Research Assistant – Imaging Development

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 group at the Lieber Institute for Brain Development as a post-baccalaureate Research Assistant. This 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. In this position, the individual will work with the Imaging Development team, taking a cross-sectional approach to investigate the genetic and molecular basis of risk for neurodevelopmental and neuropsychiatric disorders. Experiments take a cross-species approach and use various model systems, including human iPSC-derived neurons, rodent models and post-mortem human brain tissue. The Research Assistant will also conduct experiments, analyze data, and participate in experimental design. Attention to detail and the ability to perform work carefully and efficiently is essential. Ability to work collaboratively within a team-based framework is critical for this position.

Overview of Duties:

- Immunocytochemistry
- Confocal microscopy and image analysis
- High-Content Imaging acquisition and analysis
- Calcium Imaging
- Programming and data analysis in MATLAB and R programming languages

- Assist in general lab support

Professional and Education Requirements:
- BA/BS in Neuroscience, Biology, or a closely related field is required
- Minimum 0-2 years of relevant laboratory research experience along with microscopy experience is required
- Demonstrates excellent organizational and communication skills

Familiarity with any of the following techniques is a plus:
- Programming in MATLAB or R
- Immunocytochemistry
- Confocal microscopy
- High-Content Imaging acquisition and analysis
- General Molecular Biology Techniques
- Cell Culture

Why you should work for us:

The Lieber Institute understands that attracting the highest caliber talent means offering an exciting job and benefits in a state of the art location that meets one's personal needs. In order to attract a diverse group of talented, motivated, and innovative professionals, we offer benefits and resources designed to support you in creating the life and work style that brings your best to you, your family, and the Institute.

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:

Interested applicants should submit a cover letter, and their *curriculum vitae* to jobs@libd.org with the subject line "Research Assistant–Imaging Development."