

Research Associate: Sequencing Core

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:

Research Scientists at the Lieber Institute provide scientific functions in support of the mission of the Institute. This position focuses primarily on molecular biology techniques. Candidates must have a strong background in biology and have started their career in the laboratory field. This position also requires a basic knowledge of the principles behind the current techniques for sequencing RNA and DNA. The Research Associate works with Staff Scientists in order to execute and create experiments to further the next generation sequencing efforts of the work done at LIBD.

Duties and responsibilities:

Performs techniques in the lab such as, but not limited to: pipetting, solution creation, DNA and RNA extraction from cell lines and tissues, primer design, operation of liquid handling machines (PerkinElmer Sciclone), and operation of next generation sequencing machines (Illumina HiSeq 3000 and cBot, NextSeq and MiSeq).

Works with other scientists to develop and perfect new tools and techniques that enable new technologies and procedures to be validated and brought online.

Performs calculations required to run sequencing reactions. This requires a strong background in mathematical skills.

Professional and Education Requirements:

- B.S. in molecular biology or related field.
- Minimum of 3 years related laboratory experience is required
- Must have a strong background in mathematical skills
- Familiarity with next generation sequencing a plus!
- Must be able to work collaboratively with other research associates in the group as well as staff scientists.
- Strong communication skills, both verbal and written

Interested applicants should submit their resume to jobs@libd.org with the subject line “**Research Associate – Sequencing Core**”.