

POSTDOCTORAL POSITION OFFER – UNIVERSITÉ LAVAL (Quebec, Canada)

Program	Postdoctoral research program
Research fields	Microbiology, Food sciences, lactic acid fermentations
Faculty, Department	Faculty of Agriculture and Food Sciences, Food science
Duration	2 years
Annual salary	50 000 CAD plus benefits
Director	Dr. Ismaïl Fliss

A postdoctoral position is offered in the laboratories of Dr. Ismaïl Fliss, head of the Food science department, Faculty of agriculture and food sciences of the Université Laval, and holder of the NSERC Industrial Research Chair in metabolic activity and functionality of bioprotective lactic cultures (METABIOLAC). The proposed project is entitled "Development of bioprotective and functional lactic cultures and of natural ingredients with antifungal activities for the control of undesirable fungal flora in baked goods and pastries".

We are looking for a highly motivated candidate interested in characterizing microbial and fungal ecosystems in Quebec bakery and pastry products and their role in the spoilage of these products. He will also produce and characterize natural antifungal compounds that can be used as alternatives to chemical additives and determine their biological activities in different models. The candidate should hold a Ph.D. degree in microbiology, biology, food science or a related field. Research experience in microbial ecology, working knowledge of omic approaches and excellent oral and written communication skills are essential. Experience in the field of cereal fermentations would be an asset.

The postdoctoral scientist will be hired on a full-time basis for a 2-year period starting in February 2020. The annual fellowship is 50 000\$ plus benefits according to the Université Laval postdoctoral fellowship collective agreement. The successful candidate will have access to well-equipped microbiology (levels 1 and 2) and analytical chemistry laboratories.

Candidates must send 1) a cover letter; 2) a curriculum vitae; 3) two relevant publications and 4) contact information for two independent professional referees to: ismail.fliss@fsaa.ulaval.ca.