

Research Assistant Neural Plasticity

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. The Lieber Institute is located in the Bioscience Park on the campus of the Johns Hopkins School of Medicine and Hospital. www.libd.org

Job Summary:

We are seeking an enthusiastic individual to join our group as a Research Assistant. This position is an excellent opportunity for recent college graduates seeking experience in a translational research setting that plans to pursue future graduate training in the biomedical sciences. The Research Assistant will work within a cross-disciplinary team to advance projects aimed at assessing changes in gene expression and the epigenome within cell-type specific populations of the mouse and human brain. These projects are designed to better understand the nature of dysfunction in neural circuits that lead to neurodevelopmental and neuropsychiatric disorders. The research assistant 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.

Key responsibilities:

- RNA isolation, quantitative-PCR
- Library construction for next-generation sequencing
- Nuclei isolation and single-nucleus sequencing
- Immunohistochemistry and single-molecule fluorescent in-situ hybridization
- Confocal microscopy

Education, Skills and Experience:

The following are required:

- A bachelor's degree in neuroscience or molecular & cellular biology with an interest in neuroscience
- Wet-bench 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:

- Cryosectioning
- Next-gen sequencing and analysis
- Confocal Microscopy

To Apply:

Please email your resume with contact information for at least two references to jobs@libd.org with Research Assistant in the subject line.

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.