

NGS Research Associate

Foster City, CA, USA



Job Summary

We are seeking a highly motivated and detail-oriented **Next-Generation Sequencing Research Associate** to join our genomics research services team. The successful candidate will be responsible for preparing high-quality DNA and RNA sequencing libraries, operating and maintaining next-generation sequencing platforms, and ensuring the generation of high-quality sequencing data for a wide range of research projects. The ideal candidate will have a strong background in molecular biology, hands-on experience with Illumina sequencing workflows, and a commitment to accuracy, quality, and scientific excellence.

Responsibilities

- Prepare DNA and RNA sequencing libraries using established protocols.
- Operate, maintain, and troubleshoot Illumina sequencing platforms.
- Perform nucleic acid quantification, quality control, and library validation.
- Ensure accurate sample tracking and documentation throughout the sequencing workflow.
- Maintain laboratory equipment, inventory, and compliance with laboratory SOPs.
- Collaborate with cross-functional teams to ensure timely project completion and data delivery.
- Contribute to workflow optimization and implementation of new sequencing technologies and protocols.

Qualifications

- Bachelor's or master's degree in molecular biology, Genetics, Genomics or a related life sciences discipline.
- 2–3 years of hands-on experience in next-generation sequencing (NGS) workflows
- Demonstrated experience with nucleic acid extraction, quantification, quality control, and DNA/RNA library preparation for NGS.
- Experience operating and maintaining sequencing platforms is preferred.
- Experience with one or more of the following is a plus:
 - Bulk RNA-seq
 - Whole-genome, whole-exome, or targeted sequencing
 - Long-read sequencing (e.g., PacBio)
 - Single-cell and spatial transcriptomics workflows
- Strong laboratory documentation, organizational, and troubleshooting skills.
- Excellent attention to detail, time management, and communication skills.
- Ability to work independently while collaborating effectively in a fast-paced team environment.

Company Culture

- **Quality-Driven:** We take pride in scientific rigor and attention to detail.
- **Customer-focused:** Driven to deliver high-quality results with rapid turnaround times.
- **Reliability:** We take responsibility for our work and consistently deliver high-quality results.
- **Collaborative:** We work as one team, supporting each other to achieve shared goals.

- **Job Type:** Full-time
- **Pay:** \$70,000–\$80,000 per year, based on years of experience.
- **Benefits:**
 - 401(k)
 - Dental insurance
 - Health insurance
 - Paid time off
 - Referral program
 - Vision insurance
- **Schedule:** 8-hour shift
- **8-hour shift:** In person