# Postdoctoral Scholar in Magnetic Resonance Spectroscopy

**CHAN**
Chemical
Advanced
Neuroimaging

## POSITION AVAILABLE

A postdoctoral training position is available in the Chemical Advanced Imaging (CHAN) laboratory led by Dr. Kimberly Chan, in the Advanced Imaging Research Center at UT Southwestern Medical Center. The scholar will develop advanced magnetic resonance spectroscopy (MRS) methods and/or apply them to study human brain metabolism in diseases and disorders across the lifespan.

*The lab has several exciting projects related to the following:*

1. *Developing novel MRS and MRSI methods at 3T and 7T.*

2. *Optimization and clinical translation of MRS methods to diagnose and track the treatment of brain tumors.*

3. *Combined fMRI and MRS to provide insight into the biological mechanisms underlying mood disorders.*

## REQUIREMENTS

The specific research focus will be tailored to the candidate's interests and prior experiences. Candidates must hold a recent Ph.D. in biomedical engineering, neuroscience, computer science, physics, or a related field. Strong communication and time management skills as well as a background in MRI, MRS, or NMR are required. Pulse programming skills and experience with MATLAB and/or Python are a plus.

## TRAINING ENVIRONMENT

Information on our postdoctoral training program, benefits, and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs. The candidate will have access to state-of-the-art facilities hosted by the Advanced Imaging Research Center, including three human 3T MRI systems (Siemens, Philips, and GE), one human 7T MRI system (Philips), and custom-built coils made by our in-house RF engineering laboratory.

## CONTACT

*Interested individuals should send a CV and a brief statement of interests to:*

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