
NEWSLETTER

FALL 2022

School of Human Nutrition



Environment • Nutrients • Health • Society

Welcome to the [School of Human Nutrition](#) Newsletter!

We are proud to share with you recent news, events and achievements from our impressive Faculty, staff and students! The School's standard of excellence in research and teaching is stronger than ever as we excel in our [mission](#).



EVENTS

JUN 2022 – [HONOURARY DOCTORATE](#)

The School of Human Nutrition was honoured to welcome Dr. William H. Dietz (Honorary Doctorate, Doctor of Science, honoris causa (D.Sc.)) to our new Clinical Nutrition Research Unit for an insightful presentation and tour of the modern facility.



FACULTY HIRES

The addition of new Faculty in the School of Human Nutrition brings new insights and initiatives to our team and is invaluable to the growth of our School.

[Dr Chelsia Gillis](#) brings her knowledge in prehabilitation, including exercise, nutrition, and psychological strategies to prepare patients for the stress of surgery.

The next day we were fortunate to have Dr Dietz and his family as guests of honour at the [Macdonald Campus 2022 Convocation](#) where he received his Honorary Doctorate!

[Dr Brittany Wenniser](#): [iostha Jock](#) combines epidemiology with social and behavioural science to respond to the obesity and chronic disease inequities experienced by Indigenous Nations and communities.

OCT 2022 – [HOMECOMING](#)

It was an exciting weekend as the School of Human Nutrition welcomed over 60 alumni to tour the campus and visit with their fellow alumni!



CLINICAL NUTRITION RESEARCH UNIT

With a wide range of expertise and deep commitment to multidisciplinary, patient-oriented, and community-based approaches, the Clinical Nutrition Research Unit is in a unique position to advance our understanding of nutrition and human health.

With a new state-of-the-art facility located in the heart of Ste. Anne de Bellevue and procurement of innovative research infrastructure, the Unit is poised to develop solutions to public health challenges and help us all lead longer, healthier and fuller lives.

<https://www.mcgill.ca/nutrition/cnru>



STUDENT INITIATIVES

Our Graduate and Undergraduate students impress us every day!

[GRADUATE NEWS](#)

ANIKKA SWABY (RD, MSc) awarded the [Let's Talk Science National Volunteer Award 2022](#).

[UNDERGRADUATE NEWS](#)

CHLOÉ GARZON (BSc. Nutr Sc. – Nutrition Major – Global Nutrition) named Valedictorian for the June 2022 Faculty of Agricultural and Environmental Sciences graduation ceremony.

[ISABELLE LAM & JAMIE LEE](#) (BSc Nutr Sci 19) 2022 Distinguished Young Alumni Award Recipients



FACULTY AWARDS

[DR. MAUREEN ROSE](#), Senior Faculty Lecturer and alumni (SHN BSc. Dietetics) wins the Principal's Prize for Excellence in Teaching

[DR. DAIVA NIELSEN](#), Assistant Professor & Scientific Director of the Clinical Nutrition Research Unit is named the prestigious [William Dawson Scholar](#). She also received funding from the [Canada Foundation for Innovation's John R. Evans Leaders Fund \(CFI JELF\)](#) to establish the Sensometric Lab to investigate influences on human eating behavior.

[DR. HARRIET KUHNLEIN](#), Professor Emerita is named McGill Unsung Hero.

[JENNY ENG](#), Research Technician and Lab Manager is named 2022 Campus Public Safety Ambassador.



COMMUNITY OUTREACH

Giving to our community is an integral part of our School.

To mark [International Woman's Day](#), Dietetics students in the School of Human Nutrition prepared, packaged and delivered more than 600 meals to frontline health care workers working in vaccination sites on the West Island!

[Bannock is now available for Indigenous patients at MUHC](#). Thanks to an unprecedented collaboration between SHN Dietetics students, the Psychiatric Consultation-Liaison Service, the Clinical Nutrition Service and Food Services, First Nations and Inuit inpatients are now able to enjoy a traditional snack, bannock.



NEW PROFESSOR RECRUITMENT

[ASSISTANT PROFESSOR OF REGULATION OF NUTRIENT METABOLISM](#)

The School of Human Nutrition of McGill University's Faculty of Agricultural and Environmental Sciences invites applications for a tenure-track Assistant Professor of Regulation of Nutrient Metabolism. Top priority research areas include the role of regulation of energy and nutrient homeostasis in prevention and modulation of nutrition-related metabolic disorders, and metabolic and nutritional programming. Areas include but are not limited to the gut-brain axis, genetics, epigenetics or microbiota as modifiers of disease susceptibility and morbidity.

HIGHLIGHTED PUBLICATIONS

authored by SHN Students (underlined) and Professors (**bolded**)

[Conditions Conducive to the Glutathionylation of Complex I Subunit NDUFS1 Augment ROS Production following the Oxidation of Ubiquinone Linked Substrates, Glycerol-3-Phosphate and Proline](#). Wang K, Hirschenson J, Moore A, **Mailloux RJ**. Antioxidants (Basel), 2022.

[Association of Low Muscle Mass With Cognitive Function During a 3-Year Follow-up Among Adults Aged 65 to 86 Years in the Canadian Longitudinal Study on Aging](#). Tessier AJ, Wing SS, Rahme E, Morais JA, **Chevalier S**. The Journal of the American Medical Association, 2022.

[Loss of the fructose transporter SLC2A5 inhibits cancer cell migration.](#) Groenendyk J, Stoletov K, Paskevicius T, Li W, Dai N, Pujol M, Busaan E, Ng HH, Boukouris AE, Saleme B, Haromy A, Cui K, Hu M, Yan Y, Zhang R, Michelakis E, Chen XZ, Lewis JD, Tang J, **Agellon LB**, Michalak M. *Frontiers in Cell and Development Biology*, 2022.

[The role of ultra-processed food consumption and depression on type 2 diabetes incidence: a prospective community study in Quebec, Canada.](#) Sen, A., **Brazeau, AS**, Deschênes S., **Melgar-Quiñonez, HR**, & Schmitz N. *Public Health Nutrition*, 2022.

[Probiotics Exhibit Strain-Specific Protective Effects in T84 Cells Challenged With *Clostridioides difficile*-Infected Fecal Water.](#) Gaisawat MB, Lopez-Escalera S, MacPherson CW, Iskandar MM, Tompkins TA, **Kubow S**. *Frontiers in Microbiology*, 2022.

[Ghanaian Female Adolescents Perceived Changes in Nutritional Behaviors and Social Environment After Creating Participatory Videos: A Most Significant Change Evaluation.](#) Ghadirian MZ, **Marquis GS**, Doodoo ND, Andersson N. *Current Developments in Nutrition*, 2022.

[An Evaluation of an Expanded Nutrition and Culinary Education After-School Program for 4th and 5th Graders in Five Diverse Urban Neighborhoods.](#) Jennings T, Bukari N, **Hendrickson M**, **Plourde H**, Frasier B. *Journal of Hunger & Environmental Nutrition*, 2022.

[Are nocturnal hypoglycemia prevention strategies influenced by diabetes technology usage? A BETTER registry analysis.](#) Talbo MK, Rabasa-Lhoret R, Yale JF, Peters TM, **Brazeau AS**. *Diabetes Res Clin Pract.* 2022.

[Parvalbumin interneuron loss mediates repeated anesthesia-induced memory deficits in mice.](#) Rogue PS, Thörn Perez C, Hooshmandi M, Wong C, Eslamizade MJ, Heshmati S, Brown N, Sharma V, Lister KC, Goyon VM, Neagu-Lund LE, Shen C, Daccache N, Sato H, Sato T, Mogil JS, Nader K, Gkogkas CG, Iordanova MD, Prager-Khoutorsky M, McBride HM, Lacaille JC, **Wykes L**, Schrickler T, Khoutorsky A. *The Journal of Clinical Investigations*, 2022.

[Journey to Promoting Structural Change for Chronic Disease Prevention: Examining the Processes for Developing Policy, Systems, and Environmental Supports in Native American Nations.](#) **Jock BWI**, Maudrie T, Fleischhacker S, Porter KP, Gittelsohn J. *Current Developments in Nutrition*, 2022.

[Socioeconomic status influences participation in cancer prehabilitation and preparation for surgical recovery: A pooled retrospective analysis using a validated area-level socioeconomic status metric.](#) Lee D, Wang A, Augustin B, Buajitti E, Tahasildar B, Carli F, **Gillis C**. *European Journal of Surgical Oncology*, 2022.

[The association between BMI trajectories and bronchopulmonary dysplasia among very preterm infants.](#) Li Ching Ng L, Patel S, **Plourde H**, Besner ME, Lapointe A, Bizgu V, Sant'Anna G, Beltempo M. *Journal of Pediatric Research*, 2022.

[Human milk microbiome is shaped by breastfeeding practices.](#) Lopez Leyva L, Gonzalez E, Solomons NW, **Koski KG**. *Frontiers in Microbiology*, 2022.

[Longitudinal Patterns of Food Procurement Over the Course of the COVID-19 Pandemic: Findings From a Canadian Online Household Survey.](#) **Nielsen DE**, Labonté K, Karamanoglu I, Han HY, Tavanaei M, **Duhamel PG**, **Agellon LB**, Paquet C, Dube L. *Frontiers in Public Health*, 2022.

[Atikamekw Nehirowisiw Mirowatsiwin: Identifying the Strengths of the Manawan Community to Promote Wellness and Healthy Lifestyles.](#) Perillat-Amedee S, Delormier T, Flamand S, Ottawa G, McBeath B, McComber AM, Macaulay A, Flamand D & Levesque L. Turtle Island Indigenous Health Journal, 2021.

[A Systematic Review of Mercury Exposures from Skin-Lightening Products.](#) Bastiansz A, Ewald J, Rodríguez Saldaña V, Santa-Rios A, Basu N. Environmental Health Perspectives, 2022.

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