



Job Title: Postdoctoral Scientist
Employer: Feinstein Institute for Medical Research / Zucker Hillside Hospital
Location: New York, NY

Description: 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 pharmacological approaches to investigate neural mechanisms and develop predictive and prognostic biomarkers for major psychiatric disorders, with a particular focus on psychotic disorders. The currently ongoing projects related to this position include: 1) several large-scale, randomized clinical trials with antipsychotic agents and/or neuromodulation techniques to track response trajectories and probe useful predictors for first-episode psychosis; and 2) the examination of cerebellar function in the pathogenesis of psychotic disorders and its implication in disease treatment.

The postdoctoral fellow will have the opportunity to contribute to these ongoing projects as well as to develop independent studies within the broader aims of the Center. The Center also has several already completed clinical trials with data available to be analyzed for publication. The position will be funded for three years with competitive salary and benefits, commensurate with experience. The fellow is also encouraged to develop into independent investigators with own grant applications; our department has a strong track record in obtaining competitive funding for our fellows, including NIH K awards and Brain & Behavior Research Foundation (NARSAD) Young Investigator Awards.

The Center is located at the Zucker Hillside Hospital, one of the largest psychiatric facilities in Queens and the broad Long Island regions, 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.

Requirements: Minimum Qualifications:

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

Desired Qualifications:

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

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

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