Postdoctoral Research Fellow

Novel acquisition and reconstruction for multi-contrast neurovascular MRI

The Utah Center for Advanced Imaging Research (UCAIR) in Department of Radiology and Imaging Sciences at University of Utah is seeking a motivated postdoctoral researcher with a strong interest in novel acquisition and reconstruction methods for multi-contrast MRI. The research will focus on developing fast high-resolution multi-contrast MRI techniques for improved visualization of neurovascular diseases, including non-contrast MRA, vessel wall, perfusion, and diffusion MRI. Topics of interest may include but not limited to: fast multi-contrast pulse sequence, CS/AI-based image reconstruction, image post-processing, ultra-high field MRI (7T), etc.

Qualifications

• Ph.D. (or equivalent) in biomedical engineering, computer science, physics, or related discipline
• Demonstrated interest in medical imaging research, particularly MRI
• Experience with Siemens IDEA programming environment is desirable, but not required.
• Strong written and oral communication skills

Environment

The Utah Center for Advanced Imaging Research (UCAIR) offers international expertise in MRI research as well as radiobiology research, and houses a state-of-the-art MRI facility with 3T Trio, Prisma, and Vida. A 7T whole body system has been scheduled to be installed in late 2023, and will be accessible to the UCAIR researchers. Interdisciplinary collaborations are ongoing with the College of Engineering, the Department of Biomedical Informatics, Psychology, and other basic and clinical sciences departments in the University of Utah and neighboring institutions. A leader in quality care, the University of Utah Hospital and Clinics were ranked #1 in Quality, Safety, and Accountability among all academic medical centers in 2016 and consistently ranked in the top 10 over the past seven years in a row.

How to apply?

To apply, please send a recent CV and the names of two references to Dr. Chun Yuan (chun.yuan@hsc.utah.edu). For more information on Radiology and Imaging Sciences research at the University of Utah, please visit: https://medicine.utah.edu/radiology/radiology-research/research-labs/.