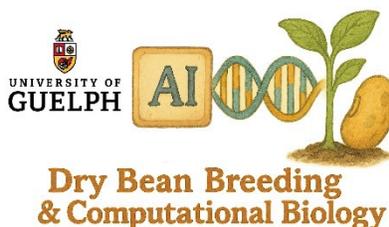


## Dry Bean Breeding & Computational Biology

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



The Dry Bean Breeding & Computational Biology Lab at the University of Guelph invites applications for a Full-Time Laboratory Technician.

Our lab focuses on integrating genomics, phenomics, and computational biology to accelerate dry bean breeding, with special emphasis on disease resistance, seed quality, and advanced selection methods. We work closely with national and international collaborators and maintain strong links with breeding programs and industry partners.

**For more information, please visit our website:**

<https://uogbeans.com/>

**To learn more about our work, please follow us on:**

**X (Twitter):** <https://x.com/UoGDryBean>

**YouTube:** <https://www.youtube.com/@UofGBeanTube>



**University of Guelph**

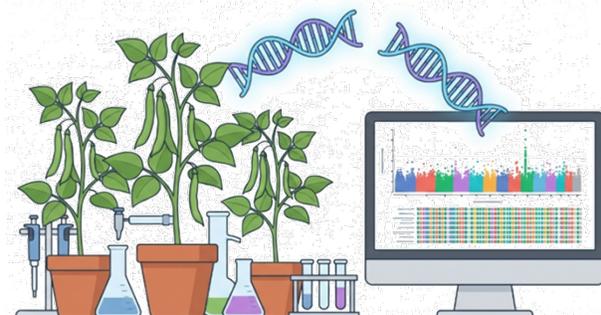
Crop Science Building, Department of Plant Agriculture  
50 Stone Road East  
Guelph, Ontario, Canada N1G 2W1  
(519) 824-4120 x53388  
myoosefz@uoguelph.ca  
[uoguelph.ca](http://uoguelph.ca)

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## Full-Time Lab Technician (Molecular Biology & Genetics)

### Position Overview

We are seeking a full-time Laboratory Technician with strong expertise in molecular biology and molecular analysis to join a dynamic and highly active research environment. This position is ideal for an individual who is passionate about hands-on laboratory work, supporting large-scale molecular analyses, and contributing to cutting-edge genetics and genomics research in dry bean breeding and the computational biology area. The successful candidate will play a central role in maintaining laboratory operations, running molecular experiments, supporting students, and contributing to data analysis and scientific reporting. Flexibility to work across laboratory, field, greenhouse, and growth chamber environments is required.



### Key Responsibilities

- Organize, maintain, and manage daily laboratory operations
- Ensure compliance with laboratory safety regulations and standard operating procedures
- Manage laboratory inventory, supplies, and ordering
- Conduct high-throughput molecular analyses, including but not limited to:
  - DNA and RNA extraction
  - PCR and qPCR
  - Genotyping and testing of diverse molecular markers
  - Handling large numbers of genotypes
- Perform data analysis related to DNA, RNA, and molecular marker datasets
- Assist with genome-wide association studies (GWAS) and other molecular analyses
- Prepare detailed laboratory reports and maintain accurate experimental records
- Provide hands-on support and training to undergraduate and graduate students in laboratory techniques
- Assist with sample processing and data collection from field, greenhouse, and growth chamber experiments
- Contribute to scientific writing, including reports, manuscripts, and grant-related documentation (optional but encouraged)

### University of Guelph

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### Required Qualifications

- Master's degree in Molecular Genetics, Systems Biology, Molecular Biology, or a closely related field
- Demonstrated strong expertise in molecular laboratory techniques
- Proven experience in managing and maintaining a research laboratory
- Strong organizational skills and attention to detail
- Experience with molecular data analysis
- Ability to work independently and as part of a collaborative research team

### Preferred Assets

- Experience with GWAS and advanced molecular data analyses
- Familiarity with bioinformatics tools and data analysis pipelines
- Experience working in plant genetics, breeding, or genomics research environments

This position is open to candidates with valid Canadian work authorization, including Canadian citizens, Permanent residents, and Holders of an open work permit.

### Application Process

Interested candidates should email the following materials to [myoosefz@uoguelph.ca](mailto:myoosefz@uoguelph.ca) with the subject line: "**LabTech – YOUR NAME**" no later than **March 31<sup>st</sup>, 2026**.

- Curriculum vitae (CV)
- Cover letter
- Contact information for three professional references

**Due to the high volume of applications, only shortlisted candidates will be contacted for further consideration.**

### Equity and Inclusion

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 strongly encourages applications from individuals from underrepresented groups. We look forward to welcoming enthusiastic and dedicated students to our research team and supporting their professional and academic development.

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