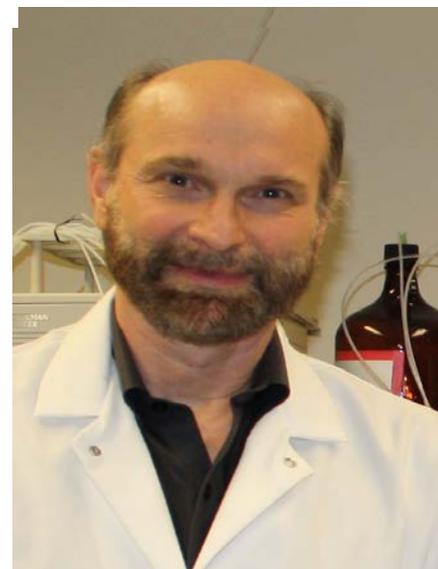


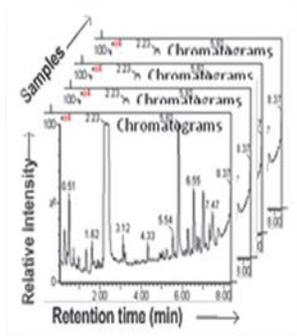
Stan Kubow

Associate Professor
School of Human Nutrition

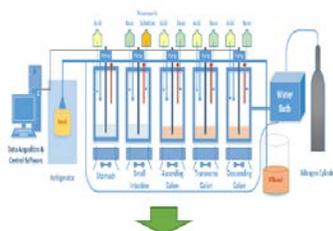
Stan Kubow obtained his PhD in 1984 from University of Guelph after obtaining undergraduate and graduate degrees at McGill University and University of Toronto. He carried out postdoctoral studies at University of Guelph and University of Toronto from 1984-1987 prior to joining the School of Dietetics and Human Nutrition at McGill University as an Assistant Professor in 1987. He has been an Associate Professor since 1993 and also served as Acting Director from 1993-1994. He serves on the editorial boards of *Nutrients* and *Journal of Nutrition and Metabolism*. He participates as a grant panel member of Tri-council funding agencies including Canadian Institutes of Health Research (CIHR) and the Natural Sciences and Engineering Research Council of Canada (NSERC). He is recruited regularly by industry to support nutritional, toxicological, biochemical and phytochemical research investigations via grant and research contract support.



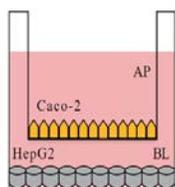
Research and Scientific Expertise



Identification of bioactive phytochemicals: Plant foods contain bioactive components that can protect against metabolic disorders such as obesity and diabetes. Dr. Kubow's research involves the identification and isolation of those bioactives, which are tested for their antioxidant and anti-inflammatory properties in pre-clinical studies.



Post digest metabolites



Human simulated gut model studies: Dr. Kubow uses a simulated human gut digestion model to examine how human gut microbiota metabolize: (a) polyphenols into health promoting bioactives; and (b) synthetic (polychlorinated biphenyls) and naturally occurring (heterocyclic amines) food toxicants into toxic metabolites.

Human simulated first pass metabolism: Using a hybrid co-culture of human intestinal and hepatic cells, Dr. Kubow studies first pass metabolism of plant food components following their digestion in the gut model to identify absorbed metabolites via metabolomics and test for their health modulating effects.



Testing of bioactive properties of dietary agents: Using cell and tissue culture, animal models and clinical intervention trials, Dr. Kubow's research evaluates the health promoting effects of dietary agents such as prebiotics and probiotics, peptides and a wide variety of phytochemicals.

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