

Sunday, March 9

**CONTINUING EDUCATION
SUNRISE MINI-COURSE**

7:00 AM-7:45 AM

1. Sunrise Mini-Course:
Application of Stem Cells in Biomedical Research

**CONTINUING EDUCATION
MORNING COURSES**

8:15 AM-12:00 NOON

2. Essential Informatics for Toxicologists
3. Unfolding the Secrets in Culturing Brain Cells: Theory, Techniques, and Beyond
4. The Nuts and Bolts of Genetically Engineered Mice in Toxicology
5. Fundamentals of Risk Assessment and Applications of Recent Methodologies to Difficult Problems
6. Cutaneous Toxicity—Current Methods and Concepts in Safety Evaluation and Relevance to Human Exposure
7. Medicinal Herbals and Dietary Supplements

**CONTINUING EDUCATION
AFTERNOON COURSES**

1:15 PM-5:00 PM

8. Genomic and Proteomic Array Formats on the Cutting-Edge
9. Integrating Toxicologic Pathology into Compound Evaluation and Risk Assessment II
10. Choice and Application of Classical, Population or Physiologically-Based PK for Chemical Assessment and Pharmaceutical Development
11. Evaluation of Immunomodulation in Safety Assessment
12. The Effects of Non-Reproductive Hormones on the Reproductive System and the Implications for Toxicology
13. Epigenetics of Cancer

Monday, March 10

PLENARY LECTURE

8:30 AM-9:15 AM

Smallpox: The Death and Resurrection of a Virus.
Lecturer: Dr. Donald Henderson, Office of Public Health Preparedness, HHS

SYMPOSIUM

9:30 AM-12:00 NOON

Understanding Mechanisms of Toxicity of Immunosuppressive Drugs to Improve Their Safety Profiles and Broaden the Scope of Their Use

9:30 AM-12:00 NOON

Use and Application of Stem Cells in Toxicology

1:30 PM-4:30 PM

Free Radicals in the Toxicity of Alcohols

1:30 PM-4:30 PM

Gene-Environment Interactions *In Utero*: The Fetal Basis of Adult Disease

1:30 PM-4:30 PM

Health Risk Assessment of Hexavalent Chromium in Drinking Water: Carcinogenicity, Research, and Regulation

1:30 PM-4:30 PM

World Trade Center Aftermath: Looking Back Towards the Future

WORKSHOPS

9:30 AM-12:00 NOON

Bioterrorism and Its Toxicological Effects

9:30 AM-12:00 NOON

Cumulative Risk Assessment: Getting from Toxicology to Quantitative Analysis

1:30 PM-4:30 PM

Dermal Exposure Leading to Respiratory Tract Sensitization and Disease: A Trivial or Critical Link?

MRC LECTURE

12:15 PM-1:15 PM

Prion Pathogenesis: A Journey Through Gut, Spleen, and Nerves
Lecturer: Dr. Adriano Aguzzi, Department of Pathology, University Hospital Zurich

PLATFORM SESSIONS

9:30 AM-12:00 NOON

Epigenetic Mechanisms in Carcinogenesis
Kidney I

Molecular Mechanisms of Oxidative Injury
Proteomic and Genomic Technologies in Biomarker Development

1:30 PM-4:30 PM

Characterization of Toxicant Signatures Using Gene Expression Microarrays

Deregulation of Signal Transduction Mechanisms by Toxicants
Mechanisms of Apoptosis

POSTER SESSIONS

9:30 AM-12:30 PM

Biological Models
Drinking Water Risk Assessment
Female Reproductive System
Hypersensitivity/Allergy
Metal Neurotoxicity I
Metal Toxicity
Minerals and Man-Made Fibers
Pharmaceutical Toxicity Testing
Respiratory Tract I
Role of Environmental Agents in Cardiovascular Disease

1:30 PM-4:30 PM

Carcinogenicity Bioassays
Cytochrome P450 Regulation by Xenototics
Genetic Polymorphism in Toxicity and Metabolism
Immunotoxicological Methods/Method Validation
Metal Neurotoxicity II
Multigeneration Reproductive Toxicity
Neurotoxicology: General
Oxidative Injury
Pesticides
Signal Transduction
Toxicogenomics and Proteomics I

Tuesday, March 11

SYMPOSIUM

8:30 AM-11:30 AM

Effects of Bystander Cells: Implications for Low-Dose Extrapolation of Chemical and Radiation-Induced Cancer Risk

8:30 AM-11:30 AM

Genomics and Proteomics in Reproductive and Developmental Toxicity

8:30 AM-11:30 AM

Red Tides: A Recurring Public Health Problem

8:30 AM-11:30 AM

Stress Activated Signal Transduction Pathways

1:30 PM-4:30 PM

Advances in Toxicogenomics: NIEHS National Center for Toxicogenomics

1:30 PM-4:30 PM

Molecular Mechanisms of Cardiovascular Toxicity of Metals and Metalloids

1:30 PM-4:30 PM

Novel Insights into the Toxicology of Lung Oxidative Stress

WORKSHOPS

8:30 AM-11:30 AM

Metal Speciation in Toxicology: Determination and Importance for Risk Assessment

1:30 PM-4:30 PM

Challenges of the Developmental Neurotoxicity Study

1:30 PM-4:30 PM

Mode of Action in Assessing Human Relevance of Animal Tumors: Improving the Framework for Analysis

SPECIAL WORKSHOP

7:15 AM-8:15 AM

A Conversation with the Director of the NCI, U.S. EPA – Dr. Peter Preuss

7:15 AM-8:15 AM

A Conversation with the Director of the NIOSH – Dr. Albert Munson

DEBATE

12:00 NOON-1:00 PM

SOT/EUROTOX Debate

Motion: Pharmaceuticals in Drinking Water Pose a Risk to Human and Environmental Health

PLATFORM SESSIONS

8:30 AM-11:30 AM

Gene Expression Markers of Toxicity

Immunotoxicology I

Particles and Allergic Asthma

1:30 PM-4:30 PM

Developmental Toxicity Mechanisms

Immunotoxicology II

Methods to Evaluate Hypersensitivity/Allergy

Nuclear, Cytosolic and Membrane Receptor-Mediated Xenobiotic Signal Transduction I

POSTER SESSIONS

9:30 AM-12:30 PM

Chemical & Biological Weapons

Developmental Neurotoxicology

Disposition/Pharmacokinetics

Endocrine System

In Vitro Toxicology Models

Risk Assessment I

Toxicogenomics and Proteomics II

1:30 PM-4:30 PM

Environmental/Ecotoxicology

Epidemiology/Exposure Assessment

Genotoxicity: Damage and Repair

In Vitro Toxicity Models to Minimize Animal Use

Inhibition of Carcinogenesis

Liver/Gastrointestinal System

Metals: Genotoxicity, Gene Expression and

Carcinogenicity

Physiologically Based Pharmacokinetic Models

Program

SOT 2003 Annual Meeting

Wednesday, March 12

SYMPOSIA

8:30 AM-11:30 AM
Children's Health Risk: What's So Special About the Developing Immune System?

8:30 AM-11:30 AM
Temporal Specific Expression of Toxicant-Metabolizing Enzymes: Implications for Life-Stage-Dependent Toxicity

1:30 PM-4:30 PM
Fundamentals of Protein Allergenicity: Why are Some Proteins Allergenic?

INNOVATIONS IN TOXICOLOGICAL SCIENCES

8:30 AM-11:30 AM
Beyond Genomics: Image Analyses and Computational Biology

INNOVATIONS IN APPLIED TOXICOLOGY
1:30 PM-4:30 PM
Genomic and Proteomic Analysis of Surrogate Issues for Assessing Toxic Exposures and Disease States

WORKSHOPS

8:30 AM-11:30 AM
Occupational Lung Disease in Response to Mixed Exposures: Approaches to Identify the Toxicity of Process-Dependent Contaminants

1:30 PM-4:30 PM
Dose-Dependent Transitions in Toxic Mechanisms

1:30 PM-4:30 PM
Questions Surrounding Depleted Uranium Toxicity: Answers from the Clinic and the Laboratory

1:30 PM-4:30 PM
Vanilloid Receptors: Mediators of Respiratory Injury

ISSUES SESSION

12:00 NOON-1:00 PM
Toxicology: Ethical, Legal, and Social Issues

SPECIAL WORKSHOPS

7:00 AM-8:15 AM
Placement Committee Roundtable: Insulation and Repair of Your Professional Career

12:00 NOON-1:00 PM
A Conversation with the Assistant Administrator of the ATSDR – Dr. Henry Falk

12:00 NOON-1:00 PM
A Conversation with the Director of the NIEHS – Dr. Kenneth Olden

PLATFORM SESSIONS

8:30 AM-11:30 AM
Genotoxicity: Models, Mechanisms, and Mutagenicity
Hypersensitivity
TCDD & POPs

1:30 PM-4:30 PM
Burroughs Wellcome Fund New Investigator Session
Endocrine System
Gene-Environment Interactions in Cardiovascular Disease
In Vitro Models of Hepatotoxicity

POSTER SESSIONS

9:30 AM-12:30 PM
Biomarkers of Exposure and Effect
Cellular and Molecular Neurotoxicology
DNA and Protein Adducts as Biomarkers
Food Safety/Nutrition
Gene Expression I
Gene Expression II Toxicogenomics
In Vitro/Alternative Test Models for Developmental Toxicity
Male Reproductive System
Mechanisms of Carcinogenesis
Metals: Signal Transduction and Oxidative Stress

1:30 PM-4:30 PM
Biotransformation
Cytochrome P450-Mediated Metabolism of Xenobiotics II
Eye
Hydrocarbons I
Immunotoxicology III
Juvenile Toxicity, and Developmental Toxicity in Nonrodent Species
Metals and the Respiratory Tract
Methods in Inhalation Toxicology
Neurotoxicity, Pesticides
Reactive Intermediates and Bioactivation Pathways of Xenobiotics
Respiratory Tract II
Safety Evaluation I

Thursday, March 13

SYMPOSIA

8:30 AM-11:30 AM
Biomarkers of Efficacy of Chemopreventive Agents in Animal Models and in Humans

8:30 AM-11:30 AM
Environmental Modulation of Puberty

WORKSHOP

8:30 AM-11:30 AM
Methods for the Identification and Characterization of Chemical Respiratory Allergens

SPECIAL WORKSHOP

7:15 AM-8:15 AM
A Conversation with the Assistant Administrator of the Office of Research and Development, U.S. EPA – Dr. Paul Gilman

PLATFORM SESSIONS

8:30 AM-11:30 AM
Cytochrome P450-Mediated Metabolism of Xenobiotics I
Hydrocarbons II
Toxicogenomic Evaluation of Hepatotoxicity Mechanisms

POSTER SESSIONS

8:30 AM-11:30 AM
Apoptosis
Developmental Toxicity Testing
Glutathione
Immunotoxicology IV
Kidney II
Metal Exposure, Transport and Distribution
Natural Products
Nuclear, Cytosolic, and Membrane Receptor-Mediated Xenobiotic Signal Transduction II
Regulatory/Policy
Risk Assessment II
Safety Evaluation II
Skin
TCDD & POPs I
TCDD & POPs II

Special Events Sponsored by the Society of Toxicology

SATURDAY, MARCH 8

2:00 PM-5:00 PM
Committee Chair Meeting

4:00 PM-7:00 PM
Registration Desk Opens

5:30 PM-8:45 PM
Undergraduate Education Program for Minority Students

SUNDAY, MARCH 9

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 10

8:00 AM-1:00 PM
Undergraduate Education Program for Minority Students

9:30 AM-11:45 AM
Poster Session for Visiting Students

12:00 NOON-1:00 PM
Regional Chapter Contacts for K-12 Education Meeting

4:30 PM-6:00 PM
Placement-Career Development Seminar: Putting It All Together Professionally

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 Receptions:
Epidemiology, Immunotoxicology, Mechanisms, Occupational Health, Risk Assessment, Toxicologic and Exploratory Pathology

Various Times
Regional Chapter Meetings/Receptions

TUESDAY, MARCH 11

7:00 AM-8:30 AM
Regional Chapter Presidents Meeting

7:00 AM-8:30 AM
Student Advisory Committee Meeting

7:45 AM-4:30 PM
Paracelsus Goes to School Teacher Workshops

7:45 AM-11:45 AM
Mentor Training for K-12 Outreach

12:00 NOON-1:15 PM
In Vitro Toxicology Lecture and Luncheon

2:00 PM-4:00 PM
Grantsmanship Forum

4:30 PM-6:00 PM
Annual Business Meeting

6:00 PM-7:30 PM
Specialty Section Receptions:
Biological Modeling, Carcinogenesis, Inhalations, Metals, Neurotoxicology, Regulatory and Safety Evaluation

Various Times
Regional Chapter Meetings/Receptions

WEDNESDAY, MARCH 12

7:15 AM-8:15 AM
Town Meeting: Meeting the Publication Needs of the Toxicology Community
Presiding: Marion Ehrich, Vice President

4:40 PM-5:30 PM
Council Meeting with Students/Post-Doctoral Fellows

5:30 PM-6:00 PM
SOT Council Meeting with Student Advisory Committee

6:00 PM-7:30 PM
Specialty Section Receptions:
Comparative and Veterinary, Dermal, Food Safety, *In Vitro*, Molecular Biology, Reproductive and Developmental, Women In Toxicology

Various Times
Regional Chapter Meetings/Receptions

SOT 2003 Annual Meeting