

STATE OF THE SCIENCE ON DEVELOPMENT AND USE OF NEW APPROACH METHODS (NAMs) FOR CHEMICAL SAFETY TESTING

Location: U.S. Environmental Protection Agency
William Jefferson Clinton East Building
Room 1153 (the Map Room)

Date: December 17, 2019

Time: 9:30 am – 5:30 pm*



Agenda

8:30 am – 9:45 am	Registration	
9:45 am – 10:00 am	Welcome	Alexandra Dunn (EPA)
	Charge to the Group	Andrew Wheeler (EPA)

Establishing Baselines for Animal Use at EPA and Opportunities for Reduction

10:00 am – 10:20 am	Retrospective analysis of the statutory requirements, study requests, and research utilization in OCSP and ORD	Anna Lowit (EPA)
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Variability and Relevance of Current Animal Tests and Expectations for NAMs

10:20 am – 10:40 am	Concordance of the toxicity of pharmaceuticals in animals and human	Thomas Monticello (Amgen)
10:40 am – 11:00 am	Variability of animal studies for acute toxicity, skin sensitization, and mechanistic responses	Nicole Kleinstreuer (NICEATM)**
11:00 am – 11:20 pm	Qualitative and quantitative variability of repeat dose animal toxicity studies	Katie Paul-Friedman (EPA)

State of the Science in Development and Application of NAMs

11:20 pm – 11:40 pm	Development of NAMs to predict acute toxicological responses	Dave Allen (Integrated Laboratory Systems)
11:40 pm – 12:00 pm	Application of NAMs for quantitative screening level risk decisions	Tara Barton-Maclaren (Health Canada)
12:00 pm – 1:00 pm	Lunch	
1:00 pm – 1:20 pm	State of the science for predicting developmental toxicity using NAMs	George Daston (Proctor & Gamble)

State of the Science in Development and Application of NAMs (continued)

1:20 pm – 1:40 pm	Advances in the development of organotypic and tissue chip technologies for toxicity testing	Dan Tagle (National Institutes of Health)
1:40 pm – 2:00 pm	Development and application of <i>in vitro</i> methods for evaluating respiratory irritants	Doug Wolf (Syngenta)
2:00 pm – 2:20 pm	Identifying endocrine disrupting chemicals using <i>in vitro</i> and computational approaches	Maureen Gwinn (EPA)
2:20 pm – 2:40 pm	Break	

Developing Scientific Confidence in NAMs

2:40 pm – 3:00 pm*	New Approaches to Validation and Characterizing Performance of NAMs	Warren Casey (NICEATM)**
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Conference Webinar Access Concludes

Breakout Discussions

Webinar Access Will Not Be Available

3:10 pm – 4:40 pm	Breakout Group #1 - Variability and Relevance of Current Animal Tests and Expectations of NAMs	Dan Krewski (University of Ottawa) – Discussion Lead David Dorman (North Carolina State University) – Rapporteur
3:10 pm – 4:40 pm	Breakout Group #2 - State of the Science in Development and Application of Alternatives	Mel Andersen (Scitovation) – Discussion Lead Kim Boekelheide (Brown University) – Rapporteur
3:10 pm – 4:40 pm	Breakout Group #3 – Developing Scientific Confidence in NAMs	Warren Casey (NICEATM)** – Discussion Lead Amy Clippinger (People for the Ethical Treatment of Animals) – Rapporteur
4:40 pm – 5:20 pm	Report Out	Rapporteurs
5:20 pm – 5:30 pm	Closing remarks	Jennifer Orme-Zavaleta (EPA)

Additional information

*Remote access will be available from 9:30 am to 3:00 pm. Information about how to participate remotely will be distributed after you register for the conference.

**National Toxicology Program Interagency Center for the Evaluation of Alternative Toxicological Methods (NICEATM)