

# Risk Assessment Specialty Section Best Abstract Awards - SOT 2012

## Best Overall Abstract

Title & Authors	Author Affiliations	Abstract ID	Date, Time, & Location	Session Title
<b>Pharmacokinetics-enabled reverse dosimetry improves the accuracy of bisphenol a (BPA) exposure assessment</b> H. Shankaran; J. G. Teeguarden	Pacific Northwest National Laboratory; Pacific Northwest National Laboratory	851	<b>Monday, March 12</b> 2:00 PM Convention Center 301	Exposure Assessment: Biological and Probabilistic Approaches to Monitoring, Modeling, and Predictions

## Top 10 Abstracts by date of presentation (more than ten, due to a tie)

Title & Authors	Author Affiliations	Abstract ID	Date, Time, & Location	Session Title
<b>Comparative Exposure Assessment: Use of PBPK Modeling for the Essential Element Manganese</b> R. Gentry; A. Santamaria; S. Sulsky; A. Shipp; C. Van Landingham; W. Fuller; K. Fast; M. Taylor; J. Roper	ENVIRON International Corporation; Afton Chemical Corporation	62	<b>Monday, March 12</b> 9:57 AM Convention Center 310	Biological Modeling: Addressing Disease States, Defining Age Differences, and Evaluating Uncertainty
<b>Development of a human gestation physiologically-based pharmacokinetic(PBPK) model for coexposure of polychlorinated biphenyls(PCBs)</b> M. Ray; P. Ruiz; S. Li; M. Mumtaz; J. Fisher	CDC ATSDR; Medical College of Georgia; University of South Carolina; US FDA	64	<b>Monday, March 12</b> 10:39 AM Convention Center 310	Biological Modeling: Addressing Disease States, Defining Age Differences, and Evaluating Uncertainty
<b>Assessment of Genotoxic Potential of Cr(VI) in the Mouse Duodenum via Toxicogenomic Profiling</b> C. M. Thompson; J. G. Hixon; A. K. Kopec; M. A. Harris; D. M. Proctor; L. C. Haws	ToxStrategies, Inc.; Michigan State University	94 Poster Board 103	<b>Monday, March 12</b> 9:30 AM - 12:30 PM Exhibit Hall	Risk Assessment: Case-specific Characterizations
<b>Mode of Action for Intestinal Carcinogenesis of Ingested Hexavalent Chromium in Mice</b> D. Proctor; C. M. Thompson; M. Suh; L. C. Haws; M. A. Harris	ToxStrategies, Inc.	96 Poster Board 105	<b>Monday, March 12</b> 9:30 AM - 12:30 PM Exhibit Hall	Risk Assessment: Case-specific Characterizations
<b>Using Transcriptomic Data in the Risk Assessment Paradigm</b> R. S. Thomas	The Hamner Institutes for Health Sciences	833	<b>Monday, March 12</b> 3:09 PM Convention Center 309	Concepts Critical to the Next Generation of Human Health and Ecological Risk Assessment
<b>Bioavailability of polycyclic aromatic hydrocarbons after repeated exposure and from different soil concentrations using the juvenile swine model</b> R. E. Peters; S. D. Siciliano; M. Wickstrom	University of Saskatchewan	857	<b>Monday, March 12</b> 3:51 PM Convention Center 309	Concepts Critical to the Next Generation of Human Health and Ecological Risk Assessment
<b>Use of PBPK models to evaluate associations in epidemiologic studies of reproductive outcomes with PFOA and PFOS concentrations</b> A. E. Loccisano; M. P. Longnecker; J. L. Campbell; J. L. Butenhoff; M. E. Andersen; H. J. Clewell	The Hamner Institutes for Health Sciences; NIEHS, NIH; 3M Medical Department, Corporate Toxicology	450 Poster Board 118	<b>Monday, March 12</b> 1:00 PM - 4:30 PM Exhibit Hall	Biological Modeling: Predictive PBPK Dosimetry Structures and Pharmacokinetic Data
<b>Application of Machine Learning in the Development of a Weighting Framework for Evaluating Estimates of Relative Potency For Dioxin-Like Compounds</b> D. S. Wikoff; M. J. DeVito; N. J. Walker; J. G. Hixon; M. A. Harris; J. A. Tachovsky; L. S. Birnbaum; L. C. Haws	ToxStrategies, Inc.; EPA; NCI	1725	<b>Tuesday, March 13</b> 1:30 PM Convention Center 310	Risk Assessment Approaches: Data-Derived Extrapolations, QSAR, In Silico Strategies, and Surrogates
<b>A Genomics-Based Benchmark Dose Analyses of Relative Potencies of Dioxin Like Compounds in Primary Rat Hepatocytes</b> J. Urban; J. C. Rowlands; R. A. Budinsky; A. Dombkowski ; C. M. Thompson; R. S. Thomas	ToxStrategies; The Dow Chemical Company; Wayne State University; ToxStrategies; The Hamner Institutes for Health Sciences	1726	<b>Tuesday, March 13</b> 1:49 PM Convention Center 310	Risk Assessment Approaches: Data-Derived Extrapolations, QSAR, In Silico Strategies, and Surrogate
<b>A QSAR-PBPK modeling approach for conducting animal-to-human extrapolation of inhalation pharmacokinetics of VOCs</b> T. Peyret; K. Krishnan	Université de Montréal	1729	<b>Tuesday, March 13</b> 2:45 PM Convention Center 310	Risk Assessment Approaches: Data-Derived Extrapolations, QSAR, In Silico Strategies, and Surrogate
<b>PBPK/PD Modeling of Key Events in a Toxicity Pathway— Implications for Determining Population Thresholds</b> D. R. Juberg; P. Price	Dow AgroSciences; The Dow Chemical Company	2649	<b>Wednesday, March 14</b> 2:45 PM Convention Center 310	Risk Analysis: New Derivations and Updated Debates
<b>Endogenous DNA Damage: Considerations for Dose-Response and Risk Assessment</b> L. H. Pottenger; J. A. Swenberg; J. S. Bus	The Dow Chemical Company; University of North Carolina at Chapel Hill	2652	<b>Wednesday, March 14</b> 3:39 PM Convention Center 310	Risk Analysis: New Derivations and Updated Debates