



**Rebecca Clewell** is a research investigator at The Hamner Institutes for Health Sciences in North Carolina, USA. Rebecca received her B.S. and M.S. in Chemistry from Wright State University in Ohio and her Ph.D. in Environmental Science and Engineering from the University of North Carolina at Chapel Hill. Rebecca's research focuses on developing in vitro and in silico tools that will aid in the interpretation and replacement of animal-based toxicity studies. By collecting and integrating data on chemical dose-response, pharmacokinetics, and mechanisms of action, she seeks to characterize both target chemical dose and biological effect across doses. She is currently leading The Hamner's Toxicity Testing in the 21<sup>st</sup> Century (TT21C) laboratory efforts, including research efforts on two important cellular signaling pathways: DNA repair and estrogen receptor activation.