



EXPOSURE SPECIALTY SECTION OF SOT

2024 Newsletter



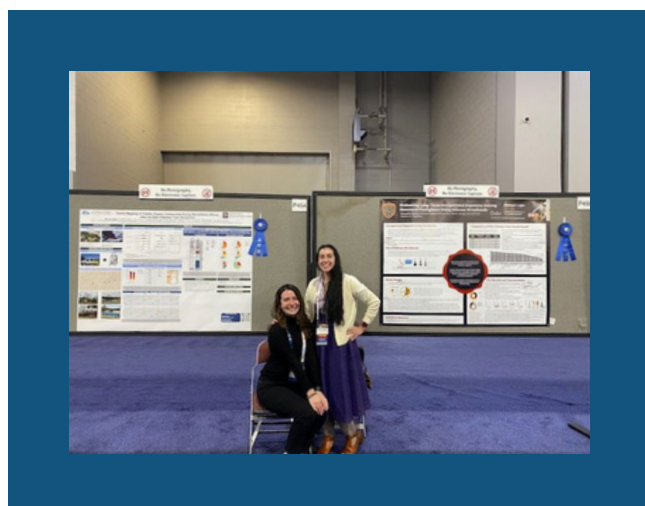
UPCOMING EVENTS

See the following pages for updates about the Exposure Specialty Section's upcoming activities and awards at the 2025 SOT Annual Meeting in Orlando, Florida!



2024-2025 OFFICERS

President: Neha Sunger
 Vice President: Esra Mutlu
 Vice President-Elect: Marie Bourgeois
 Past President: Christine Whittaker
 Secretary/Treasurer: Paul DeLeo
 Senior Councilor: Danielle Carlin
 Junior Councilor: Alison Pecquet
 Postdoctoral Rep: Samantha Samon
 Vice Postdoctoral Rep: Elise Hickman
 Grad Student Rep: Mariana Saitas
 Vice Grad Student Rep: Antonio Saporito



LETTER FROM THE OUTGOING PRESIDENT

Dear friends and colleagues,

SOT 2024 in Salt Lake City was exciting and productive for the Exposure Specialty Section. It was great seeing so many folks in person, and it was especially delightful to meet our Travel Award winners, Best Paper winners, and Best Abstract authors in Salt Lake City. What a passionate, dedicated, and talented group of people, bringing the best of exposure science to our Annual Meeting! The depth and breadth of research in exposure science across all the SOT sessions was humbling to see.

As the outgoing President of the Exposure Specialty Section, I want to express my heartfelt thanks to all who have made the ESS a remarkable experience for me, both personally and professionally. And a special thanks is owed to the amazing folks on the Executive Committee. This thoughtful and creative group of folks has been the engine behind the Exposure Specialty Section, organizing webinars, keeping the membership informed of events, competitions and opportunities, reviewing proposals, abstracts and papers, and generally representing ESS with enthusiasm and unquenchable optimism. It has been wonderful working with all of you.

Thank you to the volunteers, especially those who served as reviewers, reading through hundreds of abstracts and papers on exposure science to determine our winners! (more on them later in this newsletter!)

And most of all, thanks to each of our members for your interest in and advancement of Exposure Science! Your commitment to exposure science research keeps this Specialty Section engaged and vital. I wish you all the best in the coming year.

Please join me in welcoming Neha Sunger, our incoming President of the Specialty Section for 2024-25. She has already done an amazing job as Vice President, and I know she will lead the way to a terrific year for Exposure Science.

Chris Whittaker
President, Exposure Specialty Section 2023-2024

SOT 2024 ANNUAL MEETING RECAP



OUR OFFICERS' FAVORITE MOMENTS

- Elise Hickman earned the first Postdoc Travel Award presented, which prompted her to join ESS leadership. Elise is now serving as the Vice Postdoctoral Representative.
- Two of our officers, Samantha Samon and Mariana Saitas, received honorable mentions for their abstracts.
- Officers enjoyed supporting friends and colleagues doing fantastic research in other areas of toxicology.

SOT 2024 AWARD WINNERS

Best Abstract

Best Abstract Winner: Luiz Paulo de Aguiar Marciano for his abstract titled "Risk assessment of exposure to triazole fungicides by human biomonitoring and mechanistic data". Abstract ID 3325, poster board P448.

Best Abstract Runner-Up: Kevin Guth for his abstract titled "Beryllium Exposure During Structural Steel Abrasive Blasting Operations". Abstract ID 3321, poster board P444.

Best Paper

He, Xiaojia, et al. "Low-dose vanadium pentoxide perturbed lung metabolism associated with inflammation and fibrosis signalling in male animal and *in vitro* models." *American Journal of Physiology-Lung Cellular and Molecular Physiology* (2023).



Travel Awards

Student Award: Chang Geun Lee, Purdue University

Post-Doc Award: Elise Hickman, University of North Carolina, Chapel Hill



SOT 2025 ANNUAL MEETING PREVIEW

LUNCHEON

The **Exposure Specialty Section (ESS)** is partnering with the **Occupational and Public Health Specialty Section (OPHSS)** to hold a joint luncheon on **Monday, March 17, 2025**. ESS and OPHSS are pleased to be able to better leverage their resources and are looking forward to providing an opportunity for members to network and engage with colleagues from another Specialty Section with similar interests. Every member of each Specialty Section is welcome to attend the luncheon.

VIRTUAL BUSINESS MEETING

ESS will host its Annual Business Meeting virtually in February before the SOT 2025 Annual Meeting in Orlando. The date and time is yet to be determined, so stay tuned for a forthcoming announcement.

JOINT MENTORING RECEPTION

ESS will co-sponsor a joint mentoring session with several other SOT Specialty Sections and Special Interest Groups. The mentoring session is anticipated to occur during the evening of **Tuesday, March 18, 2025**. So, stay tuned for additional information regarding the logistical details. In addition, we anticipate a call for **mentors** to go out in advance of the meeting. Keep an eye out for a future message from ESS regarding the session.

SOT 2025: ACCEPTED SESSIONS

This year the Exposure Specialty Section reviewed and endorsed 11 sessions, of which 8 were accepted. Please see below for more information about the sessions

CONTINUING EDUCATION COURSES		
Environmentally Focused Knowledgebases: Past, Present, and Future	Sunday, March 16th	8:15 am - 12:00 pm
Fit-for-Purpose Methods to Fulfill 21st-Century Chemical Risk Assessment	Sunday, March 16th	8:15 am - 12:00 pm
SYMPOSIA		
Environmental Cohort Studies to Promote Children's Health in Japan and the United States	Tuesday, March 18th	8:00 am - 10:45 am
Clearing the Air: Health Effects of Secondhand and Thirdhand Vaping Exposure	Wednesday, March 19th	1:30 pm - 4:15 pm
WORKSHOPS		
Into the Fire: Exploring Firefighter Exposures and Health	Monday, March 17th	1:45 pm - 4:30 pm
Micro- and Nanoplastics: Lessons Learned from Nanotoxicology	Tuesday, March 18th	8:00 am - 10:45 pm
Exposure Assessment Strategies for Susceptible and Vulnerable Communities	Tuesday, March 18th	1:00 pm - 2:30 pm
INFORMATIONAL SESSION		
Recent Advances in Exposure Predictions: Model Refinement and Accessibility	Monday, March 17th	12:10 pm - 1:30 pm

2025 AWARD OPPORTUNITIES

The Exposure Specialty Section (ESS) is soliciting applications for awards! Awards will be presented at the 2025 Annual Meeting. ESS sponsors individual Graduate Student and Postdoc Travel Awards (\$500 each). Applications are due by **January 15th, 2025** and can be submitted using the [SOT Apply platform](#). See below and on [our website](#) for more information about each award.

ESS BEST OVERALL ABSTRACT

Eligibility: Any abstract accepted by SOT for the Annual Meeting which indicates an application of exposure science with regards to toxicology. Abstracts will be evaluated based on the exposure assessment or methodology focus, scientific quality and significance of the research project, impact and/or novelty of the findings and written quality of the abstract. Submissions do not need to be from members of the Exposure Specialty Section.

Application Materials: All accepted abstracts will be reviewed, but to ensure consideration, please include "exposure" as a keyword during submission and, after acceptance, self-nominate any abstracts by submitting your abstract through the SOT Apply platform. The ESS will use keyword search terms to identify additional candidates from the SOT accepted abstract database.

ESS BEST PUBLICATION

Eligibility: All publications by an SOT member (first and/or last author) accepted by a peer-reviewed journal and in the field of exposure science with regards to toxicology are eligible. Publications with acceptance dates from December 1, 2023 through December 1, 2024 are eligible. Publications will be evaluated based on the exposure assessment or methodology focus, scientific quality and significance of the research project, impact and/or novelty of the findings and written quality of the publication. Submissions do not need to be from members of the Exposure Specialty Section, but either the first or last author should be SOT members.

Application Materials: Nominate papers by submitting citation information. The ESS Executive Committee will identify additional candidates through literature review.

ESS STUDENT & POSTDOCTORAL TRAVEL AWARDS

Eligibility: Any student or postdoc who is the presenting author of an abstract submitted to SOT for the Annual Meeting which indicates an application of exposure science with regards to toxicology. Abstracts will be evaluated based on the exposure assessment or methodology focus, scientific quality and significance of the research project, impact and/or novelty of the findings, written quality of the abstract, and stated need by the candidate. The student award is available to individuals who have completed a bachelor's degree and are enrolled in a program leading to second bachelor's, master's, or doctoral degree. Applicants must be members of SOT or show evidence of their application for SOT membership. Applicants are strongly encouraged to join the ESS.

Application Materials: Electronic copy of 2025 SOT abstract, proof of status as student or postdoc researcher (letter from advisor), 200-word statement on how work advances field of exposures science, 100-word statement on travel funding need.

CLOSING DETAILS

FY2025 FINANCIAL SUMMARY (AS OF OCTOBER 31, 2024)

	Income	Expense	Balance
Net Assets Beginning of FY25 (July 2024)			\$5,480
Travel award donation (August 2024)	\$1,000		
Anticipated 2025 Annual Meeting Expenses		\$3,930	
2025 Travel Awards (2 X \$500)		\$1,000	
Anticipated Balance after 2025 Annual Meeting			\$1,550

WANT TO GET INVOLVED WITH ESS?

We have several open opportunities for **YOU** to become involved! We rely on member support to aid the ESS in achieving its mission.

- Be sure to fill out our [*Annual Membership Survey*](#): please respond and make your opinions heard.
- Volunteer to serve on one of our ESS committees (Awards, Communications, Fundraising, Membership, Webinars) via the [*Survey*](#).
- We encourage **YOU** to apply for an Executive Committee (EC) position for the 2025-2026 term. This is your chance to share your voice and perspective and to make meaningful impact within the Society.
 - If interested, self nominate by contacting a current ESS EC member to learn more.

WANT MORE EXPOSURE SCIENCE?

Consider becoming involved in the following societies:

- [American Industrial Hygiene Association](#)
- [International Society of Exposure Science](#)
- [International Society for Environmental Epidemiology](#)
- [National Environmental Health Association](#)