

Job Title: Junior Bioinformatician

The Organization:

eDNATec Inc. is a young, fast-paced, and quickly growing Canadian company developing **environmental DNA technologies** to support new, world-leading biodiversity assessment and monitoring programs. We are dedicated to improving environmental stewardship by supporting industry and regulators with critical ecosystem data to manage environmental impacts and allow for sustainable development.

The **Centre for Environmental Genomics Applications (CEGA)**, located in St. John's, NL, is eDNATec's core facility. Scientists with diverse backgrounds work together to produce high quality data for international clients and support technology development. Come join us at the leading edge!

The Position:

We are seeking a Junior Bioinformatician to join our team at CEGA. This role will support our bioinformatics efforts in converting raw DNA sequencing data into results suitable for downstream ecological analyses. The successful candidate will work closely with our Lead Bioinformatician and contribute to various aspects of our data analysis pipeline.

Responsibilities:

- Assist in writing, maintaining, and utilizing tools for processing raw DNA sequencing data
- Support the implementation of industry-standard best practices for script-based pipelines and reproducible data analysis
- Contribute to bioinformatics research projects that enhance the utility of environmental genomics data
- Help with downstream analyses and interpretation of environmental genomics data
- Assist in the development of customized analyses and visualizations to support laboratory R&D initiatives
- Contribute to the design of visually appealing websites, web apps, and/or dashboards for genomics data visualization
- Support scientific communication efforts, including contributions to manuscripts, reports, and presentations

Qualifications:

- BSc in Bioinformatics, Computer Science, or a related computational discipline
- Basic understanding of next-generation sequencing data analysis
- Proficiency in programming languages commonly used in bioinformatics (e.g., Python, R)
- Familiarity with shell scripting and basic command-line tools
- Knowledge of statistical methods applied to biological data
- Basic understanding of version control systems (e.g., Git)
- Strong problem-solving skills and attention to detail

- Excellent communication skills, both oral and written
- Ability to work collaboratively in a team environment

Preferred Qualifications:

- Experience with high-performance computing environments
- Familiarity with workflow/pipeline management systems (e.g., NextFlow, SnakeMake)
- Basic knowledge of containerization technologies (e.g., Docker)
- Experience with web development using modern JavaScript frameworks (e.g., React, Vue)

What CEGA offers:

CEGA is driven by a passionate team revolutionizing the way we monitor our environment. This permanent, full-time position gives the opportunity to join our dedicated team working on innovative and impactful projects with great opportunities for professional development. This position includes a competitive salary (based on experience), a comprehensive benefits package, paid vacation time, company-sponsored employee-led social events, and RRSP matching.

Work Location:

St. John's, NL

About St. John's, Newfoundland:

The historic city of St. John's is situated on the eastern shore of the island of Newfoundland. Ocean views, rugged wilderness, and an urban core are all within walking distance. St. John's offers a vibrant community with a diverse arts scene and numerous world-class restaurants. Check out the city of St. John's information page for newcomers to learn more about moving to our beautiful city!

<https://www.stjohns.ca/en/living-in-st-johns/living-in-st-johns.aspx>

How to Apply:

Please submit a cover letter and resume to hr@ednatec.com

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