



62nd Annual Meeting
& ToxExpo • Nashville, TN
March 19–23, 2023



SOT | Society of Toxicology
Creating a Safer and Healthier World by Advancing the Science and Increasing the Impact of Toxicology

OPHSS at a Glance

Mission Statement

To advance the integration of exposure, toxicological and epidemiological principles and research approaches in addressing occupational, environmentally-related and public health issues.

Goals and Objectives

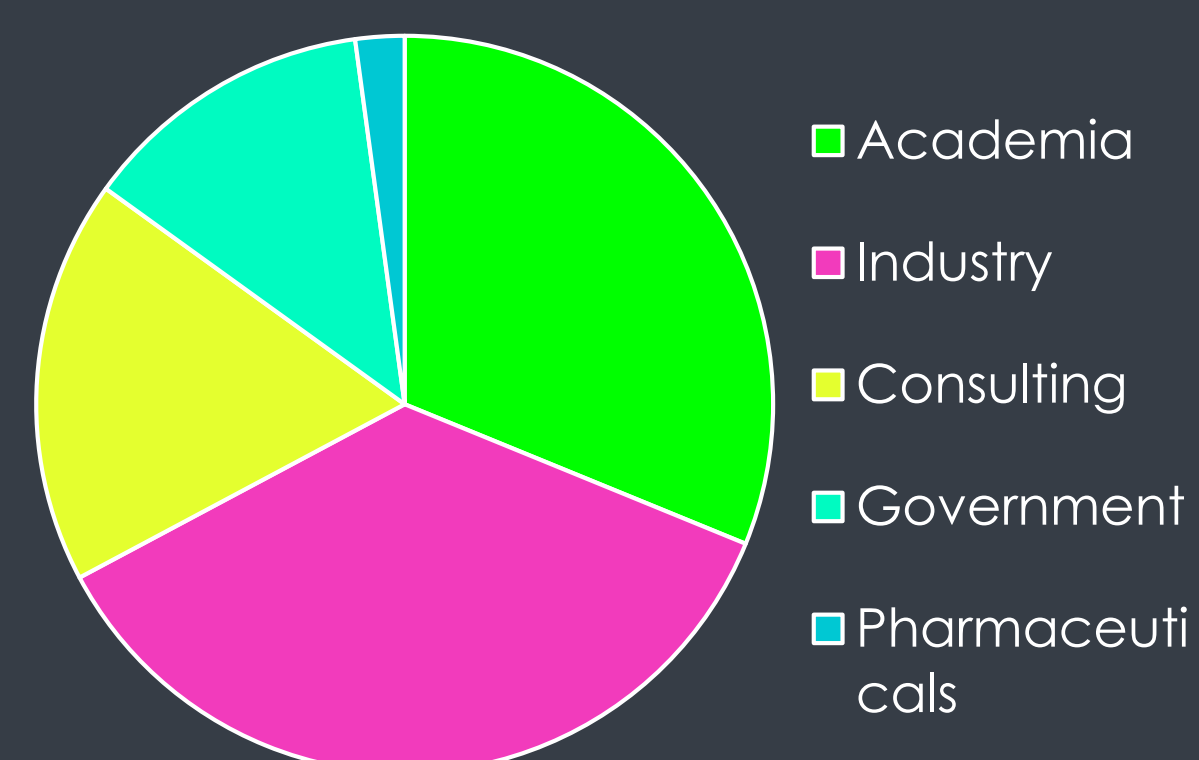
- ❖ Identify and encourage *integrative* research to *further the understanding* of the impact of exposure to chemicals, pollutants, and pharmaceutical drugs on general and susceptible populations
- ❖ Better informed regulatory decisions and actions that *impact both individual and population health*
- ❖ Identify and promote the continual development and application of *emerging* methods, tools, and models
- ❖ Sponsor and support activities to attract the next generation of scientists to occupational and environmental public health

2022-2023 Executive Board

President: Jessica Graham, PhD, DABT
Vice President: Anne E. Loccisano, PhD, DABT
Vice President-Elect: Janice S. Lee, PhD, DABT
Secretary/Treasurer: Brita Kilburg-Basnyat, PhD, DABT
Past President: Marie Meagher Bourgeois, PhD
Councilor: Marc A. Williams, PhD, FAAAAI
Councilor: Chandrika Moudgal, MS
Postdoctoral Representative: Antonella Marrocco, MD, PhD
Student Representative: Shelby Zangari, PhD

Membership Diversity

OPHSS is composed of toxicologists, epidemiologists and other occupational and public health specialists employed by a wide variety of organizations.



OPHSS Highlights

2022-2023 Journal Club

October 20, 2022

Bevin Blake, Ph.D.: Evaluation of Maternal, Embryo, and Placental Effects in CD-1 Mice following Gestational Exposure to Perfluorooctanoic Acid (PFOA) or Hexafluoropropylene Oxide Dimer Acid (HFPO-DA or GenX).

Feb 16, 2023

Lisa Wiesner, MAS Tox: Identifying nonhazardous substances in pharmaceutical manufacturing and setting default health-based exposure limits (HBELs).

Maria Baltazar, PharmD, Ph. D.: Next-Generation Risk Assessment Case Study for Coumarin in Cosmetic Products

April 20, 2023

Stacey Anderson, Ph.D.: Systemic toxicity induced by topical application of perfluoroheptanoic acid (PFHpA), perfluorohexanoic acid (PFHxA), and perfluoropentanoic acid (PFPeA) in a murine model.

Jodi A Flaws, Professor: The impact of Environmental Chemicals on the Gut Microbiome

OPHSS Luncheon Reception

Date: Tuesday, March 21, 2023
 Time: 12:00-1:30pm
 Location: Music City Center, Room 104B



Year-Round Events

Newsletters:

- 2 newsletters are published each year that include:
- Highlights of OPHSS members and their publications
 - Current events and activities
 - Showcasing graduate students and their research
 - Upcoming conferences and workshops
 - Job announcements and other employment opportunities

Webinars:

- Presentation by the Paper of the Year Winner
- OPHSS Journal Club

Program Planning:

- Be involved by:
- Submitting your ideas for symposiums and workshops for 2023 Annual SOT meeting in Nashville, Tennessee
 - Serving on committees, including the Awards Committee and Paper of the Year Committee



OPHSS Award Winners



Student Travel Award

Li Xia

School of Health Sciences, College of Health and Human Sciences, Purdue University, West Lafayette, IN, USA

"Inhalation Exposure and Health Effects Associated with Emissions Representative of Underground Plastic Manufacturing Processes"

Poster: P484, ToxExpo Hall C, Wed, Mar 22 2:30-4:15pm

Paper of the Year Award



Alejandra Trejo-Martin, M.S.

"An evaluation of the Occupational Health Hazards of Peptide Couplers"

Graham, J.C., Trejo-Martin, A., Chilton, M.L., Kostal, J., Bercu, J., Beutner, G.L., Bruen, U.S., Dolan, D.G., Gomez, S., Hillegass, J. and Nicolette, J.
 Chem Res Toxicol. 2022 Jun 20;35(6):1011-1022.



Best Postdoctoral Manuscript

Mr. Punng Saha, M.Sc.

College of Health Sciences, University of California, Irvine
 "Prior exposure to microcystin alters host gut resistome and is associated with dysregulated immune homeostasis in translatable mouse models"

Nature, Scientific Reports, Vol. 53, No. 7 (2020): 415-433

Best Graduate Student Abstract



Tonia Aminone

The University of Mississippi

"Comparison of Daily Measurements of Fine Particulate Matter, Black Carbon and Oxidative Potential Across Months in Tennessee"

Poster: P573, ToxExpo Hall C, Wed, Mar 22 10:45-12:30pm

Visit our website for more information!

<http://www.toxicology.org/groups/ss/ophss/index.asp>

