

SOCIETY OF TOXICOLOGY 56th ANNUAL MEETING

Select *In Vitro* and Alternative Methods Sessions (see [here](#) for the complete program listing)

Sunday, March 12th

7am-5pm

Various continuing education courses including "Read-Across: Case Studies, New Techniques, and Guidelines for Practical Application". See all continuing education course offerings [here](#).

Monday, March 13th

9:00am-10:00am

Session by UL Environment on "Automated Read-Across for REACH" (Room 339)

9:00am-10:00am

Session by US Environmental Protection Agency on "Computational Toxicology Online Dashboard Demonstrations" (Room 337)

9:30am-12:15pm

Symposium sessions include "Organs-on-a-Chip, Tissue Bioprinting, and 3D Cultures: Next Generation Models for Toxicology in the 21st Century" (Ballroom 2)

9:30am-12:15pm

Workshop sessions include "Fit for Purpose: Using Computational Models for Risk" (Ballroom I)

9:30am-12:35pm

Poster sessions include "Liver: *In Vitro* and *In Silico* Approaches" (Exhibit Hall)

10:30am-11:30am

Session by Lhasa Limited on "*In Silico* Strategies to Assess Potentially Mutagenic Impurities under ICH M7" (Room 338)

11:30am-1:00pm

In Vitro toxicology Lecture and Luncheon (Hilton Baltimore, Ballroom 4). Ticket required.

12:00pm-1:00pm

Session by National Institute of Environmental Health Sciences on "Developing an Implementation Strategy for Toxicity Testing in the 21st Century" (Room 340)

1:15pm-4:30pm

Poster sessions include "Nanotoxicology: *In Vitro*" and "Stem Cell Biology and Toxicology" (Exhibit Hall)

1:30pm-2:30pm

Session by SenzaGen AB on "Replacement of Animal Testing for CLP/GHS Potency Classification of Skin Sensitizers Is Now Possible using a Modified Genomic GARDskin [OECD TGP 4.106] Assay" (Room 338)

2:00pm-4:45pm

Symposium sessions include "Cell Health and Mechanistic Assays for the *In Vitro* Prediction of DILI" (Ballroom II)

2:00pm-4:45pm

Workshop sessions include "Modernizing Toxicological Risk Assessment for Compounds Released from Pharmaceutical, Consumer, Medical Device and Combination Products: Alternative Tools and Methods" (Room 321)

2:00pm-4:45pm

Platform sessions include "Multi-Omic Connections in Chemical Toxicity" (Room 308)

3:00pm-4:00pm

Session by DiscoverX Corporation on "Discovery of Toxicity Mechanisms Using Phenotypic Profiling in Human Primary Cell-Based Models" (Room 338)

3:00pm-4:00pm

Session by NC3Rs on "Global Initiatives for Replacement, Refinement and Reduction in Animal Use within Toxicology Programs" (Room 337)

- 4:30pm-5:30pm Session by Organovo on "Simplifying the Complex: Using 3D Bioprinted Kidney Tissue to Unravel the Intricate Mechanisms of Drug-Induced Nephrotoxicity" (Room 340)
- 7:30pm-9:00pm *In Vitro* and Alternative Methods Specialty Section networking mixer (Sheraton Inner Harbor, Chesapeake Ballroom 1)

Tuesday, March 14th

- 8:00am-9:20am Informational session on "Thresholds of Toxicological Concern: 21st Century Safety Assessment" (Room 321)
- 9:00am-10:00am Session by Fraunhofer ITEM on "Integrated Approaches for Inhalation Toxicity Assessment" (Room 337)
- 9:00am-10:00am Session by Lhasa on "Limited and Molecular Networks Highly Relevant Proprietary Data and Predictive Models for Drug Development" (Room 339)
- 9:30am-12:15pm Workshop sessions include "Incorporating *In Vitro* Reproductive and Developmental Assays into Regulatory Risk Assessment (Ballroom I) and "Opportunities for Read-Across Development and Application Using QSAR Approaches" (Ballroom III)
- 10:30am-11:30am Session by Axiogenesis AG and Axion Biosystems on "Neurotox and Cardiac Safety Assessment: Case Studies Employing iPS Cell Lines, MEA and Optogenetic Techniques" (Room 337)
- 10:30am-11:30am Session by *In vitro* ADMET Laboratories Inc. on "Hepatocyte Spheroids for Toxicity Evaluation" (Room 338)
- 12:00pm-1:00pm Session by Corning Incorporated on "Novel *In Vitro* Models for the Study of Drug-Induced Hepatotoxicity" (Room 337)
- 12:00pm-1:00pm Session by DILIsym Services Inc. on "DILIsym: A Computational Tool for Assessing the Risk of Drug-Induced Liver Injury" (Room 339)
- 12:15-1:45pm IVAM luncheon (Hilton Baltimore, Holiday Ballroom 4)
- 1:15pm-4:30pm Poster sessions include "Nanoparticle Exposure, Dosimetry, and *In silico* Modeling" (Exhibit Hall)
- 1:30pm-2:30pm Session by Agilent Technologies on "Functional Assays for Assessing Mitochondrial Toxicity and Metabolism of Live Cells" (Room 337)
- 1:30pm-2:30pm Session by SenzaGen AB on "Advantages with Genome Testing Opening up the Landscape for New Application Possibilities for Sensitization Testing using SenzaGen's Genomic GARD Assay" (Room 338)
- 2:00pm-4:45pm Symposium sessions include "Lost in Translation: Bringing the Real World to *In Vitro* Data" (Room 321) and "MiRNAs As Translational Biomarkers of Kidney Injury" (Room 316)
- 3:00pm-4:00pm Session by Charles River and NIEHS on "Trends, Trials and Triumphs in *In Vitro* Toxicology" (Room 340)

- 4:30pm-5:30pm Session by American Preclinical Services on "Novel Methods for *In Vitro* Hemocompatibility Testing of Medical Devices" (Room 339)
- 5:00pm-7:00pm Human Toxicology Program Consortium—AOPs 101: An Intro to the New AOP Wiki (Hyatt Regency Baltimore Constellation Ballroom A)

Wednesday, March 15th

- 8:00am-9:20am Workshop sessions include "Challenges and Novel Approaches Evaluating Developmental and Reproductive Toxicity of Biotherapeutics" (Ballroom IV)
- 9:30am-12:15pm Symposium sessions include "Investigating Metabolic Diseases Using Integrated 'Omics' Approaches" (Ballroom II)
- 9:30am-12:15pm Workshop sessions include "3D Cell Platforms to Advance Toxicological Sciences" (Room 321)
- 12:00pm-1:00pm Session by NICEATM, PISC, and PCRM on "Update on alternative approaches for acute systemic toxicity testing" (Hilton Baltimore, Johnson AB Room)
- 12:00pm-1:00pm Session by Ascendance Biotechnology Inc (formerly Hepregen) on "The Quantitative Power of High-Content Microscopy Imaging to Measure *In Vitro* Toxicity" (Room 339)
- 1:15pm-4:30pm Poster sessions include "Alternatives to Mammalian Models I: Liver, Ocular, and Skin Alternatives", "Alternatives to Mammalian Models II" and "Quantitative Systems Toxicology" (Exhibit Hall)
- 1:30pm-2:30pm Session by BioSpherix, Ltd. on "Total Quality Improves Toxicological Testing with Cell Based Assays" (Room 339)
- 1:30pm-2:30pm Session by Cellular Dynamics Intl, a FUJIFILM Company on "iPSC-Derived Glutamatergic Neurons: Something to Get Excited About!" (Room 338)
- 1:30pm-2:30pm Session by NIEHS and the National Toxicology Program on "ICCVAM Tools for Validation and Regulatory Application of Alternative Methods" (Room 337)
- 1:30pm-2:30pm Session by Organovo on "The Advantages of ExVive™ 3D Bioprinted Liver Tissue in Elucidating Clinically Relevant Mechanisms of Drug-Induced Hepatotoxicity" (Room 340)
- 2:00pm-4:45pm Symposium sessions include "Novel *In Vitro* and *In Silico* Platforms for Modeling Developmental and Reproductive Toxicity" (Ballroom IV) and "Increasing Confidence in Safety Assessment Decisions: The Inclusion of Metabolism in Toxicity Testing Strategies" (Room 316)
- 4:45pm-6:45pm IIVS Spotlight: Standards and Transparency in Toxicology Testing—Technology Review and Stakeholder Input (Sheraton Inner Harbor, Harborview Ballroom)
- 5:00pm-6:30pm US EPA meeting on "Replacing and Reducing the Pesticide Acute Six-Pack: Progress Update for Stakeholders" (Sheraton Inner Harbor, Loch Raven)

Thursday, March 16th

- 8:30am-11:15am Symposium sessions include "*In Vitro* and Alternative Methods in Ocular Toxicology: The "Eyes" Have It" (Room 309) and "The Next Technology Wave: Biosensors, Extreme Computing, and Organ Chips for Predicting Cardiovascular Toxicity" (Ballroom III)
- 8:30am-11:45am Poster sessions include "Alternatives to Mammalian Models III", Biological Modeling, "Emerging Technologies", and "Systems Toxicology" (Hall A)
- 12:30pm-4:00pm Satellite Meeting: Updates on Activities Related to 21st Century Toxicology and Related Efforts: Invited Presentations and Open Microphone (Lord Baltimore Hotel Baltimore Theater)

Friday, March 17th

- 12:30pm-4:00pm Satellite Meeting: Read-Across in the 21st Century (Lord Baltimore Hotel Baltimore Theater)