

## **BIOS OF SPEAKERS FOR AUGUST PESTICIDE WORKGROUP MEETING**

**August 12, 2013**

### **Dr Carys Mitchelmore**

Dr Mitchelmore gained her Ph.D. from the University of Birmingham (UK) in 1997 investigating toxicity processes and effects in aquatic organisms exposed to organic pollutants, including oil and its constituent PAHs. Dr. Mitchelmore is an Associate Professor for the University of Maryland Center for Environmental Science at the Chesapeake Biological Laboratory in Solomons, Maryland. Her expertise lies in aquatic toxicology and her research experience included investigating the uptake, metabolism, fate and toxic effects of metal and organic pollutants, including PAHs and emerging contaminants of concern, such as flame retardants (PBDEs), in addition to biological pollutants (bacteria) and invasive species. Although investigations to date have used an array of organisms, from algae, oysters and mussels to fish and reptiles, a current focus is on coral reefs. This includes research directed at understanding the fate and effects of oil, dispersed oil and the dispersant Corexit 9500 in sensitive symbiotic anemone and coral species. Dr. Mitchelmore is also co-author of the 2005 National Research Council (NRC) report “Oil Spill Dispersants: Efficacy and Effects.”

### **Mr. Tyler Smith**

Tyler coordinates much of the Farming for the Future program’s policy and advocacy work, especially efforts to ensure that antimicrobial drugs are used responsibly by the food animal industry. He also conducts research on federal regulation of public health hazards associated with the food system, such as antimicrobial resistance, animal drug residues, and animal waste contaminants in air and water. Before joining the Center for a Livable Future, Tyler worked for two summers in the legislative office of then-King County Councilmember (now County Executive) Dow Constantine in his hometown of Seattle, focusing on regional transit, environmental cleanup, and the county budget, among other policy areas.

Over the past 10 years, Tyler has worked on more than a dozen political campaigns. He managed a successful parks and recreation levy campaign in Redmond, Washington. In the summer of 2004, Tyler worked on then-U.S. Senator Tom Daschle’s reelection campaign in South Dakota and on the campaign of U.S. Senator Patty Murray in Washington state. Tyler joined CLF in part to use skills acquired on the campaign trail to promote public health. Tyler attended Johns Hopkins as an undergraduate and came to CLF as a research assistant at the end of his junior year, joining the fulltime staff after graduation. In college, Tyler worked with the Johns Hopkins chapter of Engineers Without Borders to install sustainable technologies at community garden sites in KwaZulu-Natal, South Africa. He co-led a month-long trip to the region to install a low-tech “ram pump”—a device with just two moving parts that does not require an artificial power source—to supply community gardens with irrigation water. As a founding member and co-coordinator of JHU Haiti Aid, Tyler helped organize a coalition of 70 student groups in a semester-long campaign that raised thousands of dollars for Partners in Health and the Johns Hopkins Center for Refugee and Disaster Response following the 2010 earthquake. In his senior year, Tyler wrote a thesis on the history of bioethics in the United States and was awarded the 2011 Arthur Kougouell Memorial Prize for best undergraduate thesis by the Department of History.

**Dr. Judy LaKind**

Judy S. LaKind, Ph.D., President of LaKind Associates, LLC, Adjunct Associate Professor, Department of Epidemiology and Public Health, University of Maryland School of Medicine and Adjunct Associate Professor, Department of Pediatrics, Pennsylvania State University College of Medicine, Milton S. Hershey Medical Center is a health and environmental scientist with expertise in strategic risk management, assessment of human exposures and health risks, biomonitoring, state-of-the-science reviews, and environmental regulatory review. Dr. LaKind has spoken and published extensively on risk-related issues, including children's exposures to environmental chemicals, the implications of uncertainty in the risk assessment process, weighing potential risks and benefits related to chemical use, biomonitoring, and time-dependence and distributional analysis of exposure. Dr. LaKind has evaluated the use of human health risk assessment in the development of water quality criteria and has critically analyzed the environmental fate, behavior, and bioavailability of chemicals in the context of setting regulatory criteria. She has extensive experience in the development and critical evaluation of risk assessments for various types of sites including urban industrial sites, military bases, and firing ranges.

Dr. LaKind has taught graduate and undergraduate level courses at The Johns Hopkins University and the University of Maryland in risk assessment and aquatic chemistry. She serves as an Associate Editor for the Journal of Exposure Science and Environmental Epidemiology and is on the editorial boards of the Journal of Toxicology and Environmental Health and Environment International.

Dr. LaKind is a member of the World Health Organization Survey Coordinating Committee for the Global Survey of Human Milk for Persistent Organic Pollutants (POPs) and the Maryland Pesticide Reporting and Information Workgroup. Dr. LaKind has served on: (i) the US Environmental Protection Agency Science Advisory Board Panel: Perchlorate - Approaches for Deriving Maximum Contaminant Level Goals for Drinking Water, (ii) the Institute of Medicine Committee on Blue Water Navy Vietnam Veterans and Agent Orange Exposure, (iii) the Maryland Children's Environmental Health and Protection Advisory Council, and (iv) the Lead Poisoning Prevention Commission. She was also a Science Advisor at the Maryland Department of the Environment. She received her Ph.D. from The Johns Hopkins University, Department of Geography and Environmental Engineering in 1988, her M.S. from the University of Wisconsin, Madison, Geology in 1984, and her B.A. from The Johns Hopkins University, Department of Earth and Planetary Sciences in 1982.

**Dr Ian Hartwell**

Dr. Hartwell has more than thirty years of experience in freshwater, estuarine and marine biological systems. Dr. Hartwell joined [CCMA's Coastal Ocean Assessment, Status, and Trends \(COAST\)](#) team in 1999. Prior to that, he held research positions at the Maryland Department of Natural Resources, the University of Maryland, and private consulting companies. Dr. Hartwell is the chief scientist for the [National Status and Trends](#) Bioassessment Projects. Dr. Hartwell earned a Ph.D. in Aquatic Toxicology from the Virginia Polytechnic Institute and State University, a M.S. in Biological Oceanography from North Carolina State University, and a B.S. in Fisheries Biology from the University of Michigan.