

## Graduate Position Available: Crop Genomics and Molecular Biology

A MSc/PhD graduate student position to study cold tolerance in wheat is available immediately. This is a cross college appointment in the labs of Dr. Joseph Colasanti (Dept. of Molecular and Cellular Biology; [www.uoguelph.ca/~jcolasan/index.html](http://www.uoguelph.ca/~jcolasan/index.html)) and Dr. Ali Navabi (Plant Agriculture Dept.; [www.plant.uoguelph.ca/anavabi](http://www.plant.uoguelph.ca/anavabi)). This NSERC-funded project integrates genome wide association studies (GWAS), gene expression through RNA sequencing and plant physiological analysis to study the molecular mechanisms underlying cold tolerance in wheat.

Independent and self-motivated applicants interested in improving crop productivity by using genomics tools are encouraged to apply.

A fundamental understanding of molecular biology is required. Past laboratory experience (undergraduate research project, volunteering or similar) and familiarity with plant physiology, management of large data sets, bioinformatics and elementary coding is an asset.

The successful candidate will join a multidisciplinary group of researchers focused on exploring the molecular basis of cold stress tolerance in important Canadian crop varieties.

To learn more about this project and the application process, contact Dr. Joseph Colasanti ([jcolasan@uoguelph.ca](mailto:jcolasan@uoguelph.ca)) or Dr. Ali Navabi ([anavabi@uoguelph.ca](mailto:anavabi@uoguelph.ca)).