

A PhD student and a Post-doc Research Associate at Chicago

The Department of Radiology, University of Illinois at Chicago (UIC) College of Medicine is seeking highly motivated individuals to fill two academic positions: a PhD student as pre-doc research assistant and a Postdoctoral Research Associate in the areas of metabolic and molecular MRI research. Our research focuses on the development and the preclinical and clinical translations of novel metabolic and molecular MRI methods, including 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. Our recent publications in the following link are for your reference.

<https://pubmed.ncbi.nlm.nih.gov/?term=cai%2C+kejia>

Candidate Requirement

PhD student research assistant: Highly motivated and dedicated for scientific research, multi-disciplinary interest, with good computing and English-writing skills, intention for a PhD in bioengineering at UIC.

Post-doc research associate: The requirements for this position include a PhD degree 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, skills in computer programming, and experience in MRI acquisition and image processing.

Research Environment

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.

The selected candidate has access to a 9.4T horizontal Varian animal MRI and 3T human MRI scanners. Students 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 is an Affirmative Action/Equal Opportunity Employer.

Contact

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