2023 Perry J. Gehring Award (2 awardees)

Xue Wu
PhD Student at University of Florida
Poster #4325 (P190), author will attend on Wednesday, March 22, 09:00am - 10:45pm
Development of a Physiologically Based Pharmacokinetic PBPK Model for Flunixin in Cattle and Swine following Dermal Exposure.

Pavani Gonnabathula
Postdoctoral Research Fellow at US FDA/NCTR
Poster #4324 (P189), author will attend on Wednesday, March 22, 09:00am - 10:45pm
Development and Application of a Paaviod Model for Modeling-Based Dose Recommendations in the Pediatric Population.

2023 Best Trainee Abstract Award
(in honor of Charles Eric Hack)

Susana Proença
Postdoc at Wageningen University and Research, Netherlands
Poster #4131 (P629), author will attend on Tuesday, March 21, 02:30pm - 04:15pm
A Mechanistic and Probabilistic PBPK Model for Amiodarone for Quantitative Risk Assessment in Vitro to In Vivo Extrapolation.

2023 Andersen-Clewell Trainee Award
(shared with the Risk Assessment Specialty Section Fund)

Elise Hickman
Postdoctoral Research Fellow at University of North Carolina at Chapel Hill
Poster #3830 (P320), author will attend on Tuesday, March 21, 02:30pm - 04:15pm
Interindividual Variability Assessments through Benchmark Dose-Response Modeling of Primary Human Bronchial Epithelial-Fibroblast Co-culture Responses to Acrolein.

2023 Biological Modeling Best Paper Award

Kapraun, D. F.; Zur Linden, T. J.; Verner, M. A.; Chiang, C.; Dzierlenga, M. W.; Carlson, L. M.; Schlosser, P. M.; Lehmann, G. M.
A Generic Pharmacokinetic Model for Quantifying Mother-to-Offspring Transfer of Lipophilic Persistent Environmental Chemicals.

Honorable Mention (2 articles)


Biological Models in Toxicology:
Quantitative descriptions of physiological processes and/or xenobiotic fate within an organism, including internal dose estimates as well as molecular mechanisms leading to changes in toxicokinetics and toxicodynamic responses of one or more xenobiotics.

Biological models help to bridge the gap between observed chemical effects in laboratory experiments and those observed at the population level, thereby allowing more accurate predictions of effects and better risk assessments related to the environmental/occupational exposure of drugs and contaminants.

Meet Us!
At the BMSS Reception
Meet with other BMSS members and award winners! Tuesday, March 21 2023 at 6:00-7:30pm, at Broadway Ballroom A, Omni Nashville Hotel.

For questions, please send an email to sotbmss@gmail.com