

## Exposure

### ANNUAL REPORT: 2022–2023

May 1, 2022 to April 30, 2023

#### I. Officers/Committees

##### Officer

President:  
Vice President:  
Vice President-Elect:  
Secretary/Treasurer:  
Past President:  
Councilors:  
  
Postdoctoral Representatives:  
  
Graduate Student Representatives:

##### 2022–2023

Mansi Krishan  
Christine Whittaker  
Neha Sunger  
Dingsheng Li  
Elke Jensen  
Judy LaKind  
Michelle Embry  
Vrinda Kalia  
Catherine Wise  
Samantha Hall  
Taylor Hoxie

##### 2023–2024

Christine Whittaker  
Neha Sunger  
Esra Mutlu  
Paul DeLeo  
Mansi Krishan  
Danielle Carlin  
Michelle Embry  
Catherine Wise  
Samantha Samon  
Taylor Hoxie  
Mariana Saitas

#### Committees:

##### **Awards Committee:**

Michelle Embry (Chair)  
Judy LaKind (co-chair)  
Amanda Burns  
Sam Hall  
Elke Jensen  
Debra Kaden  
Mansi Krishan  
Dingsheng Li  
Satori Marchitti,  
Elizabeth Marder  
Ashley Peppriell  
Sandra Sulsky  
Cecilia Tan  
Justin Teegarden

##### **Membership Committee:**

Judy LaKind (Chair)  
Melinda Donnell  
Evan Beckett  
Elizabeth Marder  
Nadia Moore

##### **Fundraising Committee:**

Michelle Embry (Chair)  
Dingsheng Li  
Mansi Krishan

##### **Communications**

##### **Committee:**

Vrinda Kalia (co-chair)  
Samantha Hall (co-chair)  
Catherine Wise  
Taylor Hoxie

##### **Nominations Committee:**

Elke Jensen (co-chair)  
Dingsheng Li (co-chair)  
Mansi Krishan

##### **Program Committee:**

Christine Whittaker (chair)  
Elke Jensen  
Mansi Krishan  
Dingsheng Li  
Neha Sunger

Michelle Embry

Judy LaKind  
Vrinda Kalia  
Catherine Wise  
Samantha Hall  
Taylor Hoxie

##### **Webinar Committee:**

Neha Sunger (Chair)  
Judy LaKind (co-chair)  
Vrinda Kalia  
Samantha Hall  
Catherine Wise  
Taylor Hoxie

**I. 2022 Membership total: 134**

**II. Key Outcomes in 2022–2023:**

- A. Exposures SS hosted a webinar titled “Beyond the Bench: Using Exposure Science to Promote Toxicology in Policy, Decision-Making, and Public Health” on 2 Nov 2022. Speakers: Tom Luben, PhD, Epidemiologist, US EPA, and Jane Clougherty, ScD, Associate Professor, Drexel University.
- B. Exposures SS co-hosted a webinar with RASS and ISESS titled “Silicone Wristbands: Personal Exposure Monitors to Help Support Research on the Exposome” on 6 Feb 2023. Speaker: Heather M. Stapleton, PhD, Ronie-Richele Garcia-Johnson Distinguished Professor of Environmental Health, Nicholas School of the Environment, Duke University.

**III. Activities**

A. SOT Annual Meeting Activities (e.g., courses, scientific sessions, receptions):

- Exposures SS Luncheon and Business Meeting on Monday, 20 March 2023
- Exposure Assessment/Biomonitoring Poster Session on Tuesday, 21 March 2023
- Scientific Sessions: 5 out of 7 proposals endorsed by ESS were accepted for presentation at SOT 2023
  - Microplastics: Factors to Consider When Assessing Potential Environmental and Human Health Risks
  - Placenta as a Target of Environmental Exposures: From Bench to Society
  - Toxicology 2.0: Moving from Reductionist to Holistic Paradigms
  - Grappling with the Grim Reaper: Epigenetics of Aging
  - Emerging Environmental Contaminants and Issues of Concern: Developing Toxicologic Strategies to Identify and Address

B. 2023 Awards Recipients:

- 2023 ESS Best Paper Award (Electronic Cigarette Solvents, JUUL E-Liquids, and Biomarkers of Exposure: In Vivo Evidence for Acrolein and Glycidol in E-Cig-Derived Aerosols, Pawel Lorkiewicz [first author])
- 2023 ESS Best Paper Runner-Up (Bayesian Inference of Chemical Exposures from NHANES Urine Biomonitoring Data, Zachary Stanfield [first author])
- 2023 ESS Best Abstract Award (Toward Human Exposome: Nontargeted Large-Scale Pesticide Screening in Human Adult and Baby Urine with High-Resolution Accurate Mass Spectrometry, Haoduo Zhao [first author])
- 2023 ESS Best Abstract Award Runner-Up (The Plot Thickens: Determination of Heavy Metal Exposure in North Brooklyn Parks, Antonio Saporito [first author])

C. Other Educational Activities Conducted (e.g., webinars, in-person meetings):

- Exposures SS hosted a webinar titled “Beyond the Bench: Using Exposure Science to Promote Toxicology in Policy, Decision-Making, and Public Health” on 2 Nov 2022.
  - Speakers: Tom Luben, PhD, Epidemiologist, US EPA, and Jane Clougherty, ScD, Associate Professor, Drexel University.
- Exposures SS co-hosted a webinar with RASS, and ISESS titled “Silicone Wristbands: Personal Exposure Monitors to Help Support Research on the Exposome” on 6 Feb 2023.
  - Speaker: Heather M. Stapleton, PhD, Ronie-Richele Garcia-Johnson Distinguished Professor of Environmental Health, Nicholas School of the Environment, Duke University.

D. Communication Activities:

1. Newsletter publication frequency: Fall 2022:  
[https://www.toxicology.org/groups/ss/ESS/docs/ESS\\_Newsletter\\_Fall\\_2022.pdf](https://www.toxicology.org/groups/ss/ESS/docs/ESS_Newsletter_Fall_2022.pdf)
2. Communication Highlights:
  - All Exposures SS events and updates posted on our website, newsletter, and Exposures SS LinkedIn Page <https://www.linkedin.com/groups/12209697>
  - Call for nominations, award applications and fundraising requests to ExpoSS membership through LinkedIn page, newsletter and email blast to membership.
3. Highlights of website enhancements: Posting webinar announcement, recordings, and newsletter.

E. Mentoring Activities: In 2022, ESS did not host a mentoring event at SOT due to budget constraints. However, the ESS Executive Committee is committed to mentoring and helping anyone interested in Exposures. Some of the officers met with mentees 1:1 at SOT and/or by Zoom/phone conversations.

**IV. Feedback and Ideas:**

A. In what ways is your group fostering and maintaining an inclusive environment? Please give examples of any current practices used to support inclusion in processes such as 1) leadership selection and promotion, 2) award descriptions and selection, and 3) endorsement of proposals for the annual meetings.

Exposures SS welcomes and encourages every individual, advances their ideas, recognizes them for their efforts and contributions, and provides an environment that nurtures their growth.

B. What is one thing the Society should be doing that we currently do not do (or do not do effectively) that would be of importance/benefit to the members of your component group?

ESS would like to thank the SOT for their help and support with activities of the SS throughout the year. It would be helpful if SOT can share suggestions/recommendations with smaller/relatively new specialty sections on how to increase membership and raise funds to help sustain SS activities.

- C. What is one thing that the Society is currently doing that impacts your component group that should be changed (e.g., stopped, modified, etc.)?

At times in the past year, ESS has experienced delays in receiving a response from SOT. From the time when a Specialty Section submits nominations for the ballot, it would be helpful if SOT staff can share any concerns within 1-2 weeks of the submission. This will help SS reach out to their nominations in case SOT has some suggestions and/or to look for additional candidates if there is a requirement for minimum number of candidates to run for a position.