



LIEBER INSTITUTE *for*
BRAIN DEVELOPMENT
MALTZ RESEARCH LABORATORIES

www.libd.org

Job Title: Research Associate / Staff Scientist – Environmental Genomics

A little about us:

The Lieber Institute for Brain Development was conceived from the realization that a new approach is needed to fully exploit the unprecedented scientific opportunities to accomplish the critical goal of helping affected individuals and their families. The Lieber Institute 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.

The Lieber Institute offers a generous benefits package which includes paid holidays, sick, personal and vacation time off.

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 cell cultures, RNA interference, and CRISPR-related techniques. They will perform mainly wet lab work focusing on molecular biology techniques and they will be involved in single cell RNAseq studies. 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

Minimum Qualifications (Mandatory):

Education: Bachelor's degree or higher in Molecular Biology or a related field is required.

Experience: minimum of 2 years previous laboratory experience is required and familiarity with RNAi and CRISPR is preferred.

Special Knowledge, Skills, and Abilities:

- 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: Interested applicants should submit a cover letter and resume with the subject line "Research Associate / Staff Scientist – Environmental Genomics".

Physical Requirements for Lab position:

- Remaining in a seated or standing position for extended periods of time;
- Reaching and grasping to manipulate objects with fingers;
- Mobility, including the ability to maneuver around a laboratory setting including the ability to move materials weighing up to 25 pounds;
- Communication skills using the spoken and written word;
- Having the ability to receive detailed information through oral communication;
- All other physical demands in a standard laboratory environment.

** If accommodations are needed due to pregnancy or a disability, please contact jobs@libd.org

EEOC Statement: At the Lieber Institute, we are committed to a work environment of mutual respect where employment decisions are based on merit. As an equal opportunity employer, the Lieber Institute does not discriminate in employment opportunities on the basis of race, color, religion, color, sex, gender identity/expression, sexual orientation, pregnancy, marital status, age, national origin or ancestry, citizenship, disability (physical or mental), genetic information, military service, or other non-merit based factors protected by state or federal law or local ordinance, with regard to any position or employment for which the applicant or employee is qualified.