

Research Assistant – Neural Plasticity

Organization Overview

The Lieber Institute is a center for interdisciplinary, translational neuroscience research structured around three divisions: Basic Sciences, Clinical Sciences, and Drug Discovery. Our mission 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. The Lieber Institute is located in the Bioscience Park on the campus of the Johns Hopkins School of Medicine and Hospital. www.libd.org

Position:

We are seeking an enthusiastic and self-motivated individual to join our research group at the Lieber Institute for Brain Development located on the Johns Hopkins medical campus in Baltimore, Maryland (<https://www.libd.org/functional-genomics/>) on June 1, 2019. This post-baccalaureate research position is open to recent college graduates seeking training and experience in a translational research setting with a plan to pursue a graduate or professional degree in science or medicine. The successful applicant will work directly with a staff scientist to advance ongoing research projects that investigate how risk genes for schizophrenia and related developmental disorders influence brain function. The ideal candidate will have a bachelor's degree in neuroscience and previous experience in molecular/cellular biology. The individual will be expected to thoughtfully conduct experiments, analyze data, and participate in experimental design. Initiative to learn new methods and perform work efficiently and carefully are essential. The appointment is for a limited duration with an anticipated length of two years.

Key responsibilities:

- Conducting and analyzing experiments in postmortem human tissue samples and human induced pluripotent stem cell (hiPSC)-derived neurons.
- RNA isolation, quantitative-PCR, RNA-seq library construction
- Immunohistochemistry and fluorescent in situ hybridization
- Confocal microscopy
- Primary neuronal cell culture
- Assistance with general lab support

The following are required:

- BA/BS in neuroscience or a closely related field
- Plan to pursue graduate or professional degree in science or medicine
- Laboratory research experience
- Excellent organizational and communication skills
- Flexible work schedule (occasional weekends and evenings are required due to nature of experiments)

Familiarity with the following techniques is a plus:

- Cell culture
- Cryosectioning
- RNA-sequencing
- Microscopy
- MATLAB

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: Please send your CV and cover letter as well as contact information for at least two professional references to jobs@libd.org with “Research Assistant – Neural Plasticity” in the subject line.