

STATE OF SCIENCE ON DEVELOPMENT AND USE OF NAMs FOR CHEMICAL SAFETY TESTING

Location: Hybrid: Zoom and In-Person at:
U.S. Environmental Protection Agency
Research Triangle Park, NC Auditorium

Date: November 5-6, 2024

Agenda: All titles represent working titles and are subject to change.

Time	Working Title	Presenter (Affiliation)
Day 1 (Tuesday, November 5, 2024)		
12:00 pm	Registration	
1:00 pm	Welcome	
NAMs Work Plan Implementation and Validation Update		
1:10 – 1:30 pm	Day 1 Overview and NAMs Work Plan Progress Update	Rusty Thomas (EPA)
1:30 – 2:00 pm	ICCVAM Validation Report and Overview of Validation Programs Managed by NICETAM	Nicole Kleinstreuer (NICEATM)
2:00 – 2:30 pm	OECD GD 34 Revision Project and EPA Confidence Framework	Alison Harrill (EPA)
Exposure NAMs		
2:30 – 3:00 pm	Development and Application of Exposure NAMs at EPA	Kristin Isaacs (EPA)
3:00 – 3:30 pm	<i>Break</i>	
3:30 – 4:00 pm	Spatiotemporal Models to Evaluate Health Risks to Environmental Chemicals	Kyle Messier (NIEHS)
4:00 – 4:30 pm	Application of Non-Targeted Analysis to Characterize Environmental Contamination from PFAS	Sin Urban (Maryland Department of Health)

Time	Working Title	Presenter (Affiliation)
4:30 – 5:00 pm	Human and Environmental Exposure Framework for Biosolids	Carsten Prasse (Johns Hopkins University)
5:00 – 5:10 pm	Session Wrap Up	Annette Guiseppi-Elie (EPA)
Day 2 (Wednesday, November 6, 2024)		
9:00 am	Welcome	
9:10 – 9:30 am	Day 2 Overview and Charge	Anna Lowit (EPA)
Omics		
9:30 – 10:00 am	Collaborative Vision for Omics-Based Chemical Testing	Connie Mitchell (HESI)
10:00 – 10:30 am	Development and Application of Transcriptomics in EPA	Logan Everett (EPA)
10:30 – 11:00 am	<i>Break</i>	
11:00 – 11:30 am	Use of Omics to Inform Development and Safety of New Pesticide Active Ingredients	Jessica LaRocca (Corteva Agriscience)
11:30 am – 12:00 pm	Application of Omics in Ecotoxicology	Chris Martyniuk (University of Florida)
12:00 – 12:30 pm	Development and Extension of OECD Omics Reporting Framework	Matthew Meier (Health Canada)
12:30 – 12:40 pm	Session Wrap Up	Monique Perron (EPA)
Lunch		
12:40 – 1:30 pm	<i>Lunch</i>	

Time	Working Title	Presenter (Affiliation)
In Vitro to In Vivo Extrapolation		
1:30 – 2:00 pm	Developments in High-Throughput Toxicokinetics and Performance Characterization	John Wambaugh (EPA)
2:00 – 2:30 pm	Modeling and Translation of <i>In Vitro</i> Effect Concentrations: Incorporating Chemical Disposition	Fabian Fischer (University of Rhode Island)
2:30 – 3:00 pm	Characterizing Toxicokinetics in Microphysiological Systems	Shane Hutson (Vanderbilt University)
3:00 – 3:30 pm	<i>Break</i>	
3:30 – 4:00 pm	Developing Internal Thresholds of Toxicological Concern	Jon Arnot (Arnot Consulting)
4:00 – 4:30 pm	Existing OECD Guidance on Toxicokinetics, <i>In Vitro</i> -to- <i>In Vivo</i> Extrapolation, and Future Opportunities	Alicia Paini (EFSA)
4:30 – 4:40 pm	Session Wrap Up	Rusty Thomas (EPA)
Meeting Closing		
4:40 – 5:00 pm	Meeting Wrap Up	