

## A Post-doc Research Associate

The Department of Radiology, University of Illinois at Chicago (UIC) College of Medicine is seeking a highly motivated individual to fill the position of a Postdoctoral Research Associate in the areas of endogenous metabolic and molecular MRI research.

Our research focuses on the development and the preclinical and clinical translations of novel metabolic and molecular MRI methods, particularly

the endogenous molecular 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 applications. The principal investigator Dr. Kejia Cai received his PhD from Washington University at St Louis and the post-doc training from University of Pennsylvania before he joined UIC as a faculty since 2013. His research has been highlighted with a few papers published in top journals, including JACC and Nature Medicine.



## Candidate Requirement

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. In addition, we expect the candidate has a good understanding of MRI physics, experience in MRI acquisition and image processing, and good English-writing skills.

## Research Environment

The UIC 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, image processing, MRI applications in various pathologies, and further academic career development.

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

## Contact

For consideration, please send your cover letter, CV, and two contacts of referee to Dr. Cai, Associate professor of Radiology at UIC, through email [kcai@uic.edu](mailto:kcai@uic.edu) at your earliest convenience.