



OHWS

ONE HEALTH WORKSHOP SERIES

André Buret

Dr. André Buret established his research program at the University of Calgary in 1995. Dr. Buret has published over 170 peer-reviewed articles, 18 book chapters, and has been invited to deliver more than 300 presentations worldwide. Dr. Buret holds over 20 issued patents, and contributed to the creation of three biotech spin-off companies. He has mentored, as principal supervisor, more than 60 undergraduate research projects, and trained 36 Ph.D and M.Sc. students (all Research-based), as well as 12 post-doctoral fellows (and more than 80 other PhD/MSc students as co-supervisor), who have obtained positions in industry, academia, and government. He serves on many National, and International grant and government committees, and acts as advisor and/or board member for several institutes and private companies. Dr. Buret was inducted in the Order of the University of Calgary (2013), a Fellow of the Royal Society of Tropical Medicine and Hygiene (London UK, 2001), a Fellow of the Canadian Association of Gastroenterology (2020), and a Fellow of the American Gastroenterological Association (2009).

Eric Brown

Dr. Eric Brown is a Distinguished University Professor in the Department of Biochemistry and Biomedical Sciences and member of the M.G. DeGroot Institute for Infectious Disease Research at McMaster University. Brown is a Fellow of the American Academy of Microbiology and has received a number of other awards including the Canadian Society of Microbiologists Murray Award for career achievement and the Canadian Society for Molecular Biosciences Merck Frosst Prize for new investigators. He currently holds a Killam Research Fellowship from the Canada Council for the Arts and a Canada Research Chair in Microbial Chemical Biology.

Brown is a former Chair of his department and was the founding Director of a leading edge educational program at the nexus of science and commerce, the Biomedical Discovery and Commercialization program. He has served on advisory boards for a variety of companies as well as national and international associations, including a term as President of the Canadian Society of Molecular Biosciences. Currently, he is a member of the editorial board of ACS Infectious Diseases, is the Series Editor of the annual Antimicrobial Therapeutics Review of the Annals of the New York Academy of Science, and a member of the Advisory Board of the Joint Programming Initiative on Antimicrobial Research.

Brown's research aims to probe the complex biology that underlies bacterial survival strategies. The goal of these studies is to contribute to fresh directions for new antibacterial therapies.



Ronald Labonte

Ronald Labonté is Distinguished Research Chair in Globalization and Health Equity and Professor in the School of Public Health and Epidemiology, University of Ottawa. For the past 25 years, logically following his earlier work on health and community empowerment, his research has focused on the health equity impacts of diverse globalization processes, many of which form the content of his 2019 book, *Health Equity in a Globalizing Era* (Oxford University Press). He is Editor-in-Chief of the BMC journal, *Globalization and Health*, active with the People's Health Movement, a frequent contributor to its flagship publication *Global Health Watch*, and a co-editor of its forthcoming 6th edition. His most recent work focuses on the global governance of infectious disease and anti-microbial resistance, the political economy of tobacco farming in low- and middle-income countries, and the health impacts of 'free' trade and investment treaties.

Caroline Ritter

Caroline Ritter is a veterinarian from Germany. Her passion for research led her to pursue a PhD at the University of Calgary, where she began investigating strategies for policy and practice that can aid with animal health and welfare issues. Specifically, her aim was to improve dairy farm management through a better understanding of how producers make decisions, and how they can be supported in this process.

After her PhD, Dr. Ritter joined the Animal Welfare Program at the University of British Columbia as a Banting postdoctoral fellow. While she continued to focus on the social science behind farmers' decision-making, her work expanded to include considerations for how the influence of the public might affect the treatment of animals. In June 2020, Dr. Ritter started a position as Assistant Professor at the Department of Health Management at the University of Prince Edward Island.

Dylan Pillai

Dr. Dylan Pillai is a Professor of Pathology and Laboratory Medicine, Medicine, and Microbiology, Immunology & Infectious Diseases at the University of Calgary, and practices in both Medical Microbiology and Infectious Diseases. His research interests comprise translational studies related to improving cost-effectiveness and outcomes from the implementation of new diagnostic algorithms. A particular focus has been on developing point-of-care and near-patient diagnostic technology both at home and in resource-limited settings like Ethiopia, Bangladesh, and Sri Lanka in order to reduce disparities. He has published close to 100 peer-reviewed articles, obtained over \$1.5M in direct peer-reviewed funding and \$6M as co-investigator over the last 10 years. He has trained over 30 undergraduate, graduate, and post-doctoral scientists as well as clinical fellows in his laboratory.



Jim Fairles

Dr. Jim Fairles is a veterinarian with 23 years of experience in private mixed practice in Mount Forest, Ontario and two years of international experience in China. Since 2004, Dr. Fairles has been employed as the Client Services Veterinarian at the Animal Health Laboratory at the University of Guelph. He has a DVM (1980) and MBA (1999) degrees from Guelph.

Dr. Fairles has been involved with various veterinary associations on local, provincial and national levels. He is a past president of the Canadian Veterinary Medical Association (CVMA) and a past chair of the Canadian Animal Health Coalition (CAHC). He is a past president of the Canadian Association of Swine Veterinarians (CASV) and an industry representative (CVMA) on the National Farmed Animal Health and Welfare Council.

Sam Mohajer

Sam Mohajer has been employed at the Canadian Food Inspection Agency since 2010 in various positions within the agency's science and operations branch. He has led several large-scale validation research studies comparing international reference detection methods and evaluating rapid molecular based approaches for detecting food borne pathogens to enhance Canada's food safety program. Additionally, he was involved in many food safety outbreak investigations as a recall officer with the agency. From 2016 to 2019, he led the development of the agriculture component of the pan-Canadian Framework on AMR and the anticipated action plan including developing and delivering a broad consultation process with agriculture and agri-food partners as part of the CFIA's AMR task team. In his current position, he is supporting the CFIA's research program including the Genomic Research and Development Initiative (GRDI) which has an AMR research project with collaborations from several government departments.

Catherine Carrillo

Cathy Carrillo completed a Ph.D. in molecular biology at the University of Ottawa in 2000. She began working on food pathogen genomics in 2001, as a visiting fellow at the National Research Council (Canada). From 2006 to 2012, Cathy led the *Campylobacter* laboratory in Health Canada's food microbiology group, where she worked on improved methods for detection of campylobacters in foods and on the implementation of a *Campylobacter* genomics program. She began her current position at the Canadian Food Inspection Agency in January 2013, focusing on the application of whole-genome sequencing (WGS) technologies for the detection, identification and characterization of foodborne bacterial pathogens. In the past few years, Dr. Carrillo's laboratory has sequenced several thousand bacterial genomes, and this work has led to the implementation of methods for real-time WGS of bacterial pathogens isolated in CFIA's food-testing programs. Her current research interests include the development of tools for bacterial phenotype prediction based on WGS data (e.g. serotype, antimicrobial resistance), and the application of novel technologies (e.g. metagenomics) to improve methods for detection of bacterial pathogens in foods. Dr. Carrillo currently leads the sequencing component of the Shared Priorities Genomics Research and Development Initiative project on antimicrobial resistance (GRDI AMR).



Jaap Wagenaar

Professor Jaap A. Wagenaar was trained as veterinarian and completed his PhD study at Utrecht University and the USDA-National Animal Diseases Center, Ames, IA, US. In 1996 he started his research group at the Central Veterinary Institute (now: Wageningen Bioveterinary Research) in Lelystad, the Netherlands, on food safety and in particular on *Campylobacter*. From 2004-2006 he worked with WHO, the Centers for Disease Control and Prevention and the USDA Western Regional Research Center. In 2006 he was appointed as chair in Clinical Infectious Diseases at the Faculty of Veterinary Medicine, Utrecht University. His research group is focussing on *Campylobacter* and antimicrobial resistance.

He is currently coordinator of a large EU-project on antimicrobial resistance (EFFORT). He is member of the WHO-AGISAR-group (Advisory Group on Integrated Surveillance of Antimicrobial Resistance) and WHO-Global Foodborne Infections Network, a global capacity building network. He is member of the scientific panel of the Netherlands Veterinary Medicines Institute (SDa) and involved in the major reduction of antimicrobial use in livestock. He is director of the WHO Collaborating Center for *Campylobacter* and of the OIE-reference laboratory for *Campylobacteriosis*, and is acting frequently as expert for WHO, FAO and OIE.

Katharina Stärk

Katharina graduated as a veterinarian from Zurich Veterinary School and obtained her PhD from Massey University (New Zealand). Over the last 20 years, she conducted applied research on infectious diseases and zoonoses as well as risk analysis, surveillance and animal health decision making in relation to animal-derived food. She worked in diverse environments including private industry in Denmark and academia in Switzerland and the UK. Katharina has repeatedly served on international working groups and expert panels for organization such as the World Organisation for Animal Health (OIE) and the European Food Safety Agency (EFSA). Until 2018, Katharina was Director for Science and Quality with SAFOSO AG, Bern, a private company providing technical advice to governments, NGOs and businesses. She is honorary Professor of Veterinary Public Health Policy of the Royal Veterinary College, London UK, and adjunct Professor of the City University, Hong Kong. In 2019, Katharina joined the Federal Food Safety and Veterinary Office, Switzerland, as Head of Department of Animal Health. Her Department leads surveillance programs for animal health, antimicrobial usage and antimicrobial resistance in animals. It also coordinates One Health activities across Federal and State governments in Switzerland. Her professional passion lies in translating science into practice with the aim to assure health for all.