Postdoctoral Scholar Position in Ultra-High Field Perfusion Imaging

The Center for Magnetic Resonance Research (CMRR) at the University of Minnesota is seeking a talented scientist/engineer to join our research group to develop advanced techniques for ultra-high field (UHF) perfusion imaging. The successful candidate will have an opportunity to work with a highly experienced and multi-disciplinary research team, consisting of researchers in coil development, electromagnetic simulation, parallel transmit RF pulse design, pulse sequence development, advanced MR image processing, analysis and reconstruction (e.g., denoising and deep learning) and arterial spin labeling (ASL) imaging, as well as bio-statistician and clinical researchers, with an ultimate goal to overcome the existing technical challenges to realize the benefits of UHF on ASL imaging for clinical research or application studies. In addition to working on ongoing projects (e.g., UHF high-resolution brain, knee and renal ASL imaging), the candidate will be also encouraged to explore other research opportunities or collaborations within our group.

Required Qualifications:
- a Ph.D. in Electrical Engineering, Bioengineering, MRI Physics, or related fields.
- More than 2 years of MRI research or technical development (e.g., coil evaluation/validation, RF pulse design, pulse sequence development)
- Experienced in data analysis using MRI software with deep learning experience preferred.
- Adept in programming with MATLAB, C++ and Python.
- Skillful in oral and written communication as demonstrated by publications.

This position is immediately available and offered for two years and can be extended up to four years based satisfactory performance. The University of Minnesota is an Equal/Opportunity Affirmative Action Employer. The salary will be following NIH guidelines and university policies with considerations of the candidate’s training and working experience. In addition, the University of Minnesota offers a comprehensive benefits package for employees. For more information regarding benefits, please refer to https://humanresources.umn.edu/new-employees/benefits-summaries.

Interested applicants should send a cover letter, CV, and names & contact information for three references to Dr. Xiufeng Li (lixx1607@umn.edu) for consideration.