



Assistant Professor, Plant Systems Biology

Department of Biology, Faculty of Science

The Department of Biology invites applications for a tenure-track professorial-stream appointment in Plant Systems Biology at the Assistant Professor level, to commence July 1, 2019. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval.

Traditional biological research has used reductionist methodologies to investigate and understand the network of genes, proteins, and metabolites within a cell and with the cell's external environment. Systems biology is the new and emerging field that takes a holistic approach integrating “omic” research (genomic, transcriptomic, proteomic, metabolomic, lipidomic, etc.) with computational and mathematical modeling to explore the complex interaction of biological processes at a cellular, tissue or organismal level. The successful candidate will have research experience and expertise in the fields of plant molecular biology, cell biology or physiology coupled with using bioinformatic techniques on large data sets.

The successful candidate will have a Ph.D. in Biology or a related discipline, postdoctoral experience, an outstanding research record, demonstrated excellence or promise of excellence in teaching and scholarly research, and will be expected to develop an innovative independent research program. The successful candidate must be eligible for prompt appointment to the Faculty of Graduate Studies and will be expected to teach both undergraduate and graduate level courses at the department in the areas of plant biology, bioinformatics, and systems biology. Pedagogical innovation in high priority areas such as experiential education and technology enhanced learning is preferred.

Further information about the Department of Biology in the Faculty of Science can be found at <http://science.yorku.ca/biology>.

The deadline for receipt of completed applications is **December 1, 2018**. Applicants should email their curriculum vitae, an outline of research plans, a statement of teaching philosophy and experience, and copies of three publications to biojobs@yorku.ca, and arrange for three signed reference letters to be sent to the same email address.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to Aboriginal people, visible minorities, people with disabilities, and women, can be found at www.yorku.ca/acadjobs or by calling the AA line at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples in Canada will be given priority.

Applicants wishing to self-identify can do so by downloading, completing and submitting the forms found at: <http://acadjobs.info.yorku.ca/>. Please select the Affirmative Action tab under which forms pertaining to Citizenship and AA can be found.