



**James Bus, PhD, DABT, Fellow ATS**  
**Senior Managing Scientist**

**Professional Profile**

Dr. James Bus is a Senior Managing Scientist in Exponent's Health Science Center for Toxicology and Mechanistic Biology. Dr. Bus has over 35 years of toxicology experience focused on research and evidence-based literature analyses informing potential health risks associated with chemical and pesticide exposures. He offers chemical specific and strategic toxicology expertise addressing development, stewardship, and regulatory needs to individual industry clients and business consortia and government and non-governmental agencies. Dr. Bus provides expertise in design, implementation, and interpretation of toxicity tests and mode of action and dose response/exposure evaluations furthering translation of toxicology findings to risk assessment. His expertise includes target-organ and endpoint-specific modes of action, and specific toxicity of chemicals including chlorinated organics, ethylene glycol and glycol ethers, aromatic derivatives benzene, styrene, aniline and others, and pesticides such as 2,4-D. His research interests include toxicokinetic mechanisms mediating dose-dependent expression of chemical toxicity. He has over 120 research and review publications and has received both the Achievement Award and Founder's Award from the Society of Toxicology in recognition of his research and leadership in toxicology.

Dr. Bus' experience includes over 23 years as a consulting toxicologist in the Toxicology and Environmental Research and Consulting unit of The Dow Chemical Company. He previously held positions at the Upjohn Company, the Chemical Industry Institute of Toxicology, and as Assistant Professor of Toxicology at the University of Cincinnati. Across all of these positions he focused on providing consulting and research expertise in support of health risk evaluations of environmental and industrial chemicals and pesticide and pharmaceutical products.

Dr. Bus has served as President of the Society of Toxicology, the American Board of Toxicology, and the Academy of Toxicological Sciences, and as a Director of the International Union of Toxicology. He has served on various toxicology-related advisory Boards and Panels including: ILSI-HESI and ILSI Research Foundation; the American Chemical Council Long-Range Research Strategic Science Team; both EPA ORD Board of Scientific Counselors and Chartered Science Advisory Board; the National Academy of Sciences Board on Environmental Studies and Toxicology; the National Institutes of Environmental Health Sciences/National Toxicology Program Board of Scientific Counselors (Technical Reviews Subcommittee); the FDA National Center for Toxicology Research Science Advisory Board; and Board of Directors of the Hamner Institutes. In addition, Dr. Bus served on the Chemical Substances (TLV) Committee of the American Conference of Governmental and Industrial Hygienists, the Program Committee of the Toxicology Forum, and advisory boards of the University of Michigan and Purdue University. He is an Adjunct Professor in the Department of Pharmacology and Toxicology at Michigan State University.

