

Research Scientist

The Research and Productivity Council (RPC) is New Brunswick's provincial research organization, a research & technology organization that offers analytical and applied research services. In business since 1962, we serve over 1000 clients annually from our locations in Fredericton and Moncton, NB. RPC offers a challenging work environment with the opportunity to work on leading edge science.

We are recruiting to fill a position for a **Research Scientist**. This position will be located at our Fredericton location and will report to RPC's Director of Research and Controlled Substances.

POSITION DESCRIPTION

The Research Scientist will be responsible for multidisciplinary applied research and development projects and will leverage their strong bioscience background and technical skills. The candidate will conduct method development and validation experiments to aid in new service development, prepare and submit validation packages for accreditation, assist with research projects and lab operations, and help troubleshoot technical challenges. Working closely with RPC's Applied and Experimental Bioscience team, the Research Scientist will tackle projects such as the development of rapid molecular detection of parasites of oysters (*Crassostrea virginica*) and single-cell whole genome sequencing.

REQUIREMENTS

- Ph.D. in Microbiology, Virology, Parasitology, Biochemistry, Immunology, Genetics/Genomics, Molecular Biology, Bioinformatics, or Biology or other related discipline
- Experience working in a Containment Level 2 laboratory and/or diagnostic laboratory
- 2+ years of experience in an industrial setting with applied molecular techniques such as real-time PCR, Quant Studio Absolute Q Digital PCR System, cell sorting, single cell library generation and/or DNA sequencing or in areas such as genomics, transcriptomics of aquatic/terrestrial emerging pathogens
- Familiarity with ISO/IEC 17025 and strong understanding of laboratory QA/QC and electronic data handling.
- Experience writing SOPs, comprehensive method validation reports and research reports
- Experience in modification, adaptation and validation of analytical methodologies
- Experience in analyzing and interpreting complex scientific or technical data, conducting statistical analysis, literature searching, or information gathering, and providing scientific/technical expertise or recommendations on a diverse array of projects
- An aptitude for working effectively in a fast-paced and technically challenging environment

THE FOLLOWING WOULD BE CONSIDERED ASSETS

- Familiarity with NGS datasets (Illumina) and/or long reads sequencing (Oxford Nanopore/PacBio)
- Able to work independently as well as within a team setting
- Organization, initiative, and attention to detail are highly desirable
- Experience working with clients in a contract lab setting
- Strong written and oral skills
- Proficient in English and French

This is a full-time, on-site position. Hours of work are 8:15 to 4:30 Monday thru Friday. Compensation to be commensurate with education and experience. RPC offers a generous employee benefit plan including a defined benefit pension plan, Top Up for maternity leave, wellness rebates, paid leave, and more.

To apply please send your cover letter and resume to careers@rpc.ca referencing competition **#RS0125** on or before **February 14, 2025**.

*Review of applications will begin **as soon as possible** and will proceed until a suitable candidate is identified. Only those applicants chosen for an interview will be contacted.*

RPC is committed to the principle of employment equity and diversity.

