McLean Hospital, America’s top ranked freestanding psychiatric hospital, is inviting applications for an Assistant Neuroscientist in the Systems Biology and Machine Learning of Stress-Related Mental Health Outcomes Laboratory, Division of Depression and Anxiety Disorders, in Belmont, MA.

Dr. Daskalakis’ Neurogenomics and Translational Bioinformatics Laboratory (NG-TBL) at McLean’s Division of Depression and Anxiety Disorders conducts research focused on the genomic connections between stress and brain functions. NG-TBL is affiliated with the Department of Psychiatry at Harvard Medical School, and the Stanley Center for Psychiatric Research at Broad Institute of MIT and Harvard.

Daskalakis Lab is seeking an Assistant Neuroscientist with a primary focus on the development and application of systems biology and machine learning approaches to understand the multi-omic and multi-modal contributions to susceptibility and resilience to stress related mental health outcomes.

The Assistant Neuroscientist will take advantage of large sets of genomic, physiological, neuroimaging, clinical, and behavioral data derived from a wide variety of translational studies. The multidisciplinary team involves leaders in biostatistics, clinical psychiatry, functional genomics, genetics, machine learning, and neuroimaging.

Current projects include analyses conducted in the context of international consortia: ENIGMA Consortium, PsychENCODE Project, Psychiatric Genomic Consortium, and UK Biobank.

This candidate will be mentored by Dr. Nikolaos Daskalakis, MD PhD and have access to the McLean Hospital and Harvard Medical School academic environment and resources. Salary and recruitment package in accordance with Hospital policies, and an HMS appointment at the academic rank of Instructor commensurate with HMS appointment criteria, meeting the minimum teaching requirement, and candidate qualifications. The applicant will be expected to supervise post-doctoral fellows.

**Job Description**

We are looking for a data scientist with PhD in biostatistics, genetics, neuroscience, machine learning or related field with demonstrated experience in applying systems biology and machine learning to large datasets. A successful candidate will be motivated and enthusiastic about understanding the neurobiology
of psychiatric disorders. The appointed researcher will work full-time on the development and implementation of computational models, and their interpretation.

The preferred candidate will possess the following attributes:
1) experience applying machine learning to large datasets
2) a strong background in data science programming languages such as Python and R; programming experience in C++ or MATLAB is a plus
3) experience with heterogeneous high-dimensional biological data such as genomic and/or neuroimaging data
4) experience with high performance computing; experience with cloud computing is a plus
5) demonstration of reproducible research tools (e.g., github); prior development of software is preferred;
6) self-starter with excellent problem-solving, communication, organizational and creative skills

**How to apply**

Applicants should submit a letter of interest and curriculum vitae along with the names and addresses of three references by email to: Nikolaos Daskalakis, Director, Neurogenomics and Translational Bioinformatics Laboratory, Email: ndaskalakis@mclean.harvard.edu and rpsomclean@partners.org.

All McLean team members are expected to consistently demonstrate our values of integrity, compassion, respect, diversity, teamwork, excellence and innovation in their work activities and interactions.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.

A member of Mass General Brigham.