



OHWS

ONE HEALTH WORKSHOP SERIES

David R. C. Bailey, PhD

Dr. Bailey obtained his Ph.D. in Genetics and Animal Breeding at the University of Alberta in 1985. He began his career with Agriculture and Agri-Food Canada as a research scientist in Lethbridge, Alberta and was later appointed to management postings as Research Centre Director in Charlottetown P.E.I. and Lacombe, Alberta before his appointment as Director General in 2003. He has published more than 60 peer-reviewed manuscripts and has received several awards for excellence in research and transferring research into commercialization, including the CSAS's Young Scientist Award and NRC-IRAP's Federal Partners in Technology Transfer. His leadership profile also includes service on a number of advisory boards and committees such as Livestock Gentec (University of Alberta), Manning Innovation Awards Southern Chapter (AB), PrioNet Canada (founding member), and Alberta Prion Research Institute Management Board (founding member). David has also served as an adjunct professor at Texas A&M University, and the University of Calgary (current). David joined Genome Alberta as the President and CEO in April 2006. In 15 years he has built the organization into a vibrant and effective team that has partnered with key Alberta sectors to help deliver genomic solutions to real challenges.

Catalina Lopez-Correa, MD, PhD

Dr. Lopez-Correa has worked in research and innovation for more than 20 years, in 7 different countries, in the academic and private sectors. She has worked with different biotech, pharma and non for profit companies to help advance research and innovation and develop productive partnerships at the national and international level.

Presently, Dr. Lopez-Correa is the Executive Director of the Canadian COVID Genomics Network (CanCOGen) at Genome Canada. Previously, she was the COO at Ruta N Medellin, driving innovation ecosystems to advance social and economical development in Colombia and Latin America. Prior to that, Dr. Lopez-Correa was the Chief Scientific Officer (CSO) at Genome BC and before that CSO at Genome Quebec. Dr. Lopez-Correa has also held leadership positions at deCODE Genetics, and Eli Lilly and has played advisory roles at the European Commission, Innovative Medicine Initiatives and other private and public sector entities working in the application and implementation of genomics technologies. In 2013, Dr. Lopez-Correa was awarded the National Order of Merit Award in the Rank of Officer by the Republic of Colombia and in 2017 was awarded a commemorative Canada 150 medal from the Canadian Senate.

Dr. Lopez-Correa holds an MD from the Universidad Pontificia Bolivariana in Colombia, an MSc in Human Genetics from Paris V University in France, a PhD in Medical Sciences from the KULeuven in Belgium, and a mini MBA from McGill University in Canada.



John Berezowski, DVM, PhD

Following graduation from the Western College of Veterinary Medicine (WCVM) in 1981, Dr Berezowski spent 18 years in food animal practice in Western Canada. He completed his PhD in epidemiology in 2004 and began pursuing his interests in epidemiology and veterinary public health. He has a passion for creating knowledge to support decision making in health and has designed, lead and participated in large and small health surveillance projects for livestock, wildlife and one health. He currently leads a small group of dedicated and very creative researchers at the Veterinary Public Health Institute at the University of Bern in Switzerland. He has a strong interest in developing new surveillance methodologies and has published, presented and taught in the field. His current research focus is on integrated approaches to surveillance especially method development to support knowledge generation from complex real-time surveillance, by combining data from many varied sources (human, livestock, wildlife, and environment) and across complete livestock based food supply chains.

Samira Mubareka, MD, FRCPC

Since completing her research fellowship at the Mount Sinai School of Medicine in 2009, Dr. Mubareka has continued to study themes of viral transmission and spread. In the early days of the COVID-19 pandemic, Dr. Mubareka and colleagues isolated the SARS-CoV-2 virus in a Level 3 containment facility. It is now the principle source of SARS-CoV-2 to most academic CL3 laboratories across the country.

Dr. Mubareka serves on the Chief Science Advisor of Canada's COVID-19 Expert Panel, the Implementation Committee of the Canadian COVID-19 Genomics Network (CanCOGeN) Viral Sequencing Project (Genome Canada) and the Ontario Genomics' Steering Committee for the Ontario COVID-19 Genomics Rapid Response Coalition. She is also the Chair of the Ontario Academic Health Sciences SARS-CoV-2 Sequencing Network (ONS2). She has collaborated extensively with fluid dynamics engineers and others to fill gaps in the understanding of viral bioaerosol dispersion. In 2020, Dr. Mubareka formed the Sunnybrook Translational Research Program for Emerging and Respiratory Viruses (SERV) to focus on viral genomics, transmission and the development of medical countermeasures.

Kathleen Long, DVM

Dr. Long holds a bachelor of science in agriculture with a major in animal science from the University of Alberta and a doctor of veterinary medicine from the Western College of Veterinary Medicine, where she completed advanced coursework in both poultry and swine management, nutrition, reproduction, and health. She also completed a master of avian health and medicine through the University of Georgia and is a Diplomate of the American College of Poultry Veterinarians. Dr. Long joined Maple Leaf Foods in 2013 and has played an integral role in supporting the company's best in class animal care strategy. She is currently Vice President of Animal Care at Maple Leaf Foods Inc. In this role she leads the company's animal care policies and programs in all livestock and poultry production and processing operations.



Arjan Stegeman, PhD

Arjan Stegeman is full professor of Farm Animal Health and Epidemiology of Infectious Diseases at Utrecht University, The Netherlands. He is a veterinarian by training and a diplomate of the European College of Veterinary Public Health. His research is focused on the epidemiology of infectious diseases in farmed animals aiming to unravel the mechanisms that determine the population dynamics of infections and establish the effectiveness of intervention measures. For that goal his group applies animal experiments, field studies and mathematical modelling. Arjan is chair of the Dutch expert group on animal diseases and vice-chair of the outbreak management team zoonotic diseases. Currently he is leading the research on SARS-CoV-2 infections in animal populations in the Netherlands and member of the OIE ad hoc working group on Covid-19.

Darryl Falzarano, PhD

Darryl Falzarano is a Research Scientist at VIDO-InterVac at the University of Saskatchewan. His lab is focused on developing animal models and vaccines for coronaviruses. They developed an alpaca model to assess numerous vaccines for MERS-CoV that are targeted for use in camels. Currently, his lab is focused on developing and improving small animal models for SARS-CoV-2, including hamsters and ferrets, to assess vaccines, antivirals and immunotherapeutics. They are currently preparing to move a SARS-CoV-2 subunit vaccine with a novel combination adjuvant called TriAdj into clinical trials. VIDO-InterVac develops vaccines for both humans and agricultural animals and is home to the International Vaccine Centre – the largest containment level 3 facility in Canada.