



**About Us:** Quadrant Biosciences is a biotechnology company developing novel functional assessments and epigenetic biomarker technologies for neurological conditions including concussion, autism spectrum disorder, and Parkinson's disease. We collaborate with academic institutions, medical researchers, and engineers to translate breakthrough findings into clinically useful and scientifically sound assessment technologies. The research group is composed of teams of clinical researchers, laboratory scientists, bioinformaticians, biomedical engineers, and data scientists. Advancements developed by Quadrant Biosciences have a significant impact on clinical practice and diagnosis of neurological conditions. Our technology focuses on human and microbial gene activity using next-generation RNA-sequencing and machine learning for biomarker discovery and validation.

**Position Offered: Senior Scientist, Next Generation Sequencing.** Quadrant Biosciences is seeking an experienced Senior Scientist with expertise in Next Generation Sequencing (NGS) to support various R&D and clinical projects. The successful candidate will execute complex molecular biology protocols, specifically RNA-seq library preparation, operation and maintenance of sequencing instrumentation, and nucleic acid quality assessment. The Senior Scientist will work closely with members of the clinical/bioinformatics research team to ensure proper execution of SOPs for the generation of high quality, reproducible data, timely delivery of results, and effective use of an online data management system for sample tracking and laboratory documentation.

**Education:** MS in molecular biology, biochemistry, biology, genetics/genomics, or related fields with a minimum of three years of NGS experience.

**Requirements:**

- High-level understanding of NGS analysis pipeline setup and execution.
- Must be able to understand NGS experimental design and quality control metrics.
- Advise on potential process improvements, implement new protocols to leverage emerging technologies
- Advanced understanding of NGS platforms, specifically Illumina platforms, with the ability to maintain & troubleshoot NGS and related platforms.
- Expertise with basic molecular biology techniques (i.e., PCR, and qPCR) as well as nucleic acid extraction and analysis techniques (i.e., bioanalyzer, fragment analyzer, etc.).
- Ability to coordinate tasks across multiple projects, demonstrating prioritization and planning.
- Strong communication skills and able to thrive in a fast-paced environment



**Contact:** Please send cover letter and resume to [careers@quadrantbiosciences.com](mailto:careers@quadrantbiosciences.com)