

Postdoctoral Fellow – Advanced Diffusion MRI for Abdominal Imaging

A postdoctoral position is available in the laboratory of Dr. Xiaoyu Jiang at Vanderbilt University Institute of Imaging Science. The research program focuses on the development and validation of advanced diffusion MRI methods for tissue characterization, particularly in liver and kidney diseases. Projects involve quantitative MRI, diffusion modeling, MRI physics, biomarker development, and translation from preclinical to clinical studies.

Applicants should hold a PhD in Physics, Medical Physics, Biomedical Engineering, Electrical Engineering, or a related field, with a strong background in MRI physics. Candidates should demonstrate critical thinking, strong communication skills, teamwork, and project management abilities. Experience in preclinical and/or clinical MRI research is preferred. Experience with diffusion MRI, quantitative imaging, image analysis, or MRI sequence development is highly desirable.

Interested applicants should send a CV, research statement, and contact information for three references to Xiaoyu.jiang@vumc.org