

## IMMEDIATE JOB OPENINGS

### MRI technical developments and applications in animals and humans

Research Imaging Institute, MRI Division, University of Texas Health Science Center at San Antonio

**Positions:** The Research Imaging Institute, MRI Division, at the University of Texas Health Science Center at San Antonio, invites applications from highly motivated scientists at postdoc (2 positions), and non-tenure track faculty (1 position) in the following areas:

**Projects:** Successful applicants will work on:

- 1) MRI pulse sequence programming or hardware (Siemens and Bruker)
- 2) MRI applications in rodent/non-human primate models of stroke and retinal diseases
- 3) Technical neuro-MRI development and applications in humans

**Qualifications:** Applicants should have a PhD and/or MD in a related field, plus:

- 1) Experience in hand-on MRI experiments, in pulse-sequence development, Bruker or Siemens scanners, OR
- 2) Experience in hand hand-on RF and MRI hardware, OR
- 3) Expertise in stroke and/or retinal diseases with interests in MRI applications.

**About us:** Our research interests broadly encompass the development of multimodal in vivo magnetic resonance imaging (MRI), and 2) the applications of these innovative imaging technologies to study anatomy, metabolism, physiology (such as blood flow and oxygenation) and function in neurosciences from animals (mice to non-human primates) disease models to humans. Our research group is highly interdisciplinary with expertise in medicine, physics, engineering, neurology, physiology, neuroscience and image processing.

Relative to this recruitment, the MRI Division houses the following laboratories

- 1) MRI: 11.7T/16cm Biospec
- 2) MRI: 7T/30cm Biospec
- 3) MRI: 7T/16cm Pharmascan
- 4) MRI: 3T/90cm whole-body Siemens TIM Trio
- 5) MRI: 3T/90cm whole-body Siemens TIM Trio + AC88 high performance gradient insert
- 6) MRI: 3T/90cm whole-body Philips Achieva

There are also comprehensive machine and electronic workshops, wet labs and in-house animal facility, research supports, among others. Additional details including our research interests and resources can be found at <http://ric.uthscsa.edu/duong/index.htm>

**Contact:** Please email CV, contacts of three references to:

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*All Faculty and Postdoctoral appointments are designated as security sensitive positions.  
The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.*