The Center for MR Research (CMRR), College of Medicine at the University of Illinois at Chicago is seeking a highly motivated individual for the position of Research Scientist in magnetic resonance research. The research scientist will conduct research, develop experimental protocols and devise methods to apply scientific principles and theories to ongoing and future research projects.

The primary focus for this position will be on developing advanced MRI pulse sequences and image analysis methods and applying these techniques to cancer and/or neurological disorders. The successful individual is expected to conduct MRI experiments on human subjects and fixed biological tissue samples using advanced diffusion MRI techniques, engage in image analysis, co-mentor doctoral and medical students, collaborate with faculty members in a team environment, publish papers in peer-reviewed journals, and present research findings at scientific meetings. Obtaining independent extramural funding is encouraged, but not required. The qualifications for this position include a PhD in physics, medical physics, biophysics, electrical engineering, biomedical engineering, physical chemistry, or a related field with a minimum of three years’ related research experience, a solid understanding of MRI physics, experience with pulse sequence development, and proficiency in C/C++, Matlab and/or other programming languages. Preference will be given to candidates who have experience with General Electric pulse sequence programming environment (EPIC). In addition to technical development, the successful candidate will also have opportunities to participate in several collaborative research projects funded by the NIH, industry, or the State of Illinois. This is a non-tenure track position with possibility for annual renewal upon mutual agreement.

The Center for MR Research is equipped with a state-of-the-art GE MR 750 3T scanner fully dedicated to research and another MR 750 3T scanner shared between clinical service and research. Additional resources on campus include a 9.4 T 80cm whole-body MRI, a Philips Achieva X-series 3T MRI, two 1.5 T GE Signa HDxt scanners, a Siemens 1.5T Aera scanner, a Siemens 3T Vida scanner, and 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 approximately 25 faculty members working on a broad range of projects spanning from new technologies to clinical applications. The Center for MR Research has a diverse research projects with particular strengths in cancer imaging, neuro-imaging, metabolic imaging, diffusion imaging, and pulse sequence development.

For fullest consideration, interested candidates should apply by December 17, 2021, on the UIC Job Board: https://jobs.uic.edu/job-board/job-details?jobID=142992&job=research-scientist.

The University of Illinois at Chicago is 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.