Research Scientist

The Center for MR Research (CMRR) 3T Program, University of Illinois College of Medicine at Chicago is seeking a highly motivated individual for the position of Research Scientist in the area of magnetic resonance technical development.

The primary focus for this position will be on developing advanced MRI pulse sequences and image reconstruction/analysis methods and applying these techniques to cancer imaging and/or neurological disorders. The successful individual is expected to conduct MR experiments on human subjects and fixed biological tissue samples using advanced MRI techniques, engage in image reconstruction and analysis, co-mentor 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, 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 a number of collaborative research projects funded by the NIH or industry. This is a non-tenure track position with possibility for annual renewal upon mutual agreement. Applications can be submitted on https://jobs.uic.edu/job-board/job-details?jobID=110787&job=research-scientist-college-of-medicine-center-for-mr-research-3t, (Job ID #110787, under Academic Professionals). For additional information, please contact Dr. Muge Karaman at mkaraman@uic.edu.

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 the UIC campus include a 9.4 T 80cm whole-body MRI, a Philips Achieva X-series 3T MRI, two 1.5 T GE Signa scanners, a Siemens 1.5T Aera scanner, 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 23 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, neuroimaging, metabolic imaging, diffusion imaging, and pulse sequence development.

The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois at Chicago 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.