

Wastewater Monitoring Technician

Description

The Biology Department at St. Francis Xavier University (Antigonish, Nova Scotia) is seeking a research technician to conduct weekly monitoring of pathogens in wastewater. As part of a province-wide project with several Nova Scotian universities, we will be applying a newly developed protocol that effectively and safely detects specific pathogens in wastewater. All work will be conducted in Antigonish, an on-the-job training for the sampling and measurement protocols will be provided.

Position Details

\$20/hr, 37.5 hours/week, 30 weeks

Start date: early Jan 2021; End date: end July 2021 (tentative)

Review of applications will begin on January 4, 2021 and will continue until the position is filled. Applicants should send their resume, a 1-page cover letter, and the contact information (emails) of two references to rwyth@stfx.ca. Position subject to final budgetary approval.

Duties and responsibilities

- materials and equipment management
- wastewater sampling
- RNA isolation and quantification
- biohazardous waste disposal
- data reporting

Knowledge and skills

Essential knowledge and skills

- research experience
- ability to work independently and as part a team
- meticulous organization
- time management
- effective oral and written communication
- proficiency in learning laboratory protocols

Desirable knowledge and skills:

- reading and summarizing scientific literature
- fluid handling with pipettes
- good microbiology practice (e.g. aseptic technique, chemical and physical decontamination)
- molecular biology techniques (e.g. RNA extractions, PCR)

Education required

Bachelor of Science

Certifications required

- Workplace Hazardous Materials Information System (WHMIS) or Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- Biosafety

Note: certifications can be acquired on-the-job