



## **Session A: Perfluorinated compounds in our diet**

### **Kerry Dearfield, PhD**

Kerry Dearfield is currently the Scientific Advisor for Risk Assessment in the U.S. Department of Agriculture's Food Safety and Inspection Service (FSIS). There in the Office of Public Health Science, he develops policies, guidance, and directions for risk assessments and advises on environmental and microbial risk assessments for food safety. Dr. Dearfield has published extensively in numerous peer reviewed publications on genetic toxicology of chemicals, genotoxicity in regulatory decisions and guidelines, peer review and risk assessment practices, and science policy issues. His scientific interests include the development of science policy and guidance; health risk assessments of environmental and microbial food contaminants; modes of action for toxicity (including mutational, physiological and pharmacological mechanisms); use of genotoxicity data in regulatory decisions (heritable risk, carcinogenicity, general toxicity); health effects testing guidelines (e.g., carcinogenicity, mutagenicity); development and use of peer review; and, risk assessment, risk management, and risk communication issues. Prior to his current position, Dr. Dearfield worked for over two decades at the Environmental Protection Agency as a risk assessor and Senior Scientist for Science Policy. He earned his BS degree (Biology) from the College of William and Mary, his MS degree (Cell Biology) from the University of Pittsburgh, and his doctorate (Pharmacology) from the George Washington University Medical Center.

## **Session B: Sources, pathways, analysis**

### **Jon Martin, PhD**

Jon Martin is an Associate Professor at the University of Alberta, Edmonton, Canada. He is an environmental analytical chemist with a reputation for trace analytical method development, and for applying these to real world environmental issues. Current focus is on the sources of perfluorinated compounds, and monitoring and remediation of toxic process water (OSPW) generated by the burgeoning Canadian oil sands industry. For his research he has won awards from the Society of Environmental Toxicology and Chemistry, the Canadian Society of Chemistry, the National Natural Science Foundation of China, and the Canadian Foundation for Innovation. For perfluorinated compounds, his early research at the University of Guelph and Toronto led to the discovery of many persistent perfluorinated acids in wildlife, their considerable bioaccumulation potential, and the detection of many perfluorinated acid precursors in the atmosphere. This work has been influential in helping to make regulatory decisions on the manufacturing and use of perfluorinated compounds globally, and his current research aims to unravel other unanswered questions about the sources of perfluorinated compounds to humans and the ambient environment.

## **Session C: Exposure, toxicity and regulation**

### **Tony Fletcher, PhD**

Dr. Tony Fletcher has worked in environmental and occupational epidemiology and human health risk assessment for 30 years. Member of "C8 Science Panel" responsible for designing and implementing large scale study of health effects of drinking water exposure to Perfluorooctanoic acid (PFOA or C8), in West Virginia and Ohio, USA. Recent major research projects include being overall Principal Investigator for two multi-country environmental epidemiology projects funded by the European Union, one on cancer risks in relation to water contaminated by arsenic in Central Europe, one on the respiratory effects of air pollution in 12 countries in Europe, North America and Russia. He is a Senior Lecturer at the Public and Environmental Health Research Unit in the London School of Hygiene and Tropical Medicine (LSHTM). He has been at the LSHTM since 1992, and was Unit Head of the Environmental Epidemiology Unit during 1995-9. He holds the post of Adjunct Research Professor in Environmental Health at the School of Public Health at Boston University. He was President of the ISEE International Society for Environmental Epidemiology in 2004-2005. Earlier posts have been at the World Health Organization's International Agency for Research on Cancer in Lyon, Birmingham and Aston Universities and the MRC Environmental Epidemiology Unit in Southampton. He is a long-standing member of the Health and Safety Commission's WATCH Committee (Working Group on the Assessment of Toxic Chemicals).