Post-doc Position in Translational MRI  
The University of Texas at Austin

We are seeking a highly motivated postdoctoral fellow with interests spanning engineering, pathophysiology, and medicine. The goal of this position is to develop pulse sequence and reconstruction algorithms for translational MRI. Advanced imaging strategies will be developed, validated and deployed for applications in multi-dimensional, cardiovascular body imaging. Approaches may include non-Cartesian imaging, signal processing, optimization, deep learning, quantitative MRI, non-contrast hemodynamic imaging, and more.

Qualifications

1. Recent PhD in electrical/biomedical engineering or related fields.
2. Experience in MRI physics, pulse sequence programming, image reconstruction.
3. Strong communication skills in written and oral English.
4. Interest in pathophysiology, imaging in clinical medicine.

Preferred

1. Siemens’s IDEA pulse sequence experience.

Expectations

The candidate will be expected to:

1. Integrate well into a multidisciplinary laboratory environment.
2. Independently design, perform, analyze, and publish quality translational imaging experiments.
3. Ideate, write, and submit early career level funding proposals.
4. Mentor junior graduate students and/or undergraduate researchers.

The Translational Computational Imaging Laboratory @ UT Austin

The TCI Laboratory is a newly founded, interdisciplinary group of research scientists, engineers, and clinicians, spanning the Cockrell School of Engineering, Dell Medical School, and Dell Children’s Hospital. Positioned at the nexus of radiology, hematology/oncology, cardiology and biomedical and electrical engineering, we are passionate about tackling real-world challenges through the lens of computational medical imaging.

This is a full-time position with start date of Summer 2023 or later. The appointment is a 2-year position with possibility for extension and a competitive salary (60k+, with benefits) based on experience and performance. Minorities and women are especially encouraged to apply.

To Apply: send a CV, a brief statement of background and interests, and contact information of two references to: Adam Bush, PhD adambush@utexas.edu and Jon Tamir, PhD jtamir@utexas.edu

The University of Texas at Austin is committed to an educational and working environment that provides equal opportunity to all members of the university community.