

Job Posting: 4360 - Position: Molecular Genetics Research Student

Co-op Work Term Posted:	Summer
Application Deadline	02/07 11:59 PM
Application Method:	Career Bridge
Posting Goes Live:	01/24 6:04 PM
Job Posting Status:	Approved

Company Information

Organization	Agriculture & Agri-Food Canada
Salutation	Ms.
Job Contact First Name	Jane
Job Contact Last Name	Doe
Contact Title	IS/Human Resources Coordinator
Address Line One	Brandon Research Centre
Address Line Two	1234 Grand Valley Road
City	Brandon
Province / State	Manitoba
Postal Code / Zip Code	T1K 3M4
Country	Canada

Job Posting Information

Term Posted	Summer
Job Title	Molecular Genetics Research Student
Employer Competition / Job Posting Number	006/2018-BRDC
Duration	8 Months
Job Location	Brandon, MB
Job Description	

Work location: Brandon Research & Development Centre, Brandon, Manitoba

Organization: Agriculture & Agri-Food Canada

For further information on the organization/program, please visit
AGRICULTURE & AGRI-FOOD CANADA

Job Description: Agriculture and Agri-Food Canada (AAFC) is seeking motivated and innovative students to work in Canada's Agriculture and Agri-Food sector. The Student will work as part of a multidisciplinary team to:

- Prepare buffers and samples for molecular, biochemical and/or histochemical analysis
- Perform nucleic acid extraction, quantification, and dilution for downstream analysis
- Perform molecular marker analysis using techniques such as but not limited to polymerase chain

reaction, electrophoresis, TaqMan, KASP, and HRM

- Create protocol documents and data analysis reports for scientists
- Maintain & updating daily logs of activities
- Perform basic laboratory duties such as autoclaving and additional duties as assigned by the laboratory supervisor
- Prepare bags, containers, labels and materials for collection of samples
- Plant and sample plant materials from greenhouse and field
- Assist and/or take notes and make observations on plant material in the greenhouse and field
- Support Barley Breeding Groups in Laboratory, Greenhouse and Field Settings

Hours of work: Monday – Friday 8:00 to 4:00 – 37.5 hours per week/7.5 hours per day

Work conditions: Lab work involves to stand for part/most of working day, handle various chemicals and sharing the working space with other lab users. Field work involves working in harsh environments (outdoors, cold, hot, dust, rain and noise), including presence of irritants such as dust, pollen and spores, insects. May be required to perform physically demanding work activities including moderate to heavy manual labour requiring bending and lifting heavy objects (up to 10kg).

Job Requirements

Specializations: Molecular Biology, Plant Science

Language Requirement: English Essential

Skills:

- Highly motivated with the ability to work independently
- Strong organization and time management skills
- Strong written and oral communication skills
- Knowledge of molecular tools (thermocycler, centrifuge, etc.), and techniques (PCR based molecular markers)
- Ability to accurately gather data using biochemical tools (eg. spectrophotometer), and techniques (eg. chlorophyll measurements)

To be eligible for the Post-secondary Co-op/Internship Programs, you must:

- Have full-time student status by the academic institution in which you are presently enrolled; and
- Be enrolled in a PSC approved Co-op/Internship program.

Citizenship

Preference will be given to Canadian Citizens (see definitions below)

- A **Canadian citizen** is a person who is **Canadian** by birth or who has applied for **Canadian citizenship** through **Citizenship and Immigration Canada** and has received a **citizenship** certificate.
- A **permanent resident** is someone who has been given **permanent resident** status by immigrating to **Canada**, but is not a **Canadian** citizen.

- A **Canadian work permit** is a temporary resident **visa** issued by Citizenship and Immigration **Canada** to grant permission to foreign workers seeking to engage in employment in **Canada**.
- A **study permit** is a document that gives you permission to **study** and remain in **Canada** on a temporary basis.

Other Important Requirements:

- Known allergies must be controlled through use of protective mask and/or medication and must not impinge on tasks to be performed
- Valid Provincial drivers licence
- Ability to work outside in varying weather conditions
- Must be able to walk, bend and stand for part/most of working day
- Willingness and ability to travel to Research Plots if necessary

Information

Please be aware that the Brandon Research Centre does not have public transportation access to the facilities nor housing accommodations (housing is hard to find), so you will be required to find a place to live in and transportation to the Centre.

Preferred Academic Level	Undergraduate
All Programs	No
Targeted Degrees and Disciplines	Bachelor of Science (BSC) Agricultural Biotechnology Agricultural Studies Biochemistry Chemistry Environmental Science General Major - Science Geography
Projected Start Date	May 01 12:00 AM
Projected End Date	December 28 12:00 AM

Application Information

Additional Application Information

CONDITIONS OF EMPLOYMENT

Reliability Security Clearance – the Successful Candidate will be required to obtain a Federal Security Clearance.