



**Society of Toxicology Annual Meeting**  
**NTP Presentations**  
 March 6-10, 2005



Time	Room	Presenter	Title	Abstract ID
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**MARCH 6** \* (Morning 11:00-12:00)

*	Continuing Education			
	Class	Germolec, Dori	Autoimmunity and Autoimmune Diseases: Continuing Education Course: Immunology for Toxicologists	AM05

**MARCH 7**

Morning 9:30am - 12:30pm	Poster Session				
	Exhibit Hall	Benbrahim-Tallaa, Lamia	The Role of the <i>ras</i> Signaling Pathway in Androgen-Independence Acquired During Arsenic-Induced Malignant Transformation of Human Prostate Epithelial Cells		141
		Burback, Brian	Biological Sample Analysis Methods Development and Validation for a Toxicokinetic Study of Bis(2-Chlorethoxy)Methane.		194
		Padilla-Banks, Elizabeth	Children's Health and Juvenile Animal Toxicology		260
		Sanders, J.M	Differential Gene Expression in F344 Rats Following Exposure to Either Polybrominated Diphenyl Ethers (PBDEs) or PCBs.		116
		Xie, Yaxiong	Arsenic and Uranium Toxicology		138
Symposium/Presentation					
220-222	Walker, Nigel	Testing the Toxic Equivalency Factor (TEF) Hypothesis: The NTP Dioxin/PCB Cancer Bioassays		33	
Afternoon 1:30 - 4:30pm	Poster Session				
	Exhibit Hall	Betz, L.	The Relationship of Treatment-Related Decreases in Serum Alkaline Phosphatase Activity with Alterations in Body Weight for Rats in 13-Week Toxicity Studies		539
		Graves, Steven	Purity Analyses for Toxicology Studies – A Case Study with Anthraquinone		391
		Harvey, E.	Influence of Diet on endpoints Typically Used in 13-Week Toxicity Studies for Rodents		518
		Parran, Damani	Effects of Thimerosal on NGF Signal Transduction and Cell Death in Neuroblastoma Cells		626
		Strickland, Judy	Evaluation of a Solubility Protocol for <i>In Vitro</i> Cytotoxicity Testing		484
	Symposium/Presentation				
	R03	Ghanayem, Burhan	Role of CYP2E1 in the Oxidation of Acrylamide (AA) to Glycidamide (GA) and Formation of DNA and Hemoglobin Adducts		361
	R01	Gohlke, Julia	Computational Models for the Acquisition of Neocortical Neurons in the Developing Human, Monkey, and Mouse: Cross Species Comparison of Toxicodynamics		346
R02	Patterson, Rachel	Gene Expression Alterations in Immune System Pathways Following Exposure to Immunosuppressive Chemicals		362	

**MARCH 8**

Morning 9:30am - 12:30pm	Poster Session				
	Exhibit Hall	Easterling, Michael	A PBPK Model for a Mixture of Dioxin-like Chemicals		852
		Kim, Dojung	Role of Cytochrome P-450 2E1 (CYP2E1) in Trichloroethylene (TCE) Metabolism and Disposition: Comparative Studies Using CYPE1-/- and Wild Type Mice.		728
		Lewis, Danielle	2-Butoxyethanol Female Rat Model of Hemolysis and Disseminated Thrombosis: X-ray Characterization of Osteonecrosis and Growth Plate Suppression		844
		Nyska, Abraham	Acute Hemorrhagic Myocardial Necrosis and Sudden Death of Rats Exposed to a Combination of Ephedrine and Caffeine		829
		Ortel, Tomas	Adhesion-molecule Changes in 2-Butoxyethanol (BE) Fisher F344 Rat Model for Thrombotic Sequelae of Hemolytic Anemias		843
		Trivedi, Sheetal	Effect of Topical Iodine Treatment on Early Sulfur-mustard-induced Cutaneous Changes and Epidermal-cell Proliferation		779
	Symposium/Presentation				
	215	Eastin, Skip	Searching the NTP Databases		---
	220-222	French, John E.	Signaling Pathways for DNA Damage and Repair, Apoptosis and Lymphoid Progenitor Cell Survival are Dysregulated by N-acetyl-L-cysteine		704
R03	Stokes, William	Current Status and Future Considerations for the Development and Validation of <i>In Vitro</i> Alternatives to the Draize Rabbit Eye Test		660-663	
R03	Hartung, Thomas	Current Status and Future Considerations for the Development of <i>In Vitro</i> Alternatives to the Draize Rabbit Eye Test for Assessing Ocular Irritants		660	

	R03	Stokes, William	Current Status and Future Considerations for Alternative Methods to Refine, Reduce, and Replace Animal Use for Ocular Safety Testing	661
	R03	Haseman, Joe	The Performance Characteristics of the <i>In Vitro</i> Rabbit Eye Test	662
	R03	Choksi, Neepa	Performance of BCOP, IRE, ICE and HET-CAM in Detecting Substances that Induce Severe Irritation and Irreversible Ocular Damage	663
Afternoon 1:30 - 4:30pm	Poster Session			
	Exhibit Hall	Behar, Vered	Analysis of Myelin Loss Using Scanning Electron Microscopy (SEM) under Fully Hydrated Conditions: Validation in a Mouse Model of Experimental Autoimmune Encephalitis	1107
		Castro, Lysandra	Stimulatory and Inhibitory Effects of Genistein on Uterine Leiomyoma Cell Growth <i>In Vitro</i> is Determined by Dose	1114
		Collins, Brad	Transplacental Toxicokinetics of 3'-Azido-3'-deoxythymidine (AZT) in Mice	1252
		Hong, Seongwon	Initial Skin Penetration Study for Determining bis-(2-chloroethoxy)methane (CEM) Toxicokinetics After A Single Dermal Application in Rodents	1233
		Lebetkin, Edward	Disposition of 2,2',4,4',5,5'-hexabromodiphenyl ether in F344 rats and B6C3F1 mice	1230
		Merrill, John	Rodent Plasma and Tissue Concentration Time Course Data for bis-(2-chloroethoxy)methane: A Preliminary IV Study	1234
	Smith, Marjo	Using Observed Variability as a Criterion for Cellular Kinetics Models after Furan Exposure	1302	
6:00 pm	Special Session: <i>The Great Debate</i>			
	229	Portier, Christopher	The 2-yr. Rodent Carcinogenesis Bioassay: Relevant or Relic?	---
<b>MARCH 9</b>				
Morning 9:30am - 12:30pm	Poster Session			
	Exhibit Hall	Paris, Michael	Protocol Optimization for the Evaluation of <i>In Vitro</i> Cytotoxicity Assays for Estimating Rodent and Human Acute Systemic Toxicity	1628
		Yoshizawa, Katsuhiko	Gingival Carcinogenicity in Female Harlan Sprague-Dawley Rats after Oral Treatment for 2-years with 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin and Dioxin-like Compounds	1506
	Symposium/Presentation			
	R03	Stokes, William	Toxicological Research and Testing: Best Practices and Opportunities for Laboratory Animal Refinement, Reduction and Replacement	1351-52
	R03	Lasley, S.	Toxicological Research and Testing: Best Practices and Opportunities for Laboratory Animal Refinement, Reduction and Replacement	1351
	R03	Stokes, William	Best Practices for Using Humane Endpoints and Tiered Testing Strategies to Refine, Reduce and Replace Animal Use in Toxicological Research and Testing	1352
R01	Jefferson, Wendy	Female and Male Reproductive Systems	1370	
R06-7	Sone, Hideko	Comparative Analysis of Gene Networks at Multiple Doses and Time Points in Livers of Rats Exposed to Acetaminophen	1376	
Noon	R0-1	<b>Meet the Directors</b>	Drs. K. Olden, D. Casciano (NCTR), C. Portier, W. Farland (EPA), and D. Schwartz	--
	R08-9	Walker, Nigel	Roundtable: Conducting a Comprehensive Toxicological and Safety Evaluation of Nanomaterials: Current Challenges and Data Needs	--
Afternoon 1:30 - 4:30pm	Poster Session			
	Exhibit Hall	Doi, Adrianna	$\alpha$ 2v-Globulin and Renal Tumors in National Toxicology Program (NTP) Studies	1800
		Dunnick, June	Studies to Identify Gene Changes in the Heart during Recovery from Heart Toxicity Induced by bis(2-chloroethoxy)methane	1826
		Hoffler, Undi	Cytochrome P4502E1 (CYP2E1) Mediated Metabolism is Prerequisite for the Pathogenesis of Urethane-Induced Genotoxicity and Carcinogenicity	1794
		Marsh, Tiwanda	Immunohistochemical Analysis of Exocrine Pancreatic Toxicity Induced by 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin in Female Harlan Sprague-Dawley Rats	1821
Symposium/Presentation				
		Kadiiska, Maria	Biomarkers of Oxidative Stress: New Prospects and Approaches	
<b>MARCH 10</b>				
Morning 8:30 - 11:30am	Poster Session			
	Exhibit Hall	Allen, David	Validation Status of the Isolated Chicken Eye (ICE) Test Method	2007
		Choksi, Neepa	Validation Status of the Hen's Egg Test-Chorioallantoic Membrane (HET-CAM) Test Method	1997
		Inhof, Christina	Validation Status of the Bovine Corneal Opacity and Permeability (BCOP) Test Method	2005
		Schebler, Peter	Analytical Method Validation for Quantitation of 1,2,3,4,5,7-hexachloronaphthalene from Rat Adipose Tissue	2069
		Truax, Jim	Validation Status of the Isolated Rabbit Eye (IRE) Test Method	2008
	Ball-rooms A&B	Hejtmancik, Milton	Comparative 14-week Toxicity Studies of 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin (TCDD) in Female Harlan Sprague-Dawley (HSD) and Fischer 344 (F344) Rats	2035
Hooth, Michelle		14-week Comparative Study of 1,2,3,4,6,7-Hexachloronaphthalene (PCN 66) and 1,2,3,5,6,7-Hexachloronaphthalene (PCN 67) in Female Harlan Sprague-Dawley (HSD) and Fischer 344 (F344) rats	2070	