



Center for MR Research  
MRI Center, MC-707  
1801 West Taylor Street  
Chicago, Illinois 60612

## Postdoctoral Fellow Positions

The Center for Magnetic Resonance Research (CMRR), University of Illinois College of Medicine at Chicago is seeking two enthusiastic individuals as Postdoctoral Fellows. The first position will focus on developing novel pulse sequences and advanced image reconstruction algorithms for imaging cancer or neurological disorders. The second position will focus on breast cancer imaging using advanced diffusion MR techniques and exploring their applications in characterizing breast tissue properties. Both positions will be funded by the NIH and other sources. The initial appointment will be for two years with possible renewal upon mutual agreement. The candidates for both positions are expected to have an earned PhD in physics, medical physics, biophysics, electrical engineering, biomedical engineering, or a related field within the last three years. Additional qualifications include a solid understanding of MRI physics, experience with pulse sequence development on human MRI scanners, and computer programming skills. Preference will be given to candidates with experience in diffusion imaging, fast imaging, or cancer imaging.

The Center for MR Research is equipped with a research-dedicated GE MR 750 3T scanner and another MR 750 3T scanner shared between clinical service and research. Both scanners are equipped with advanced features, including fMRI, diffusion, MRS, heteronuclear imaging, MRE, and a full collection of RF coils and other accessories. Additional resources on campus include three 3T scanners (GE Architect, Siemens Vida, and Philips Achieva), two 1.5T scanners (GE Explore XP and Siemens Aera), a 9.4T Varian animal MRI (30cm bore size), and a Bruker 11.7 T micro-MRI. The University of Illinois at Chicago has a strong emphasis on MRI research with 25 faculty members working on a broad range of projects spanning from new technologies to clinical applications. The CMRR has a diverse research program with particular strengths in diffusion imaging, cancer imaging, neuro-imaging, metabolic imaging, and pulse sequence development. Prospective candidates are encouraged to contact Dr. X. Joe Zhou ([xjzhou@uic.edu](mailto:xjzhou@uic.edu)) or Dr. Muge Karaman ([mkaraman@uic.edu](mailto:mkaraman@uic.edu)) with a cover letter and a current CV.

The University of Illinois at Chicago offers competitive compensation with excellent benefits. As an equal opportunity employer including Disability/Vets, we celebrate diversity and are committed to creating an inclusive environment for all employees.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit <https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899>.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.