

Exposure Specialty Section

ANNUAL REPORT: 2020-2021

May 1, 2020 to April 30, 2021

I. Officers/Committees:

<u>Officers</u>	<u>2020-2021</u>	<u>2021-2022</u>
President:	Barbara A. Wetmore	Elke Jensen
Vice President:	Elke Jensen	Mansi Krishan
Vice President-Elect:	Mansi Krishan	Caroline Ring
Secretary:	Brittany Lynn Baisch	Dingsheng Li
Treasurer:	Brittany Lynn Baisch	Dingsheng Li
Past President	John F. Wambaugh	Barbara A. Wetmore
Councilors:	John F. Wambaugh	Barbara A. Wetmore
	Azita K. Cuevas	Azita K. Cuevas
	Debra A. Kaden	Michelle Embry
PDA Representative:	Marci G. Smeltz	Marci G. Smeltz
Vice Postdoctoral Representative:		Vrinda Kalia
Grad Student Representative:	Mariana T. Farcas	Sam Hall

Committees:

ESS committees include: Program, Nominations, Awards, Webinar, Communication, Fundraising

II. 2020 Membership total: 146

III. Key Outcomes in 2020-2021:

2021 Annual Meeting sessions endorsed by ESS

- A. A Future Framework for Application of In Vitro Metabolism and QIVIVE Models to Inform Risk Assessment
- B. Standardization of In Vitro Inhalation Exposure for Regulatory Acceptance
- C. New Approach Methodologies for Exposure: Advancing Chemical Risk Assessment
- D. It Is Not Just Air: Exposure to Indoor Air Pollution, Diagnostic Tools, and Evaluation of Health Effects
- E. The Scientific Challenges in Regulating Organohalogen Flame Retardants (OFRs) as a Class in Consumer Products

IV. Activities:

A. 2021 SOT Virtual Annual Meeting Activities (e.g., courses, scientific sessions, or virtual receptions):

Exposure Specialty Section Virtual Meeting

Date and Time: Tuesday, March 16, 2021 from 5:30 pm – 6:30 pm ET

Summary: The ESS Executive Committee facilitated an active dialogue with the membership that discussed future plans and initiatives. Other activities included an introduction of newly elected officers, financial and membership updates, highlights on upcoming activities, and an award ceremony.

B. 2021 Awards Information:

Best Paper – “Utility of *In Vitro* Bioactivity as a Lower Bound Estimate of *In Vivo* Adverse Effect Levels and in Risk-Based Prioritization,” Paul Friedman, K., Gagne, M., Loo, L.H., Karamertzanis, P., Netzeva, T., Sobanski, T., Franzosa, J.A., Richard, A.M., Lougee, R.R., Gissi, A. and Lee, J.Y.J., *Toxicological Sciences*, 173(1), 2020, 202–225

Best Abstract - “Evaluating Consumer Exposure to Disinfecting Chemicals against Coronavirus Disease 2019 (COVID-19) and Associated Health Risks,” D. Li, A. Sangion, and L. Li.

SOT Enhancement of Animal Welfare Award: Barbara Wetmore

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

ESS Webinar – Co-Sponsored with the International Society of Exposure Science (ISES) and RASS

Title: Composite Scores, Social Embodiment and Risk of CVD: Evidence from the UK Biobank Cohort

Date: February 10, 2021

Duration: 1.5 hours

Speaker: Marc Chadeau-Hyam, PhD

Attendees: 46

ESS Webinar – Exposures Specialty Section Award Winners

Date: May 3, 2021

Duration: 1.0 hour

Speaker 1: Darryl B. Hood, PhD, Ohio State University, Associate Professor

Speaker 2: David Hines, PhD, Integrated Laboratory Systems, LLC, Senior Computational Toxicologist

Attendees: 53

D. Communication Activities:

1. Newsletter publication frequency: Spring 2021
2. New or Significant Announcements/blogs: [Exposure LinkedIn Account](#)
3. Highlight of Website enhancements: The ESS Website was updated to reflect community exposures among routes and sources of exposure.

E. Mentoring activities: N/A

V. Feedback and Ideas:

- A. **In what ways is your group fostering and maintaining an inclusive environment?**
The ESS welcomes all members and perspectives.

- B. **How might SOT better support your group's activities (perhaps something 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?):**

Note: If funding is listed, please provide detail on the membership need that the funding would support.

SOT - notably the SS Liaison - does a great job supporting the ESS.

- 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.)?**

None noted

- D. **What changes do your component group anticipate making in the way in which it operates in the coming year?**

The ESS will expand committee activities on membership and funding.