BIOLOGICAL MODELING SPECIALTY SECTION RECEPTION & WEBINAR

INVITED SPEAKER

*SIR MODELING OF COVID-19 TRANSMISSION*

BENJAMIN LOPMAN, PHD
DEPARTMENT OF EPIDEMIOLOGY,
ROLLINS SCHOOL OF PUBLIC HEALTH,
EMORY UNIVERSITY
AGENDA

PART 1 - BMSS business briefing

PART 2 - WEBINAR:

SIR Modeling of COVID-19 Transmission by Dr Benjamin Lopman
2020 Perry J. Gehring Award for Biological Modeling

**Dr. Zhenzhen Shi**, Postdoctoral Fellow at Emory University, mentored by Dr. Qiang Zhang. “Development of a Virtual Population Model of Thyroid Hormone Regulation for Safety Assessment of Endocrine Disrupting Chemicals”.

**Honesty Tohon**, Graduate Student at University of Montreal, mentored by Dr. Sami Haddad. “Estimation of toluene exposure in air from BMA (S-benzylmercapturic acid) urinary measures using a reverse dosimetry approach based on physiologically based pharmacokinetic modeling”.
AWARDS

2020 Andersen-Clewell Trainee Award with RASS/Endowment

Qiran Chen, Graduate Student at Indiana University, mentored by Dr. Kan Shao. “A Novel Dose-Response Framework with Quantitatively Integrated MOA Information”.

2020 BMSS Best Trainee Abstract Award

Kazi Tasneem, Graduate Student at Vanderbilt University. “Toxicokinetic Model Predicts Cellular Exposure in Organ-on-Chip Microdevices”.
**AWARDS**

**2019 Biological Modeling Best Paper**

**Wei-Chun Chou and Zhoumeng Lin.** Bayesian evaluation of a physiologically based pharmacokinetic (PBPK) model for perfluorooctane sulfonate (PFOS) to characterize the interspecies uncertainty between mice, rats, monkeys, and humans: Development and performance verification. Environ Int. 2019.

**Serena Manganelli, Alessandra Roncaglioni, Kamel Mansouri, Richard S Judson, Emilio Benfenati, Alberto Manganaro, Patricia Ruiz.** Development, validation and integration of in silico models to identify androgen active chemicals. Chemosphere. 2019
2019 Biological Modeling Best Paper

Honorable mentions:


TREASURY REPORT

Looking good! 👍   👍

2019 – 2020:  + $2 K year-end
2020 – 2021:  + $6 K starting
THANK YOU

Outgoing Officers:

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Future prize winners for BMSS Reception Quizzes needs a name!

Details can be found in the newsletter
SESSION PROPOSALS

Submit before May 30th, 2020 for review by BMSS
Email to BMSSreviews@gmail.com or Andy (andy.nong@canada.ca)

DEADLINE for submission to SOT is June 12, 2020
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SIR MODELING OF COVID-19 TRANSMISSION

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