

**Dr. John Basarab, University of Alberta**

Dr. Basarab is a research scientist at the University of Alberta and Head of Beef Operations at Livestock Gentec. John has over 30 years experience in beef cattle production and management. His work includes the development of one of the largest genotype-phenotype databases for beef cattle in Canada, and for genetic marker discovery, global collaborations, and validation of genomic tools like EnVigour HXTM.

**Dr. Michael Dyck, University of Alberta**

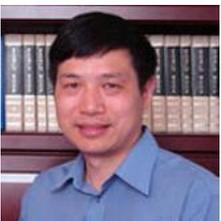
Dr. Dyck is a Professor at the University of Alberta whose research is focused on the development and application of molecular techniques and reproductive technologies, in collaboration with the pork production industry, to improve breeding and production efficiency in swine. He is currently leading a Genome Canada Genomics Applications Partnership project on the application of genomic tools to select for disease resilience in pigs.

**Dr. Carolyn Fitzsimmons, Agriculture and Agri-Food Canada**

Dr. Fitzsimmons is a research scientist at AAFC and is co-located at the University of Alberta as an Adjunct Professor in Beef Cattle Science. Her research is focused in the areas of gene expression and epigenetics, and molecular control of economically important traits in beef cattle. In particular, Dr. Fitzsimmons is interested in how gene expression can be modified by the environment, especially at the pre-natal stage.

**Dr. Leluo Guan, University of Alberta**

Dr. Guan is a Professor at the University of Alberta and an Associate Dean in the Faculty of Agricultural, Life and Environmental Sciences. Her research is focused on 1) molecular mechanisms of host-microbial interactions of the bovine gut, 2) association between gut microbial ecology and feed efficiency, methane emission and gut immunity, and 3) study of the bovine transcriptome, proteome and non-coding mRNA for economically important traits in cattle.

**Dr. Changxi Li, Agriculture and Agri-Food Canada**

Dr. Li is a Research Scientist with AAFC and was recently appointed as Team Lead of Beef Genomics and Livestock Production. He is also co-located at the UofA as an Adjunct Professor, is an AAFC Professor and Chair in Bovine Genomics. Dr. Li's research interests include identification and characterization of genes and genetic mechanisms related to economically important traits in the beef industry, as well as development of genomic tools to improve the beef industry.



Dr. Graham Plastow, University of Alberta

Dr. Plastow is a Professor at the University of Alberta and is the CEO of Livestock Gentec. His research is focused on the application of genomics to increase value for all of the links within protein value chains (from the animal breeder to the consumer) with a focus on improving animal health. Dr. Plastow's main ambition is to develop the program, together with other groups in ALES and their partners, to develop new tools for application in many of the farmed animal species.



Dr. Paul Stothard, University of Alberta

Dr. Stothard is a Professor at the University of Alberta in animal molecular biology and bioinformatics. His research is focused on the genetic basis on important traits in animals, with the use of whole genome sequencing and bioinformatics to understand the genetic bases of production and health traits, including pathogen resistance and resilience, in livestock.