



SENIOR SCIENTIST, QUADRANT BIOSCIENCES

Department: Clinical Research

Reports to: Executive Vice President of Clinical Research

COMPANY

This is a fantastic opportunity to join a rapidly growing biotech company. Quadrant Biosciences works with top academic institutions, medical researchers and engineers to translate breakthrough findings into thoughtfully developed, scientifically sound applications. Our technology includes functional assessments and epigenetic biomarkers for neurological conditions such as concussion, autism spectrum disorder, and Parkinson's disease. Quadrant Biosciences was recently highlighted on CNN, NPR, Bloomberg, and Huffington Post for its groundbreaking work.

JOB SCOPE

Quadrant Biosciences is seeking an experienced Senior Scientist with expertise in Next Generation Sequencing (NGS) to support various R&D and clinical projects.

Responsibilities include but not limited to:

- Execute complex molecular biology protocols, specifically RNA-seq library preparation, operation and maintenance of sequencing instrumentation, and nucleic acid quality assessment.
- 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.
- Advise on potential process improvements, implement new protocols to leverage emerging technologies.

KNOWLEDGE, SKILLS AND ABILITIES

- High-level understanding of NGS analysis pipeline setup and execution.
- Able to understand NGS experimental design and quality control metrics.
- 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.

WORK ENVIRONMENTS AND HAZARDS

- Exposure to communicable diseases, toxic substances and other conditions common to a laboratory environment.

PHYSICAL DEMANDS

- Requires prolonged standing, some walking and sitting, some bending, stooping and stretching, eye-hand coordination and manual dexterity, ability to distinguish letters, numbers and symbols, use of computerized instruments, computer terminals, and other equipment common to a clinical laboratory. May require lifting up to 30 pounds or more.

QUALIFICATIONS

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

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This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.