



# The University of Texas at Austin Staff Jobs

The University of Texas at Austin is seeking to hire a full-time MRI Program Manager to join the Biomedical Imaging Center (BIC) and lead the MR component of the BIC's mission. The BIC is a university core facility that incorporates multi-modal biomedical imaging (MRI, PET, CT, optical imaging) and supports basic, translational and clinical research at UT-Austin and the wider community. Our user-base is diverse and encompasses human and preclinical imaging across multiple fields including oncology, neurology, psychology, psychiatry, nutrition and biomedical engineering. The MRI Program Manager will occupy a leadership position within the BIC and be responsible for expanding our technical capabilities and services, enhancing our educational programs, and overseeing the management of our imaging systems. The ideal candidate will be experienced in the application of MRI to biomedical research – preferably familiar with both pre-clinical and human imaging – with the vision, technical expertise, and leadership skills to increase our impact on the global imaging community.

## Responsibilities

Lead the MR component of the BIC's scientific and educational mission.

- Supervise the MRI team and oversee the management of the clinical and preclinical MR systems of the BIC, ensuring that each system is operating effectively and efficiently (20%).
- Guide the expansion of our technical capabilities by developing and implementing new MRI methods and services on the Center's MRI systems (30%).
- Coordinate the educational and training programs of the BIC regarding MR imaging and spectroscopy, including the development of curricula (20%).
- Collaborate with our support team and provide advanced technical support to BIC users for human and pre-clinical MR imaging and spectroscopy (20%).
- Serve as the representative of the Center's MR operations to the research community; perform local outreach concerning BIC's resources and services (5%).
- Perform other duties as requested (5%).

## Required Qualifications

- PhD in a discipline related to biomedical MRI e.g. biomedical engineering, physics, chemistry / biochemistry, with a detailed knowledge of MR physics. Additional relevant experience may be considered in lieu of a doctoral qualification.
- 3 or more years of experience in the application of MRI to biomedical research in either a clinical or preclinical environment.
- Pulse Sequence and / or image reconstruction programming.
- Demonstrated ability to train and support researchers in MRI.
- Excellent communication and presentation skills.
- Ability to think independently and assess critically / resolve complex problems.
- Effective and flexible leadership and teamwork skills.

## Preferred Qualifications

- Experience with Siemens and / or Bruker systems and their sequence / reconstruction programming environments (IDEA, ICE, ParaVision)
- Familiarity with both preclinical and human MR research
- Small animal handling as it relates to preclinical imaging
- Experience with the integration of custom hardware with the MR system
- Familiarity with standard MRI/fMRI analysis packages e.g. Freesurfer, Fsl, Osirix,
- Experience with other software development environments e.g. Matlab, R-studio, MS Visual Studio
- Proficiency with MS Office or equivalent packages

A full job description and further details can be found at: [The University of Texas at Austin Staff Jobs](#)