Postdoctoral Fellowship Position at New York University (NYU) School of Medicine

DESCRIPTION: Two research scientist / post-doctoral positions are available immediately at the Center for Biomedical Imaging at New York University School of Medicine (NYUSOM). The research projects will involve the use of advanced diffusion MRI (dMRI), gas (CO₂/O₂)-enhanced MRI, quantitative susceptibility mapping (QSM) and functional MRI (fMRI) methods for brain imaging with applications in multiple sclerosis, Alzheimer’s disease, and other neurodegenerative diseases. Candidates who majored in electrical or biomedical engineering, neuroscience, computer science, or medical physics are preferred.

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 human studies and small animal research. The research for these positions will be conducted at the Center for Biomedical Imaging (CBI) of Department of Radiology, which is a center for advanced imaging innovation and research. CBI is located in the midtown of Manhattan of New York City and equipped with multiple whole-body Siemens 3T and 7T MRI scanners including one PET/MRI, as well as several various small-bore systems for specimen and animal studies. The center has over 20 world-class MRI research faculty members and is one of the fastest growing imaging hubs for translation research in the US.

CANDIDATE REQUIREMENTS: The ideal candidate will have previous experience in MRI data acquisition and programming skills for data analysis (e.g., Matlab, Python). Specifically, the candidates would be involving sequence development/implementation, diffusion and functional MRI acquisition, and image processing (using FSL, SPM or others), as well as writing high-impact publications. Candidates with passion of advanced imaging research and willingness to pursue new and cutting edge endeavors are highly encouraged to apply. Support for these positions will be derived from National Institutes of Health (NIH) grants.

To apply, please forward your CV, a statement of your research experience and interests, and the contact information for 2-3 references to Dr. Jiangyang Zhang and/or Dr. Yulin Ge at the email addresses listed below:

Jiangyang Zhang, PhD, Email: Jiangyang.Zhang@nyumc.org
Yulin Ge, MD, Email: Yulin.Ge@nyumc.org