

Exposure Specialty Section

ANNUAL REPORT: 2023–2024

May 1, 2023 to April 30, 2024

I. Officers:

2023–2024	2024–2025
President: Christine Whittaker Vice President: Neha Sunger Vice President-Elect: Esra Mutlu Secretary-Treasurer: Paul DeLeo Past President, Councillor: Mansi Krishnan Councillor: Michelle Embry Junior Councillor: Danielle Carlin Postdoctoral Representative: Catherine Wise Vice Postdoctoral Representative: Samantha Samon Graduate Student Representative: Taylor Hoxie Vice Graduate Student Representative: Mariana Saitas	President: Neha Sunger Vice President: Esra Mutlu Vice President-Elect: Marie Bourgeois Secretary-Treasurer: Paul DeLeo Past President, Councillor: Christine Whittaker Councillor: Danielle Carlin Junior Councillor: Alison Pecquet Postdoctoral Representative: Samantha Samon Vice Postdoctoral Representative: Elise Hickman Graduate Student Representative: Mariana Saitas Vice Graduate Student Representative: Antonio Saporito

Committees:

- a. Awards Committee: Michelle Embry (co-chair), Danielle Carlin (co-chair), Kyle Messier, Daniel Dawson, Mariana Saitas, Brittany Baisch, Samantha Samon, Mansi Krishnan, Taylor Hoxie, Neha Sunger, Christine Whittaker, Paul DeLeo, Nadia Moore, Tom Jonaitis, Esra Mutlu, Elke Jensen, and Catherine Wise
- b. Fundraising Committee: Paul DeLeo (chair)
- c. Communications Committee: Catherine Wise and Taylor Hoxie
- d. Nominations Committee: Mansi Krishnan (chair), Christine Whittaker, Paul DeLeo, Neha Sunger and Esra Mutlu
- e. Program Committee: Neha Sunger (chair), Esra Mutlu, Christine Whittaker, Paul DeLeo, Mansi Krishnan, Michelle Embry, Danielle Carlin, Catherine Wise, Samantha Samon, Taylor Hoxie, and Mariana Saitas
- f. Webinar Committee: Esra Mutlu (chair)

II. 2024 Membership total: 147

III. Key Outcomes and Accomplishments in 2023–2024:

The Exposure Specialty Section accomplished the following activities throughout the year.

- In-person meeting/mixer
- Endorsed session(s) at the Annual Meeting
- Trainee awards conferred
- Paper of the year award
- Newsletter(s)
- Webinars
- Business meeting (communicated operations/finances to members)

IV. Collaborative Partnerships with Other SOT Organizations:

The Exposure Specialty Section collaborated with the following organizations within SOT.

- Risk Assessment
- ISES

V. Communication Methods:

The Exposure Specialty Section stayed in contact with its members throughout the year through the following mechanisms.

- ToXchange
- Emails through SOT Headquarters
- Specialty Section website
- Newsletter(s)
- LinkedIn

VI. Promotion of Inclusivity

The Exposure Specialty Section maintained an inclusive organization through the following activities.

- Nominate a diverse slate of candidates for elections
- Solicit equitable input from all executive committee leaders
- Utilize virtual meetings for convening Specialty Section leadership
- Utilize standardized rubrics for judging awards/posters
- Highlight trainee research
- Solicit member feedback for development of Specialty Section activities (such as webinar topics)
- Provide volunteer activities for the membership to be engaged
- Provide volunteer activities for the membership to be engaged
- Use multiple approaches to communicate with membership

VII. Mentoring and Career Development Activities:

The Exposure Specialty Section hosted the following mentoring activities throughout the year for its membership.

- Individuals from the EC and membership engaged in individual mentoring activities at the annual meeting and at other times throughout the year.

VIII. Awards Given:

Trainee	2
Early Career	2
Mid Career	
Late Career	

IX. Key Outcomes and Improvements:

1. Co-sponsored 3 webinars:
 - a. Held on 6 Feb 2023, “Silicone Wristbands: Personal Exposure Monitors to Help Support Research on the Exposome” (Webinar recording) Co-hosted by: RASS, ESS, and ISESS,

Speaker: Heather M. Stapleton, PhD, Ronie-Richele Garcia-Johnson Distinguished Professor of Environmental Health, Nicholas School of the Environment, Duke University

b. Held on 3 August 2023, “Silicone Wristbands: An introduction to chemical exposure estimation” Co-hosted by: RASS and ESS, Speaker: Jon Arnot, PhD, President and Principal Scientist at ARC Arnot Research and Consulting Inc & an adjunct professor at the University of Toronto

c. Held on 14 Feb 2024, “Innovations in Exposure and Mixture Assessment Approaches” Co-hosted by: RASS, ESS, and ISES, Speakers: Zach Stanfield, PhD, US EPA and Kyle P. Messier, PhD, NIEHS

2. Awarded travel awards for trainees to the annual meeting (sponsored by ACC)

a. Student award: Chang Geun Lee, Purdue University

b. Postdoc award: Elise Hickman, University of North Carolina

X. Strategic Plan:

The Exposure Specialty Section supported the following SOT Strategic Priorities.

- Proactively pursue impactful scientific content
- Support the development and application of tools that advance toxicology
- Effectively communicate scientific advances
- Foster connectivity across scientific disciplines
- Develop a talent pool of toxicologists for the future

XI. Scientific Topics of Interest:

The Exposure Specialty Section is interested in seeing the following topic areas developed into sessions at future SOT Annual Meetings.

- 1. Environmental exposure to and toxicity of trace microplastics.
- 2. Assessing exposures to wildland fire smoke in workers and susceptible community populations.

XII. Feedback to the Society:

A. What is the one thing the Society should be doing that it currently does not do (or does not do effectively) that would be of importance/benefit to the members of the Specialty Section?

It would be useful if the Society would provide opportunities for small and emerging SSs to hold more modest events at the Annual Meeting to facilitate networking opportunities. Along the same lines, it would be helpful if the Society would facilitate matchmaking between SSs for networking and webinars. Another area that would really help logically is if the Society could facilitate an easier transition of online access and log in information with SS turnover and provide clear instructions on how to access various online components that require yearly updating.

B. What is the one thing the Society is currently doing that impacts the Specialty Section that should be changed (e.g., stopped, modified, etc.)?

It would be helpful if the Society would change/update ToXchange to improve its utility for searching, identifying speakers. In addition, the Society could improve protocols on updating websites to make it easier/more timely to get the word out on events. A more future-oriented suggestion would be for the Society to consider changing the dues structure for students/post-docs to promote increased participation among the up and coming toxicologists.