

2020 RASS Student/Postdoc Award Winners

John Doull Award

Sarah Burnett, Advisor: Ivan Rusyn

Texas A&M University, College Station, TX

An *in vitro* Human Population Model for Screening Environmental Chemicals for the Cardiotoxicity Hazard.

Perry J. Gehring Best Postdoctoral Fellow Abstract Award

Colette Miller, Advisor: Urmila Kodavanti

Oak Ridge Institute for Science and Education, Research Triangle Park, NC

Ozone Exposure during Implantation Impairs Offspring Metabolic Processes in a Sex-Specific Manner in Rats.

Perry J. Gehring Best Graduate Student Abstract Award

Durgesh K. Dwivedi, Advisor: G. Jena

National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, Mohali, India

The Intervention of NLRP3 Inhibitor and Nrf2 Activator Protects against Diethyl Nitrosamine and Thioacetamide-Induced Hepatic Precarcinogenesis in Rats.

Robert J. Rubin Student Travel Award

Alexa Murray, Advisor: Debra Laskin.

The State University of New Jersey, Piscataway, NJ

Farnesoid X Receptor Regulates Macrophage Activation in Nitrogen Mustard-Induced Lung Injury in a Sex Dependent Manner.

Andersen Clewell Trainee Award

Qiran Chen, Advisor: Kan Shao

Indiana University, Bloomington, IN

A Novel Dose-Response Framework with Quantitatively Integrated MOA Information.

2019 Best Abstract Award Winners

Best Abstract

Human Health Risk Assessment for Pulegone, a Carcinogenic Flavor Chemical in Mint- and Menthol-Flavored Electronic Cigarette Liquids and Smokeless Tobacco Products.

S. V. Jabba and S. Jordt

Duke University, Durham, NC

Top 10 Abstracts

Toxicological Risk Assessment to the Typical Constituents of E-cigarettes in China.

J. Guo, P. Shang, H. Wang, H. Liu, and S. Liu.

Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China.

Estimating Acceptable Exposure Levels for Polybrominated Diphenyl Ether (PBDE) Based on In Vitro Models of Human Neurodevelopment and Biological Modeling.

S. Bloch¹, C. Chandrasekera², N. I. Kramer³, M. Bouchard¹, and M. Verner¹.

¹ Université de Montréal, Montreal, QC, Canada; ² Canadian Centre for Alternatives to Animal Methods, Windsor, ON, Canada; and ³ Institute for Risk Assessment Sciences, Utrecht, Netherlands.

Physiologically Based Pharmacokinetic Modeling to Identify Upper Bound No Effect Thresholds for Human Tracheal Sensory Irritation.

B. Kerger¹, and A. E. Loccisano².

¹ Exponent, Irvine, CA; and ² Exponent, Alexandria, VA.

Establishing a Tolerable Intake for Dimethyl 4-Toluidine through Use of Benchmark Dose Modeling.

M. Boylan, B. Wang, and M. H. Whittaker.

ToxServices LLC, Washington, DC.

Glyphosate Risk Assessment to Assess Proposition 65 Requirements for Pesticide Applicators and Construction Workers: Risk Communication Case Study.

A. Holbrow Verwiël¹, D. Proctor², and M. Suh².

¹ ToxStrategies Inc., San Rafael, CA; and ² ToxStrategies Inc., Mission Viejo, CA.

Derivation of No-Significant-Risk-Levels (NSRLs) for 4-Vinylcyclohexene and 4-Vinylcyclohexene Diepoxide.

Z. Guerrette, J. Ator, B. Reid, and M. H. Whittaker.

ToxServices LLC, Washington, DC.

Risk Assessment of the Drinking Water Treatment Chemical 2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC).

M. G. LaFramboise, and K. A. Magurany.

NSF International, Ann Arbor, MI.

Risk Assessment of 1,1,1-Trifluoroethane (HFA-143a) as a Potential Impurity in HFA-134a in Metered Dose Inhaler Products.

R. Chang, I. Mohar, and T. Lewandowski.

Gradient, Seattle, WA.

Development of a Maximum Allowable Dose Level for Perfluorooctanoic Acid and Comparison of Exposures from Consumer Products, Drinking Water, and Natural Food Sources.

K. M. Scaife, S. Pham, S. West, J. M. Cybulskie, and L. A. Haighton.

Intertek Group plc, Mississauga, ON, Canada.

Quantitative Analysis of Aristolochic Acid-Induced Genotoxicity in Rats.

N. Mei, X. Li, X. Guo, and T. Chen.

US FDA/NCTR, Jefferson, AR.

RASS 2019 Best Published Paper Award Winners

RASS 2019 Best Published Paper Advancing the Science of Risk Assessment Award

Tohon, H; Valcke, M; Haddad, S. **An assessment of the impact of multi-route co-exposures on human variability in toxicokinetics: A case study with binary and quaternary mixtures of volatile drinking water contaminants.** J Appl Toxicol. 2019: 39(7): 974-991.

RASS 2019 Best Published Paper Demonstrating an Application of Risk Assessment Award

Gannon, AM; Moreau, M; Farmahin, R; Thomas, RS; Barton-Maclaren, TS; Nong, A; Curran, I; Yauk, CL. **Hexabromocyclododecane (HBCD): A case study applying tiered testing for human health risk assessment.** Food Chem Toxicol. 2019: 131: 110581.