



John Wambaugh, PhD
Co-Leader of the ExpoCast Project, EPA National Center for Computation Toxicology

Dr. John Wambaugh is a Physical Scientist with the U.S. Environmental Protection Agency's (EPA's) National Center for Computational Toxicology (NCCT). John researches high throughput methods for prioritizing the risk posed by chemicals to human and environmental health. This research includes methods for exposure, toxicokinetics, and toxicology. With Dr. Kristin Isaacs of EPA's National Exposure Research Laboratory, John co-leads the EPA "ExpoCast" (exposure forecasting) project. John is also a member of the ToxCast research team. John develops and evaluates predictive models using mathematics, machine learning, and applied statistics. He also collaborates on the design of new experiments (including non-targeted chemical analyses and *in vitro* methods) to refine models and reduce uncertainty. John is an Associate Editor at Environmental Health Perspectives and the Journal of Exposure Science and Environmental Epidemiology. He has co-authored more than sixty peer-reviewed publications. John received his Ph.D. in physics from Duke University in 2006. He trained as a post-doctoral researcher with NCCT, where he studied toxicokinetics and statistical analysis of biological models with an emphasis on Bayesian methods and data fusion.