Postdoctoral Fellowship in Diffusion MRI of White Matter Microstructure

Environment

• Get research training in medical imaging at the Vanderbilt University Institute of Imaging Science (VUIIS)
• VUIIS houses world class medical imaging facilities and internationally recognized faculty
• VUIIS is on the campus of Vanderbilt University Medical Center in Nashville, TN
• Nashville is known for its excellent music and diverse restaurant scene

Hiring!

• We are hiring up to 2 postdoctoral positions with a focus in diffusion MRI
• You will help to create MRI methods to improve our understanding of brain microstructure, especially white matter
• Develop new models and simulations of diffusion MRI in complex environments
• Acquire novel diffusion MRI measurements, and compare them with other quantitative measures and modalities

Qualifications

• Ph.D. in a relevant engineering, physical science, computer science or mathematics discipline
• Evidence of excellent written and oral communication skills
• Solid programming skills: including Python, C/C++, and MATLAB
• Experience with high performance computing is preferred—especially GPUs
• Prior MRI pulse sequence experience is preferred but NOT required!

Applications

Applications should include a CV and contact information for 3 references. Applications and other inquiries should be sent to: Kevin Harkins, PhD at kevin.d.harkins@vumc.org

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