EPA NAM Conference 2020: State of the Sciences on Development and Use of NAMs for Chemical Safety Testing

Location: Virtual – Video link to be provided to registered participants

Dates: October 19 and 20, 2020

Time: Day 1: 9:00 am – 1:00 pm
Day 2: 9:00 am – 1:00 pm

Agenda

Day 1		
9:00 – 9:15 am	Welcome	Jennifer Orme-Zavaleta (EPA)
9:15 – 9:30 am	Charge to the Group	Andrew Wheeler (EPA)
Implementation of Animal Testing Reduction at EPA		
9:30 – 10:00 am	Overview of EPA NAMs Work Plan	Russell Thomas (EPA)
10:00 – 10:30 am	Progress on Implementing the TSCA Alternatives Strategic Plan	Gino Scarano (EPA)
State of the Science in Development of NAMs		
10:30 – 11:00 am	Using chemical, biological and in vivo data for NAMs - which data do we have, and what can we do with it?	Andreas Bender (Cambridge)
11:00 – 11:15 am	Break	
11:15 – 11:45 am	Transcriptome-Based Derivation of an *In Vivo* POD: Current and Future Utility	Kamin Johnson (Corteva)
11:45 am – 12:15 pm	Drugmonizome and Drugmonizome-ML: Integration and Abstraction of Small Molecule Attributes for Drug Set Enrichment Analysis and Machine Learning	Avi Ma'ayan (Mount Sinai)
12:15 – 12:45 pm	"Fit for Purpose" for Organotypic Models in Environmental Health Protection	Ivan Rusyn (Texas A&M)
12:45 – 1:00 pm	Closing remarks	David Fisher (EPA)

Day 2		
9:00 – 9:30 am	Welcome	Alexandra Dunn (EPA)
Addressing Current Limitations in NAMs		
9:30 – 10:00 am	Retrofitting an Estrogen Receptor Transactivation Assay with Metabolic Competence	Chad Deisenroth (EPA)
10:00 – 10:30 am	*In Vitro* Disposition of Tox21 Chemicals: Initial Results and Next Steps	David Crizer (NTP)
Developing Scientific Confidence in NAMs		
10:30 – 11:00 am	An OECD Harmonized Template (OHT) to Report NAM Results in Regulatory Environments: Principles and Practical Use	Clemens Wittwehr (JRC)
11:00 – 11:15 am	Break	
11:15 – 11:45 am	Case Study #1: Integration of NAM Data for Evaluating Potential Developmental Neurotoxicity	Monique Perron (EPA)
11:45 am – 12:15 pm	Case Study #2: Integration of NAM Data in a Next Generation Risk Assessment for Cosmetic Ingredients	Andrew White (Unilever)
12:15 – 12:45 pm	Case Study #3: Incorporating the Threshold of Toxicological Concern into Regulatory Decisions under the Amended Toxic Substances Control Act	Todd Stedeford (EPA)
12:45 – 1:00 pm	Closing remarks	David Dunlap (EPA)

Additional information

*Participants will be encouraged to submit questions for the speakers prior to the meeting. Speakers will be asked to select two or three questions to answer at the end of their talk. This form of audience participation was included instead of breakout groups, which would be difficult to implement in a virtual conference.

**All times are US Eastern Standard Time.