Ken Carroll Lecture Series in Metabolomics

Dr. Philip Britz- McKibbin

Department of Chemistry and Chemical Biology

McMaster University

"New Advances in Nutritional Metabolomics for Global Health: Are You Getting Enough?"

Friday, June 13, 2025

10:30 AM

MSB – 384

All Welcome

Dr. Philip Britz-McKibbin is a Professor at the Department of Chemistry and Chemical Biology at McMaster University in Hamilton, Canada. Dr. Britz-McKibbin obtained his BSc in Chemistry (U. Toronto, 1994), and PhD in Analytical Chemistry (UBC, 2000) and a Japan Society for Promotion of Science PDF position in Japan (Hyogo University, 2001-2003) prior to starting his academic position at McMaster. His research group is an affiliate member of The Metabolomics Innovation Centre (TMIC) – Canada's national metabolomics laboratory, and a recent recipient of the 2023 W.A.E McBryde Medal in Analytical Chemistry. His research interests in bio-analytical chemistry, separation science, mass spectrometry and metabolomics include the design of novel analytical strategies to quantify and identify metabolites of clinical significance in complex biological samples. Philip's laboratory aims to discover new biomarkers that support early detection and improved therapeutic interventions with emphasis on inherited metabolic disorders and chronic human diseases ranging from cystic fibrosis to inflammatory bowel disease. His research interests include the development of high throughput metabolic screening methods for large-scale epidemiological studies with recent focus on evaluating dietary and tobacco smoke exposures in global populations. This includes validation of dietary biomarkers of food intake or effect that can serve as objective indicators of exposures and modifiable risk factors for chronic disease prevention. Webpage: www.britz.mcmaster.ca

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