



The Psychiatric Neuroscience Center of Feinstein Institute for Medical Research is seeking a highly motivated postdoctoral fellow to join Dr. Hengyi Cao's team to work on ongoing neuroimaging projects. We use imaging, genetics, and interventional approaches to investigate neural mechanisms and develop predictive biomarkers for major psychiatric disorders, with a particular focus on psychotic disorders. The ongoing projects related to this position include: 1) the investigation of imaging-based predictors for treatment outcome in first-episode psychosis in several large randomized clinical trials with antipsychotic agents and/or brain stimulations; and 2) the examination of cerebellar structure and function in the pathogenesis of psychotic disorders and its implication in disease prediction, development, and treatment.

The postdoctoral fellow will primarily be involved in these ongoing projects to conduct data analysis and publish results. He/she will also have opportunity to develop independent studies within the broader aims of the Center. The Center is located at the Zucker Hillside Hospital, one of the largest psychiatric facilities in the New York City and Long Island, serving approximately five million residents in the area. The Center has accessibility to an extraordinary array of patient and treatment resources, and is equipped with state-of-the-art 3T Siemens Prisma scanner, highly powerful computing clusters, and other imaging and neuromodulation devices such as EEG, TMS, and ECT. The successful candidate will be working in a highly interdisciplinary environment with neuroscientists, geneticists, statisticians, and clinicians. This position can be started immediately once filled.

**Minimum Qualifications:**

- PhD or MD in a discipline relevant to neuroimaging and clinical neuroscience

**Desired Qualifications:**

- Experience in neuroimaging data analysis and familiar with analytic software such as SPM, FSL, and/or FreeSurfer
- Strong programming skills for MATLAB, R, and/or Python
- Strong publication track record

To apply, please send a cover letter, CV, and contact information for three references to Hengyi Cao, MB., PhD. ([hcao2@northwell.edu](mailto:hcao2@northwell.edu)).