Postdoctoral Research Position
Musculoskeletal Research & Quantitative Imaging Laboratory

Description: A National Institutes of Health (NIH) funded postdoctoral position is available in the Radiology and Imaging Sciences Department at Emory University. The main effort in this role will be towards developing structure-function relationships in musculoskeletal tissues using NMR and MRI modalities. This work will involve animal and human studies and require work with an interdisciplinary team of collaborators. Other effort will be towards developing and applying methods for robust high field (3 and 7 Tesla) MRI along with working towards the candidate’s long term career goals.

Qualifications: Applicants must have a Ph.D. or D.Sc. in physics, electrical engineering, biomedical engineering, or a related field. The successful candidates should exhibit strong quantitative skills, be highly motivated and will be expected to exhibit a strong work ethic. Both excellent written and oral communication skills are required in addition to the ability to work independently and in a collaborative manner with a diverse group of scientists and clinicians. Knowledge of MR physics and previous experience with pulse sequence programming is highly desired.

Facilities and Resources: The Musculoskeletal Research & Quantitative Imaging Lab offers exceptional resources housed in the newly constructed state-of-the-art Health Sciences Research Building II, that has research-dedicated MRI systems: Siemens 3T Prisma, Siemens 7T Tera, and Bruker 11.7T BioSpec. Additional research MRI scanners are available across campus including a newly installed GE 3T PET-MR, Siemens 3T Prisma with multinuclear capabilities, and Bruker 9.4T animal scanner. Additional MRI instruments available for clinical research include two GE 1.5T MRIs located in the Emory Musculoskeletal Institute, a Siemens 3T Skyra located in the Sports Medicine Clinic, and a Siemens 3T Vida located at Grady Memorial Hospital.

Salary/Benefits: Salary is commensurate with experience with full benefits.

How to Apply: Interested candidates should submit their curriculum vitae and contact information to Emory’s Career Site at https://faculty-emory.icims.com/jobs/109419/post-doctoral-fellow---radiology-and-imaging-sciences-department/job?mode=view