

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. 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.

Job Summary:

The Lieber Institute for Brain Development has an exciting opportunity for a Research Associate to join the Stem Cell group to help provide institutional related core services on the Johns Hopkins East Baltimore campus.

The primary focus of this position is to use cellular and molecular models to determine the function of genes associated with psychiatric disorders. This will be done using induced pluripotent stem cell (iPSC) technology to reprogram patient fibroblast cell lines into stem cells followed by differentiation into neural progenitor cells and neurons for downstream molecular, biochemical, cellular and electrophysiological analysis. The position will also work closely with the Neuropathology group at LIBD in the procurement of patient dura fibroblast and routine reprogramming into stem cells.

Overview of Duties:

- Work closely with the stem cell core team members in coordinating research studies.
- Routinely conduct assays using advanced molecular, cell, and biochemistry techniques such as cloning, quantitative PCR, DNA and RNA isolation, routine cell culture, protein purification and isolation, and western blot.
- Differentiate human induced pluripotent stem cells into neurons and glial cells.
- Organize and maintain laboratory notebook, reagents, and stocks.
- Routinely reprogram fibroblast into induced pluripotent stem cells
- Depending on abilities and motivation, there are additional opportunities for primary responsibilities for a specific project.
- Work independently and as part of a team environment to meet institutionally focused projects. This will involve individual drive and project management. Good record keeping and detail notes taking will be a major component of this position.

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.
- Experience with cell culture, molecular cloning, immunohistochemistry, cloning are desired..
- Experience with stem cell culture preferred.
- 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 their curriculum vitae to: jobs@libd.org with the subject line "Research Associate – Stem Cell Biology".

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.