

Research Associate – Stem Cell

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:

The Lieber Institute for Brain Development has an exciting opportunity for a Research Associate to join Dr. Brady Maher's laboratory located on the Johns Hopkins East Baltimore campus.

The focus of the position is to use cellular and molecular models to determine the function of genes associated with psychiatric disorders. The major approach is to use induced pluripotent stem cell technology to reprogram patient cell lines into neural stem cells and neurons for downstream molecular, biochemical, cellular and electrophysiological analysis.

Overview of Duties:

- Work closely with the investigator, post docs, and students in coordinating research studies.
- Routinely conduct assays using molecular, cell, and biochemistry techniques such as cloning, quantitative PCR, DNA and RNA isolation, gel electrophoresis, cell culture, protein purification, and western blot.
- Organize and maintain laboratory reagents and stocks.
- Routinely reprogram fibroblast into induced pluripotent stem cells and maintain stem cells in culture
- Depending on abilities and motivation, there is the opportunity for primary responsibility for a specific project.

Professional and Education Requirements:

- Bachelor's degree in cell biology, molecular biology or genetics with at least 3 years of lab experience in a molecular or cell biology laboratory is required
- Master's degree in neuroscience, cell biology, molecular biology, or genetics preferred. Minimum of five years experience is preferred.
- Experience with cell culture, molecular cloning, immunohistochemistry are desired.
- Experience with stem cell culture required.
- Excellent interpersonal skills.
- Excellent organizational, problem solving, and analytical skills required.
- Ability to work in a professional manner as both a self-starter and a team member.
- Excellent written and oral communication skills.
- Strong enthusiasm for science.

To Apply:

Interested applicants should submit a cover letter, their *curriculum vitae* and the names and contact information of three professional references to: jobs@libd.org

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.

Job Type: Full-time