Job Title: Associate Research Scientist

The Department of Radiology at Columbia University Medical Center (CUMC) is seeking a highly motivated individual as a full-time Associate Research Scientist in the areas of Magnetic Resonance (MR) research. The initial appointment is for a period of one year. Our primary research objective would be to advance the state-of-the-art for MR imaging in a highly inhomogeneous magnetic field. Simultaneous Transmit and Receive (STAR) and image contrast recovery from these approaches would also be explored.

Position Overview:

The selected candidate will report directly to the Director of MR Research in the Department of Radiology. The candidate will have access to ten GE scanners managed by the Department of Radiology, which include two state of art 3T and one 1.5T scanner. Two state of the art 3T Siemens MR Research scanners at Zuckerman Institute will also be available for research and development. In addition, the position would require close collaborations with the clinical medical physics group in the Department of Radiology to develop accelerated MR acquisitions techniques for specific applications. The candidate is also expected to aid in rapid clinical translation of such methods. Tangible deliverables expected would be contribution to manuscript submissions and grant applications to disseminate and advance these topics. This position may involve some teaching.

Required knowledge/skills/education and experience:

- Ph.D. in Biomedical Engineering, Imaging Physics or equivalent plus a minimum of 5 years of related experience
- Strong collaboration skills
- Strong MR physics background
- Prior experience with MRI pulse sequence design and reconstruction
- Experience using Matlab/Python for signal and image processing
- Outstanding writing, presentation, and communication skills
- Ability to work independently and prioritize work
- Ability to multi-task and follow through
- Detail-oriented and organized

Please visit our online application site at: [https://academicjobs.columbia.edu/applicants/Central?quickFind=65143](https://academicjobs.columbia.edu/applicants/Central?quickFind=65143) for further information about this position and to submit your application. Columbia University is an Equal Opportunity and Affirmative Action Employer. The University and the Department of Radiology are committed to the diversity of its faculty and staff. Outstanding female and underrepresented minority scholars are strongly encouraged to apply.