Weill Cornell Medicine
Radiology

Postdoctoral Positions in Deep Learning for Brain MRI Research

Position Summary:

Postdoctoral positions in brain MRI research using deep learning are available immediately in the laboratory led by Dr. Zungho Wesley Zun at the MRI Research Institute (MRIRI), Weill Cornell Medical College of Cornell University in New York City.

Job Description:

These research positions will primarily focus on developing deep learning algorithms for innovative brain MR imaging. Applications include (1) quantitative susceptibility mapping (QSM) with source separation and (2) rapid anatomical imaging using balanced steady-state free precession (SSFP) combined with compressed sensing.

Qualifications:

Candidates must have a PhD or an equivalent degree in biomedical engineering, electrical engineering, physics, mathematics, or related fields. Experience in developing deep learning algorithms using Python on PyTorch or TensorFlow is required. Understanding of MRI imaging is preferred but not necessary.

Research Environment:

The MRIRI at the Department of Radiology of the Weill Cornell Medical College of Cornell University aims to be a leading center in the development of innovative MRI methodologies and their applications in biomedicine. Located in Manhattan on the upper east side of New York City, Weill Cornell Medical College has a vibrant biomedical research community and strong ties to the main Cornell campus in Ithaca and the Tech campus in New York City. Weill Cornell Medical College houses research-dedicated 3T systems (1 GE and 1 Siemens), 3T PET/MR (1 GE and 2 Siemens), and a 7T human system (to be installed), as well as a large installed base of additional clinical MRI systems of varying field strengths. For these positions, salary is commensurate with experience and candidates are eligible for subsidized housing within walking distance to the MRIRI. The salary range is established at $70,000 - $83,584 per annum, commensurate with qualifications and experience.

How to Apply:

Interested candidates should email their CV to Zungho Wesley Zun, PhD (zuz4001@med.cornell.edu).