

Research Associate Functional Genomics

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. The Lieber Institute is located in the Bioscience Park on the campus of the Johns Hopkins School of Medicine and Hospital. www.libd.org

Job Summary:

The candidate will work in the Ursini lab at the LIBD on projects aimed at studying the functional characterization of coding and noncoding transcripts using RNA interference, CRISPR-related techniques, and ChIRP. She/he will perform mainly wet lab work focusing on molecular biology techniques. Candidates must have a strong background in biology coursework and practical hands-on experience in laboratory.

Overview of Duties:

- Design experiment for the functional characterization of transcripts perform techniques including the following but not limited to:
 - nucleic acid extraction
 - PCR, RT-PCR, RACE-PCR,
 - RNA interference,
 - CRISPR and related techniques
 - ChIRP
 - Western Blotting
 - Cell culture and cell transfection
 - RNA sequencing
 - single cell RNA sequencing

Education, Skills and Experience:

A Bachelor's degree in molecular biology or a related field is required. A minimum of three years' previous laboratory experience, and familiarity with RNAi and CRISPR is required.

Additionally, the ideal candidate must have:

- Good communication skills, both verbal and written
- Excellent record keeping skills
- Ability to work in a collaborative scientific research environment as well as independently as needed
- Motivation to develop new research protocols to answer specific scientific questions.

To Apply:

Please email your resume with contact information for at least two professional references to jobs@libd.org with Research Associate in the subject line.

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.