

**Posting
RESEARCH ASSOCIATE**

Position Title:	Research Associate
Hiring Unit:	School of Human Nutrition
Supervisor:	Dr. Stan Kubow
Work Location:	Faculty of Agricultural and Environmental Sciences (Macdonald Campus)
Hours/Week & Schedule:	35 h/week; 7 h/day; Monday to Friday
Hourly Wage:	\$28.44
Planned Start Date & End Date:	March 1, 2021 - February 28, 2023
Date of Posting: (post for 5 working days minimum)	October 28, 2020
Deadline to Apply:	November 28, 2020

PRIMARY DUTIES

The position will focus on research involving simulated gut digestion models, animal models of autism, metabolomics and microbiome assessment towards identifying prebiotic and probiotic metabolites that could lead to improvements in the behavior and metabolic characteristics of autism.

- Work closely with principal investigator (PI) and his team to design and conduct multi-center in vitro and animal studies on the effects of probiotics in autism,
- Work with simulated gastrointestinal model and zebrafish model of autism,
- Assess the effects of treatments using in vitro and animal models on the gut microbiome using 16S rRNA gene sequencing and targeted metabolomics,
- Assess for functional and behavioral changes in zebrafish following treatments,
- Generate, analyze and interpret data,
- Assist in the supervision of undergraduate and/or graduate student(s) involved in the project,
- Assist PI in manuscript writing and grant proposals.

EDUCATION/EXPERIENCE

- **For Research Associate – minimum requirement:
Ph.D. + 5 years research experience**

Candidates must possess:

- PhD in Nutrition,
- At least 5 years of experience in collaborative research and student supervision,
- Experience with cell culture and clinical nutrition research,
- Knowledge and experience in cellular and molecular nutrition research, functional foods, bioactive food components,
- Strong experience in laboratory techniques,
- Strong publication record (peer-reviewed publications, conference presentations).

OTHER QUALIFYING SKILLS & ABILITIES

- Experience working in a collaborative environment, ability to initiate new collaborations,
- Proven ability to effectively communicate research outcomes to a wide range of audiences,
- Excellent writing skills,
- Ability to adapt and work remotely in case of Covid-19 limitations,
- Excellent organizational skills and ability to meet deadlines.

HOW TO APPLY

Internal candidates (current McGill employees), apply via:

<https://wd3.myworkday.com/mcgill/d/home.html>

External candidates, apply via:

https://mcgill.wd3.myworkdayjobs.com/mcgill_careers

Instructions for Applying: https://www.mcgill.ca/r2r/files/r2r/workday-guide_for_candidates-en.pdf

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