

**U.S. EPA Office of Research and Development
Board of Scientific Counselors Subcommittee
Chemical Safety for Sustainability and
Health and Environmental Risk Assessment National Research Programs
Virtual Meeting on February 2-5, 2021**

FEBRUARY 2, 2021

TIME (EST)	AGENDA ACTIVITY	PRESENTER
12:00 - 12:10	Meeting kick off/FACA rules/expectations/logistics	Tom Tracy, DFO, OSAPE
12:10- 12:15	ORD Welcome	Jennifer Orme-Zavaleta, ORD Principal DAA for Science
12:15 - 12:25	Subcommittee Chair Opening Remarks and Introductions	Katrina Waters, Chair
12:25 - 12:45	CSS NAMs Research and Development Portfolio: Connecting the Dots to Relevance and Acceptance	Jeff Frithsen, NPD, CSS
12:45 - 1:05	HERA Advancing the Science and Practice of Risk Assessment	Samantha Jones, NPD, HERA
1:05 - 1:20	Moving from the StRAPs to Implementation by ORD Investigators	Jill Franzosa, ACD, CCTE
1:20 - 1:50	Evolution of NAMs in EPA: From Research to Application	Rusty Thomas, CD, CCTE
1:50 - 2:15	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
2:15 - 2:30	NAMs Research Introduction with Charge Question	Jeff Frithsen, NPD, CSS
2:30 – 2:45	BREAK & Transition to Virtual Break-out Rooms	
CSS SESSION 1: CONCURRENT PRESENTATIONS ON NAMS RESEARCH		
Note: Each research topic will be presented in 25 minutes including time for specific questions.		
2:45 - 4:00	SESSION A: Emerging Approaches to Hazard Testing	
	1. High Throughput Phenotypic Profiling	Joshua Harrill, CCTE
	2. High Throughput Transcriptomics	Logan Everett, CCTE
	3. Retrofitting <i>in vitro</i> Systems with Metabolic Competence	Chad Deisenroth, CCTE
	SESSION B: NAMs for Exposure	
	1. High Throughput Exposure Models (SEEM)	John Wambaugh, CCTE
	2. High Throughput Toxicokinetic Models and IVIVE	Barbara Wetmore, CCTE
	3. Non-Targeted Analysis	Jon Sobus, CCTE
	SESSION C: NAMs for Ecotoxicological Applications	
	1. Approaches and Models for Species Extrapolation	Carlie LaLone, CCTE
	2. Novel <i>in vitro</i> Methods for Ecological Species	Brett Blackwell, CCTE
	3. High Throughput Transcriptomics: A Multi-Species Approach	Kevin Flynn, CCTE
	SESSION D: System-specific Models and Approaches	
	1. Development and Harmonization of Organotypic/Co-Culture Models and Assays to Improve Throughput and <i>In Vivo</i> Relevance in Inhaled Chemical Testing	Shaun McCullough, CPHEA
	2. An Approach Using NAMs for the Evaluation of Inhalation Toxicity in OCSPP Chemical Registrations	Mark Higuchi, CPHEA
	3. Neurovascular Unit Modeling and Blood Brain Barrier Function	Tom Knudsen, CCTE
4:00 - 5:00	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
5:00	ADJOURN	

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FEBRUARY 3, 2021

TIME (EST)	AGENDA ACTIVITY	PRESENTER
12:00 - 12:10	Public comments	Tom Tracy, DFO, OSAPE
12:10- 12:15	BOSC Subcommittee Chair Opening Remarks	Katrina Waters, Chair
CSS SESSION 2: APPLICATIONS OF NAMs TO AGENCY AND STATE PROGRAMS		
12:15 - 12:30	NAMs Applications Introduction with Charge Question	Jeff Frithsen, NPD, CSS
12:30 - 1:00	OCSP-P-TSCA Inventory: Prioritization Proof of Concept	Richard Judson, CCTE
1:00 - 1:30	Developmental Neurotoxicity (DNT) <i>in vitro</i> Battery as an Alternative to DNT <i>in vivo</i> Guideline Studies Used by OPP	Tim Shafer, CCTE
1:30 - 2:00	Implementing a Workflow for Exposure Screening of Drinking Water Contaminants of Concern	Kristin Isaacs, CCTE
2:00 - 2:30	Application of NAMs and AOPs to Surface Water Surveillance and Monitoring in the Great Lakes (EPA Region 5) and a Western River (EPA Region 8)	Dan Villeneuve, CCTE
2:30 – 2:45	BREAK	
2:45 – 3:15	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
CSS SESSION 3: DEMONSTRATIONS OF TOOLS		
3:15 - 3:30	NAMs Tools Demo Intro with Charge Question	Jeff Frithsen, NPD, CSS
3:30 - 4:00	CompTox Chemicals Dashboard	Tony Williams, CCTE
4:00 - 4:30	SeqAPASS	Carlie LaLone, CCTE
4:30 - 5:00	Factotum: Curation of Exposure-Relevant Public Data	Kristin Isaacs, CCTE
5:00 - 5:30	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
5:30	ADJOURN	

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FEBRUARY 4, 2021

TIME (EST)	AGENDA ACTIVITY	PRESENTER
12:00 – 12:05	Meeting kick off/FACA rules/expectations/logistics	Tom Tracy, DFO, OSAPE
12:05- 12:15	BOSC Subcommittee Chair Opening Remarks	Katrina Waters, Chair
12:15 – 12:25	Connecting Assessment Needs to HERA Research	Beth Owens, PANPD, HERA
12:25 – 12:35	ORD Implementation	Wayne Cascio, CD, CPHEA
12:35 – 12:50	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
HERA SESSION 1: Applying NAMS to Inform HERA Assessments		
12:50 – 1:00	Applying NAMs to Inform HERA Assessments with Charge Question	Luci Lizarraga, CPHEA
1:00 – 1:20	Advancing Read-across in HERA	Luci Lizarraga, CPHEA
1:20 – 1:40	Filling Metabolism Data Gaps in Read-across	Grace Patlewicz, CCTE
1:40 – 2:00	Adverse Outcome Pathway (AOP) Footprinting for Mixtures	Jason Lambert, CCTE
2:00 – 2:40	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
2:40 – 2:50	BREAK	
HERA SESSION 2: Advancing Systematic Review Methods		
2:50 – 3:05	Advancing SR Methods and Tools Intro with Charge Question	Kris Thayer, CPHEA
3:05 – 3:25	Organizing and Evaluating Mechanistic Evidence	Catherine Gibbons, CPHEA
3:25 – 3:45	Automated Data Extraction	Michele Taylor, CPHEA
3:45 – 4:05	Semantic Ontology Mapping	Michelle Angrish, CPHEA
4:05 – 4:25	Application of Systematic Evidence Map Methods to Characterize Available Evidence for PFAS	Laura Carlson, CPHEA
4:25 – 5:00	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
5:00	ADJOURN	

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FEBRUARY 5, 2021

TIME (EST)	AGENDA ACTIVITY	PRESENTER
12:00 – 12:05	Meeting kick off/FACA rules/expectations/logistics	Tom Tracy, DFO, OSAPE
12:05 – 12:20	BOSC Subcommittee Chair Opening Remarks	Katrina Waters, Chair
HERA SESSION 3: Advancing Dose-Response Analyses and Tools		
12:20 – 12:35	Advancing Dose-Response Intro with Charge Question	John Vandenberg, CPHEA
12:35 – 12:55	Multi-path Particle Dosimetry (MPPD) Model	Annie Jarabek, CPHEA
12:55 – 1:15	Bayesian Model Averaging and BMDS 3.2	Allen Davis, CPHEA
1:15 – 1:35	Approximate Probabilistic Analysis (APROBA)	Todd Blessinger, CPHEA
1:35 – 2:10	BOSC Subcommittee discussion and Qs/As	Katrina Waters, Chair
CSS-HERA Closing		
2:10 – 2:30	Closing Statements and Responses	Samantha Jones, NPD, HERA Jeff Frithsen, NPD, CSS
2:30 – 5:00	BOSC Subcommittee Deliberations	Katrina Waters, Chair
5:00	ADJOURN	