

Society of Toxicology Annual Meeting • March 7-11, 2010
NIEHS and NTP Activities
(Booth 1600)

Sunday, March 07, 2010

Time	Session Info
8:15 AM-12:00 PM, Room 150 (Convention Center) CE	Predictive Power of Novel Technologies (Cells to 'Omics): Promises, Pitfalls, and Potential Applications Chairpersons Srikanth S. Nadadur and Mary Jane Cunningham
	'Omics to Predict Specific Interaction(s) in Complexity <i>Srikanth S. Nadadur</i>
8:15 AM-12:00 PM, Room 151 (Convention Center) CE	Reproduction and Regulatory Impact
	Basic Biology and Study Designs <i>Chad Blystone</i>
1:15 PM-5:00 PM, Room 250 (Convention Center) CE	Technologies and Tools for Toxicity Testing in the 21st Century
2:00 PM, Room 250 (Convention Center) CE	Whole Genome Technologies: Integrating Human Genetic Variability into Toxicology <i>Douglas A. Bell</i>
8:00 AM-5:00 PM, (Convention Center)	Undergraduate Education Program
2:00 PM-2:40 PM, Room 255-C (Convention Center)	Career Opportunities in Toxicology – Panel Discussion <i>Michelle Hooth</i>

Monday, March 08, 2010

Time	Session Info
12:30 PM-1:20 PM, Room 251-A (Convention Center)	Leading Edge in Basic Science Award Lecture: Toxicogenomics at NIEHS: How Genomics Is Impacting the Science of Toxicology <i>Richard S. Paules</i>
9:15 AM-12:00 PM, Ballroom D (Convention Center) Platform Session	Immunopharmacogenomics and Immune Regulation Chairpersons Dori Germolec and Enrique Fuentes Mattei
9:15-9:34 AM	Gene Expression Alterations in Immune System Pathways Following Exposure to Immunosuppressive Chemicals <i>R. P. Frawley; K. L. White, Jr; D. Musgrove; R. Brown; N. J. Walker; D. R. Germolec</i>

9:30 AM-12:30 PM, *Exhibit Hall*

Toxicity Testing- Alternative Models I

Poster Board 116. ICCVAM Recommendations for Using In Vitro Ocular Toxicity Test Methods to Identify Substances Not Labeled as Irritants: A Bottom-Up Approach *M. Wind; M. Cesta; A. Jacobs; J. Merrill; D. McCall; J. Redden; W. Stokes*

Poster Board 117. Testing of Coded Substances in the NICEATM/ECVAM/JaCVAM LUMI-CELL® STTA Multiphase International Validation Study *P. Ceger; F. Deal; D. Allen; G. Clark; P. Pazos; J. de Lange; S. Bremer; M. Nakamura; H. Kojima; A. Ono; R. Tice; W. Stokes*

9:30 AM-12:30 PM, *Exhibit Hall*

Screening and Predicting Toxicity: Computational Approaches to Identify Targets

Poster Board 412. A Statistical Framework for Analyzing Quantitative High Throughput Screening Data (qHTS) *K. Shockley; G. Kissling; R. Huang; M. Xia; C. Austin; R. Tice*

9:30 AM-12:30 PM, *Exhibit Hall*

Mechanistic Aspects of Persistent Organic Chemical Toxicity

Poster Board 535. Oxidative DNA Adducts in the Livers of Female Sprague-Dawley Rats Chronically Exposed to Polyhalogenated Aromatic Hydrocarbons (PHAHs) *L. Gao; E. Multu; P. Upton; L. Collins; N. Walker; J. Olson; J. Swenberg*

9:30 AM-12:30 PM, *Exhibit Hall*

Hypersensitivity, Autoimmunity, and Idiosyncratic Drug Reactions

Poster Board 705. An Evaluation of 1-Butyl-3-methylimidazolium Chloride (EMI) and 1-Ethyl-3-methylimidazolium Chloride (BMI): Two ionic liquids with Differing Effects on Contact Hypersensitivity in Female BALB/c Mice *W. Auttachoat; D. R. Germolec; M. J. Smith; T. L. Guo; M. J. Hooth; K. L. White*

Poster Board 708. Comparison of LLNA Responses between CBA and BALB/c Mouse Strains *T. Burns; J. Strickland; E. Salicru; D. Allen; W. Stokes*

12:10 PM-1:30 PM, *Ballroom F (Convention Center) Roundtable*

Melamine Contamination of Infant Formulas: Lessons Learned

12:30-12:45 PM **Dose-Response and Risk Assessment Considerations of Melamine in Infants** *Christopher Portier*

12:10 PM-1:30 PM, *Ballroom I (Convention Center)*

Translating Toxicology to Public Health Protection: Lessons Learned from Superfund

12:10 PM-1:30 PM **Translating Toxicology to Public Health Protection: Lessons Learned from Superfund** *M. La Merrill; C. Thompson*

12:10-12:25 PM **The NIEHS Superfund Research: Translating Basic Science to Human Health and Environmental Risk Assessment** *William Suk*

1:10-1:25 PM **Translating Innovations of the Superfund Research Program into the Future** *Linda Birnbaum*

1:25-1:30 PM **Panel Discussion/Q&A**

1:00 PM-4:30 PM, *Exhibit Hall*

Genetic Diversity and Response to Xenobiotics

Poster Board 232. Genetic Variation in Isogenic Strains of Female Mice Alters the Disposition after Acute Exposure to [14C] Benzene *R. Kuester; G. A. Knudsen; L. M. Jacobs; M. L. Cunningham; G. Sipes*

Poster Board 233. Genetic Variation in Isogenic Murine Strains Alters Levels of [14C]Benzene in Bone Marrow after Acute Exposure. *G. A. Knudsen; R. K. Kuester; M. L. Cunningham; A. C. Gallegos; I. G. Sipes*

1:00 PM-4:30 PM, *Exhibit Hall*

Reproductive Toxicology

Poster Board 322. Developmental Toxicity Evaluation of 3,3',4,4'-Tetrachloroazobenzene (TCAB) in Sprague-Dawley Rats *M. Mercado Feliciano; C. J. Price; M. C. Marr; C. B. Myers; M. K. Vallant; M. J. Hooth*

Poster Board 326. Decreased Reproductive Indices in h-NAG-1 (GDF-15) Mice Correlated to Alterations In Serum Leptin Levels *G. J. Moser; J. Kosak; M. A. Strecker; M. Ehinger; M. Brown; T. E. Eling*

Poster Board 339. Akt/FoXO1 Pathway, but not Estrogen Receptor alpha (ER α) or beta (ER β) Is Associated with Fenvalerate (Fen)-induced Proliferation of Human Uterine Leiomyoma (UtLM) Cells and Uterine Smooth Muscle Cells (UtSMC) *X. Gao; L. Yu; L. Castro; A. B. Moore; D. Dixon*

1:00 PM-4:30 PM, *Exhibit Hall*
Toxicity Testing-Alternative Models II

Poster Board 602. Analysis of the ToxCast 320 Pesticide Library using a *Caenorhabditis elegans* Growth Assay W. A. Boyd;
M. V. Smith; J. H. Freedman

1:40 PM-4:25 PM, *Room 151 (Convention Center)*
Alterations in Regulatory T Cells: Novel Pathways to Immunotoxicology

1:40-1:45 PM: **Alterations in Regulatory T Cells: Novel Pathways to Immunotoxicology** E. Corsini; *D. Germolec*

1:40 PM-4:25 PM, *Ballroom D (Convention Center)* Symposium Session
Phthalate Reproductive and Developmental Toxicity: Implications for Cumulative Risk Assessment
Chairpersons Susan Makris and Paul Foster

2:49-3:21 PM: **Effects of Mixtures of Phthalates and Other Toxicants on Sexual Differentiation in Rats: A Risk Framework Based upon Disruption of Common Developing Systems** L. E. Gray; *C. Rider; K. Howdeshell; A. Hotchkiss; J. Furr; C. Lambright; P. Foster; V. Wilson*

1:40 PM-4:25 PM, *Ballroom J (Convention Center)*
Animal Models in the 21st Century

4:06-4:25 PM: **Evaluating the Sensitivity of 6 Different F1 Hybrid Mice for Genetic Susceptibility to Ionizing Radiation.** S. J. Borghoff; *M. A. Streicker; J. Painter; J. E. French*

6:00 PM-7:30 PM, *Room 255-E (Convention Center)*
Nanotoxicology Specialty Section Meeting/Reception *Nigel J. Walker*

6:00 PM-7:30 PM, *Room 355-E (Convention Center)*
Risk Assessment Specialty Section Meeting/Reception
Translating Endocrine Disruptor Screening to Human Health Risk *William S. Stokes*

Tuesday, March 09, 2010

Time

Session Info

4:45 PM-6:00 PM, *Room 155-B (Convention Center)*
ToxExpo 2011 Exhibit Space Selection Meeting

9:00 AM-4:30 PM, *Room 254-A (Convention Center)*
NIH Resource Room (All Attendees Welcome)

12:00 PM-1:15 PM, *Room 255-B (Convention Center)*
NIH Brown Bag Lunch

6:00 PM-8:00 PM, *Room 355-E (Convention Center)*
Immunotoxicology Specialty Section Meeting/Reception 25th Anniversary Celebration

4:30 PM-6:00 PM, *Ballroom A (Convention Center)*
Annual Business Meeting of the Society of Toxicology (SOT Members Only; Full, Associates, Postdoctoral, and Student Members Invited)

9:00 AM-11:45 AM, *Ballroom A (Convention Center)*
MAP Kinase Signaling: A Common Target Eliciting Unique Tissue Responses

9:05-9:37 AM: **Gene Expression Studies Demonstrate that the K-ras/Erk MAP Kinase Signal Transduction Pathway Contributes to the Pathogenesis of Cumene-induced Lung Tumors** S. A. Lahousse; *H. Hong; J. Collins; T. Ton; T. Devereux; R. C. Sills*

9:00 AM-11:45 AM, *Ballroom I (Convention Center)*
POPs: What's New and Why Should We Care?

9:00-9:05 AM: **POPs: What's New and Why Should We Care?** A. Schecter; *L. Birnbaum*

9:05-9:32 AM: **Legacy and Emerging POPs** L. Birnbaum

9:59-10:26 AM: **POPs in the U.S. Population and in U.S. Food** A. Schecter; *J. Colacino; T. Harris; M. Opel; O. Paepke; K. Kannan; L. Birnbaum*

9:00 AM-11:45 AM, *Ballroom B (Convention Center) Workshop*
Research Advances and Enduring Needs in Children's Environmental Health Protection
Chairpersons Sally Darney and Allen Dearry

9:05-9:20 AM: **Federal Efforts to Address Children's Environmental Health** *A. Dearry*

9:00 AM-11:45 AM, *Ballroom G (Convention Center)*
Where Do I Go Now? Rational Career Development Planning for Early-Career Scientists

10:46-11:08 AM: **The NIH Pathways to Independence Award: A Transition to an Academic Career** *C. Shreffler*

9:00 AM-12:30 PM, *Exhibit Hall*
DNA Damage and Repair

Poster Board 125. Identifying Genotoxic Compounds using a Battery of Isogenic DNA Repair Deficient DT40 Cell Lines in a Quantitative High Throughput Screening (qHTS) Platform *K. Nakamura; S. Sakamuru; R. Huang; K. Witt; C. P. Austin; Y. Taniguchi; K. Kono; R. R. Tice; S. Takeda; M. Xia*

Poster Board 133. Assessing the DNA Damaging Potential of Chemicals via Activation of the p53 Pathway Using Quantitative High Throughput Screening (qHTS) *K. L. Witt; R. Huang; K. Shockley; C. P. Austin; M. Zheng; Y. Sun; R. R. Tice; M. Xia*

9:00 AM-12:30 PM, *Exhibit Hall*
Developmental Toxicology

Poster Board 427. Mammary Gland Development and Response to Prenatal Atrazine Exposure in the Sprague-Dawley and Long-Evans Rat. *C. J. Wolf; J. P. Stanko; S. E. Fenton*

Poster Board 435. Developmental Exposure of CD-1 Mice to PFOA Identifies the Mammary Gland as a Low Dose Target Tissue. *M. B. Macon; J. P. Stanko; S. E. Fenton*

Poster Board 436. Analytical Method Validation for Diisobutyl Phthalate in Rodent Feed in Support of Developmental and Reproductive Toxicology Studies. *J. C. Blake; R. A. Fernando; G. McNeill; J. A. Gilliam; D. B. Browning; B. J. Collins*

9:00 AM-12:30 PM, *Exhibit Hall*
Animal Models - Emerging Methods

Poster Board 642. ICCVAM Recommendations for the Routine Use of Topical Anesthetics, Systemic Analgesics, and Humane Endpoints to Refine Ocular Toxicity Testing *J. Merrill; M. Wind; D. Lowther; W. Chambers; T. McMahon; J. Chen; M. Hashim; M. Lewis; W. Stokes*

9:00 AM-12:30 PM, *Exhibit Hall*
Arsenic I

Poster Board 701. Altered Cobalamin and Folate Contribute to Aberrant Methyl Metabolism during Chronic Arsenic Exposure *J. Coppin; M. P. Waalkes*

Poster Board 721. Carcinogenicity of Whole Life Exposure to Inorganic Arsenic in Mice *M. P. Waalkes; E. J. Tokar; D. A. Delker; B. A. Diwan*

Poster Board 723. Arsenic Transformation/Adaptation Predisposes Human Skin Keratinocytes to Oxidative DNA Damage Yet Enhances their Survival *Y. Sun; C. Kojima; C. Chignell; R. Mason; M. P. Waalkes*

Poster Board 725. A Novel Nitric Oxide Donor, V-PROLI/NO, Protects Against Arsenic-induced Toxicity in Liver Cells *W. Qu; L. Cheng; A. L. Dill; J. E. Saavedra; L. K. Keefer; M. P. Waalkes*

Poster Board 727. Epigenetic Alterations in Fetal Mouse Livers After In Utero Exposure to Arsenic *Z. Drobna; M. Niculescu; R. Fry; I. Pogribny; M. Waalkes; S. Zeisel; M. Styblo*

12:00 PM-1:20 PM, *Ballroom D (Convention Center)*
Women's Health: Toxicology and Safety of Complementary and Alternative Medicine

WOMEN'S HEALTH: Toxicology and Safety of Complementary and Alternative Medicine *B. Mahadevan; D. Auyeung-Kim; J. Liu; M. Cline; B. Helferich*

WOMEN'S HEALTH: National Toxicology Program Activities Assessing the Safety of Dietary Supplements and Herbal Medicines *N. Walker*

12:00 PM-1:20 PM, *Ballroom F (Convention Center) Education-Career Development Session*
Science Communication in 2010: A New Decade in Toxicology and Need for Better Communication
Chairpersons Banalata Sen and Sneha Bhatia

12:00-12:04 PM, **Science Communication in 2010 – A New Decade in Toxicology and Need for Better Communication.** B. Sen;
S. Bhatia

12:04-12:23 PM **Science Writing** *Jane Schroeder*

12:42-1:01 PM **Communicating Hazard** *Linda Birnbaum*

1:01-1:20 PM **Communication as a Career** *Banalata Sen*

1:00 PM-4:30 PM, *Exhibit Hall*
Risk Assessment I: New Data and Derivations Across Chemicals from A to V

Poster Board 128. Carcinogenic Potency of 2,3',4,4',5-Pentachlorobiphenyl (PCB118) in Female Harlan Sprague-Dawley Rats.
N. J. Walker; M. Easterling; A. Nyska; G. E. Kissling; C. S. Smith; D. E. Malarkey; M. J. Hooth

1:00 PM-4:30 PM, *Exhibit Hall*
Genotoxicity

Poster Board 324. Micronucleus Frequencies and DNA Damage in Male Mice Administered Hydroxyurea. C. A. Hobbs; L. Recio; K. Shepard; C. Baldetti; A. Green; J. Winters; M. Streicker; K. L. Witt

Poster Board 335. Defining Experimental Parameters for a 4-Day Combined Micronucleus and Comet Genotoxicity Assay (MN/COMET) in Rodents: Optimal Sampling Time and Use of Freshly Prepared vs Frozen Tissues L. Recio; C. Hobbs; K. L. Witt

1:00 PM-4:30 PM, *Exhibit Hall*
Safety Concerns of Food and Natural Products

Poster Board 402. Gum Guggul Extract: Analytical Method Development and Validation B. Jayaram; C. S. Smith; O. L. Beverly; K. E. Schnare; A. K. Clay; P. J. Schebler; J. W. Algaier; R. K. Harris

Poster Board 434. Use of Human Genetic and Regional Diet Variation to Identify Genes, Cellular and Disease Processes Modulated by Diet of Populations: Possible Explanations for Differences in Current Observed Disease Susceptibilities R. Thomas; J. Gohlke; C. Portier; S. Mehrotra

1:00 PM-4:30 PM, *Exhibit Hall*
Safety Assessment: Commercial and Consumer Products

Poster Board 507. Preparation and Stability Testing of Butylparaben Formulations in Rodent Feed V. Godfrey; T. Cristy; S. Graves; C. Smith

1:00 PM-4:30 PM, *Exhibit Hall*
Ah Receptor Biology and Toxicology

Poster Board 527. AHR-mediated Gene Expression in the Developing Mouse Heart X. Chang; R. Thomas; J. Foley; F. M. Parham; C. J. Portier

Poster Board 535. The Aryl Hydrocarbon Receptor (AhR) Regulates Drug Transporters at the Blood-Brain Barrier (BBB) X. Wang; S. Destiny; D. S. Miller

1:00 PM-4:30 PM, *Exhibit Hall*
Biomarkers

Poster Board 826. Exposure to Naphthalene Induces Naphthyl-Keratin Adduct Formation in Human Epidermis In Vitro and In Vivo L. A. Nylander French; J. C. Kang-Sickel; V. P. Stober; J. E. French

Poster Board 828. Metabolomic Analysis of Urine from Resveratrol-Treated Male, Female, and Pregnant Wistar Han Rats S. C. Sumner; R. Snyder; T. Fennell; R. Fernando; B. J. Collins

1:30 PM-4:15 PM, *Ballroom A (Convention Center)*
Genetics: The Link Between Exposures, Gene x Environment Interaction, and Toxicity

1:30-1:35 PM: **Genetics – The Link Between Exposures, Gene x Environment Interaction, and Toxicity** J. E. French; D. W. Threadgill

1:35-2:15 PM: **The NTP Host Susceptibility Initiative: A New Strategy and Paradigm for Hazard Identification and Risk Characterization.** J. E. French

Wednesday, March 10, 2010

Time	Session Info
1:15 PM-2:15 PM, Room 251-D (Convention Center)	Featured Session: A Conversation with the EPA's Office of Research and Development Director: Paul Anastas
2:30 PM-3:30 PM, Room 251-D (Convention Center)	Featured Session: A Conversation with the NIEHS Director: Linda Birnbaum
3:45 PM-4:45 PM, Room 251-D (Convention Center)	Featured Session: A Conversation with the U.S. FDA National Center for Toxicological Research: William Slikker, Jr.
7:30 AM-8:50 AM, Ballroom F (Convention Center)	Informational Session Impact of Tungsten and Tungsten Alloys on Health Risk Chairpersons Palur G. Gunasekar and Michelle J. Hooth
7:30-7:35 AM:	Impact of Tungsten and Tungsten Alloys on Health Risk <i>P. G. Gunasekar; M. J. Hooth</i>
9:00 AM-11:45 AM, Room 250 (Convention Center)	The Fetal Basis of Adult Disease
9:32-9:59 AM:	Fetal Arsenic Exposure Enhances Skin Cancer in Adulthood with Contemporaneous Distortion of Tumor Stem Cell Dynamics <i>M. P. Waalkes</i>
9:00 AM-11:45 AM, Ballroom D (Convention Center)	Understanding Nonlinearities at the Low End of the Dose-Response Curve: Insights from Molecular Network Analysis
9:45-10:25 AM:	Low Dose Effects of Bisphenol A in Animal Studies <i>K. Thayer; J. Bucher</i>
9:00 AM-11:45 AM, Room 251-D (Convention Center)	Impact of Receptors and Gene Regulation in Toxicological Response
9:00-9:21 AM:	PK-1 and the AKT-1/2 Complex Regulate C. elegans Metallothionein Transcription in Response to Cadmium <i>J. Hall; J. H. Freedman</i>
9:00 AM-11:45 AM, Room 251-A (Convention Center)	Reproductive and Developmental Toxicity of Phthalates
9:00-9:19 AM:	Di(n)butyl Phthalate Reduces Testicular Weight, Testosterone and Associated Gene Expression in Fetal Harlan Sprague Dawley Rats. <i>K. L. Howdeshell; J. Furr; C. R. Lambright; V. S. Wilson; L. Gray</i>
9:00 AM-12:30 PM, Exhibit Hall	Inhalation Toxicology
	Poster Board 101. Bronchiolitis Obliterans-like Lesions in Rats Treated with Diacetyl, Acetoin, or Acetyl Propionyl by Intratracheal Instillation <i>G. P. Flake; P. J. Kirby; H. C. Price; P. S. Gage; F. L. Kelly; S. M. Palmer; J. F. Foley; D. L. Morgan</i>
	Poster Board 103. Inhalation Toxicity of Acetyl Propionyl in Rats and Mice <i>D. L. Morgan; P. J. Kirby; H. C. Price; R. W. Bousquet; G. J. Taylor; N. Gage; G. P. Flake</i>
9:00 AM-12:30 PM, Exhibit Hall	Immunotoxicology: Mechanisms
	Poster Board 231. In Vitro Evaluation of the Immunotoxic Potential of Perfluorinated Compounds (PFCs) <i>E. Corsini; A. Avogadro; L. Lucchi; M. Marinovich; C. L. Galli; D. R. Germolec</i>
9:00 AM-12:30 PM, Exhibit Hall	Studies in Pharmacokinetics and Disposition
	Poster Board 302. Toxicokinetic Differences between Two Major HBCD Stereoisomers: Effect of Dose, Time, Repeated Exposure, and Route <i>D. T. Szabo; J. J. Diliberto; H. Hakk; J. K. Huwe; L. S. Birnbaum</i>
	Poster Board 305. Disposition and Metabolism of 2-Hydroxy-4-methoxybenzophenone in Male Sprague-Dawley Rats <i>M. Doyle-Eisele; Z. Gao; D. Kramer; L. Thomas; D. Kracko; K. J. Dix; S. S. Auerbach; J. M. Sanders; J. M. McDonald</i>
	Poster Board 306. Disposition of the Brominated Flame Retardant HBCD Alpha and Gamma in Developing Mice over Time <i>J. Diliberto; D. T. Szabo; J. Huwe; L. S. Birnbaum</i>
	Poster Board 308. Toxicokinetics of Resveratrol in Male, Female, Pregnant, and Lactating Wistar Han Rats. <i>T. Fennell; N. L. Gaudette; B. L. Fletcher; S. D. Cooper; M. Silinski; J. Blake; F. Thomas; R. Fernando; B. J. Collins</i>

Poster Board 310. Toxicokinetics of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) using Male Sprague Dawley Rats and Automated Dosing/Sample Collection Instruments (EMPIS/CULEX) S. Gibbs; V. Godfrey; S. Hong; J. D. Johnson; B. L. Burback; S. W. Graves; C. Smith

Poster Board 316. Characterization of the Transport and Inhibitory Effects of N-Butylpyridinium Chloride and Its Structurally Related Ionic Liquids to rOCT1/2 Y. Cheng; S. Wright; R. Kuester; M. Hooth; I. Sipes

Poster Board 319. Analytical Method Validation of n-Butyl Glycidyl Ether in Corn Oil J. W. Algaier; D. M. Logan; V. F. Ault; O. L. Beverly; A. Kazerooni; B. M. O'Brien; P. J. Schebler; R. K. Harris; B. Jayaram; C. S. Smith

Poster Board 320. Analytical Method Validation for the Quantitation of Six Nitrosamines in NTP-2000 Rodent Feed P. J. Schebler; A. D. Ammenhauser; J. L. Cookinham; J. W. Algaier; R. K. Harris; B. Jayaram; C. S. Smith

Poster Board 321. Analytical Method Validation of tris(2-Chloroisopropyl)phosphate in Aqueous 0.5% Methylcellulose Formulation R. K. Harris; V. F. Ault; A. D. Ammenhauser; J. L. Cookinham; B. M. O'Brien; P. J. Schebler; J. W. Algaier; B. Jayaram; C. S. Smith

9:00 AM-12:30 PM, *Exhibit Hall*
Stem Cell Toxicology

Poster Board 526. Inorganic Arsenic Exposure Induces a Cancer Phenotype in Kidney Stem/Progenitor Cells In Vitro E. J. Tokar; A. O. Perantoni; M. P. Waalkes

12:00 PM-1:20 PM, *Ballroom F (Convention Center) Informational Session*
The Tox21st Community and the Future of Toxicology Testing
Chairpersons Raymond R. Tice and Robert J. Kavlock

12:00-12:05 PM: **The Tox21st Community and the Future of Toxicology Testing** R. Tice; R. Kavlock; C. Smith; M. Xia; R. Judson; L. Birnbaum

12:05-12:20 PM: **Cynthia Smith** *The Tox21 Compound Library – Setting the Stage for High-Throughput Testing*

12:50-1:05 PM: **Linda Birnbaum** *The Tox21 Initiative and the Future of Toxicology*

1:05-1:20 PM: **Panel Discussion/Q&A**

1:00 PM-4:30 PM, *Exhibit Hall*
Regulations and Policy in Toxicology

Poster Board 233. ICCVAM Recommendations for Use of the LLNA for Evaluating the Allergic Contact Dermatitis Potential of Pesticide Formulations J. Matheson; A. Jacobs; M. Wind; J. Chen; M. Hashim; M. Lewis; E. Margosches; D. McCall; T. McMahon; J. Redden; R. Ward; W. Stokes

Poster Board 302. Impact of Reducing the Sample Size on the Performance of the LLNA E. Salicru; J. Haseman; M. Paris; J. Strickland; D. Allen; W. Stokes

Poster Board 303. Using the Murine Local Lymph Node Assay to Categorize Strong Skin Sensitizers J. Strickland; J. Matheson; M. Wind; A. Jacobs; F. Stack; D. Allen; W. Stokes

Poster Board 304. Implementation of the NICEATM-ICCVAM Five-Year Plan: Advancing the Development, Validation, Acceptance, and Appropriate Use of Alternative Test Methods S. Fitzpatrick; M. Wind; A. Jacobs; D. Hattan; J. Kulpa-Eddy; V. Malshet; M. Mumtaz; M. Snyder; D. McCarley; S. Morefield; C. Sprankle; D. Allen; W. Stokes

Poster Board 307. Establishment of the International Cooperation on Alternative Test Methods (ICATM) and Its Role in the Validation and Regulatory Acceptance of Globally Harmonized Safety Assessment Methods W. Stokes; M. Wind; D. Blakey; J. Kreysa; H. Kojima; E. Anklam

1:00 PM-4:30 PM, *Exhibit Hall*
Metals I

Poster Board 315. Transcriptional Activation of MTF-1: The Role of PKC and CK2 Consensus Sites on Metal-inducible Activity M. Song; J. H. Freedman

Poster Board 318. Two PKC Consensus Sites in MTF-1 Regulate its Transcriptional Activity E. K. Braithwaite; A. Treece; M. Song; J. H. Freedman

Poster Board 320. Low-level Cadmium Exposures Do Not Alter Intracellular Calcium Levels B. Tvermoes; G. S. Bird; J. H. Freedman

Poster Board 335. Toxicogenomic Responses to Inorganic and Methyl Mercury and Identification of Mercurial Resistance Genes in *Caenorhabditis elegans* M. K. McElwee; J. W. Chou; J. H. Freedman

1:00 PM-4:30 PM, Exhibit Hall

Risk Assessment II: Methodological Challenges and Metals

Poster Board 537. Major Challenges to Biologically-Based Dose-Response Modeling for Estimating Low-Dose Human Risk Using Molecular Toxicology Data [R. P. Subramaniam](#); K. S. Crump; C. Chen; W. A. Chiu; T. A. Louis; C. J. Portier

1:00 PM-4:30 PM, Exhibit Hall

Models and Mechanisms of Hepatotoxicity

Poster Board 634. Toxicogenomic Study of Microcystin-LR in Wistar Han Rats [L. Fomby](#); C. Sabourin; N. Machesky; J. Price; M. Kasoji; M. Wendling; D. Bornman; M. Hejtmancik; S. Auerbach; M. Hooth; M. Vallant; N. J. Walker

4:30 PM-5:50 PM, Ballroom D (Convention Center)

Seeking Funding for Undergraduate Research

Chairpersons Joan Tarloff and Vanessa Fitsanakis

4:35-4:52 PM **Academic Research Enhancement Awards (AREA) Through NIH** *Michael Humble*

Thursday, March 11, 2010

Time

Session Info

8:30 AM-12:00 PM, Ballroom E (Convention Center)

Endocrine Toxicology

Poster Board 102. Effects of Hepatic Enzyme Inducers on Thyroxine(T₄) Catabolism in Primary Rat Hepatocytes [V. M. Richardson](#); M. J. DeVito

Poster Board 118. Genistein Modulation of Blood Glucose Levels in Diabetic Male Mouse Models [T. L. Guo](#); J. F. Zheng; D. R. Germolec; K. L. White, Jr.

Poster Board 121. Triclosan Disrupts Thyroxine: Contribution of Hepatic Transport to the Mode of Action [K. B. Paul](#); J. M. Hedge; M. J. DeVito; K. R. Brouwer; K. M. Crofton