

Carole Yauk

Carole Yauk was the lead scientist of the Genomics Laboratory in the Environmental Health Science and Research Bureau at Health Canada for 18 years. She joined the University of Ottawa's Department of Biology as a full professor in 2020, where she holds a prestigious Canada Research Chair in Genomics and the Environment. Her research focuses on developing and applying novel genomic tools for human health risk assessment of environmental chemical exposures. She has co-authored over 200 papers since attending her first EMGS meeting as an MSc student in 1996. Her papers span discoveries of the landscape of mutations induced in the germline and soma by environmental toxicants, to the development of novel genomic methods and biomarkers for regulatory toxicology testing, and the creation of adverse outcome pathways. Her scholarly work has led to significant global recognition and her recent induction as a Fellow of the Canadian Academy of Health Sciences. A committed collaborative scientist and advocate for applying advanced genomics to regulatory practices, Carole has led numerous international activities aimed at using genomics in risk assessment, playing leadership roles in the OECD, the International Workshops on Genotoxicity Testing, and within the Health and Environmental Sciences Institute. She has been an active member of the EMGS across her career, serving as Special Interest Group leader, Council member, President, co-chair of the International Conference on Environmental Mutagens, and Associate Editor of Environmental and Molecular Mutagenesis. Her ongoing research continues to set benchmarks in environmental genomics, influencing practice worldwide.