

March 23



DPR HUMAN HEALTH ASSESSMENT

How to evaluate pesticide

risk

DPR brown bag lunch series

Human Health Assessment: How to Evaluate Pesticide Risk

The Department of Pesticide Regulation's Human Health Assessment Branch manages the risk-assessment process (hazard identification, dose-response assessment, exposure assessment and risk characterization), with environmental fate reviews by the Environmental Monitoring Branch and supporting information from other branches. Come hear about their important work at this lunch-hour talk led by Dr. Sheryl Beauvais, Chief of the Human Health Assessment Branch, Dr. Svetlana E. Koshlukova, Senior Toxicologist of the Risk Assessment Section, and Dr. Eric S.C. Kwok, Senior Toxicologist of the Exposure Assessment Section.

AGENDA

Wednesday, March 23, 11:45 a.m.

1001 I St., Sacramento, First Floor Training Rooms A & B

11:45 a.m. – Registration, sign in

12 p.m. – Welcome and Introduction by Brian Leahy, Director, Department of Pesticide Regulation

12:05 a.m. – Background on Risk Assessment and how it relates to DPR's mission. Dr. Sheryl Beauvais, Chief of the Human Health Assessment Branch

12:20 p.m. – New Science Used to Determine Pesticide Health Effects. Dr. Svetlana E. Koshlukova, Senior Toxicologist of the Risk Assessment Section

12:35 p.m. – New Science Used to Estimate Pesticide Exposures. Dr. Eric S. C. Kwok, Senior Toxicologist of the Exposure Assessment Section.

12:50 p.m. – Questions

1 p.m. – Adjourn

C.E. CREDITS ARE AVAILABLE

Human Health Assessment: How to Evaluate Pesticide Risk

Speakers

Brian Leahy was appointed as Director, Department of Pesticide Regulation (DPR), on Feb. 2, 2012 by Governor Edmund G. Brown Jr. Prior to joining DPR, he served as assistant director for the Division of Land Resource Protection in the California Department of Conservation for five years. His focus was the potential for maximizing the benefits from open space management, including farmland management, to improve public health, transportation, biodiversity, climate change adaptation and natural resources.

Sheryl Beauvais is the Chief of the Human Health Assessment Branch, which has pesticide exposure assessment, risk assessment, and data review programs. Scientists in these programs evaluate data and conduct risk assessments to identify potential health concerns with pesticides registered in California. Sheryl has a Ph.D. in Toxicology and Fisheries Biology from Iowa State University, after which she spent 3 years in postdoctoral research projects on environmental impacts of pesticides on fish. She has worked for the California Department of Pesticide Regulation since 2001, initially as a Staff Toxicologist preparing exposure assessments. She was promoted to Senior Toxicologist supervising the exposure assessment program in 2012, and to her current position in 2014.

Svetlana E. Koshlukova received a B.S. and M.S. (Chemistry) from the University of Sofia and a Ph.D. (Biology) from the Bulgarian Academy of Sciences, Sofia, Bulgaria. She did postdoctoral work in the Department of Pharmacology and Toxicology and in the Department of Oral Biology at the State University of New York at Buffalo. Her postdoctoral research was focused on molecular mechanisms of action of the growth factors and antimicrobial proteins. She has worked for the Department of Pesticide Regulation's Human Health Assessment Branch since 2001, initially as an Associate and then as a Staff Toxicologist at the Risk Assessment Section where she conducted human health risk assessments of exposure to pesticides. She currently holds the position of Senior Toxicologist of the Risk Assessment Section, supervising the risk assessment program. Her research interests are in the evaluation of health risks and the use of in vitro assays and systems toxicity models for human health hazard predictions.

Eric S. C. Kwok is a Senior Toxicologist of the Exposure Assessment Section in Human Health Assessment Branch. Dr. Kwok is a Diplomate of the American Board of Toxicology and a member of the Society of Toxicology. He received his B.Sc (Hons) degree in Zoology/Botany from the University of Hong Kong, M.Phil. degree in Biology (Environmental Microbiology) from the Chinese University of Hong Kong, and Ph.D. degree in Environmental Toxicology (Atmospheric Chemistry) from the University of California, Riverside. Dr. Kwok also received postgraduate training in environmental mass spectrometry, pharmacokinetic modeling, and pesticide toxicology from the UCR Statewide Air Pollution Research Center and Environmental Toxicology Graduate Program, environmental analytical chemistry from the Brookhaven National Laboratory, Upton NY, and biomedical accelerator mass spectrometry from the Lawrence Livermore National Laboratory, Livermore.