Thomas Hartung, MD PhD, is the Doerenkamp-Zbinden-Chair for Evidence-based Toxicology in the Department of Environmental Health and Engineering at **Johns Hopkins Bloomberg School of Public Health** and the **Whiting School of Engineering**, Baltimore. He also holds a joint appointment for Molecular Microbiology and Immunology at the Bloomberg School and as faculty in the Cellular and Molecular Medicine program in the **Johns Hopkins School of Medicine**. He is adjunct affiliate professor at **Georgetown University**, Washington D.C.. In addition, he holds a joint appointment as Professor for Pharmacology and Toxicology at **University of Konstanz**, Germany. He is faculty affiliate of the Johns Hopkins Data Science and AI Institute (DSAI), of the Wendy Klag Center for Autism and Developmental Disabilities (WKC) and the Health Innovation Translation Council. He also is Director of Centers for Alternatives to Animal Testing (CAAT, http://caat.jhsph.edu) of both universities. CAAT hosts the secretariat of the Evidence-based Toxicology Collaboration (http://www.ebtox.org) and manages collaborative programs on Good Read-Across Practice, Good Cell Culture Practice, Green Toxicology, Developmental Neurotoxicity, Developmental Immunotoxicity, Microphysiological Systems and Refinement. As PI, he headed the Human Toxome project funded as an NIH Transformative Research Grant and the series of annual Microphysiological Systems World Summits starting in 2022 by 60+ organizations. He has initiated a Human Exposome Moonshot Forum in Washington in May 2025, which has been joined by 60+ organizations so far. He is the founding Field Chief Editor of Frontiers in Artificial Intelligence, which published 1700+ articles since 2018. He is the former Head of the European Commission's Center for the Validation of Alternative Methods (ECVAM), Ispra, Italy, and has authored more than 760 scientific publications with more than 56,000 citations (h-index 129). His toxicology classes on COURSERA had more than 23,000 active learners.