John Wambaugh, Ph.D.

John Wambaugh received his B.S. (Physics) from the University of Michigan, Ann Arbor. He obtained a M.S. (Physics) from Georgia Institute of Technology and a M.S. (Computer Science) and Ph.D. (Physics) from Duke University. His Ph.D. research focused on experimental non-equilibrium statistical mechanics, especially how large-scale behaviors can depend on small-scale differences. John worked with Woodrow Setzer (EPA/NCCT) and Hugh Barton (formerly EPA/NCCT) as a post-doctoral researcher studying the statistical analysis of biological models, with an emphasis on Bayesian methods and integrating multiple data types. John now works as a Physical Scientist for the NCCT on multiple projects, including the Virtual Liver, ExpoCast and ToxCast. John's research on these projects focuses on predicting chemical effects in and exposures to humans using *in vitro* laboratory measurements and computer simulations.