

Postdoctoral Fellow Position in Microstructure Imaging of Muscle using Diffusion MRI

A postdoctoral fellow position is available in the laboratory of Dr. Sungheon Gene Kim, in the Department of Radiology, Weill Cornell Medical College, New York City. We are looking for a highly motivated postdoctoral fellow with strong background in physics/engineering and passion for diffusion-based microstructural imaging. The successful candidate will join a research team focused on development of quantitative MRI methods for muscle and cancer imaging. The position is available to start as soon as possible.

Research opportunities in:

- Advanced diffusion MRI methods for microstructure imaging of muscle
- Fast multi-tasking MRI methods for quantitative imaging of muscle and cancer
- Deep learning-based image reconstruction and analysis for clinical and preclinical studies

Qualifications:

- PhD or an equivalent degree in biomedical engineering, computer science, electrical engineering, physics or related fields
- Strong background in MR physics, image reconstruction, and data analysis
- Proficiency in programming languages, such as C++, Matlab and Python
- Self-driven and highly motivated with excellent communication skills

Research Environment: The Kim Lab is part of a larger imaging research community, including MRI Research Institute (MRIRI), Molecular Imaging Innovation Institute (MI3) and Citi Biomedical Imaging Center (CBIC), in the Department of Radiology at Weill Cornell Medical College. The successful candidate will have access to two 3T whole body MRI scanners dedicated to research in addition to a number of 1.5T and 3T MRI and PET/MR scanners available for translational research at clinical imaging sites. Our facility is also equipped with a 7T preclinical MRI and microPET scanners for small animal imaging. A 7T whole body MRI system is anticipated to be installed over the next one year. Weill Cornell Medical College, located in the upper east side of New York City, has a vibrant biomedical research community and strong ties to the main Cornell University campus in Ithaca and the Cornell Tech campus in New York City.

The salary range is established at \$70,000 - \$83,584 per annum, commensurate with qualifications and experience.

Application: Please send your CV and research statement to Dr. Gene Kim (sgk4001@med.cornell.edu).

Diversity is one of Weill Cornell Medicine's core values and is essential to achieving excellence in patient care, research, and education. We welcome applications from candidates who share our commitment to fostering a culture of fairness, equity, and belonging. Weill Cornell Medicine is an Equal Employment Opportunity Employer, providing equal employment opportunities to all qualified applicants without regard to race, sex, sexual orientation, gender identity, national origin, color, age, religion, protected veteran or disability status, or genetic information.