

Graduate Students (PhD and/or Master)
Agriculture and Agri-Food Canada-Carleton University, Ottawa, ON

Multiple graduate studentships (PhD preferably) are available in the laboratory of Dr. Bahram Samanfar at Ottawa research and Development Centre, AAFC (Registration will be at Department of Biology, Carleton University).

Dr. Samanfar's group is interested in:

- Studying soybean functional genomics and transcriptomics (RNA-sequencing) with specific focus on seed protein content, QTL mining, novel gene discovery and allele-specific marker developments.
- studying soybean functional genomics with specific focus on resistance to SCN
- studying Lupin functional genomics with specific focus on mapping and GWAS

Basic Requirement

- MSc candidates must hold a Bachelor of Science degree in a relevant field (e.g. Molecular Biology, Molecular Genetics, Biochemistry, life Science or computational Biology) from a recognized institute with a minimum of A- (80%) average overall
- PhD candidates must hold a thesis-based Master of Science degree in a relevant field (e.g. Molecular Biology, Molecular Genetics, Biochemistry, or life Science) from a recognized institute with a minimum of A- (80%) average overall.

We are looking for a friendly, organized team player with interest in research, who is highly self-motivated, is able to work independently, has excellent written and oral communication skills and has demonstrated excellence at the academic level and in research. Strong problem-solving skills are highly desired. A combination of the following laboratory skills would be beneficial: RNA-sequencing, transcriptomics data analysis, experience in general molecular biology practices dealing with DNA, RNA, and Protein, genomics, proteomics, plant cell biology and molecular mapping, and Bioinformatics knowledge will be an asset.

Carleton University MSC and PhD program in Biological Science are research-based thesis programs. These programs provide advanced disciplinary learning and hands-on, interdisciplinary research in biological science. For more information as well as admission requirements please see:

<https://carleton.ca/biology/current-students/graduate/>

Additionally, eligible candidate are required to apply and to meet the requirements for the Research Affiliate Program (RAP). For more information as well as admission requirements please see:

<https://www.canada.ca/en/public-service-commission/services/staffing-assessment-tools-resources/human-resources-specialists-hiring-managers/recruitment-options-managers/student-recruitment/research-affiliate-program.html>

Individuals who are interested in the position should submit a cover letter, curriculum vitae, copy of official transcripts, statement of research interest, as well as a list of three references by email (in a single PDF file) to the attention of Dr. Bahram Samanfar, Ottawa Research and Development Centre (AAFC-Ottawa RDC), Bahram.samanfar@agr.gc.ca

Deadline for the application is **July 31st**, but, applications will be considered until the positions are filled. We thank all applicants for their interest; however only those candidates selected for interviews will be contacted. All qualified candidates are encouraged to apply ; however, Canadian citizens and permanent residents will be given priority.