

Saturday, March 20

6:00 PM-8:30 PM

Workshops

Life as a Toxicologist—A Graduate Student and Post-Doc Primer to Careers in Toxicology
Taking Command of Your Career

Sunday, March 21

7:00 AM-7:45 AM

CONTINUING EDUCATION SUNRISE MINI-COURSE

1. Herbals and Dietary Supplements in Athletic Performance Enhancement: Fact vs. Fiction

8:15 AM-12:00 NOON

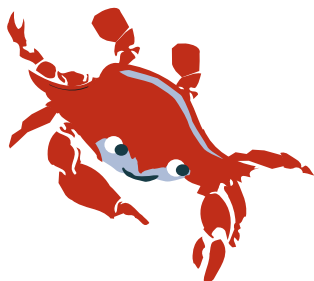
CONTINUING EDUCATION MORNING COURSES

2. Basic Neurotoxicology
3. Tools for Functional Genomics (Repeats as PM 10)
4. Of Mice and Magnets: Metabonomics Technology in Safety Assessment
5. Functional Flow Cytometry: Applications in Toxicology (Repeats as PM 12)
6. Understanding Lifespan Changes in Form and Function of the Female Reproductive System to Assess and Interpret Toxicity
7. The Safety Assessment of Proteins: Applications to Agricultural Biotechnology

1:15 PM-5:00 PM

CONTINUING EDUCATION AFTERNOON COURSES

8. Safety Pharmacology After ICH S7A & S7B
9. Skin Sensitization and Allergic Contact Dermatitis
10. Tools for Functional Genomics (AM 03 Repeated)
11. Computational Biology, Dose & Response
12. Functional Flow Cytometry: Applications in Toxicology (AM 05 Repeated)
13. Adrenal Gland: Mechanisms of Toxicity and Carcinogenesis



Monday, March 22

8:30 AM-9:15 AM

PLENARY LECTURE

Making Sense of Adverse Reactions and Interactions: Herbal Remedies, Nutraceuticals, and Drugs.
Lecturer: Joe and Terry Graedon, The People's Pharmacy

9:30 AM-12:00 NOON

SYMPOSIUM

Steroid Inactivation: Alternative Mechanisms of Endocrine Toxicity

WORKSHOPS

Assurance of Animal Welfare in Research: Coexistence of Toxicology Studies with Humane Endpoints
Electrophysiology Applied to Neurotoxicity
Evaluation of Promising New Drugs

ROUNDTABLE

Low-Dose Extrapolation: Time for a Fresh Look at an Old Problem

INNOVATIONS IN TOXICOLOGICAL SCIENCES

Lipomics, an Important Component of Metabolomics, and Possible Use in Toxicology Studies

PLATFORM SESSIONS

Immunotoxicity
Mechanisms of Hepatotoxicity I
Pharmaceutical Safety Evaluation—Cancer and Biologicals
Respiratory Tract—PM and the Cardiovascular System
TCDD

9:30 AM-12:30 PM

POSTER SESSIONS

Developmental Toxicity
Disposition/Pharmacokinetics
Genotoxicity
Hypersensitivity/Allergy
In Vitro/Animal Alternative Models I
Metal Genotoxicity and Induction of Gene Expression
Neurotoxicity, General I
Receptor I

12:15 PM-1:15 PM

MRC LECTURE

Gateway to Apoptosis
Lecturer: Prof. Stanley Korsmeyer, Dana Farber Cancer Institute, Harvard Medical School

ROUNDTABLE

Student Symposium on Effective Presentations

1:30 PM-4:30 PM

SYMPOSIA

Gene Expression Influences on Metal Immunomodulation
Systems Biology: A New Venue for Exploring Mechanisms of Developmental Toxicity

WORKSHOPS

Current Status and Future Considerations for the Development of Skin Toxicology Alternative Methods
Diesel Emissions: New Horizons in the Chemistry, Health Effects and Regulations
Nutraceuticals as Double-Edged Swords: Weighing Benefits, and Risks of Dietary Chemicals to Human Health

PLATFORM SESSIONS

Cytochrome P450: Expression and Function
Mechanisms of Ovarian and Uterine Toxicity
Safety Biomarkers: Application of "Omics"

POSTER SESSIONS

Carcinogenesis I
Chemical-Induced Immunomodulation
Endocrine I
Exposure/Epidemiology
Kidney
Mechanisms of Hepatotoxicity II
Metal Exposure and Metabolism
Neurotoxicity, General II
Neurotoxicity of Manganese
Receptor II: Ah Receptor

Tuesday, March 23

7:30 AM-8:15 AM

SPECIAL SESSIONS

Regulatory Oversight of Research Involving Humans. Lecturer: Bernard Schwetz, DHHS

8:30 AM-11:30 AM

SYMPOSIA

Mechanisms of Cardiovascular Toxicity by 2,3,7,8-Tetrachlorodibenzo-p-dioxin and Related Halogenated Aromatic Hydrocarbons
New Developments in Oxidative Phospholipid Signaling in Apoptosis and Phagocytic Regulation of Inflammatory Response
Toxicogenomic Databases and Their Role in the Toxicology Community

WORKSHOP

The Role of Methylation in Arsenic Toxicity and Risk: The Enigma Continues

ROUNDTABLE

Contribution of Neurobehavioral Assessment of Offspring to Hazard Identification and Characterization

PLATFORM SESSIONS

BWF/SOT New Investigator-Reprogramming Gene Expression in Response to Insult
Carcinogenesis Models and Mechanisms
Gene Expression: Liver
Hypersensitivity I
Mechanisms of Phase I and Phase II Biotransformation I

9:30 AM-12:30 PM

POSTER SESSIONS

Biomarkers/Biomonitoring
Cardiovascular Toxicology
Developmental and Age-Dependent Neurotoxicity of Metals
Immunotoxicity: *In Vitro*/Mechanisms
Male Reproductive Toxicity Testing
Natural Products
Pharmaceutical Safety
Respiratory Tract I
Respiratory Tract II—Fuels
Risk Assessment I
Safety Evaluation I
Toxicity of Metals

12:00 NOON-1:00 PM

DEBATE

SOT/EUROTOX Debate
Motion: Nutraceuticals Should be Regulated as Drugs

1:30 PM-4:30 PM

SYMPOSIA

Modulation of Host Defenses by Ambient and Source Particulate Air Pollutants
The Present and Future of Toxicogenomics in Preclinical Drug Development
Tissue and Species Differences in the Regulation of Cytochrome P450s

WORKSHOP

Systemic Drug Allergy: Frequency, Challenges, Mechanisms, and Need for Predictive Models

ROUNDTABLE

Science in the Legislative Process: A Congressional and Scientific View

PLATFORM SESSIONS

Ah Receptor
Analysis of Genetic Polymorphisms
Mechanisms of Oxidative Injury

POSTER SESSIONS

Carcinogenesis II
Environmental/Ecotoxicology
Female and Multigeneration Reproductive Toxicity
Food Safety and Nutraceuticals
Metal Activation of Oxidative Stress and Signal Transduction Pathways
Neurotoxicity, Pesticides I
Neurotoxicology of Lead, Mercury and Other Metals
Safety Evaluation II
Signal Transduction II
TCDD & Other POPs/*In Vivo*

Wednesday, March 24

8:30 AM-11:30 AM

SYMPOSIA

- Arsenic Disruption of Cell Cycle: Mechanisms and Effects on Apoptosis, Differentiation and Carcinogenesis
- Occupational Skin Exposure: Current Trends and Future Directions from the Field to Genomics
- Xenobiotic-Activated Receptors: Biological Functions and Disease Prevention

WORKSHOPS

- Agricultural Chemical Safety Assessment: A Multi-Sector, International Proposal
- Histomorphology and Beyond: Correlating Non-Clinical Immune Modulation with Clinical Data
- Zebrafish—A Model Organism for Assessing Developmental Toxicity in Drug Discovery/Environmental Risk Assessment

PLATFORM SESSIONS

- Biomarkers of Exposure and Effects
- Hypersensitivity II
- Omics Technologies: Application in Toxicology
- Respiratory Tract V—Tobacco Smoke and COPD

9:30 AM-12:30 PM

POSTER SESSIONS

- Biological Modeling
- Developmental Neurotoxicity I
- Endocrine II
- Gene Expression I
- In Vitro*/Animal Alternative Models II
- Mechanisms of Phase I and Phase II Biotransformation II
- Molecular Hepatotoxicity
- Neurotoxicity, Pesticides II
- Oxidative Stress I
- Pharmaceutical Safety Evaluation
- Respiratory Tract III - Particulate Matter
- TCDD & Other POPs/*In Vitro*

12:00 NOON-1:00 PM

ISSUES SESSION

- Does Funding Source Influence Research Integrity?

SPECIAL WORKSHOP

- A Conversation with the Directors

1:30 PM-4:30 PM

SYMPOSIA

- Comparison of Threshold Dose-Response Methods for Entire Data Sets: Copper as a Case Study
- Environmental Pollution and the Immune System: Mechanisms of Immunotoxicity Across Phyla
- Use of Molecular Approaches to Examine Mechanisms of Neurotoxicity

WORKSHOPS

- Biomarkers: Development, Evaluation and Use
- Hormone Replacement Therapy: A Challenge of Risks and Benefits
- Strategies to Identify Bioactive Substances in Complex Air Pollutant Mixtures

PLATFORM SESSIONS

- Fish Models
- Gene Expression: Oxidant Stress

POSTER SESSIONS

- Apoptosis I
- Carcinogenesis III
- Cardiovascular Methods & Markers
- Chemical & Biological Warfare Posters
- Cytochrome P450 Mediated Metabolism of Xenobiotics
- Cytochrome P450 Regulation by Xenobiotics
- Developmental Neurotoxicity II
- Education and Public Outreach
- Gene Expression II
- Regulatory/Policy
- Risk Assessment II
- Skin

Thursday, March 25

8:30 AM-11:30 AM

SYMPOSIA

- Assessing the Biological and Environmental Risks of Nanoparticulates
- Molecular Profiling and Computer Modeling in Early Detection and Treatment of Cancer

WORKSHOPS

- Novel Approaches to Engaging Toxicologists in K-12 Science Education and Outreach
- The National Children's Study: Progress Developing Methods Appropriate for Assessing Children's Exposure, Biomarkers, and Genetic Susceptibility

ROUNDTABLE

- Developing the Use of Threshold Concept for Protein Allergens

PLATFORM SESSIONS

- Animal Alternative Models
- Chemical & Biological Warfare
- DNA Damage and Repair

POSTER SESSIONS

- Apoptosis II
- Gene Expression III
- Genetic Polymorphisms
- Immunotoxicity: Methods and Validation
- Inhalation Toxicology - Methodology and Kinetics
- Juvenile and Perinatal Toxicity Studies
- Omics
- Oxidative Stress II
- PBDEs
- Pesticides, General
- PFOS/PFOC
- Physiologically-Based Pharmacokinetic Models
- Polycyclic Aromatic Hydrocarbons

Special Events Sponsored by the Society of Toxicology

Saturday, March 20

- 2:00 PM-5:00 PM
Committee Chair Orientation
- 4:00 PM-7:00 PM
Registration Desk Open
- 5:30 PM-6:00 PM
Pre-Workshop Reception
- 5:30 PM-9:00 PM
Undergraduate Education Program for Minority Students

Sunday, March 21

- 8:00 AM-5:00 PM
Undergraduate Education Program
- 5:15 PM-6:30 PM
Awards Presentation
- 6:30 PM-7:30 PM
Welcoming Reception
- 7:00 PM-8:00 PM
25-Year Member Reception
- 7:30 PM-8:30 PM
Student/Post-Doctoral Fellow Mixer

Monday, March 22

- 7:30 AM-3:00 PM
Undergraduate Education Program for Minority Students
- 9:30 AM-11:30 AM
Poster Session for Visiting Students
- 4:30 PM-6:00 PM
Placement-Career Development Seminar:
Job Search Skill Workshop
- 4:30 PM-5:30 PM
Undergraduate Toxicology Teaching Forum
- 4:30 PM-6:00 PM
Specialty Section Presidents' Meeting
- 6:00 PM-7:30 PM
Specialty Section Meetings:
Biological Modeling, Carcinogenesis, Inhalation, Metals, Neurotoxicology, Regulatory and Safety Evaluation

Various Times

- Regional Chapter Meetings/Receptions (Refer to the *Events Calendar* on pages 2-6)

Tuesday, March 23

- 7:00 AM-8:30 AM
Regional Chapter Presidents and Officers Meeting
- 8:00 AM-4:30 PM
Paracelsus Goes to School Teacher Workshops
- 12:00 NOON-1:15 PM
In Vitro Toxicology Lecture for Students
- 1:30 PM-4:00 PM
Grantsmanship Forum
- 4:30 PM-6:00 PM
Annual Business Meeting
- 5:30 PM-6:30 PM
Regional Chapter Contacts for K-12 Education Meeting
- 6:00 PM-7:30 PM
Specialty Section Meetings:
Comparative and Veterinary, Dermal, Food Safety, Hispanic Organization for Toxicologists, *In Vitro*, Molecular Biology, Reproductive and Developmental, Women In Toxicology

Various Times

- Regional Chapter Meetings/Receptions (Refer to the *Events Calendar* on page 2-6)

Wednesday, March 24

- 7:15 AM-8:15 AM
Town Meeting: SOT Endowment—Your Future Presiding: Linda S. Birnbaum, Vice President
- 4:45 PM-5:30 PM
Council Meeting with Students/Post-Doctoral Fellows
- 6:00 PM-7:30 PM
Specialty Section Meetings:
Epidemiology, Ethical, legal, and Social Issues, Immunotoxicology, Mechanisms, Occupational Health, Risk Assessment, and Toxicology and Exploratory Pathology

Various Times

- Regional Chapter Meetings/Receptions (Refer to the *Events Calendar* on page 2-6)

Overview