



March 3, 2021



ACC Science and Research Highlights

ACC Science & Research
at the Society of Toxicology Meeting
March 12-26, 2021



[Click here for the SOT Annual Meeting Virtual Event Program Overview](#)

Society of Toxicology (SOT) Annual Meeting Virtual Event | March 12-26, 2021

Thousands of scientists from the U.S. and across the globe will participate in this year's virtual annual meeting of the Society of Toxicology (SOT) on March 12-26. The SOT is the largest professional society of toxicologists in the world. For ACC, the annual SOT meeting provides a unique opportunity to communicate our latest research results and to interact with others engaged in related areas of research, testing and assessment. The SOT meeting also provides a great opportunity for networking and catalyzing collaborations within and across sectors. While the need to hold virtual meeting this year possess challenges, the SOT program is built upon virtual engagement platforms that include live and on-demand viewing of sessions (recordings available until 5/31/21), interactive participation with presenters and science exhibitors, and small-group interactions and networking events.

Presentations of LRI Supported Research:

Six presentations by scientists leading LRI research investigations are slated for the SOT meeting (see table below). LRI research actualizes ACC members' continuing commitment to advance scientific understanding of the potential impacts of chemicals on human health and the environment and is guided by our [ACC LRI Research Strategy 2020-2024](#). ACC's LRI research projects are oriented toward:

- 1) Further development and use of predictive exposure models
- 2) Refinement of tools and approaches that can extrapolate results from *in vitro* assays to real-world human exposures
- 3) Development of fit-for-purpose assays that are envisioned to provide the means to conduct targeted cellular-based safety assessments
- 4) Advancing the development and application of the Threshold of Toxicological Concern (TTC), including the internal TTC (iTTC).

The selection of these LRI research projects for presentation at the SOT meeting reflects the importance and credibility of LRI research and the prominence of LRI researchers and demonstrates LRI's commitment to scientific excellence and public dissemination of research results. [LRI's Principles](#) ensure that LRI funded research meets the highest standards for scientific excellence, transparency, and fair and unbiased conduct.

Presentations of Scientific Research Conducted or Supported by ACC Panels:

ACC and our members are dedicated to improving public understanding of the safety and benefits of chemicals, as well as our understanding of the potential health and environmental risks. By supporting and conducting innovative, ground-breaking research, ACC helps to advance 21st century approaches that improve science and risk-based decision making and contributes to strengthening the link between research, product stewardship and regulatory science policies. Scientific presentations at SOT from studies supported by [ACC's Chemical Products and Technologies Division](#) on enhancing knowledge of the potential toxicities and risks of specific chemicals will be reported at this SOT meeting.



Date Time Session Type	Abstract Title (Abstract # Poster#)	Presenting Author (Affiliation)	ACC Group / Research Support	Session Title
3/16 11:15AM - 1:00PM <i>Poster</i>	Assessment of Mechanistic Data for Hexavalent Chromium-Induced Rodent Intestinal Cancer Using the Key Characteristics of Carcinogens (Abs #2019 Poster #P120)	G. Chappell (ToxStrategies)	ACC Cr6 Science Panel	Carcinogenicity
3/16 12:10PM - 12:35PM <i>Platform Presentation</i>	Prioritizing Chemicals and Research Needs Using High-Throughput Exposure Models (Abs #1098) <i>Platform Session is 11:15AM - 2:00PM</i>	J. Arnot (ARC Arnot Research and Consulting)	ACC LRI	New Approach Methodologies for Exposure: Advancing Chemical Risk Assessment
3/17 11:15AM - 1:00PM <i>Poster</i>	Transcriptomics Analysis in Rat 2D and 3D Hepatic Co-culture Models as an Alternative to Traditional Hepatotoxicity Testing (Abs #2139 Poster #P132)	A. Stern (ScitoVation)	ACC LRI	Liver: In Vitro
3/22 12:40PM - 1:05PM <i>Platform Presentation</i>	Working toward the Development of an Internal Threshold of Toxicological Concern (iTTC) (Abs #1235) <i>Platform Session is 11:15AM - 2:00PM</i>	C. Ellison (P&G)	ACC LRI	Thresholds of Toxicological Concern
3/22 1:00PM - 2:45PM): <i>Poster</i>	Evaluating the Impact of Endogenous Formaldehyde Production on Cancer Risk (Abs #2603 Poster #P341)	R. Conolly (Ramboll)	Formaldehyde TSCA Risk Evaluation Consortium	Risk Assessment
3/22 1:00PM - 2:45PM <i>Poster</i>	Poorly Soluble, Low Toxicity (PSLT) Polymer Category: An Integrated Approach to Testing and Assessment (IATA) Including New Approach Methods (NAMs) under the Toxic Substances Control Act (TSCA) (Abs #2593 Poster #P331)	A. Jarabek (EPA ORD)	CPTD Section 5 Consortium	Risk Assessment
3/22 1:00PM - 2:45PM <i>Poster</i>	Surfactants Category: An Integrated Approach to Testing and Assessment (IATA) Including New Approach Methods (NAMs) for Assessing Inhalation Risks under the Toxic Substances Control Act (TSCA) (Abs #2583 Poster #P321)	T. Henry (EPA OCSPP)	CPTD Section 5 Consortium	Risk Assessment

Date Time Session Type	Abstract Title (Abstract # Poster#)	Presenting Author (Affiliation)	ACC Group / Research Support	Session Title
3/22 1:00PM - 2:45PM Poster	Towards a quantitative adverse outcome pathway for small intestinal tumors in mice (Abs #2605 Poster #P343)	C. Thompson (ToxStrategies)	ACC Cr6 Science Panel	Risk Assessment
3/22 1:00PM - 2:45PM Poster	Impact of Post Hoc Analysis on Transcriptomic Point-of-Departure Estimates (Abs #2606 Poster #P344)	M. Black (ScitoVation)	ACC LRI	Risk Assessment
3/23 1:00PM - 2:45PM Poster	Development of an In Vitro Approach to Point-of-Contact Inhalation Toxicity Testing of Volatile Compounds, Using Organotypic Culture and Air-Liquid Interface Exposure (Abs #2845 Poster #P311)	S. Slattery (ScitoVation)	ACC LRI	Respiratory Toxicology
3/24 12:30PM - 12:50PM Platform Presentation	Application and Role of OFRs: Understanding Fire Safety and Risk (Abs #1291) <i>Platform Session is 11:15AM - 2:00PM</i>	K. White (ACC)	NAFRA	The Scientific Challenges in Regulating Organohalogen Flame Retardants as a Class
3/23 3:30PM - 3:45PM: Platform Presentation	Improving and Updating the Population Life-Course Exposure to Health Effects Model (PLETHEM): An Online Tool and R Package for PBPK Modeling (Abs #2961) <i>Platform Session is 11:15AM - 2:00PM</i>	J. Fitzpatrick (ScitoVation)	ACC LRI	Biological Models for In Vitro-In Vivo Extrapolation

**American Chemistry Council's
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Catalyzing Innovations in Chemical
Safety Sciences**

[Click here to view a brief summary of the ACC LRI](#)

