Postdoctoral Scholar @
New York University (NYU) Grossman School of Medicine

**DESCRIPTION:** Several postdoctoral fellow positions for neuroimaging research are available at the Center for Biomedical Imaging (CBI) of Department of Radiology at NYU Grossman School of Medicine. The research projects aim to develop advanced imaging techniques to examine the neurovascular origin of brain aging and dementia, focusing on neurovascular pathology, MRI-pathology correlations, and development of MRI markers. The projects will involve the use of advanced diffusion and perfusion MRI, quantitative susceptibility mapping (QSM) and functional MRI (fMRI) methods at 3T and 7T clinical and preclinical MRI for brain imaging. Candidates who majored in electrical or biomedical engineering, neuropathology, neuroscience, computer science, or medical physics are encouraged to apply.

**CBI & NYU LANGONE HEALTH:** NYU Langone Health is a world-renowned healthcare system and has a wealth of clinical and basic science facilities and resources for both human and small animal studies. CBI is located in the heart of Manhattan of NYC and equipped with multiple whole-body Siemens 3T and 7T MRI, and PET/MR scanners, as well as several various small-bore systems. The center has over 30 world-class MRI full-time research faculty members and is one of the fastest growing imaging hubs for preclinical and clinical translational MRI research in the US with more than 8 cutting-edge small animal imaging modalities spanning over 20 scanners for translational cross-validation and fully equipped radiofrequency laboratory. Opportunities exist for the candidates to work independently and collaborate with other top-tier clinician and imaging scientists at NYU Langone Health.

**CANDIDATE REQUIREMENTS:** The ideal candidates will have previous experience in MRI data acquisition and data analysis skills, MRI reconstruction or pulse sequence programming, and demonstrated experience in scientific writing. You will be part of a multi-disciplinary team of imaging scientists and clinical collaborators and work on the projects that involve MRI pulse sequence implementation, perfusion and functional MRI acquisition, and advanced image processing (using Matlab, FSL, SPM or R). Candidates should have strong passion for advanced neuroimaging research and willingness to pursue cutting-edge scientific endeavors in a top-tier imaging research environment.

The positions are full time and funded by NIH grants for at least 2 years with competitive salary and employee benefit package. The postdoctoral fellows will work closely with liangyang Zhang, PhD, Youssef Zaim Wadghiri, PhD, and Yulin Ge, MD.

To apply, please forward your CV, a statement of your research experience and interests, and contact information of three references to Yulin Ge at Yulin.Ge@NYULangone.org. The position and review process will be open until filled.