

IMMEDIATE JOB OPENING

MRI technical developments and applications in animals and humans

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

Position: The Research Imaging Institute, MRI Division, at the University of Texas Health Science Center at San Antonio, invites applications from highly motivated MRI scientists at non-tenure track research assistant professor 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.
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