Research Scientist  
Beckman Institute for Advanced Science and Technology  
University of Illinois at Urbana-Champaign

The Biomedical Imaging Center (BIC) at the Beckman Institute for Advanced Science and Technology at the University of Illinois Urbana-Champaign seeks applicants to fill the position of Research Scientist in Magnetic Resonance Imaging. The purpose of this position is to perform support and development functions for the human cognitive neuroscience, animal imaging, and other experiments on the two Siemens 3 T Prisma systems at BIC. Applicants must be able to contribute, implement, and maintain driving MR technology for cognitive neuroscience applications, including pulse sequence programming, protocol development, and processing pipelines. Specific duties and responsibilities include:

- Provide training and technical support to investigators and technologists, including setting up and troubleshooting imaging protocols to help them acquire world-class data
- Develop pulse sequences and/or imaging methods that target specific applications in collaboration with faculty at Beckman Institute and University of Illinois
- Meet with potential users from a variety of disciplines to assess feasibility of planned experiments
- Develop and maintain quality control routines for BIC MRI systems
- Perform routine maintenance routines to ensure maximum availability of scanners and peripheral equipment (stimulus presentation and response systems along with other associated devices)
- Maintain integrity of protocols through development of procedures to encourage robust and reliable execution of the protocols by the research staff
- Develop and conduct educational presentations and perform outreach related to MRI
- Act as a liaison with Siemens and prepare research agreement compliance materials
- Act as a liaison with MR-related equipment manufacturers

Minimum Qualifications:
- PhD degree in MR engineering related field such as Biomedical Engineering or Electrical Engineering or other related technical field
- At least 2 years experience in an MRI lab running human volunteer studies

Preferred Qualifications:
- At least 2 years experience as a Biomedical Engineer or related field which includes at least some experience related to: MRI physics, MRI research on a 3 Tesla MRI, pulse sequence development in Siemens IDEA environment, stimulus presentation and response systems for functional MRI, experience with functional MRI, Diffusion MRI, Tractography and MR Spectroscopy, and data analysis package like FSL, SPM, or AFNI.

The Research Scientist in Magnetic Resonance Imaging is a full-time, benefits-eligible Academic Professional position. Salary is commensurate with qualifications and experience. In order to ensure full consideration, application must be received by September 30, 2019. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. The expected start is as soon as possible after the closing date. To apply, please create your candidate profile at [http://jobs.illinois.edu](http://jobs.illinois.edu) and upload your cover letter, resume, and names/contact information for three professional references as a single PDF by September 30, 2019. All requested information must be entered for your application to be considered. For further information, please contact Beckman Institute Human Resources at hr@beckman.illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

*Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. ([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)).*