

## Job Advertisement Template

### *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.

### Job Summary

We are seeking an enthusiastic and self-motivated individual to join our research group (<http://www.libd.org/research-activities/research/basic-sciences/neural-plasticity>). This research assistant 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 collaboratively with the research group to advance ongoing projects that investigate the role of activity-dependent signaling in neural circuits that control behaviors relevant to neuropsychiatric disorders. The accepted candidate 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.

### Overview of Duties

- Perform stereotaxic intracranial surgeries of viral constructs
- Conduct and analyze animal behavior experiments
- Immunohistochemistry
- Confocal microscopy
- *In vivo* electrophysiology and calcium imaging
- Programming and data analysis in MATLAB, Python, and R programming languages
- Assist in general lab support

### Professional and Education Requirements

The following are required:

- BA/BS in Neuroscience, Psychology, 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:

- Mouse handling
- Programming with MATLAB
- Confocal microscopy

- Rodent behavior studies

**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](mailto:jobs@libd.org) with “Research Assistant (b)– Neural Plasticity” in the subject line.