LIBD

LIEBER INSTITUTE *for*
BRAIN DEVELOPMENT
MALTZ RESEARCH LABORATORIES

www.libd.org

Research Associate - 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 with significant experience in microscopy and molecular biology to join our research group at the Lieber Institute for Brain Development. The successful applicant will work with the Imaging Development group at the Institute, taking a cross-sectional approach to investigating biological questions of neural development using various model systems, including iPSC-derived neurons, rodent models and post-mortem human brain tissue. The successful applicant will thoughtfully conduct experiments, analyze data, and participate in experimental design. Attention to detail and the ability to perform work carefully and efficiently is essential. The candidate will also assist in day-to-day operations running the Institute's microscopy core, including training new users and assisting current users with ongoing experiments. This position will require interfacing with and providing technical expertise to microscopy core users with varying experience levels and experimental imaging needs.

Overview of Duties:

- Immunocytochemistry and single-molecule fluorescent in situ hybridization
- Confocal microscopy
- Calcium Imaging
- High-Content Imaging acquisition and analysis

- Programming and data analysis in MATLAB and R programming languages
- Provide core support to Institute scientists performing microscopy-based experiments

Professional and Education Requirements:
- A B.S. degree in Neuroscience, Biology, or a closely related field is required. MS degree is preferred
- Minimum 3-5 years of relevant laboratory research experience, including experience with confocal microscopy, is required
- Excellent organizational and communication skills

Experience with any of the following would be advantageous:
- Programming in MATLAB or R
- High-Content Imaging acquisition and analysis
- RNA isolation, quantitative PCR
- iPSC-derived neuron and/or primary rodent 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 Associate – Imagining Development".