Postdoctoral Fellow - Neuropathology

A little about us:

The Lieber Institute for Brain Development (LIBD) was conceived from the realization that a new approach is needed to fully exploit the unprecedented opportunities to accomplish the critical goal of helping affected individuals and their families. The LIBD aims to transform the research landscape in two ways: by providing new tools for scientific discovery and by developing new collaborative approaches to achieve our ambitious mission.

The mission of the Lieber Institute for Brain Development is to translate the understanding of basic genetic and molecular mechanisms of schizophrenia and related developmental brain disorders into clinical advances that change the lives of affected individuals. We are an independent 501(c)(3) medical research institute located in the Bioscience Park on the campus of the Johns Hopkins School of Medicine and Hospital.

Job Summary:
A postdoctoral position is available within the Neuropathology group at the Lieber Institute for Brain Development. Research projects include interrogation of clinical and postmortem gene expression datasets towards understanding mechanisms of risk and avenues for therapeutic intervention in schizophrenia, bipolar disorder, PTSD, depression, eating disorders, and autism.

Principal Responsibilities:
The applicant will work with both the Neuropathology group and the Bioinformatics group to apply advanced statistical methods to complex clinical and gene expression datasets. The clinical data base contains information on over 3000 postmortem brain donors, with each donor having a wide range of carefully curated diagnostic and clinical data. The postmortem brain datasets include genotype, RNA sequencing, and DNA methylation datasets. Single cell and laser capture microdissection datasets also will be available for additional study later in 2020.

Education and Experience Requirements:
-PhD required in Biostatistics or closely related field
-Ability to work and troubleshoot independently.
-Experience with strong biostatistics, bioinformatics, genetics and neurodevelopment background is desired
-Ability to develop novel approaches
-Ability to work, support and supervise interdisciplinary work across teams
-Excellent organizational and communication skills

EEOC Statement: The Lieber Institute for Brain Development is proudly an equal employment opportunity and equal professional advancement employer. Employment decisions at the Lieber Institute for Brain Development are based on merit, qualifications, and abilities. It is our policy that the Lieber Institute does not discriminate in employment opportunities on the basis of race, religion, color, sex, age, marital status, national origin or ancestry, citizenship, physical or mental disability, sexual preference/orientation or veteran status with regard to any position or employment for which the applicant or employee is qualified.

To Apply: Submit your CV and cover letter to jobs@libd.org with "Post Doc – Neuropathology" in the subject line.