

Postdoctoral Research Fellow in Dairy Microbiology

Principal supervisor : Gisèle LaPointe
Department of Food Science
Ontario Agricultural College

Qualifications :

- PhD in Food/Dairy Microbiology or related field;
- Excellent written and oral communication skills;
- Ability to work effectively in a multidisciplinary team with partners from both industry

This is an opportunity to join a new dairy microbiology group funded by the Dairy Farmers of Ontario. The ideal candidate will have a Ph.D. and experience in the field of dairy science with an understanding of the physical, biochemical and microbiological principles in relation to dairy and/or food systems. You will contribute to the writing of grant proposals through literature review and design of innovative approaches to improving the quality and health applications of dairy products. Potential research areas include dairy fermentations (starter cultures, yeast, molds), flavor and texture development in fermented dairy products; developing health promoting properties and fermentation processes which will improve dairy sustainability by adding value to co-products. The research program will interface with related disciplines such as microbiology, molecular biology and genetics, as well as animal and nutritional sciences. Some examples of desirable approaches are metabolomics and metagenomics to understand the impact of microbial interactions on product quality and gastrointestinal function.

The fellowship will be awarded for one year, with possible renewal conditional on performance and continued funding availability.

Duties: You will conduct and publish research related to the defined research areas. You will work closely with the principal investigator and collaborators, taking the lead in a particular area of interest within the research program. You will assist with other research activities including: coordination and operation of the research program, undergraduate and graduate student training; activities related to obtaining and managing grants, as well as preparation of reports and manuscripts for publication.

Conditions : The position is available immediately.

Salary : 35K – 45K commensurate with experience

Close date: Applications will be reviewed as they are received, until the position is filled. Only those selected for interview will be notified.

Application procedure: Please provide by email to Gisèle LaPointe (glapoint@uoguelph.ca) a cover letter, current CV and the names of three individuals who are willing to provide letters of reference (reference letters are not required at this stage, but will be requested for those selected to be interviewed). The cover letter should describe your research background, research interests, long-term career goals, and their fit with the focus of this proposal. Your CV should include your education, awards, publications (include pdfs with your application), conference abstracts, and research experience.