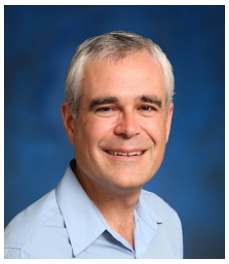
BRIEF BIOGRAPHIES FOR MEMBERS OF THE MICHIGAN PFAS SCIENCE ADVISORY PANEL

Dr. David Savitz - David Savitz is Professor of Epidemiology in the Brown University School of Public Health, with a joint appointment in Obstetrics and Gynecology in the Alpert Medical School. His epidemiological research has addressed a wide range of many important public health issues including environmental hazards in the workplace and community, reproductive health outcomes, and environmental influences on cancer. He has done extensive work on health effects of nonionizing radiation, pesticides, drinking water treatment by-products, and perfluorinated compounds. He is the author of nearly 350 papers in professional journals and editor or author of three books. He was President of the Society for Epidemiologic Research and the Society for Pediatric and Perinatal Epidemiologic Research and North American Regional Councilor for the International Epidemiological Association. Dr. Savitz is a member of the National Academy of Sciences Institute of Medicine. From 2013-2017 he served as Vice President for Research at Brown University.



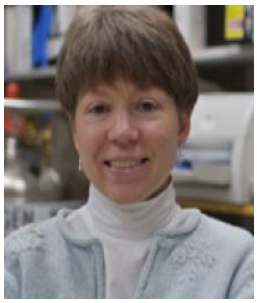
Dr. Scot M. Bartell - Dr. Bartell is Associate Professor in Public Health, Statistics, and Epidemiology at the University of California, Irvine. His research interest is environmental health methodology, with an emphasis on environmental epidemiology, exposure science, and risk assessment. For the C8 Health Project/C8 Science Panel Studies (link is external), Dr. Bartell has worked on linking fate and transport models and a pharmacokinetic model for perfluorooctanoic acid (PFOA, or "C8") with individual-level residential histories and health outcomes. He has also developed formal statistical methods for biomarker-based exposure estimation and for estimating the biological half-life from observational data in the presence of ongoing exposures. He has served on scientific advisory committees for the National Research Council, the U.S. Environmental Protection Agency, the Centers for Disease Control and Prevention, the National Institute of Environmental Health Sciences, the U.S. Department of Energy, and the International Agency for Research on Cancer.

Dr. Christopher Lau – Dr. Lau is Chief of Developmental Toxicology Branch in Toxicity Assessment Division, National Health and Environmental Effects Research Laboratory in the Office of Research and Development at U.S. Environmental Protection Agency (US EPA). He also holds appointments of Adjunct Assistant Professor at Duke University (Department of Pharmacology and Cancer Biology) and Adjunct Professor

at North Carolina State University (Department of Molecular Biomedical Sciences, College of Veterinary Medicine), and serves as Associate Editor for *Toxicology, Reproductive Toxicology,* and *PPAR Research*. His research focuses on characterizing the chemically induced developmental toxicity during embryonic and perinatal life stages, understanding their modes of action, and applying such information to human health risk assessment. He has led a team of investigators on PFAS toxicological research for over a decade, and published extensively on this topic. He is presently engaged in developing a federal science policy on these chemicals.

Dr. Susan Masten - Professor Masten's research involves the use of chemical oxidants for the remediation of soils, water, and leachates contaminated with hazardous organic chemicals. Her research is presently focused on the in-situ use of gaseous ozone to oxidize residual contaminant in saturated soils using ozone sparging and in unsaturated soils using soil venting. Dr. Masten is also very interested in evaluating the toxicity of the by-products of chemical oxidation processes as measured by gap junction intercellular communication. Work has focused on the ozonation and chlorination of several pesticides, including atrazine, alachlor, and lindane and on the PAHs, especially pyrene. Current work is being conducted to identify the by-products formed upon the ozonation of several PAHs and to assess their toxicity.

Dr. Dan Jones - Dr. Jones's research interests lie in improving mass spectrometry and separation strategies and applying them to perform global profiling of metabolites. This approach, known as metabolomics, probes the influence of genetics and environment on rates of biosynthesis and degradation of metabolites. Such measurements lie at the heart of systems biology approaches for engineering plants and microorganisms for improved productivity, as biosensors, and as valuable sources of an assortment of bioactive chemicals. Furthermore, the information in the metabolome can be used as biomarkers of stress, toxicity, and disease. His areas of expertise include mass spectrometry, separations, and analytical chemistry; analytical strategies for metabolomics and metabolite profiling; posttranslational modification of proteins in aging, toxicity, and disease; chemical ecology; plant-insect and plant-pathogen interactions; and high-throughput techniques for discovery of bioactive natural products.



Dr. Jennifer Field – Dr. Field's current research focuses on the development and application of quantitative analytical methods for organic micropollutants and their transformation products in natural and engineered systems. Early in her career, she focused on field-based research to investigate the fate and transport of surfactants in groundwater and wastewater treatment systems. She participated in interdisciplinary research with hydrologists and engineers in order to develop 'push-pull' tracer test methods for determining *in-situ* rates of reductive dechlorination and anaerobic biodegradation of aromatic hydrocarbons. She was a pioneer in the area of fluorochemical occurrence and behavior with a focus on groundwater contaminated by fire-fighting foams, municipal wastewater treatment systems, and in municipal landfill leachates. Her current research in the area of environmental analytical chemistry concentrates on the use of large-volume injections with liquid chromatography/mass spectrometry as a quantitative yet cost- and time-saving approach for the analysis of aqueous environmental samples. Applications of the large-volume injection technique include measurements of illicit drugs in municipal wastewater as an alternative indicator of community drug use; components of the Corexit oil dispersant in seawater, and newly-identified fluorochemicals in groundwater and landfill leachate. She serves as an Associate Editor for Environmental Science and Technology and was an editor for Water Research from 2004-2008.