

Job Posting: 4178 - Position: Co-op Bioinformatics Research Technician

Co-op Work Term Posted:	Summer
Application Deadline	01/28 11:59 PM
Application Method:	Career Bridge
Posting Goes Live:	01/22 2:58 PM
Job Posting Status:	Expired

Company Information

Organization	Public Health Agency of Canada
Salutation	Dr.
Job Contact First Name	John
Job Contact Last Name	Doe
Address Line One	c/o CFIA Building
Address Line Two	Township Rd 0-0, Box 123
City	Lethbridge
Province / State	Alberta
Postal Code / Zip Code	T1K 3M4
Country	Canada

Job Posting Information

Term Posted	Summer
Job Title	Co-op Bioinformatics Research Technician
Duration	4 Months
Job Location	Lethbridge, AB
Job Description	

Duties

Reporting to a Research Scientist in the National Microbiology Laboratory, Public Health Agency of Canada in Lethbridge. This highly-motivated individual participates in the development of predictive genomics tools for the analyses of extremely large datasets (genome sequence data) using statistical and machine learning techniques. Duties include: development and testing of machine learning models (support vector machines, random forests, artificial neural networks); programming in Python and / or other programming languages; use of existing programs for data analyses; integrating into an existing team and codebase; performance of other related duties.

Job Requirements

Skill Requirement

Education: Completion of two years of University Education with completed classes in Computer

Science required, with additional classes from Statistics, Evolutionary Biology, Microbiology, Molecular Biology preferred.

Experience: Previous work experience in computer science or statistics preferred; work experience in microbiology and/or molecular biology a welcome addition.

Knowledge: of programming languages such as Python, Perl, C, C++, or Java; preference given to those with knowledge of basic principles of statistical methods and evolutionary biology; of laboratory safety procedures.

Abilities and Skills: strong organizational skills, ability to follow written and oral instructions; ability to observe and record experimental results; ability to prepare reports on experimental studies; ability to work independently; **ability to program in at least one computer language.** You should possess: reliability, initiative, good judgement and integrity.

YOU MUST BE A CANADIAN CITIZEN TO APPLY FOR THIS POSITION.

Preferred Academic Level	Undergraduate
All Programs	No
Targeted Degrees and Disciplines	Bachelor of Science (BSC) Applied Statistics Biochemistry Biological Sciences Computer Science BSc General Major - Science
Projected Start Date	May 01 12:00 AM
Projected End Date	August 31 12:00 AM

Application Information

Additional Application Information

Salary

Possession of a valid driver's license and access to a vehicle preferred. Competitive salary, based on education, experience and work terms completed. Staffing of the position is contingent on upon obtaining a security clearance and the availability of funds.