



LIEBER INSTITUTE *for*  
BRAIN DEVELOPMENT  
MALTZ RESEARCH LABORATORIES

**Job Title: Research Associate**

**A little about us:**

The Lieber Institute for Brain Development was conceived from the realization that a new approach is needed to fully exploit the unprecedented scientific opportunities to accomplish the critical goal of helping affected individuals and their families. The Lieber Institute 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.

The Lieber Institute offers a generous benefits package which includes paid holidays, sick, personal and vacation time off.

**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 located on the Johns Hopkins medical campus in Baltimore, Maryland (<https://www.libd.org/functional-genomics/>). This position is open to bench laboratory scientists seeking a position within a translational research setting with a focus on next generation sequencing projects using 10x Genomics Visium technology in postmortem human brain tissue.

The Research Associate will work in collaboration with a Research Scientist that leads planned transcriptomic projects that aim to create spatial maps of gene expression in human brain and examine associations with neuropsychiatric disease risk and illness state.

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 R is a plus. Initiative to learn new methods and perform work efficiently and carefully are essential.

**Key responsibilities:**

- RNA-seq library construction using Visium technology.
- Immunohistochemistry and fluorescent in situ hybridization.
- Confocal microscopy.

**Minimum Qualifications (Mandatory):**

**Education:** Bachelor's degree in neuroscience, molecular or cellular biology or a closely related field. Master's preferred.

**Experience:** 3 – 5 years of full time research experience is required. Some bench experience in molecular/cellular biology, confocal microscopy, flow cytometry, and/or RNA-sequencing library construction is required.

Familiarity with one or more of the following techniques is required:

- Cryosectioning
- Single cell RNA-sequencing
- Confocal Microscopy

**Special Knowledge, Skills, and Abilities:**

- Excellent organizational and communication skills.
- computational experience or familiarity with computing in R is a plus.

**Physical Requirements:**

- Incumbent is required to work in an office and a laboratory environment with some exposure to noxious fumes, chemicals, biological materials and organisms, and equipment.
- Must be able to move about the office and campus as well as remain stationary for extended periods of time.
- Physical dexterity sufficient to move body frequently around laboratory equipment and instrumentation.
- Ability to continuously operate a personal computer for extended periods of time
- Visual acuity as well as mental acuity sufficient to collect and interpret data, evaluate, reason, define problems, establish facts, draw valid conclusions, make valid judgments and decisions are required
- Ability to speak and hear well enough to communicate clearly and understandably with sufficient volume to ensure an accurate exchange of information in normal conversational distance, over the telephone, and in a group setting
- Physical dexterity sufficient to use hands, arms, and shoulders repetitively to operate a keyboard and other office equipment, use a telephone, access file cabinets and other items stored at various levels, including overhead
- Ability to lift or move objects up to 25 lbs.

**To Apply:**

Please email your resume and cover letter with contact information for at least two references to [jobs@libd.org](mailto:jobs@libd.org) with “Research Associate” 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.