

## December 10-11, 2018 NAS Building | 2101 Constitution Avenue NW | Washington, DC | Lecture Room

	Monday, December 10, 2018
8:30	Welcome and Overview of the Workshop  Ivan Rusyn*, Texas A&M University
8:40	Systematic Review: Best Practices and Special Considerations for Mechanistic Data Holger Schünemann*, McMaster University
9:00	The Systematic Review of Mechanistic Data in IRIS Assessments Catherine Gibbons, US Environmental Protection Agency
	SESSION 1: Problem Formulation for Evaluating Mechanistic Data
9:20	Principles of Problem Formulation and Approaches to Considering Mechanistic Data  Julian Higgins, University of Bristol
9:50	Problem Formulation: Lessons and Tools from Practical Applications Involving Systematic Review of Mechanistic Data  Daniele Wikoff, ToxStrategies
10:20	Panel Discussion: Moderator: Holger Schünemann*, McMaster University Discussants: Session 1 Speakers; Andrew Rooney*, National Toxicology Program; Maureen Gwinn, US Environmental Protection Agency
11:30	Poster Session (East Court adjacent to Lecture Room)
12:30	Lunch (Will not be provided. There is a cafeteria on Lower Level)
	SESSION 2: Approaches to Evaluating the Validity of Mechanistic Studies
1:30	Consideration of Internal and External Validity in Mechanistic Studies

Andrew Rooney\*, Office of Health Assessment and Translation, National Toxicology Program

<sup>\*</sup> Member of workshop organizing committee.

1:55	Quality Assessment of Big and Complex Data in Pharmaceutical Target and Chemical Safety Assessment Matthew Martin, Pfizer Drug Safety Research & Development
2:20	OECD Good In Vitro Method Practices (GIVIMP) Guidance and Its Implementation Sandra Coecke, European Commission Joint Research Centre
2:45	The SciRAP Tool for Evaluating the Quality of In Vitro Studies  Anna Beronius, Karolinska Institutet
3:10	Break
3:30	Panel Discussion:  Moderator: Ivan Rusyn*, Texas A&M University  Discussants: Session 2 Speakers; David Dorman, North Carolina State University; Julian Higgins,  University of Bristol; Tala Henry, US Environmental Protection Agency
4:30	Poster Session (East Court adjacent to Lecture Room)
6:00	End of Day 1
	Tuesday, December 11, 2018
8:30	Welcome and Opening Remarks  Ivan Rusyn*, Texas A&M University
	SESSION 3: Assimilating and Using Mechanistic Information to Support Evidence Synthesis and Integration
8:40	Experiences with the Mode-of-Action Framework as an Organizing Framework for Mechanistic Data James Klaunig, Indiana University
9:10	Development and Use of Quantitative Adverse Outcome Pathways: Lessons Learned from Application to Cardiotoxicity  Weihsueh Chiu, Texas A&M University
9:40	The Key Characteristics Approach to Evaluating Mechanistic Data in Hazard Identification and Risk Assessment  Martyn T. Smith, University of California, Berkeley
10:10	GRADE Evidence-to-Decision Frameworks for Considering Mechanistic Data with Animal and Human Data to Support Evidence Synthesis and Integration  Holger Schünemann*, McMaster University
10:40	Break
11:00	Panel Discussion: Moderator: Joyce Tsuji*, Exponent Discussants: Session 3 Speakers; David Dorman, North Carolina State University; Heather Lynch, Gradient Corporation; Elizabeth Méndez, US Environmental Protection Agency
12:00	Lunch (Will not be provided. There is a cafeteria on Lower Level)
1:00	Poster Session (East Court adjacent to Lecture Room)

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	SESSION 4: Practical Experience with Implementing Systematic Reviews of Mechanistic Evidence into Human Health Assessments
2:00	Integrating Mechanistic Evidence into TCEQ Assessments Sabine Lange, Texas Commission on Environmental Quality
2:30	Approaches Used to Integrate Mechanistic Data into the Report on Carcinogens by the National Toxicology Program  Amy Wang, Office of the Report on Carcinogens, National Toxicology Program
3:00	Implementing Systematic Review Methods and Approaches in TSCA Risk Evaluations Iris Camacho, US Environmental Protection Agency
3:30	Panel Discussion:  Moderator: Katya Tsaioun*, Johns Hopkins University  Discussants: Session 4 Speakers; Daniele Wikoff, ToxStrategies; Heather Lynch, Gradient Corporation;  Andrew Kraft, US Environmental Protection Agency
4:45	Closing Remarks Ivan Rusyn*, Texas A&M University
5:00	Workshop Adjourns

<sup>\*</sup> Member of workshop organizing committee.