Post-Doctoral Position in Cardiac MRI

We are seeking a talented and motivated post-doctoral researcher to join our team at the forefront of cardiac MRI research in myocardial perfusion imaging and parametric mapping. This exciting opportunity offers a chance to contribute to cutting-edge image acquisition, reconstruction, and post-processing methods that will shape the future of myocardial perfusion imaging and parametric mapping.

The Utah Center for Advanced Imaging Research (UCAIR) has a 3T Prisma and a 3T Vida scanner dedicated to research. We have several high-end computational systems including the state-of-the-art 4x NVIDIA A100 80GB GPU server. The cardiac MRI group is dedicated to pushing the boundaries of cardiac MRI and improving patient outcomes. As a member of our team, you will collaborate with world-class researchers and clinicians including Drs. Adluru, DiBella and Arai to drive advancements in cardiac imaging technology and its application in clinical settings.

Responsibilities:

- Conduct cutting-edge research in MRI, with a focus on novel data acquisition, image reconstruction and quantification techniques for myocardial perfusion imaging, and tissue characterization with parametric mapping.
- Design and implement experiments, analyze data, and contribute to the development of novel imaging techniques.
- Collaborate with interdisciplinary teams to carefully evaluate the imaging results and translate into broader clinical research projects.
- Publish research findings in high-impact journals and present them at national and international conferences.

Qualifications:

- Ph.D. in Electrical Engineering, Biomedical Engineering, Medical Physics, or related field.
- Strong background in cardiac MRI, including data acquisition, image reconstruction and analysis.
- Proficiency in MATLAB and Python.
- Track record of scientific publications and presentations.
- Excellent communication and collaboration skills.

What We Offer:

- Competitive salary and benefits package.
- State-of-the-art research facilities and resources.
- Co-mentorship from leading experts in the field including Drs. Adluru, DiBella and Arai.
- Opportunities for career development and advancement.
- A vibrant and collaborative research environment.

How to Apply: Interested candidates should submit a cover letter, curriculum vitae, and contact information for three references to ganesh.adluru@utah.edu

University of Utah is an equal opportunity employer. We encourage applications from candidates of all backgrounds and experiences.