Post-doctoral Fellow Position in Quantitative Brain MRI

A postdoctoral position in quantitative brain MRI is available at the MRI Research Institute (MRIRI) in the Department of Radiology, Weill Cornell Medicine (WCM), Cornell University, in New York City (NYC). This research position will focus on developing quantitative MR methods for evaluation of neurodegenerative diseases including Alzheimer’s and Parkinson’s disease, and neuroinflammatory diseases such as multiple sclerosis. Potential research projects include water permeability mapping of blood-brain and blood-CSF barriers, mapping of glymphatic perivascular space, and quantification of tissue iron and oxygen extraction fraction. The successful candidate will work closely with Dr. Thanh Nguyen and will be co-mentored by Dr. Nguyen as well as Drs. Jana Ivanidze and Yi Li. The candidate will be part of a strong research collaboration between the MRIRI led by Dr. Yi Wang and the Brain Health Imaging Institute (BHII) led by Dr. Mony de Leon.

The recently formed MRIRI at the Department of Radiology of WCM is a leading center in the development of innovative MRI methodologies and their applications in biomedicine. Research interests at MRIRI in terms of clinical applications cover a wide range of diseases, including, but not limited to, neurological, cardiovascular, and oncologic disorders. WCM, located in the Upper East Side of NYC, has a vibrant biomedical research community and strong ties to the main Cornell campus in Ithaca and the Cornell Tech campus in NYC.

The candidate must have a Ph.D. or an equivalent degree in biomedical engineering, electrical engineering, physics, or related fields. Strong background in MR physics, proficiency in programming (C/C++, Python, MATLAB) and neuroimaging analysis (FreeSurfer, FSL, SPM), as well as experience with MR sequence programming would be an advantage, though not required. The candidate should have excellent communication skills and will be expected to participate in both independent and collaborative projects. Salary is commensurate with experience.

The candidate will be supported in pursuing foundation and government funded training grants and will be exposed to numerous training opportunities in clinical and translational neuroimaging research methods.

Interested candidates should e-mail a brief statement of research interests, CV, and contact information of three references to Dr. Thanh Nguyen (tdn2001@med.cornell.edu).

Diversity is one of WCM’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. WCM 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.
We strongly encourage applications from groups that are underrepresented in medicine and MRI research including, but not limited to, gender and ethnic minorities and individuals with disabilities or from disadvantaged backgrounds.