



Exposure Specialty Section

Chemical Exposure and Toxicology

Did you wash your hair today? Walk outside? Drink a cup of coffee or tea? If you answered, “yes”, then you’ve experienced EXPOSURE by dermal, inhalation, or ingestion routes - or all three!

- Exposure is often defined as the “contact between an agent (the coffee or tea) and a receptor (you)” - the critical link between hazard and risk. **Without exposure there is no risk!!**
- Exposure science helps us understand what we’re exposed to, how much, how often, and for how long.
- Exposure scientists work in areas ranging from PBPK modeling, to industrial hygiene monitoring, fate and transport modeling, characterizing uses of chemicals and human behavior, and more.

Our membership engage in fascinating work in these areas and others! Talk to us to learn more!

Objectives

- To facilitate the exchange of information and interactions across Society of Toxicology members participating in exposure research
- To foster the evolution, advancement, and integration of exposure-based approaches as they pertain to the needs of toxicology and risk evaluation
- To serve as an educational, mentorship, and networking resource for graduate students, postdoctoral fellows, and scientists interested in exposure research
- To develop, propose, and conduct a variety of cutting-edge programs and educational activities that emphasize the latest developments and issues in exposure research

Connect with us and join our [LinkedIn page](#) for updates!

Website:



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2026 Award Winners

Best Paper

Winner: Min-Soo Kim et al. "A physiologically based kinetic model for quantifying human exposure to DEET." *International Journal of Hygiene and Environmental Health* (2025). <https://doi.org/10.1016/j.ijheh.2025.114616>.

Best Abstracts

Winner: Tri Huynh, NYU Langone Health, “Coexisting with Toxic Legacies: Assessing Soil Metal Levels, Sources, and Health Risks Associated with Living Amid Contamination Within a Superfund Site.” Abstract 3992: Poster Board F454 (Tuesday afternoon)

Runner-Up: Isha Mhatre-Winters, University of Georgia, “Association of Prenatal Pesticide Exposure with Plasma Aβ-42/40 and Cognitive Function in Midlife is Modified by APOE Genotype: Evidence from the CHDS cohort.” Abstract 3597: Poster Board K750 (Monday afternoon)

Runner-Up: Erin A Huber, RTI International, “Modeling repeated ENDS exposure response trajectories in adolescents using a co-culture model of the bronchial epithelium.” Abstract 4125: Poster Board H607 (Tuesday afternoon)

Runner-Up: L. Nakayama Wong, California DTSC, “USEtox modeling of children’s exposures to potential endocrine disruptors in personal care products.” Abstract 4200: Poster Board J691 (Tuesday afternoon)

Runner-Up: Chloe Chou, U. North Carolina, “Deriving a mixture of combustible materials in American homes and fire-prone biomes to elucidate the toxicity of wildland-urban interface fires.” Abstract 3506: Poster Board J658 (Monday afternoon)

Travel Awards

Student Award: Kaylyn Dinh, Texas A&M, Assessing PFAS Exposure in Donor Human Milk Across Lactation Stages.” Abstract 4182: Poster Board J673 (Tuesday afternoon)

Post-Doc Award: Yongcheng Li, U. Nevada-Reno, Abstract 4198: Poster Board J689 (Tuesday afternoon)



JOIN US!

The SOT Exposure Specialty Section Luncheon
Monday, March 23, 2026, 12:00 – 1:30pm, Room 3, Convention Center

2026 Annual Meeting ESS Sponsored Sessions

Session Type	Session Name	Date/Time (PDT)	Convention Center Room
Informational	Wildland Urban Interface Fire Beyond the Smoke: Exploring the Broader Environmental and Health Impacts	Monday, March 23 rd 9:15 am – 12:00 pm	Room 1B
Regional Interest	Chemical Exposures and At-Risk Populations in California	Monday, March 23 rd 2:00 – 4:45 pm	Room 1B
Symposium	Milk Matters: Assessing Breast Milk Through an Environmental Health Perspective	Tuesday, March 24 th 8:00 – 9:30 am	Ballroom 6E
Symposium	New Frontiers in Reproductive Toxicology: Emerging Contaminants and Novel Mechanisms of Toxicity	Weds., March 25 th 8:00 – 10:45 am	Room 1B
Workshop	Optimizing Chemical Risk Assessment for Medical Device Biological Safety: Challenges, Progress, and Collaborative Opportunities	Wed., March 25 th 1:30 – 4:15 pm	Room 8
Informational	Advancing Risk Communication: Strengthening Collaboration Between Toxicologists and Exposure Scientists in the Face of a Changing Regulatory Landscape	Weds, March 25 th 1:30 – 4:15 pm	Ballroom 6B