

# Research Technologist

## The Organization:

The **Centre for Environmental Genomics Applications (CEGA)** is a young, fast-paced, and quickly growing independent research centre that is focused on developing environmental DNA technologies to support new, world-leading environmental assessment and monitoring programs. We are dedicated to improving the environmental stewardship of our oceans and supporting the world's ocean industries, including offshore energy, fisheries, and aquaculture. CEGA is located in St. John's, NL, Canada.

CEGA is the first of its kind, a research facility dedicated to the application of genomics for environmental characterization and monitoring.

## The Position:

We are looking for a **Research Technologist** to join our interdisciplinary team and support the genomics group. The genomics group focuses on processing environmental samples, preparing samples for sequencing using state-of-the-art next-generation DNA sequencers, and maintaining quality control throughout the lab process. The Research Technologist would work with the lab team to provide support across all of these activities.

## Responsibilities:

### Processing Environmental Samples

- Filter and subsample environmental samples in a DNA "clean room"
- Perform DNA extractions

### DNA Analysis

- Perform end point and quantitative PCR
- Conduct sample quality control and assurance checks
- Prepare aliquots and reagents
- Assist with library preparation for DNA sequencing

### Quality Control & Lab Maintenance

- Maintain detailed lab records and follow sample inventory management protocols
- Support implementation of LIMS
- Perform equipment maintenance and troubleshooting as needed
- Assist with maintaining eDNAtec/CEGA's Quality Management System (ISO 9001:2015) and Laboratory Safety Program including drafting standardized protocols
- Help track lab supply usage and perform supply inventories

## Skills & Qualifications:

- Knowledge of basic molecular biology concepts and genomic analysis techniques, and proficiency with common laboratory methods (e.g., DNA extractions, PCR), demonstrated by a diploma or degree in biology, molecular biology, microbiology, or associated field AND/OR 1-3 years of relevant work/research experience.
- Experience following Good Microbiological Practices or similar sterile sample handling.
- Fluent in the use of standard Microsoft Office software including Excel and Word. Preference will be given to candidates with database management experience.
- Excellent attention to detail and ability to follow standard operating procedures in a DNA “clean room” environment.
- Ability to work well independently and as part of a team
- Strong oral and written communication skills
- Organization and time management skills to balance working on multiple projects and meeting deadlines

**Eligibility:** Pre-approval for Eco Canada’s Science Horizons Youth Internship and/or Youth in Natural Resources Program or meeting the requirements for these funding programs is preferred. More information about these programs can be found [here](#).

**Position Type: Temporary, 1 year**

**Compensation: \$39,000 - 45,000**

**How to Apply:** Please send a cover letter and resume to [hr@ednatec.com](mailto:hr@ednatec.com) .

*While CEGA would like to thank all applicants, only candidates considered for an interview will be contacted.*