



# Selected Events Related to In Vitro and Computational Toxicology

## SOT 2022 Annual Meeting

American Society for Cellular and Computational Toxicology

See below for a listing of sessions related to in vitro and in silico toxicology/New Approach Methodologies (NAMs) happening at the 2022 Society of Toxicology Annual Meeting. Access these events on the SOT planner at <https://eventpilotadmin.com/web/planner.php?id=SOT22>.

The ASCCT offers education and outreach activities related to NAMs to the toxicology community, including an annual meeting and a monthly webinar series. Find out more at [www.ascctox.org](http://www.ascctox.org).

### Sunday, March 27

**8:15am - 12:00pm Pacific**

**Continuing Education**

- AM01: Animal-Free Safety Assessment of Consumer Products and Ingredients: A Primer – CC Ballroom 6C
- AM02: Conceptual Models in Immunotoxicology: Leveraging Biological Knowledge, Alternative Approaches, and Computational Strategies for the Future of Risk Assessment – CC Room 7

- AM04: How Advances in Exposure Science and Toxicology Are Changing Assessments of the Effects of Chemical Mixtures on Human Health – CC Ballroom 6E

**1:15pm - 5:00pm Pacific**

**Continuing Education**

- PM12: Principles and Applications of Read-Across in Human Health Risk Assessment – Ballroom 6B

### Monday, March 28

**9:00am - 10:00am Pacific**

**Exhibitor-Hosted Sessions**

- Application of the devTOX quickPredict and Cardio quickPredict Biomarker-Based In Vitro Assays for Toxicity Screening – CC Ballroom 23C
- Applications of Primary Human Cells and Cell Models for Safety Testing – CC Ballroom 23A

**9:00am – 10:45am Pacific**

**Poster Sessions – CC Exhibit Hall B**

- Respiratory Toxicology

- Air Pollution Toxicology I
- Medical Devices
- Ocular Toxicology
- PFAS I
- Skin and Dermal Toxicity

**9:15am – 12:00pm Pacific  
Symposium Sessions**

- How to Maximize the Value of Electronic Data via Analytics and Exchange to Create Knowledge: Case Studies across the Pharmaceutical Industry and Regulatory Sectors – CC Ballroom 6B
- New Approach Methods for Functional Developmental Neurotoxicity – CC Ballroom 6E

**10:30am – 11:30am Pacific  
Exhibitor-Hosted Sessions**

- HUREL Micro Livers for DMPK Studies: Presented by Visikol – CC Room 23A
- Practical Application of Adverse Outcome Pathways (AOPs) and AOP Networks for Toxicity Assessment: Presented by Lhasa Limited – CC Room 22

**10:45am – 12:30pm Pacific  
Poster Session – CC Exhibit Hall B**

- Stem Cell Biology and Toxicology

**12:00pm – 1:00pm Pacific  
Exhibitor-Hosted Session**

- The Latest from AnaBios: Human Cardiomyocytes and Spinal Cord Cultures for Cardiotoxicity and Neurotoxicity Risk Assessment: Presented by AnaBios – CC Room 23A

**12:00pm – 1:30pm Pacific  
Featured Session**

- In Vitro Toxicology Lecture and Luncheon for Students: Studying Drug-Induced Cardiotoxicity Is Complicated: How Human-Induced Pluripotent Stems Cells and In Vitro Biomarkers Helped Solve This Challenge – CC Ballroom 20D

**12:00pm – 1:30pm Pacific  
Student and Postdoc Events**

- In Vitro Toxicology Lecture and Luncheon for Students – CC Ballroom 20D

**1:45pm – 4:30pm Pacific  
Symposium Session**

- It Takes Guts: Exploring New Models and Modalities for Gastrointestinal Toxicity – CC Ballroom 6E
- This Is Your Brain on Mixtures: Neurodevelopmental Effects of Combined Exposures – CC Ballroom 6B

**2:30pm – 4:15pm Pacific  
Poster Session – CC Exhibit Hall B**

- Endocrine Toxicology
- Reproductive and Developmental Toxicology I

**3:00pm – 4:00pm Pacific  
Exhibitor-Hosted Session**

- Cytotoxic Reactive Metabolite Assay for the Identification of Drugs with DILI Potential: Presented by Discovery Life Sciences – CC Room 23C
- Liver Microphysiological Systems to Assess Efficacy and Toxicity – Building Robust and Reliable Models for Translational Preclinical Research: Presented by Lonza – CC Room 23B

- OECD Validation of the ToxTracker Assay for Genotoxic Mode of Action Assessment: Presented by Toxys – [CC Room 23A](#)

**5:00pm – 6:00pm Pacific**  
**SOT Component Group Events**

- Medical Device and Combination Product Specialty Section Mentoring Event – [Marriott Marquis San Diego Marina San Diego Ballroom C](#)

**Tuesday, March 29**

**8:00am – 10:45am Pacific**  
**Workshop Session**

- Human Neural Tube Defects: Basic Embryology to Predictive Toxicology – [CC Room 1](#)
- Building the Toolbox: Three-Dimensional Tissue Constructs as Problem Solvers – [CC Ballroom 6F](#)
- Mode of Action, Adverse Outcome Pathways, and Key Characteristics (KCs): Proposed Steps Forward and Mid-Course Corrections – [CC Ballroom 6D](#)

- Technological Advancements and Strategic Approaches in Developmental and Reproductive Toxicity Assessments – [CC Room 7](#)

**9:00am – 10:00am Pacific**  
**Exhibitor-Hosted Sessions**

- An Overview of Non CYP-Mediated Metabolism Pathways and In Vitro Evaluation Strategies: Presented by SEKISUI XenoTech – [CC Room 23B](#)
- CELLvo™ Matrices and CARTOX Optical Mapping: A Complete Solution for In Vitro Cardiotoxicity Risk Assessment: Presented by StemBioSys, Inc. – [CC Room 23C](#)

**9:00am – 10:45am Pacific**  
**Poster Session – CC Exhibit Hall B**

- Immunotoxicity – [CC Room B](#)

**10:30am – 11:30am Pacific**  
**Exhibitor-Hosted Sessions**

- Effiris: Improving QSAR models for safety assessments through privacy-preserving data sharing – an industry perspective:

Presented by Lhasa Limited – [CC Room 22](#)

- High-throughput Assessment of Cardiac Safety via Contractility Measurements of 3D Engineered Heart Tissues: Presented by Curi Bio – [CC Room 23B](#)
- Skin Sensitization: Using In Vitro Tools for Quantitative Potency Assessment as an Alternative to the Local Lymph Node Assay: Presented by SenzaGen AB – [CC Room 23A](#)

**10:45am – 12:30pm Pacific**  
**Poster Session – CC Exhibit Hall B**

- Computational Toxicology I
- Risk Assessment II

**11:00am – 12:20pm Pacific**  
**Roundtable Session**

- Cross-Species Extrapolation: Opportunities in a 21st-Century Regulatory Nonanimal Testing World – [CC Ballroom 6B](#)

**12:00pm – 1:00pm Pacific**  
**Exhibitor-Hosted Session**

- Establishing an In Vitro Assay for Effectively Predicting

Neurotoxicity Risks using Functional Human iPSC-derived Neurons: Presented by NeuCyte – CC Room 22

**12:10pm – 12:30pm Pacific  
Special Events**

- Tiny Tox Talk: European Commission Support to Research in Animal-Free Toxicology – CC Exhibit Hall B

**2:30pm - 4:15pm Pacific  
Poster Session – CC Exhibit Hall B**

- Alternatives to Mammalian Models I
- Nanotoxicology: In Vitro
- Risk Assessment III

**3:00pm-4:00pm Pacific  
Exhibitor-Hosted Event**

- Advancing In Vitro Immunotoxicity Assessment Methods for Biotherapeutics: Presented by Lonza – CC Room 23B
- aProximate-MPS Flow: A Next Generation near-Physiological Proximal Tubule Platform for Drug Development and Drug Safety Studies: Presented by

Newcells Biotech Ltd – CC Room 22

- Modernizing Drug Discovery & Development with Organ-Chip Technology: Presented by Emulate – CC Room 23A

**3:00pm – 4:30pm Pacific  
Workshop Session**

- Application of Next-Generation Risk Assessment Principles for Decision-Making – CC Ballroom 6E

**6:00pm - 7:30pm Pacific  
SOT Component Group Event**

- Biological Modeling Specialty Section Meeting/Reception – Marriott Marquis San Diego Marina Grand Ballroom 4

**Wednesday, March 30**

**8:00am – 10:45am Pacific  
Symposium Session**

- Computational Toxicology Workflows for Prioritization and Safety Assessment of Environmentally Relevant Chemicals – CC Ballroom 6A

- Assay Gaps in the Developmental Neurotoxicity (DNT) New Approach Methodologies (NAMs) Battery for Human Health Risk Assessment – CC Ballroom 6F

**9:00am – 10:00am Pacific  
Exhibitor-Hosted Event**

- Computational Approaches for Metabolism Prediction + Assessing Carcinogenic Potency of Untested Nitrosamines: Presented by MultiCASE, Inc. – CC Room 23C

**9:00am – 10:45am Pacific  
Poster Session – CC Exhibit Hall B**

- Alternatives to Mammalian Models II
- Regulation/Policy

**10:45am – 12:30am Pacific  
Poster Session – CC Exhibit Hall B**

- Computational Toxicology II
- Liver II: In Vitro
- Safety Assessment: Pharmaceutical—Drug Discovery

**11:00am – 12:20pm Pacific**

**Roundtable Session**

- Are Animal Studies Still the “Gold Standard” for Validating New Approach Methods? – CC Ballroom 6D

**12:00pm – 1:30pm Pacific**

**SOT Component Group Events**

- Computational Toxicology Specialty Section Meeting/Luncheon – CC Room 2

**1:30pm - 4:15pm Pacific**

**Workshop Sessions**

- Current Status and Future Outlook of Developmental Immunotoxicity Testing – CC Room 7
- Educating 21st-Century Toxicologists: Making In Vitro and In Silico Approaches Part of the Curriculum – CC Ballroom 6B
- Tools for Modernizing Ecological Risk Assessment – CC Ballroom 6C

**2:30pm - 4:15pm Pacific**

**Poster Session – CC Exhibit Hall B**

- Safety Assessment: Pharmaceutical—Drug Development II
- Safety Evaluation of Nonpharmaceutical Products
- Systems Biology

- The Use of Alternative Methods to Assess Chemical Toxicity and Risk in Military and Aerospace Exposure Scenarios – CC Ballroom 6B

**Thursday, March 31**

**8:30am - 10:15am Pacific**

**Platform Session**

- Safety Evaluation of Nonpharmaceutical Products – CC Room 8

**8:30am - 11:30am Pacific**

**Poster Session – CC Sails Pavilion**

- Late-Breaking 3
- Late-Breaking 4

**8:30am - 11:15am Pacific**

**Symposium Session**

- In Vitro Considerations for Predicting Retinal Toxicities – CC Room 6C
- Optimizing the Design of Repeated-Dose Animal Studies to Inform Human Health Risk Assessment by Integrating Exposure, In Vitro, and In Silico Data – CC Ballroom 6A