

Postdoctoral Researcher Position in Computational Dry Bean Breeding

Department: Plant Agriculture, Ontario Agricultural College (OAC), University of Guelph

Salary: 55,000 - 60,000 CAD per year plus benefits (negotiable)

Our interdisciplinary and dynamic research team at the Dry Bean Breeding and Computational Biology Lab is seeking a highly motivated and talented postdoctoral researcher. We focus on developing cutting-edge approaches to accelerate the dry bean breeding process using multi-omics, along with novel computational tools and methods to enhance data interpretation.



Responsibilities:

- Handle and analyze large and complex datasets, developing solutions for improved analysis.
- Collaborate with ongoing projects and experts in bioinformatics, plant physiology, and breeding.
- Fine tuning and developing available large language models (LLMs) such as GPT and BERT.
- Conduct indoor/outdoor experiments and manage wet lab studies in phenomics, genomics, and transcriptomics.
- Write and publish academic papers and present findings at conferences.

Qualifications:

- Open to Canadian citizens, permanent residents, and individuals with a valid work permit.
- PhD in Computational Biology, Bioinformatics, Plant Breeding, Molecular Biology, or a related field.
- Strong knowledge and experience in computational biology, and bioinformatics.
- Proficiency in R, Bash, and Python.
- Excellent analytical and communication skills.
- Ability to work independently and collaboratively within a research team.

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Interested candidates should email the following materials to myoosefz@uoguelph.ca with the subject line "**PostDoc – YOUR NAME**":

- A cover letter specifying the position of interest and detailing relevant qualifications and research interests.
- Curriculum Vitae (CV).
- GitHub profile.
- Contact information for three references.

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

The University of Guelph is committed to equity, diversity, and inclusion and encourages applicants from underrepresented groups to apply. We look forward to welcoming enthusiastic and dedicated individuals to our research team.