

Paul Stothard

Paul Stothard is an Associate Professor in the Department of Agricultural, Food and Nutritional Science. His research team specializes in the analysis and interpretation of huge genome sequence and gene expression data sets, for the purpose of understanding the genetic underpinnings of important phenotypes. Through collaborations within AFNS and involving the USDA, Iowa State University, and others, new insights into a variety of interesting traits have been made. He is the co-lead of a new Genome Canada-funded project that aims to improve the sustainability of dairy production through increasing feed efficiency and reducing methane emissions, and is involved in other projects studying the genetics of disease resilience and coat colour.

Janice Cooke

Dr. Janice Cooke is an Associate Professor in the Department of Biological Sciences at the University of Alberta. She has a BSc from the University of Victoria and a PhD from the University of Alberta. She undertook postdocs at the University of Florida and Université Laval, where she became involved in large scale genomics project. Janice has been a co-lead on Genome Canada-funded projects and is currently the Director of the TRIA Mountain Pine Beetle NSERC Strategic Network.

Jennifer Zantinge

Dr. Jennifer Zantinge is a Molecular Cereal geneticist at Field Crop Development Centre (FCDC) in Lacombe Alberta. The Field Crop Development Centre focuses on breeding barley for feed, malt and food, as well as triticale and wheat. As lead of the cereal biotechnology lab, her primary goals include the investigation of potential molecular biological based tools to enhance and speed up the development of new barley varieties. This includes effectively integrating unique germplasm, improving the quality of selection, and working with the pathology program to improve pathogen surveillance and disease forecasting.

Nicholas Ashbolt

Dr. Ashbolt received his PhD in microbiology from the University of Tasmania in 1985 and specializes in applying microbial risk assessment to support guidelines and water safety plan management of urban water services. Since September 2013 he has been the Alberta Innovates-Health Solutions Translational Health Chair in Infectious Diseases, School of Public Health at the University of Alberta. Previously he was the Senior Research Microbiologist in the Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati OH (2007-2013), Head of the School of Civil and Environmental Engineering (2005-2007), University of New South Wales, Sydney, where he was a Professor (1994-2007) and Deputy Director of the Centre for Water &

Waste Technology (1996-2005); and Principal Scientist (Wastewater) (1990-1994) at Sydney Water Corporation, Australia.

Martin Somerville

Dr. Martin Somerville is the Medical/Scientific Director of Genetic Laboratory Services for Alberta Health Services, and Professor of Medical Genetics at the University of Alberta. Dr. Somerville received his BSc and MSc from the University of Western Ontario, his PhD from the University of Toronto, and certification in molecular genetics from the Canadian College of Medical Geneticists (CCMG). He is a past President of the CCMG, and has served as a clinical molecular genetic expert representative for Health Canada, as well as an expert advisor on the Ontario Genetic Testing Implementation Project for the Ontario Ministry of Health. His research interests are focused on the application of new technologies to provide higher clinical sensitivity for the diagnosis of genetic and genomic disorders, and on health policy development for genetic testing.

Chen-Han Lee

Dr. Cheng-Han Lee received his MD-PhD degree from the University of British Columbia (UBC) in 2004 and completed his Anatomic Pathology residency training (UBC) in 2009. During his residency training, his interest in cancer genetics led him to pursue a research fellowship in Dr. Matt van de Rijn's laboratory at Stanford University. His work helped to demonstrate the importance of tumor-stroma interaction in the progression of leiomyosarcoma (malignant smooth muscle tumor) and to characterize the microRNA expression profiles in sarcomas. After completion of the residency program, Dr. Lee continued his study on cancer genetics and biology as a post-doctoral fellow at Jonathan Fletcher's laboratory in Brigham and Women's Hospital, where he studied the genetic basis and biology of high-grade endometrial stromal sarcoma. Dr. Lee is currently a staff pathologist at Royal Alexandra Hospital with subspecialty focuses on gynecologic pathology and bone/soft tissue pathology. He is also an associate professor at the University of Alberta.

Gane Ka-Shu Wong

Dr. Wong got his Ph.D. in experimental low temperature physics from Cornell University in 1990. After a few years at the California Institute of Technology, he joined Maynard Olson at the University of Washington to work on the nascent Human Genome Project. As the project reached its crescendo in the late 1990's, he accepted an invitation from Jian Wang, Huanming Yang, and Jun Yu to help launch what eventually became BGI-Shenzhen. In 2007 he returned home to Canada and specifically to the University of Alberta, where he is now a Professor in Biological Sciences, a Professor in Medicine (Division of Gastroenterology), and an AITF/iCORE Strategic Chair. His research is focused on novel applications of high throughput sequencing.

Chris McCabe

Professor Christopher McCabe is a health economist and Principal Investigator on PACEOMICS and the recently established Precision Medicine Policy Network. His primary research interest is in the development of efficient research and development processes for biotherapies and devices in the context of value based reimbursement market access hurdles. He has published over 130 hundred peer reviewed papers, book chapters and monographs. He holds a Capital Health Endowed Research Chair at the University of Alberta, having previously held Chairs at the Universities of Leeds, Warwick and Sheffield. He continues to hold a Visiting Chair at the University of Leeds. He has acted as a consultant for public and private sector organizations in Europe, North America and Australasia; most notably with NICE in the United Kingdom, with whom he had various roles between 2003 and 2011.