



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Name of Position – Wheat Genetics Research Student (COOP) – 003/2020-Wheat_Oat

Number of Jobs Being Offered: 1

**Duration of employment: Full-time 01 May 2020 to 31 December 2020 (8 Months)
Should positions not be filled by 8 Month terms – 4 Month terms will be offered.**

Deadline: 15 February 2020

Work location: Brandon Research and 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 analysis
- DNA extraction, quantification, and dilution for downstream analysis.
- Perform molecular marker analysis using techniques such as but not limited to polymerase chain reaction, electrophoresis, and KASPar.
- Recording and analyzing data.
- Maintaining & updating daily logs of activities
- Basic laboratory duties such as autoclaving and additional duties as assigned by the laboratory supervisor.
- Preparing tubes, containers, labels and materials for collection of samples.
- Planting and sampling plant materials from growth chambers and greenhouses.
- Will participate in genetic mapping of high value trait in wheat and/or oat.

Hourly rates of pay: Current Rates of Pay as per Treasury Board Secretariat Student Rates of Pay.

College Year 1: \$13.69

University Year 1: \$14.43

College Year 2: \$15.40

University Year 2: \$16.49

College Year 3: \$17.31

University Year 3: \$18.91

University Year 4: \$20.19

University Year 5: \$21.64

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

Language Requirement: English Essential

Essential:

- 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)

Assets

- Experience with molecular tools (thermocycler, centrifuge etc), and techniques (PCR based molecular markers)

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).

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.

<https://www5.psc-cfp.gc.ca/coop/noitcanoitutsnimargorphraes.do>

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.

Please submit by email to:

Santosh Kumar

Research Scientist

Brandon Research and Development Centre

santosh.kumar@canada.ca

204-578-6693

- cover letter,
- resume
- proof of COOP Status
- **Job poster ID: Wheat Genetics Research Student (COOP) – 003/2020-Wheat_Oat**

CONDITIONS OF EMPLOYMENT

Reliability Security Clearance

- ❖ 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). You will be required to find a place to live and transportation to the Centre.

You will be required to pay your own relocation.

<https://www.google.ca/maps/place/2701+Grand+Valley+Rd,+Brandon,+MB+R7C+1A1/@49.8686523,-99.9902188,15z/data=!4m2!3m1!1s0x52e7977d2e32a4bd:0x74ea41930321a418>