

Mixtures Specialty Section

A mixture of business, social, and news

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President's Message

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From the President

Dear SOT Mixtures Specialty Section (MixSS) members,

We are looking forward to seeing you at the 2025 SOT Annual Meeting in Orlando.

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Our reception will be on Wednesday evening and be sure to check out the MixSS endorsed symposia and workshop throughout the week (details on page 4) as well as Mixtures poster session on Wednesday from 1:45-4:15pm.

Leading up to this year's annual meeting, we have had MixSS activities throughout the year including two webinars co-hosted with the RASS, and last month we held our annual Jane Ellen Simmons Travel Award Competition. This is an excellent way to support trainees while honoring Jane Ellen Simmons. Also, a special thanks to Esra Multu, the MixSS Past President, for her efforts in creating this award starting in 2024. I encourage all of you to consider donating to this award so we can continue to carry on this tradition. To contribute, send an email to SOTmixSS@gmail.com or [Donate Here](#). Now more than ever, providing trainees with opportunities to present at and attend scientific conferences is paramount.

Cont'd on pg 2

From the President, continued

In addition to the Jane Ellen Simmons Travel Award, we again had the opportunity to review abstracts related to Mixtures toxicology for the upcoming meeting. Be on the lookout for ribbons at the posters of our Top 5 Abstract winners. Additionally, with the generous support from RTI International, we were able to review applications for the MixSS Best Student/Postdoc Abstract Awards (pg 5-6). This is another way of supporting the exceptional mixtures toxicology research that is occurring with trainees. The winners of this award will be recognized at the reception on Wednesday evening, so make sure to stop by and congratulate them!

Lastly, I would like to thank all of the MixSS officers who work throughout the year to support Mixtures research, trainees, and events. Without their continued efforts we would not have the supportive MixSS community. It has been a pleasure working with each of them and I'm excited to see what happens next for the MixSS.

Myself and the MixSS officers are eager to see everyone at the SOT Annual Meeting! You can stay up to date with MixSS events and upcoming awards through our [website](#) and [LinkedIn page](#). Please reach out to us if you have any suggestions or ideas!

Sincerely,
Courtney Roper, Ph.D.
President, MixSS (2024-2025)



Recent Webinars

The Risk Assessment Specialty Section (RASS) hosts monthly webinars and twice a year, RASS graciously teams up with MixSS to co-host seminars at the intersection of risk assessment and mixtures toxicology.

Wednesday, January 8, 2025: An Update on Vaping in Two Parts



“Part 1: The Mixture Effect – Complexity of Electronic Nicotine Delivery System (ENDS) Aerosols Toxicity Assessment”

Alexandra Noël, PhD | Associate Professor, Director of Inhalation Research Facility| Louisiana State University

“Part 2: Considerations in Assessing Hazards, Exposures, and Risks of ENDS Compared to Other Tobacco Products”

Mary Irwin, PhD,| Center for Tobacco Products, US Food and Drug Administration



Monday, January 27, 2025: Jane Ellen Simmons Travel Award Finalist Competition



Finalists:

Jiawen Chen, University of Southern California

Chloe Chou, University of North Carolina Chapel Hill

Hannah Dye, University of Washington

Erin McNell, University of North Carolina Chapel Hill and National Institute of Environmental Health Sciences

Olga Skende, University of Rhode Island

Jennifer Thies, University of North Carolina Chapel Hill

Access these presentations and other past MixSS webinars [HERE](#).

Looking Ahead: SOT 2025

MixSS Endorsed SOT 2025 Sessions

Tuesday, March 18, 1:00 PM to 2:30 PM, Room W202A, Convention Center

Workshop Session: Exposure Assessment Strategies for Susceptible and Vulnerable Populations

W

Chairs: Eva Vitucci, Texas A&M University and Samantha Snow, ICF International Inc.

Primary Endorser: Exposure Specialty Section

Other Endorser(s): Inhalation and Respiratory Specialty Section; Mixtures Specialty Section

Monday, March 17, 1:45 PM to 4:30 PM, Room W203A, Convention Center

Symposium Session: Living in a Chemical World: Identification and Characterization of Emerging Contaminants of Concern and Need for New Regulatory Approaches

S

Chairs: Christopher Kassotis, Wayne State University and Katherine Pelch, Natural Resources Defense Council

Primary Endorser: Mixtures Specialty Section

Other Endorser(s): Mechanisms Specialty Section

Tuesday, March 18, 1:00 PM to 2:30 PM, Room W203A, Convention Center

Symposium Session: Reproductive and Endocrine-Disrupting Effects of Legacy and Emerging PFAS and their Mixtures

S

Chairs: Barbara Wetmore, US EPA and Shuo Xiao, Rutgers, The State University of New Jersey

Primary Endorser: Reproductive and Developmental Toxicology Specialty Section

Other Endorser(s): Mixtures Specialty Section

MixSS Reception

Wednesday March 19th, 2025

Reception: 6:00-7:30 pm

Celebration Room 1, Hyatt Regency

Monday March 17th, 2025

Mentoring Event: 7:45-9:00 pm

Regency Ballroom T, Hyatt Regency

Have a topic you'd like to see endorsed by the Mix SS in the future?

[Submit your ideas HERE](#)

S*T MARCH 16-20
ORLANDO

2025 SOT Award Winners



Jane Ellen Simmons Travel Award Winner:
**Jennifer Thies, University of North Carolina
Chapel Hill**

Essential oil vape aerosols induce
inflammation and alter estrogen receptor
expression in human respiratory epithelial cells



Student Award Winner:
**Marc Rodriguez, University of North Carolina
Chapel Hill**

Sex Specific Effects of Wood Smoke Condensate
Exposure on Cytokine Profiles and Transcriptional
Pathways in Primary Human Bronchial Epithelial
Cells

**Postdoc Award Winner: Lucie Ford,
Texas A&M University**

An Analytical-In Vitro Workflow to
Characterize Uptake and Toxicity of Defined
PFAS Mixtures



Top Overall Mixtures Abstracts for SOT 2025

Best Abstract: **Samantha Lapehn** (Seattle Children's Research Institute)

Abstract #3157; Development of an endocrine disrupting chemical associated multi-omicm RNA-microRNA network in the placenta:

2nd Place: **Erin Murray** (University of Rochester)

Abstract #4603; Novel psychosocial resource deprivation stress alters the neurotoxicity of low dose PFOA exposure during gestation in maternal postpartum brain and behavior

3rd Place: **Kyle Burns** (Oregon State University)

Abstract #4735; Investigating the response of human bronchial epithelial cells to polycyclic aromatic hydrocarbons from wildfire smoke in the presence and absence of THP-1 macrophages

3rd Place: **Samuel Caito** (Husson University School of Pharmacy)

Abstract #3333; Synergistic Neurotoxic Effects of Methylmercury and Per-and Polyfluoroalkyl Substances (PFAS) in *Caenorhabditis elegans*

5th Place: **Tara Sabo-Atwood** (University of South Carolina)

Abstract #2028; Two Sides to Every Story: The Toxicity of Dyed Microplastic Fibers to the Pulmonary System

2024-2025 Officers



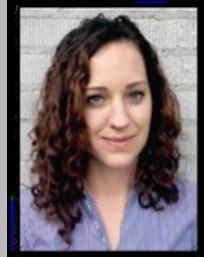
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Esra Mutlu



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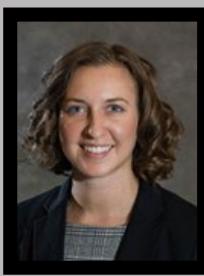
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Christopher D.
Kassotis



Junior Councilor
Rachel Dee



Postdoctoral Rep
Thomas Jackson



Graduate Student Rep
Samantha Heldman

Results of Mixtures Election Announcing 2025 Officers:

Thank you for
voting!

- Vice President-Elect
Justin Conley
- Secretary/Treasurer
Christopher Kassotis
- Junior Councilor
Kristin Eccles
- Postdoctoral Representative
Paul Deford
- Graduate Student Representative
Olga Skende



MIXTURES

SPECIALITY SECTION

Please consider donating to the Mixtures SS so that we can continue to offer exciting events and awards!

Email: SOTmixSS@gmail.com

[Donate Here](#)

Are you on LinkedIn? Now we are too! Connect with the Mixtures Specialty Section on LinkedIn to stay up to date on Specialty Section announcements, SOT Annual Meeting deadlines, and upcoming webinars.

[Find the MixSS LinkedIn Page HERE](#)

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See you in Orlando!

