



Session Types (Listed by date, then time, then session type)



CE Continuing Education Courses

EC Education-Career Development Sessions

E Exhibitor-Hosted Sessions

FS Featured Sessions

IS Informational Sessions

PL Platform Sessions

PS Poster Sessions

RI Regional Interest

R Roundtable Sessions

S Symposium Sessions

W Workshop Sessions

IAT Innovations in Applied Toxicology

ITS Innovations in Toxicological Sciences

For the most up-to-date information on all Annual Meeting sessions, events, and activities, consult the SOT Event App and the Online Planner on the [Annual Meeting website](#).

Services such as a coat/luggage check, concessions, first-aid room, housing desk, nursing mothers' room, on-site registration, the SOT Office, and the Speaker Ready Room are available throughout the meeting. Check the SOT Event App, Online Planner, and Annual Meeting website for times and locations. Also, check the SOT Event App and Online Planner for Committee meetings and other ancillary event information.

All events in this overview take place in the Anaheim Convention Center (abbreviated as CC throughout all Annual Meeting materials) unless otherwise noted.

Abstract numbers are four digits. Poster boards are indicated with a "P" followed by three digits. The colored shapes next to the Poster Sessions represent the color-coded poster board area in the ToxExpo Exhibit Hall where the posters in that session will be displayed.

Saturday, March 14

5:00 PM to 7:30 PM

UNDERGRADUATE DIVERSITY PROGRAM

- Registration and Opening Event (*By Invitation Only*)
Anaheim Marriott Platinum 2

7:30 PM to 8:30 PM

SPECIAL EVENT

- Committee on Diversity Initiatives (CDI) Reunion
Anaheim Marriott Platinum 2

8:00 AM to 5:00 PM

UNDERGRADUATE EDUCATION PROGRAM

- This daylong program introduces undergraduates to toxicology and includes opportunities to explore and interpret data, meet with academic program directors, and network with SOT mentors.
Anaheim Marriott—Various Locations

8:15 AM to 12:00 Noon

CONTINUING EDUCATION MORNING COURSES

Ticket Required

AM03	Developing Therapeutics for Ocular Indications: A 20/20 View <i>Room 303A</i>	<i>Abstract #: 1003</i>
AM04	Introduction to Open-Access Computational Toxicology Tools <i>Ballroom D</i>	<i>Abstract #: 1004</i>
AM05	Lung Function: It's Not Just Breathing <i>Room 303C</i>	<i>Abstract #: 1005</i>
AM06	Modern Modeling Strategies to Address Uncertainty and Variability in Dose-Response Assessment <i>Room 304A</i>	<i>Abstract #: 1006</i>
AM07	The Basics of <i>In Vitro</i> Xenobiotic Metabolism and Drug-Drug Interaction Investigations: Applicability to All Xenobiotics <i>Room 304C</i>	<i>Abstract #: 1007</i>
AM08	Timing Is Everything: Developmental Exposure Alters the Path of Immune Cell Maturation and Function <i>Ballroom E</i>	<i>Abstract #: 1008</i>

Sunday, March 15

7:00 AM to 7:45 AM

CONTINUING EDUCATION SUNRISE MINI-COURSES

Ticket Required

SR01	Advances in CRISPR-Cas9 Tools and Applications for Toxicologists <i>Room 304A</i>	<i>Abstract #: 1001</i>
SR02	Qualifying Biomarkers and Navigating the US FDA <i>Predictive Toxicology Roadmap</i> to Improve Decision-Making in Toxicology and Drug Safety Assessment <i>Room 304C</i>	<i>Abstract #: 1002</i>

1:15 PM to 5:00 PM

CONTINUING EDUCATION AFTERNOON COURSES

Ticket Required

- PM09** AAV Vectors on the Move: Safety Assessment and Advancing Sciences in Gene Therapy Second-Generation Products
Ballroom D **Abstract #: 1009**
- PM10** An Introduction to New Approach Methodologies (NAMs) and Understanding Their Potential to Support Regulatory Decisions
Ballroom E **Abstract #: 1010**
- PM11** Gateway Technologies to Tomorrow's Metal Toxicological Research
Room 303A **Abstract #: 1011**
- PM12** Harnessing the T Cell for Cancer Immunotherapy: A Course on T Cell Redirection
Room 304A **Abstract #: 1012**
- PM13** *In Vitro* Approaches to Assess the Toxicity of Inhaled Substances
Room 304C **Abstract #: 1013**
- PM14** The Male Reproductive Tract: Development, Toxicology, and Pathology
Room 303C **Abstract #: 1014**

4:45 PM to 6:30 PM

AWARDS CEREMONY AND MUSIC

- All are invited to attend this recognition of the 2020 SOT award recipients.
Ballroom A

6:30 PM to 7:30 PM

SPECIAL EVENT

- Welcome Reception
Grand Plaza (Outdoor Space in Front of the CC)

7:00 PM to 8:00 PM

SPECIAL EVENT

- 25-Year (or More) Member Reception (*By Invitation Only*)
Anaheim Marriott Marquis Northeast

7:30 PM to 9:00 PM

STUDENT AND POSTDOC EVENT

- Student/Postdoctoral Scholar Mixer (*Ticket Required*)
Anaheim Marriott Marquis Center

8:00 PM to 10:00 PM

SOT COMPONENT GROUP EVENT

- Out Toxicologists and Allies Special Interest Group Inaugural Reception
McCormick & Schmick's Grille

Monday, March 16

6:15 AM to 7:45 AM

SPECIAL EVENT

- SOT Mentoring Breakfast (*Ticket Required*)
Room 207C

6:30 AM to 8:30 AM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Specialty Section Officers Meetings: Carcinogenesis; Immunotoxicology; *In Vitro* and Alternative Methods; Nanoscience and Advanced Materials; Neurotoxicology; Regulatory and Safety Evaluation; and Risk Assessment
Room 207A
- Central States Regional Chapter Breakfast Meeting
Sheraton Park Hotel Savor at 1855 Restaurant
- Medical Device and Combination Product Specialty Section Officers Meeting
Hilton Anaheim Mix Restaurant
- Midwest Regional Chapter Networking Breakfast
Anaheim Marriott Elite 3
- Mixtures Specialty Section Officers Meeting
Hilton Anaheim Mix Restaurant
- Reproductive and Developmental Toxicology Specialty Section Officers Meeting
Room 202B
- Women in Toxicology Special Interest Group Executive Committee Meeting
Anaheim Marriott Elite 2

8:00 AM to 10:45 AM

SYMPOSIUM SESSIONS

- Can We Predict and Manage Immune-Related Adverse Events Associated with Cancer Immunotherapy?
Ballroom C **Abstract #: 1015-1019**
- Developmental Toxicity of Per- and Polyfluoroalkyl Substances (PFAS): Current *In Vivo* Approaches and Application to Human Health Risk Assessment
Ballroom D **Abstract #: 1020-1025**
- Lysosome/Autophagy Dysregulation in Toxicity and Disease 
Room 304C **Abstract #: 1026-1031**
- New Data and Tools for Understanding Chemical Distribution *In Vitro*
Ballroom A **Abstract #: 1032-1036**

WORKSHOP SESSIONS

- Applicability Domains and Future of Nonanimal Tests for Skin Sensitization
Room 204B **Abstract #: 1037-1041**
- Known Unknowns: Challenges and Approaches for Handling Chemical, Hazard, and Regulatory Uncertainty in Medical Device Safety Assessments
Room 303A **Abstract #: 1042-1046**
- Oligodendrocytes/Schwann Cells: Major Targets in Neurotoxicity and Neurological Diseases
Room 303C **Abstract #: 1047-1052**
- Toxicological Exposure and Risk Assessment of Emissions from 3D Printers
Room 304A **Abstract #: 1053-1058**

8:00 AM to 10:45 AM

PLATFORM SESSION 

- Liver Signaling, Disease, and Injury
Room 204C *Abstract #: 1059-1066*

8:00 AM to 5:00 PM

UNDERGRADUATE DIVERSITY PROGRAM

- Mentor groups attend Annual Meeting sessions and posters, participate in exclusive activities, and celebrate the weekend's accomplishments
CC—Various Locations

9:00 AM to 10:45 AM*

POSTER SESSIONS 

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Air Pollution Toxicology
Poster Board #: P101-P126
Abstract #: 1067-1092
- POPs
Poster Board #: P260-P273
Abstract #: 1212-1225
- Risk Assessment Applications I
Poster Board #: P589-P617
Abstract #: 1488-1516
- Risk Assessment Methods I
Poster Board #: P619-P642
Abstract #: 1517-1540
- Safety Evaluation of Nonpharmaceutical Products
Poster Board #: P807-P829
Abstract #: 1663-1685
- Systems Biology
Poster Board #: P413-P434
Abstract #: 1341-1362



9:00 AM to 4:30 PM

SOT TOX PRESENTATION CORNER

- This area will feature short, intimate presentations that provide **Training**, highlight **Opportunities** for growth, and foster **eXchanges** of science and ideas.
Exhibit Hall

TOXEXPO EXHIBITS

- Visit the 300+ exhibitors for product, service, and career insights.
Exhibit Hall

9:00 AM to 10:00 AM

EXHIBITOR-HOSTED SESSIONS 

- Aptuit, an Evotec Company
Room 206B
- Battelle
Room 205A
- Eurofins Discovery
Room 206A
- Lhasa Limited
Room 205B



9:30 AM to 3:00 PM

RESEARCH FUNDING INSIGHTS

- Representatives from federal agencies are available for individual conversations.
Room 210C

10:30 AM to 11:30 AM

EXHIBITOR-HOSTED SESSIONS 

- Charles River
Room 206B
- Envigo
Room 205A
- Fraunhofer ITEM
Room 206A
- ToxStrategies Inc.
Room 205B

10:30 AM to 12:30 PM

SPECIAL EVENT

- Global Collaboration Coffee
Room 207C

10:45 AM to 12:30 PM*

POSTER SESSIONS 

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Air Pollution: Biomass
Poster Board #: P158-P168
Abstract #: 1118-1128
- Alternatives to Mammalian Models I
Poster Board #: P443-P472
Abstract #: 1363-1392
- Biomarkers
Poster Board #: P301-P341
Abstract #: 1239-1278a
- Developmental and Juvenile Toxicology
Poster Board #: P711-P742
Abstract #: 1590-1621
- Developmental Basis of Adult Disease
Poster Board #: P749-P769
Abstract #: 1622-1641a
- Epigenetics
Poster Board #: P342-P366
Abstract #: 1279-1303
- Neurodegenerative Disease
Poster Board #: P523-P550
Abstract #: 1429-1455a
- Neurotoxicity: Developmental
Poster Board #: P551-P582
Abstract #: 1456-1487
- Reproductive Toxicology I
Poster Board #: P659-P686
Abstract #: 1541-1568
- Reproductive Toxicology II
Poster Board #: P687-P707
Abstract #: 1569-1589
- Respiratory Toxicology
Poster Board #: P206-P256
Abstract #: 1161-1211
- Safety Assessment: Pharmaceutical—Drug Discovery
Poster Board #: P833-P853
Abstract #: 1686-1706



11:00 AM to 12:30 PM

FEATURED SESSION **FS**

A Career in Advancing the Field of Toxicology: A Tribute to Linda S. Birnbaum

Ballroom A



Ballroom A



Speakers:

Martin van den Berg, Universiteit Utrecht, Utrecht, Netherlands.



Suzanne E. Fenton, NIEHS/NTP, Research Triangle Park, NC.



Rick Woychik, NIEHS/NTP, Research Triangle Park, NC.



Laurie C. Haws, ToxStrategies Inc., Austin, TX.

WORKSHOP SESSIONS **W**

- Aircraft Cabin Fume Events: Is There a Toxicological Explanation?
Ballroom D **Abstract #:** 1707-1710
- Globally Harmonized Guidance for Dose-Response Analysis and Derivation of Health-Based Guidance Values for Chemicals in Food—Part I: What's New?
Ballroom C **Abstract #:** 1711-1714
- Impacts on Human Health of Sunscreen Active Ingredients Used to Filter Ultraviolet Light
Room 204C **Abstract #:** 1715-1718



11:00 AM to 12:20 PM

ROUNDTABLE SESSION **R**

- Mechanistic Read-Across of Chemical Toxicants Based on Big Data **ITS**

Room 204B

Abstract #: 1719

INFORMATIONAL SESSIONS **IS**

- Individual-, Community-, and Population-Level Environmental-Associated Attributes of Disparate Health Outcomes in Vulnerable Populations
Room 303A

Abstract #: 1720

- The Epidemic of Chronic Kidney Disease of Unknown Etiology in Agricultural Communities
Room 303C

Abstract #: 1721

11:15 AM to 1:00 PM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Comparative Toxicology, Pathology, and Veterinary Specialty Section Meeting/Luncheon
Room 201B
- Food Safety Specialty Section Mentoring Event
Room 207A
- Special Interest Group Collaboration Group: Career Development, Mentorship, and Training Activities in Toxicology
Anaheim Marriott Grand J
- Sustainable Chemicals through Contemporary Toxicology Specialty Section Meeting/Luncheon
Room 208A

11:30 AM to 12:45 PM

IN VITRO TOXICOLOGY LECTURE AND LUNCHEON FOR STUDENTS **FS (TICKET REQUIRED)**

Computational Intelligence: Building "Smart Models" for Toxicology in the Era of Big Data
Anaheim Marriott Marquis Center



Lecturer:

Thomas B. Knudsen, US EPA/CCTE, Research Triangle Park, NC.

12:00 Noon to 1:00 PM

EXHIBITOR-HOSTED SESSIONS **E**

- Covance
Room 206B
- InSphero Inc.
Room 206A
- Sekisui XenoTech, LLC
Room 205A
- Simulations Plus, Inc.
Room 205B

1:00 PM to 2:00 PM

PLENARY SESSION FS

Precisely Practicing Medicine from 700 Trillion Points of Data

Hall C



Speaker:

Atul Butte, University of California
San Francisco, San Francisco, CA.

"Dr. Butte is a pioneer in the analysis of big data, using these data to gain new insights into diseases and their treatment. The promises of precision medicine are dependent on the appropriate analysis of large datasets. Dr. Butte will tell us about his group's efforts to organize and gain insight from health records, leading to better therapeutic choices. He also will describe new methods for teaching intelligence, both real and artificial, for better medical practice."

—George P. Daston, SOT Vice President and
Scientific Program Committee Chair

1:45 PM to 2:45 PM

EXHIBITOR-HOSTED SESSIONS E

- ApconiX Ltd.
Room 206A
- Charles River and Corteva
Agriscience
Room 206B
- Southern Research
Room 205A
- WuXi AppTec
Room 205B

2:00 PM to 3:15 PM

UNDERGRADUATE CONSORTIUM MEETING

- Meeting attendees connected to the Undergraduate Consortium institutions meet with the Undergraduate Consortium Task Force to discuss ways to encourage undergraduates to pursue toxicology careers
Room 208A



2:15 PM to 4:30 PM*

POSTER SESSIONS PS

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Air Pollution: Ozone
Poster Board #: P129-P153
Abstract #: 1093-1117
- Air Pollution: PM
Poster Board #: P171-P202
Abstract #: 1129-1160
- Alternatives to Mammalian Models II
Poster Board #: P473-P508
Abstract #: 1393-1428
- Carcinogenicity
Poster Board #: P371-P407
Abstract #: 1304-1340
- Epidemiology and Public Health
Poster Board #: P773-P793
Abstract #: 1642-1662
- Medical Devices
Poster Board #: P287-P299
Abstract #: 1226-1238

2:15 PM to 2:45 PM

SPECIAL EVENT

- Global Gallery of Toxicology—Representative Attended
Exhibit Hall (Near the SOT Pavilion, Booth #1111)

2:15 PM to 3:00 PM

STUDENT AND POSTDOC EVENTS

- Trainee Discussion with Plenary Session Speaker Atul Butte
(Ticket Required)
Room 202A

3:00 PM to 4:00 PM

MERIT AWARD LECTURE FS

Unraveling the Molecular Mechanisms of Cannabinoid-Mediated Immune Modulation and Cannabinoid Receptor 2 as a Putative Therapeutic Target

Ballroom A



Lecturer:

Norbert E. Kaminski, Michigan State
University, East Lansing, MI.

3:00 PM to 4:30 PM

SYMPORIUM SESSIONS S

- Evolving Technologies for Determination of Biotherapeutic Specificity
Room 304A
Abstract #: 1722-1725
- Genome Editing in Drug Discovery: Using the Cas9 Protein to Explore Target-Mediated Toxicity
Ballroom D
Abstract #: 1726-1729

3:00 PM to 4:30 PM

WORKSHOP SESSIONS 

- Bringing Advances in Risk Science into Regulatory Decisions: Applying Data-Driven Uncertainty Analysis
Ballroom E **Abstract #: 1730-1733**
- Globally Harmonized Guidance for Dose-Response Analysis and Derivation of Health-Based Guidance Values for Chemicals in Food—Part II: Intuitive Demonstrations
Ballroom C **Abstract #: 1734-1738**
- Single Cell Applications in Mechanistic Toxicology  **Room 303A** **Abstract #: 1739-1742**
- The More, the Better? Single Biomarkers, Panels, and/or Composite Biomarkers to Characterize Organ Injury
Room 303C **Abstract #: 1743-1746**
- Variety Is the Life of Spice: The Clinical Toxicology of Synthetic Cannabinoids
Room 304C **Abstract #: 1747-1750**

RESEARCH FUNDING INSIGHTS SESSION

- Funding 101—Multiple Perspectives on the NIH Grant Process
Room 207C

3:00 PM to 4:00 PM

EXHIBITOR-HOSTED SESSIONS 

- Gradient **Room 206A**
- MilliporeSigma **Room 205B**
- In Vitro ADMET Laboratories Inc. **Room 205A**
- Syngene International Limited **Room 206B**

4:30 PM to 5:30 PM

EXHIBITOR-HOSTED SESSIONS 

- Altasciences **Room 206B**
- CN Bio Innovations Ltd **Room 205A**
- Biotoxtech and Korea Institute of Toxicology **Room 206A**
- Instrem **Room 205B**



4:30 PM to 9:30 PM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Allegheny-Erie, Lake Ontario, and Michigan Regional Chapters Joint Reception *Fire & Ice Restaurant*
- American Association of Chinese in Toxicology Special Interest Group Distinguished Chinese Toxicologist Lecture, Business Meeting, and Reception *Anaheim Marriott Marquis South*
- Association of Scientists of Indian Origin Special Interest Group Career Talk with Toxperts *Anaheim Marriott Marquis Northwest*
- Association of Scientists of Indian Origin Special Interest Group Reception *Anaheim Marriott Marquis Northwest*
- Biological Modeling Specialty Section Meeting/Reception *Anaheim Marriott Platinum 2*
- Carcinogenesis Specialty Section Meeting/Reception *Anaheim Marriott Platinum 3*
- Comparative and Veterinary Specialty Section Mentoring Event *Anaheim Marriott Orange County 1*
- Exposure Specialty Section Officers Meeting *Anaheim Marriott nFuse Restaurant*
- Immunotoxicology Specialty Section Meeting/Reception *Anaheim Marriott Marquis Northeast*
- Immunotoxicology Specialty Section Mentoring Event *Anaheim Marriott Marquis Northeast*
- Nanoscience and Advanced Materials Specialty Section Meeting/Reception *Anaheim Platinum 8*
- Ocular Toxicology Specialty Section Meeting/Reception *Anaheim Marriott Platinum 9*
- Pacific Northwest Regional Chapter Reception *Bucca di Beppo*
- Risk Assessment Specialty Section Meeting/Reception *Anaheim Marriott Marquis Center*
- Southeastern Regional Chapter Reception *The Jazz Kitchen*
- Special Interest Group Collaboration Group Meeting **Room 210B**
- Specialty Section Collaboration and Communication Group Officers Meeting **Room 203B**
- Toxicologists of African Origin Special Interest Group Reception *Anaheim Marriott Grand G*

4:45 PM to 6:00 PM

SOT/EUROTOX DEBATE 

Individual Toxicity Is the Future of Risk Assessment
Ballroom A



SOT Debater:
Syril D. Pettit, HESI, Washington, DC.



EUROTOX Debater:
Alan R. Boobis, Imperial College London,
London, United Kingdom.

Past Presidents' 5K Fun Run/Walk

March 17, 2020

6:00 AM
Anaheim, California



Supported by:
IDEXX
BioAnalytics



Register at
www.toxicology.org/funrun

Tuesday, March 17

6:00 AM to 7:00 AM

SPECIAL EVENT

- Past Presidents' 5K Fun Run/Walk (Registration Required)
Grand Plaza Center Section (Outdoor Space in Front of the CC)

8:00 AM to 10:45 AM

**SOCIETY OF TOXICOLOGY AND
JAPANESE SOCIETY OF TOXICOLOGY SYMPOSIUM** 

Oxidative Stress: Mechanisms and Manifestations
Ballroom C



JSOT Speaker:
Yoshito Kumagai, University of Tsukuba,
Tsukuba, Japan.



JSOT Speaker:
Yoshiro Saito, Tohoku University,
Sendai, Japan.

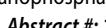


SOT Speaker:
Alicia R. Timme-Laragy, University of
Massachusetts Amherst, Amherst, MA.



SOT Speaker:
Dean P. Jones, Emory University
School of Medicine, Atlanta, GA.

SYMPOSIUM SESSIONS 

- Cellular Recovery and Resilience: A New Perspective on Toxicity Testing
Ballroom D  *Abstract #:* 1751-1756
- Cyanide as a Chemical Threat: Finding Better Antidotes  *Room 304C*  *Abstract #:* 1757-1762
- Electronic Cigarettes and Cardiovascular Toxicity: New Friend or Old Foe?
Room 204B  *Abstract #:* 1763-1768
- Environmental Exposure and Health Effects of Organophosphate Esters
Room 303C  *Abstract #:* 1769-1774
- Quantitative and Translational Systems Toxicology: Improving Drug Safety from Preclinical to Clinical Outcomes  *Ballroom A*  *Abstract #:* 1775-1779

8:00 AM to 10:45 AM

WORKSHOP SESSIONS 

- Human-Relevant Carcinogenicity Testing: Tools for Cancer Assessment in 2020 and Beyond
Room 304A *Abstract #: 1780-1785*
- Using Human Genetics to Aid in Safety Assessment of Therapeutics
Room 303A *Abstract #: 1786-1791*

PLATFORM SESSIONS 

- Bridging the Translational Gap in Drug Development
Room 204A *Abstract #: 1792-1800*
- Investigating Female Reproductive Toxicity
Room 204C *Abstract #: 1801-1810*

8:30 AM to 9:30 AM

UNDERGRADUATE EDUCATOR NETWORK MEETING

- All interested in the teaching of undergraduates are welcome.
Room 210B

9:00 AM to 10:45 AM*

POSTER SESSIONS 

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Computational Toxicology I

Poster Board #: P359-P397

Abstract #: 2025-2063

- Ecotoxicology

Poster Board #: P740-P772

Abstract #: 2329-2361

- Food Safety/Nutrition

Poster Board #: P659-P693

Abstract #: 2258-2292

- Nanotoxicology: *In Vitro*

Poster Board #: P464-P498

Abstract #: 2114-2148

- Nanotoxicology: *In Vivo*

Poster Board #: P443-P461

Abstract #: 2095-2113

- Nanotoxicology: Methodologies and Assessments

Poster Board #: P501-P519

Abstract #: 2149-2167

- Natural Products

Poster Board #: P695-P710

Abstract #: 2293-2308

- Regulation/Policy

Poster Board #: P551-P565

Abstract #: 2193-2207

- Skin and Dermal Toxicity

Poster Board #: P783-P803

Abstract #: 2362-2382

- Stem Cell Biology and Toxicology

Poster Board #: P401-P431

Abstract #: 2064-2094

9:00 AM to 4:30 PM

SOT TOX PRESENTATION CORNER

- This area will feature short, intimate presentations that provide **Training**, highlight **Opportunities** for growth, and foster **eXchanges** of science and ideas.

Exhibit Hall

TOXEXPO EXHIBITS

- Visit the 300+ exhibitors for product, service, and career insights.

Exhibit Hall

9:00 AM to 10:00 AM

EXHIBITOR-HOSTED SESSIONS 

- Battelle
Room 205A
- Corning Life Sciences
Room 206B
- Fraunhofer ITEM
Room 206A
- Lhasa Limited
Room 205B

9:30 AM to 3:30 PM

SPECIAL EVENT

- Blood Drive
Exhibit Hall

9:30 AM to 4:30 PM

RESEARCH FUNDING INSIGHTS

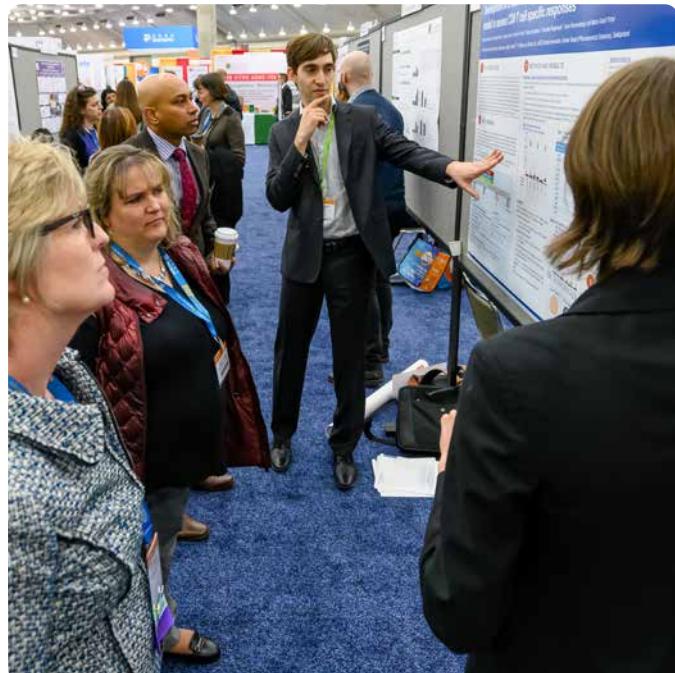
- Representatives from federal agencies are available for individual conversations.

Room 210C

10:30 AM to 11:30 AM

EXHIBITOR-HOSTED SESSIONS 

- Charles River and US EPA
Room 206B
- Promega Corporation
Room 205B
- Stemina Biomarker Discovery
Room 206A
- Visikol Inc.
Room 205A



10:45 AM to 12:30 PM*

POSTER SESSIONS PS

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Autoimmunity/Hypersensitivity
Poster Board #: P167–P177
Abstract #: 1869–1879
- Bioinformatics
Poster Board #: P317–P341
Abstract #: 2000–2024
- Endocrine Toxicology
Poster Board #: P179–P206
Abstract #: 1880–1907
- Immunotoxicity I
Poster Board #: P101–P132
Abstract #: 1811–1842
- Inflammation
Poster Board #: P133–P159
Abstract #: 1843–1868a
- Kidney
Poster Board #: P287–P311
Abstract #: 1975–1999
- Liver I
Poster Board #: P215–P244
Abstract #: 1908–1937
- Pesticides
Poster Board #: P717–P736
Abstract #: 2309–2328

11:00 AM to 12:00 Noon

**DISTINGUISHED TOXICOLOGY SCHOLAR
AWARD LECTURE FS**

Endocrine Disruption, Epigenetics, and Developmental Basis of Disease—Looking Back as We Look Forward
Ballroom E



Lecturer:

Shuk-me Ho, University of Arkansas for Medical Sciences, Little Rock, AR.

11:00 AM to 12:30 PM

TOXICOLOGICAL SCIENCES FEATURED SESSION FS

NextGen ToxSci: From Journal Improvements to Community Building through Social Media
Room 204C



Speakers:

Laura Van Winkle, University of California Davis, Davis, CA.



Jeffrey M. Peters, Pennsylvania State University, University Park, PA.



Alison Harrill, NIEHS, Research Triangle Park, NC.



Dana C. Dolinoy, University of Michigan School of Public Health, Ann Arbor, MI.



David Crotty, Oxford University Press, New York, NY.

SYMPOSIUM SESSION S

- Targeted Protein Degraders: Considerations for Nonclinical Safety Assessment of a New Pharmaceutical Modality
Room 303C

Abstract #: 2383–2386

11:00 AM to 12:20 PM

INFORMATIONAL SESSIONS IS

- Communicating Risk in a (Mis)information-Rich World
Ballroom C
- Current Status and Knowledge Gaps in the Use of Zebrafish in Risk Assessment
Ballroom D

Abstract #: 2387

Abstract #: 2388

EDUCATION-CAREER DEVELOPMENT SESSION EC

- A CURE for the Common Classroom: Engaging Students and Faculty in Course-Based Undergraduate Research Experiences to Maximize Academic Success and Productivity
Room 304C

Abstract #: 2389

11:30 AM to 2:00 PM (exact start and end times vary)

SOT COMPONENT GROUP EVENTS

- American Association of Chinese in Toxicology Special Interest Group
Career Development Workshop
Anaheim Marriott Orange County
3
- Cardiovascular Toxicology Specialty Section Meeting/Luncheon
Room 207C
- Clinical and Translational Toxicology Specialty Section
Meeting/Luncheon
Room 203B
- Drug Discovery Toxicology Specialty Section Mentoring Event
Room 203A
- Exposure Specialty Section Meeting/Luncheon
Room 208A
- Hispanic Organization of Toxicologists Special Interest Group
Mentoring Activity
Anaheim Marriott Grand A
- Mid-Atlantic Regional Chapter Luncheon
Morton's the Steakhouse
- Northeast Regional Chapter Student Luncheon
Anaheim Marriott Platinum
7

12:00 Noon to 1:00 PM

EXHIBITOR-HOSTED SESSIONS

- Agilent Technologies Inc.
Room 206B
- AnaBios
Room 205B
- ATCC
Room 206A
- Cyprotex
Room 205A

STUDENT AND POSTDOC EVENT

- Postdoctoral Assembly Luncheon
Room 201B

12:30 PM to 1:30 PM

UNDERGRADUATE STUDENT MEETING

- All undergraduate students invited.
Room 201D

1:30 PM to 4:15 PM

SYMPOSIUM SESSIONS

- Environmental Carcinogenesis: Effect of Carcinogen Exposure on the Genome and Health Risks
Ballroom E
Abstract #: 2390-2395
- Epigenetic Mechanisms of Metal-Induced Cancer Stem Cell-Like Property and Carcinogenesis
Room 204B
Abstract #: 2396-2401
- Immune Cell Polarization in Toxicology and Therapeutic Approaches
Room 304C
Abstract #: 2402-2407
- Organ to Silicon Chip: Emerging *In Vitro* and *In Silico* Tools for Evaluation of Cardiotoxicity
Room 303C
Abstract #: 2408-2413
- TaRGET II Consortium: Elucidating Epigenetic Responses to the Environment across Target and Surrogate Tissues
Ballroom D
Abstract #: 2414-2419

1:30 PM to 4:15 PM

WORKSHOP SESSIONS

- Genetic Mutations of Manganese Transporters: Clinical Presentation and Neurotoxicity
Room 303A
Abstract #: 2420-2425
- Mechanisms and Multiple Exposures: Methods to Tackle Toxicology's Most Difficult Challenges Using Systematic Review Frameworks
Ballroom C
Abstract #: 2426-2430

PLATFORM SESSIONS

- PFAS Mechanisms
Room 204A
Abstract #: 2431-2439
- Toxicity of E-cigarettes: The Unknown Dangers
Room 304A
Abstract #: 2440-2448

1:30 PM to 2:30 PM

EXHIBITOR-HOSTED SESSIONS

- InSphero Inc.
Room 206A
- MultiCASE, Inc.
Room 205A
- SenzaGen AB
Room 206B
- WuXi AppTec
Room 205B

1:30 PM to 2:50 PM

STUDENT AND POSTDOC EVENT

- Career Exploration through Speed Informational Interviews
(Ticket Required)
Room 201B

2:15 PM to 4:30 PM*

POSTER SESSIONS

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Animal Models
Poster Board #: P523-P547
Abstract #: 2168-2192
- Liver II
Poster Board #: P245-P281
Abstract #: 1938-1974
- Risk Assessment Applications II
Poster Board #: P589-P617
Abstract #: 2208-2236
- Risk Assessment Methods II
Poster Board #: P619-P639
Abstract #: 2237-2257

3:00 PM to 4:00 PM

EXHIBITOR-HOSTED SESSIONS

- Ellegaard Göttingen Minipigs A/S and Marshall BioResources
Room 205A
- Lonza
Room 205B
- NIEHS
Room 206B
- QIAGEN
Room 206A

4:30 PM to 5:30 PM

EXHIBITOR-HOSTED SESSIONS E

- Instem NEXEL Co. Ltd.
Room 206A
- Room 205B
- MN-AM, Molecular Networks & Altamira Room 205A

4:45 PM to 6:15 PM

SOT ANNUAL BUSINESS MEETING

- SOT members are encouraged to attend.
Room 204C

5:00 PM to 10:00 PM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Arab Toxicologists Association Special Interest Group Meeting/Reception
Anaheim Marriott Grand G
- Computational Toxicology, *In Vitro* and Alternative Methods, Mechanisms, Molecular and Systems Biology, and Regulatory and Safety Evaluation Specialty Sections and American Society for Cellular and Computational Toxicology Joint Mentoring Event
The Fifth
- Drug Discovery Toxicology Specialty Section Meeting/Reception
Anaheim Marriott Platinum 8
- Hispanic Organization of Toxicologists Special Interest Group Reception
Anaheim Marriott Platinum 5
- Korean Toxicologists Association in America Special Interest Group Reception
Pho Ha Plus
- Mechanisms Specialty Section Meeting/Reception
Anaheim Marriott Grand E
- Medical Device and Combination Product Specialty Section Career Panel
Anaheim Marriott Marquis Northeast
- Medical Device and Combination Product Specialty Section Meeting/Reception
Anaheim Marriott Marquis Northeast
- Metals Specialty Section Meeting/Reception
Anaheim Marriott Grand F
- Mountain West, Northeast, and Southern California Regional Chapters Joint Reception
Anaheim Marriott Platinum 6
- Neurotoxicology Specialty Section Meeting/Reception
Anaheim Marriott Marquis Center
- Northern California Regional Chapter Reception
House of Blues
- Regulatory and Safety Evaluation Specialty Section Meeting/Reception
Anaheim Marriott Marquis Northwest

7:30 PM to 9:00 PM

SPECIAL EVENT

- Tox ShowDown
Anaheim Marriott Marquis South

Wednesday, March 18

8:00 AM to 9:00 AM

TRANSLATIONAL IMPACT AWARD LECTURE FS

**Finding Better Cures for Chemical Poisonings:
An Unmet Need in Public Health**

Ballroom A



Lecturer:

David A. Jett, NIH Countermeasures Against Chemical Threats (CounterACT) Program and National Institute of Neurological Disorders and Stroke, Bethesda, MD.

8:00 AM to 10:45 AM

SYMPOSIUM SESSIONS S

- Immunosuppressive and Anti-inflammatory Activity of Cannabis and Cannabinoids: Adverse or Therapeutic?
Ballroom D *Abstract #:* 2450-2455
- Resolution of Inflammation in Chemical Toxicity/Tissue Injury: What's Emerging?
Room 204C *Abstract #:* 2456-2462
- Single Cell Technologies: A Potentially Transformative Tool for Toxicology ITS
Ballroom C *Abstract #:* 2463-2468

WORKSHOP SESSIONS W

- Applying Modern Toxicology to Dietary Supplements with Ancient Roots: Botanical Safety in the 21st Century
Room 303C *Abstract #:* 2469-2474
- Automation and Machine-Learning Techniques to Leverage Resources When Conducting a Systematic Review
Ballroom E *Abstract #:* 2475-2480
- *In Vitro* Microphysiological Systems: Developing Tools to Evaluate Immunotoxicity of Drug Candidates
Room 304A *Abstract #:* 2481-2485
- Sex, Lungs, and Air Pollution
Room 204B *Abstract #:* 2486-2491

REGIONAL INTEREST SESSION RI

- Protecting Public Health and the Environment during Wildfire Recovery
Room 303A *Abstract #:* 2492-2497

PLATFORM SESSION PL

- Cancer
Room 304C *Abstract #:* 2498-2505



9:00 AM to 10:45 AM***POSTER SESSIONS PS**

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Biological Modeling
Poster Board #: P558–P587
Abstract #: 2928–2957
- Clinical and Translational Toxicology
Poster Board #: P523–P531
Abstract #: 2898–2906
- Disposition/Pharmacokinetics
Poster Board #: P493–P520
Abstract #: 2870–2897
- Education, Ethical, Legal, and Social Issues
Poster Board #: P443–P455
Abstract #: 2822–2834
- Exposure Assessment/Biomonitoring
Poster Board #: P457–P491
Abstract #: 2835–2869
- Mechanisms of Arsenic Toxicity
Poster Board #: P221–P237
Abstract #: 2622–2638
- Metals I
Poster Board #: P155–P188
Abstract #: 2557–2590
- Metals II
Poster Board #: P190–P220
Abstract #: 2591–2621
- Neurotoxicity: General
Poster Board #: P685–P724
Abstract #: 3052–3090a
- Neurotoxicity: Metals
Poster Board #: P625–P657
Abstract #: 2994–3026
- Neurotoxicity: Pesticides
Poster Board #: P659–P683
Abstract #: 3027–3051
- Ocular Toxicology
Poster Board #: P533–P539
Abstract #: 2907–2913
- Oxidative Injury and Redox Biology
Poster Board #: P130–P153
Abstract #: 2534–2556a

9:00 AM to 4:30 PM**SOT TOX PRESENTATION CORNER**

- This area will feature short, intimate presentations that provide **Training**, highlight **Opportunities** for growth, and foster **eXchanges** of science and ideas.
Exhibit Hall

TOXEXPO EXHIBITS

- Visit the 300+ exhibitors for product, service, and career insights.
Exhibit Hall

9:00 AM to 10:00 AM**EXHIBITOR-HOSTED SESSIONS E**

- emka TECHNOLOGIES
Room 206B
- Fraunhofer ITEM
Room 206A
- PDS Life Sciences
Room 205A
- WuXi AppTec
Room 205B

9:30 AM to 3:30 PM**SPECIAL EVENT**

- Blood Drive
Exhibit Hall

9:30 AM to 4:30 PM**RESEARCH FUNDING INSIGHTS**

- Representatives from federal agencies are available for individual conversations.
Room 210C

10:30 AM to 11:30 AM**EXHIBITOR-HOSTED SESSIONS E**

- Axol Biosciences
Room 205B
- Charles River
Room 206B
- Ellegaard Göttingen Minipigs A/S and Marshall BioResources
Room 205A

10:45 AM to 12:30 PM***POSTER SESSIONS PS**

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Biotransformation/Cytochrome P450
Poster Board #: P541–P554
Abstract #: 2914–2927
- Cell Death Mechanisms
Poster Board #: P319–P328
Abstract #: 2718–2727
- Chemical Threats and Bioterrorism I
Poster Board #: P238–P260
Abstract #: 2639–2661
- Chemical Threats and Bioterrorism II
Poster Board #: P261–P285
Abstract #: 2662–2686
- DNA Damage and Repair
Poster Board #: P287–P318
Abstract #: 2687–2717a
- Immunotoxicity II
Poster Board #: P101–P128
Abstract #: 2506–2533
- Safety Assessment: Pharmaceutical—Drug Development
Poster Board #: P359–P395
Abstract #: 2749–2785

11:00 AM to 12:00 Noon

**EUROTOX BO HOLMSTEDT
MEMORIAL AWARD LECTURE **

**Understanding Three Fundamental Quantitative
Principles Is a Prerequisite for Improving Toxicological
Science and Risk Assessment**

Ballroom E



Lecturer:

*Wout Slob, Rijksinstituut voor
Volksgezondheid en Milieu (RIVM),
Bilthoven, Netherlands.*

11:00 AM to 12:20 PM

INFORMATIONAL SESSION 

- Novel Uses of Analytical Platforms for Efficacy/Safety Biomarker Selection to Improve De-risking of Therapeutics

Ballroom C

Abstract #: 3206

EDUCATION-CAREER DEVELOPMENT SESSION 

- Next-Generation Toxicologist Training through Innovative Summer Internships

Room 303A

Abstract #: 3207

11:00 AM to 1:30 PM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Ethical, Legal, Forensics, and Societal Issues Specialty Section Meeting/Luncheon
Room 207A
- Occupational and Public Health Specialty Section Meeting/Luncheon
Room 208A
- Regional Chapter Collaboration and Communication Committee Meeting
Room 209B
- Regulatory and Safety Evaluation and Risk Assessment Specialty Sections Joint Mentoring Event
Room 207C
- Women in Toxicology Special Interest Group Mentoring Session with Linda S. Birnbaum (*Registration Required*)
Room 201B

12:00 Noon to 1:00 PM

EXHIBITOR-HOSTED SESSIONS 

- Battelle
Room 205A
- Covance
Room 206B
- Crown Bioscience
Room 205B
- Leadscape— An InStem Company
Room 206A

12:30 PM to 1:30 PM

**PLENARY KEYNOTE MEDICAL RESEARCH COUNCIL
(MRC) LECTURE **

**Using Luciferase-Based Mouse Reporter Lines to
Detect and Track Epigenetic Changes Induced
by Environmental Exposures**

Ballroom A



Lecturer:

*Dame Amanda Fisher, MRC London Institute
of Medical Sciences, London, United Kingdom.*

1:30 PM to 4:15 PM

HOT TOPIC SESSION 

**E-cigarette, or Vaping, Product Use-Associated Lung
Injury (EVALI): Outbreak Analysis from Epidemiological,
Clinical, Forensic, and Mechanistic Perspectives**

Ballroom C



Speakers:

Paul Melstrom, ATSDR, Atlanta, GA.



*Laura E. Crotty, University of California
San Diego, San Diego, CA.*



*Catherine Dasenbrock, US FDA/ORA/ORS,
Cincinnati, OH.*



*Ilona Jaspers, University of North Carolina
at Chapel Hill, Chapel Hill, NC.*



1:30 PM to 2:30 PM

**LEADING EDGE IN BASIC SCIENCE
AWARD LECTURE **

Autophagy: A Cellular Adaptive Mechanism and Potential Therapeutic Target for Alcohol- and Drug-Induced Tissue Damage

Ballroom E



Lecturer:

Wen-Xing Ding, University of Kansas Medical Center, Kansas City, KS.

1:30 PM to 4:15 PM

SYMPOSIUM SESSION 

- Human Stem Cell-Derived Test Systems as Alternative Approaches for Developmental Neurotoxicity (DNT) Evaluation: Research and Regulatory Perspectives
Room 204B *Abstract #: 3208-3213*

WORKSHOP SESSIONS 

- Improving Our Understanding of Toxicant Metabolism and Cytochrome P450s Using Novel Knockout Models and High-Throughput Methods
Room 304A *Abstract #: 3214-3219*
- New Frontiers in Dynamic Toxicology
Ballroom D *Abstract #: 3220-3225*
- Parental Cannabis Exposure and Long-Term Neurobehavioral Deficits in Offspring
Room 303C *Abstract #: 3226-3231*

PLATFORM SESSION 

Immunotoxicity

Room 304C

Abstract #: 3232-3239

2:00 PM to 3:00 PM

STUDENT AND POSTDOC EVENT

- Trainee Discussion with Medical Research Council (MRC) Lecturer Dame Amanda Fisher (Ticket Required)
Room 202A

2:15 PM to 4:30 PM*

POSTER SESSIONS 

*Posters will be displayed from 9:00 am to 4:30 pm, with the author in attendance during the assigned Poster Session in the Exhibit Hall.

- Aryl Hydrocarbon Receptor
Poster Board #: P347-P351
Abstract #: 2744-2748 
- Cardiovascular Toxicology/Hemodynamics
Poster Board #: P725-P765
Abstract #: 3091-3131 
- Computational Toxicology II
Poster Board #: P590-P624
Abstract #: 2959-2993 
- Emerging *In Vitro* Systems
Poster Board #: P399-P413
Abstract #: 2786-2800 
- Mixtures
Poster Board #: P419-P438
Abstract #: 2802-2821 
- PFAS
Poster Board #: P767-P806
Abstract #: 3132-3171 
- Receptors
Poster Board #: P330-P345
Abstract #: 2728-2743 
- Tobacco and ENDS Toxicology
Poster Board #: P819-P852
Abstract #: 3172-3205 

4:30 PM to 11:00 PM (Exact Start and End Times Vary)

SOT COMPONENT GROUP EVENTS

- Dermal Toxicology Specialty Section Meeting/Reception
Anaheim Marriott Platinum 3
- In Vitro and Alternative Methods Specialty Section Meeting/Reception*
Anaheim Marriott Marquis Northeast
- Inhalation and Respiratory Specialty Section Meeting/Reception*
Anaheim Marriott Marquis Northwest
- Molecular and Systems Biology Specialty Section Meeting/Reception
Anaheim Marriott Platinum 8
- North Carolina and National Capital Area Regional Chapters Joint Reception
The Fifth
- Ohio Valley Regional Chapter Reception
The Cave
- Reproductive and Developmental Toxicology Specialty Section Meeting/Reception
Anaheim Marriott Marquis Center
- Stem Cells Specialty Section Meeting/Reception
Anaheim Marriott Platinum 2
- Women in Toxicology Special Interest Group Reception
Anaheim Marriott Platinum 5

Thursday, March 19

8:30 AM to 11:15 AM

SYMPOSIUM SESSIONS

- Application of RISK21 Framework in Regulatory-Based Decision-Making: From Business Decisions to Prioritization to Risk Assessment
Room 304A **Abstract #:** 3240-3245
- Chemical Probes in Toxicology: From Defining Exposures to Identifying Novel Toxicity and Druggable Targets
Ballroom E **Abstract #:** 3246-3251
- Express Yourself (or Not . . .): The Nonclinical Safety of Oligonucleotide Therapeutics
Ballroom C **Abstract #:** 3252-3256
- Identifying and Modeling Gene-Environment Interactions in Neurological Diseases Associated with Metal Exposure: Challenges and Recent Advances
Room 303C **Abstract #:** 3257-3262
- Protecting the Force: Examining the Hazards of Military Service from the Bench and the Battlefield
Room 303A **Abstract #:** 3263-3268

8:30 AM to 11:15 AM

WORKSHOP SESSIONS

- Cannabidiol Science, Safety, and Societal Impacts: Where Do We Stand? 
Ballroom D **Abstract #:** 3269-3274
- Have *In Vitro* Teratogenicity Assessments Come of Age in the Pharmaceutical Industry?
Ballroom A **Abstract #:** 3275-3280
- Immune-Mediated Adverse Drug Reactions: State-of-the-Art Learnings from Preclinical and Clinical Drug Development 
Room 204B **Abstract #:** 3281-3287

8:30 AM to 11:30 AM

LATE-BREAKING POSTER SESSION

- Topics to be announced by early March 2020
Hall C

Download the SOT Event App



for the most
up-to-date
schedule.

Venue Maps

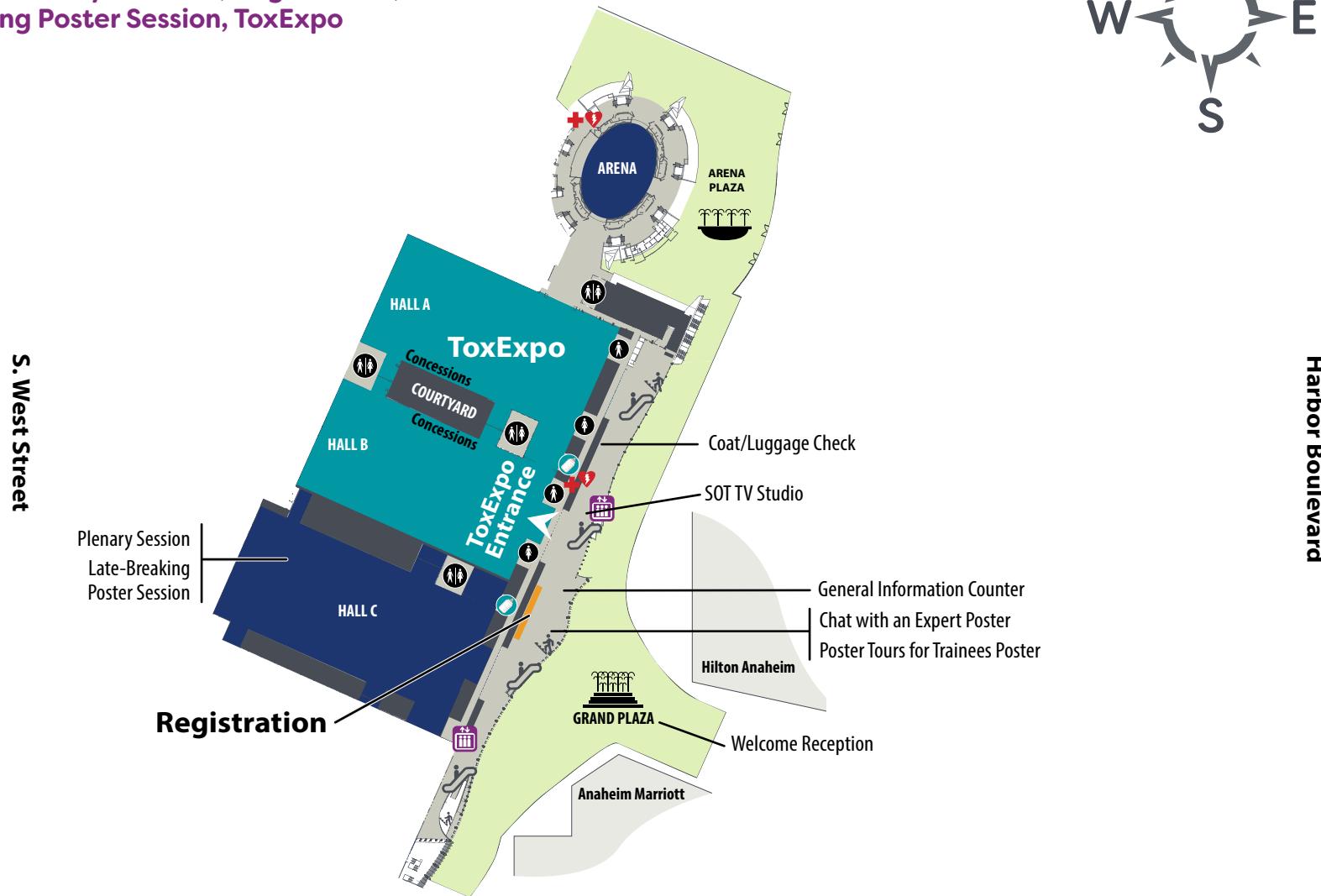
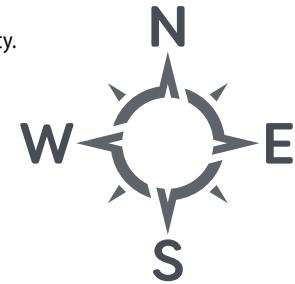


Anaheim Convention Center Maps—Level One

All Scientific Sessions are taking place in the Anaheim Convention Center. Other select events are taking place at the Anaheim Marriott hotel, as well as venues across the city.

Main Lobby, Plenary Lectures, Registration, Late-Breaking Poster Session, ToxExpo

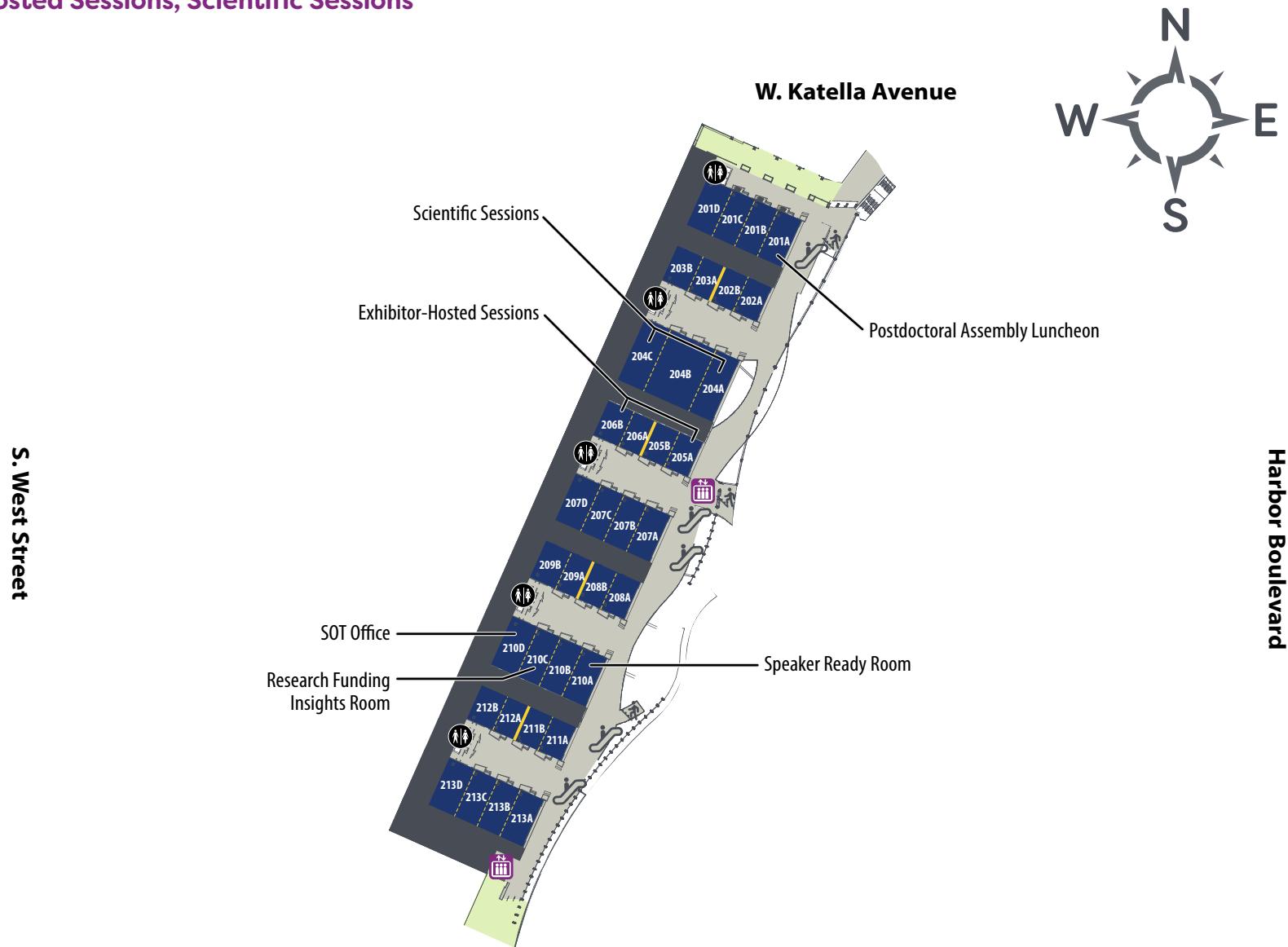
W. Katella Avenue





Level Two

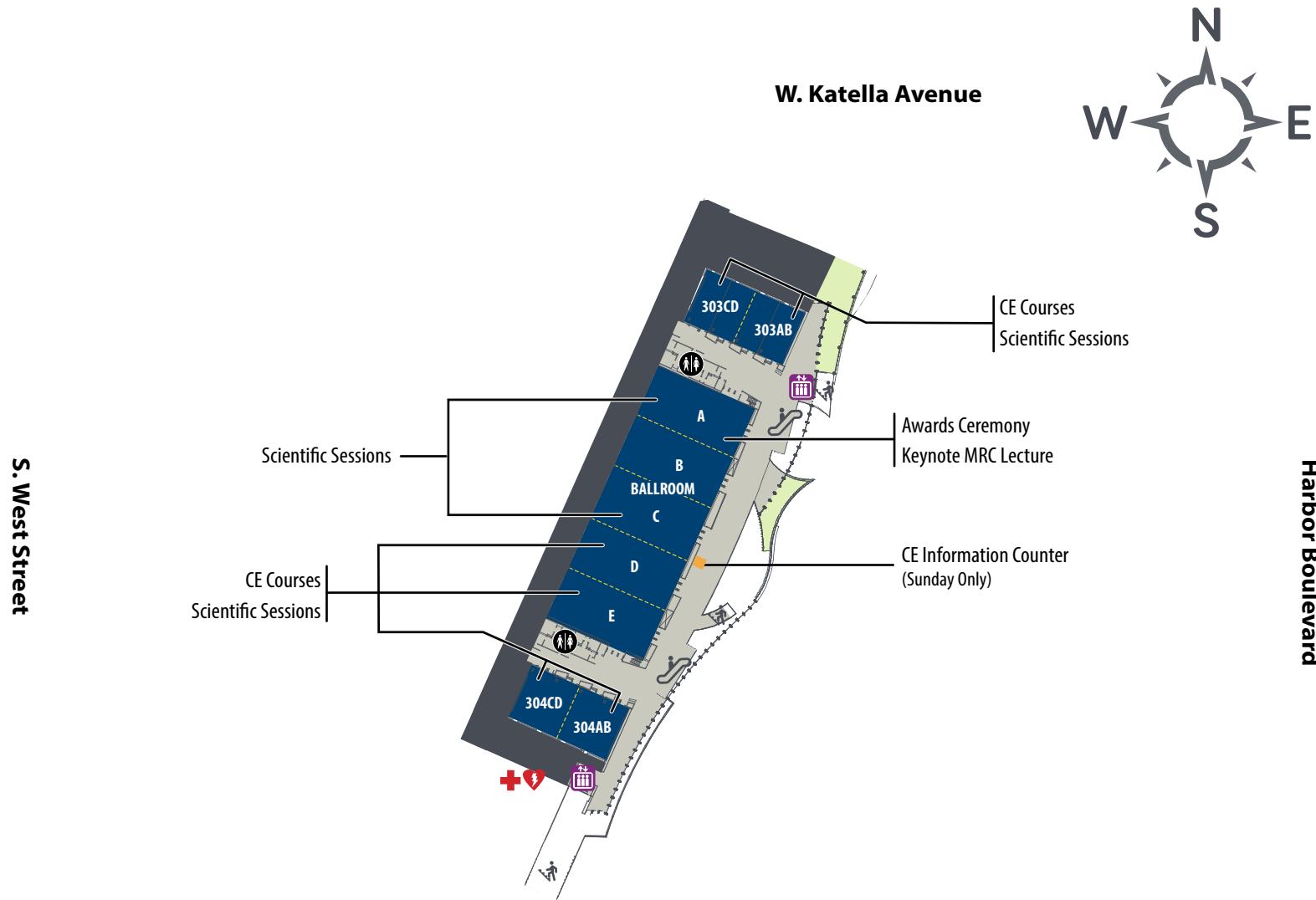
Exhibitor-Hosted Sessions, Scientific Sessions





Level Three

Awards Ceremony, CE Courses, Scientific Sessions





Lobby Level

25 Year (or More) Member Reception; Ancillary, Regional Chapter, Special Interest Group, Specialty Section, and Student/Postdoc Events; Tox ShowDown; Undergraduate Programs

