Shanghai Research Center for Brain Science and Brain-inspired Intelligence

Associate or Assistant Professor, Engineer, Postdoctoral Fellow in Platform for Advanced Neuroimaging Techniques

Description
Shanghai Research Center for Brain Science and Brain-inspired Intelligence is an independent legal entity established by the Shanghai Municipal Government. It locates at the Zhangjiang Laboratory. The Center focuses on the strategic needs of state in the field of brain science and brain-like intelligence research. It is responsible for organizing multidisciplinary and collaborative innovation of brain science research, coordinating related-research projects initiated by the state and Shanghai, as well as promoting major breakthroughs in this field.

The Platform for Advanced Neuroimaging Techniques is an important research unit of the Center. It will be equipped with imaging modalities including 3T-MRI, high field MRI, PET/MR, total-body human PET/CT, small animal PET/CT and ultra-high field small animal PET/MR. The main focuses of the Platform are innovations of cutting-edge imaging technologies and image analyzing methods. We also apply neuroimaging methods in investigations of the development and aging of human brain, as well as neurodegenerative and neuropsychiatric diseases. The Platform maintains close cooperation with research teams in other fields including artificial intelligence, integrated chips, neuroscience, and bio-computing within the Center. We also have tight connections with external medical device manufacturers, domestic and foreign research institutions, and luminary research hospitals.

The Center is recruiting for several members at the level of Associate Professor, Assistant Professor, Engineer, and Postdoctoral Fellow to join the Platform for Advanced Neuroimaging Techniques. The successful candidate will conduct imaging analysis and method development studies, as well as work with interdisciplinary investigators to start and maintain new studies.
Qualifications
Candidates for these positions must hold an Ph.D. degree or equivalent, with research focus in the following fields: diffusion MRI, magnetic susceptibility imaging, fMRI, perfusion MRI, MRS, neurovascular MRI, PET/MR, PET/CT or machine (deep) learning in medical imaging.

Application Instructions
If you are interested in these opportunities, please send updated CV and a Letter of Interest or Cover Letter to asgu@bsbii.cn. Address inquiries and updated CV to Dr. Nan-Jie Gong at nanjie.gong@bsbii.cn