



PARTTIME WHEAT SCREENING POSITION

Contact and Supervisor:

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There is a parttime technical research position focusing on phenotyping and screening for drought and heat tolerance in spring wheat. The review of applications will begin as documentation is received, and will continue until the position is filled.

Timeline for this job position:

This position will span over six to nine months depending in part on applicant's availability.

Start date: as early as June 1st 2023 (September 1st 2023 at the latest)

End date: end of November 2023, or end of February 2024.

Salary for this job position:

A total available salary for this parttime technical research position of CAD 35,000.

Location for this job position:

North Campus in Earth Sciences Building.

Responsibilities and Goals:

- To phenotype and screen at least 100 spring wheat cultivars registered in Canada over the past 20 years for drought tolerance and water use efficiency (WUE) characteristics. Replicated experiments will be done in controlled environments (e.g., glasshouse) where watering and thermal treatments can be systematically tested.
- To benefit wheat industries and farmers by providing performance data from existing and advanced wheat germplasm under optimal or thermal conditions for greater confidence in varietal selection for yield and grain protein quality.
- To analyse, summarize, interpret and report experimental results emerging from this work directly with the project supervisor and principal investigator (i.e., Hernandez Ramirez).
- To collaboratively contribute expert opinion within the wider team on phenotype and screening of drought tolerance of wheat while applying all safety protocols at the workplace.

We welcome documentation from any applicant with strong work ethics and decisive interest in this research subject. Suitable candidates will have relevant degree(s) aligned with the position topic such as abiotic stress, plant physiology and breeding as well as comprehensive understanding of annual cropping systems in emphasis in spring wheat.

Interested candidates can submit a CV, a short letter describing their previous work, experience, availability and interests (1-page limit), and the names and contact information of two references to the e-mail ghernand@ualberta.ca

Review of applications will start as they arrive or as early as May 23rd