

Research Associate – 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.

Job Summary:

We are seeking a self-motivated individual with significant research experience in molecular biology to join our research group at the Lieber Institute for Brain Development in Baltimore, Maryland. This position is open to bench laboratory scientists seeking a position within a translational research setting with a focus on next generation sequencing projects in both mouse and postmortem human brain tissue. The Research Associate will work in collaboration with a Research Scientist that leads planned cell type-specific transcriptomics and genomics projects that aim to understand the neural circuits mediating psychiatric disease.

Responsibilities will include executing experimental protocols independently, analyzing data, as well as contributing to experimental design and troubleshooting protocols. While exceptional wet lab skills are essential for this position, computational experience or familiarity with computing in MATLAB or R is a plus.

Key responsibilities:

- RNA-seq library construction
- Nuclei isolation and flow cytometry
- RNA isolation, quantitative-PCR
- Immunohistochemistry and fluorescent in situ hybridization
- Confocal microscopy

Education, Skills and Experience:

- Bachelor's degree in neuroscience, molecular or cellular biology or a closely related field is required. MS degree is preferred.
- A minimum of three years of full-time laboratory bench research experience in molecular/cellular biology or next generation sequencing library construction is required.
- Familiarity with one or more of the following techniques is required:
 - Cryosectioning
 - Single cell RNA-sequencing
 - Confocal Microscopy
 - Flow cytometry
- Computational experience or familiarity with computing in MATLAB or R is a plus.
- Initiative to learn new methods and perform work efficiently and carefully are essential.
- Excellent organizational and communication skills are also required.

To Apply:

Please email your resume with contact information for at least two references to jobs@libd.org with “Research Associate – Neural Plasticity” 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.