner, a 9.4T horizontal Varian animal MRI, a 9.4 T 80cm whole-body MRI, and a Bruker vertical 11.7 T microMRI. He or she will be trained in various aspects of MR physics, MRI applications in various pathologies and independent career development. Productivity in publication is also expected.

The University of Illinois at Chicago has a strong emphasis on MRI research with over 15 faculty members working on a broad range of projects spanning from new technologies to clinical applications. We have a diverse research portfolio with particular strength in CEST, diffusion and multi-nuclear MRI.

The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

Contact

For fullest consideration, please send your cover letter, CV and list of referees to Dr. Kejia Cai, assistant professor of Radiology at UIC, by email: kcai@uic.edu at your earliest convenience.