

SOT STUDENT E-LETTER



Spring 2024 Edition PUBLISHED BY THE GRADUATE STUDENT LEADERSHIP COMMITTEE (GSLC)

INSIDE THIS ISSUE



Letter from the Chair	1
2024 Annual Meeting App and Online Planner	2
Graduate Student Events	3
Trainee Discussions	4
GSLC Communications Update	5
Student Membership	6
Featured Scientific Sessions	6
The GSLC Community	8

This edition of the SOT Student e-Letter is created by the GSLC Communications Subcommittee, with special assistance from Taylor Hoxie, Thomas Peterson, Beck Kim, Yanira Baldovinos, David Umbaugh, and Rachel Renda.

Letter from the GSLC Chair

Welcome to the Spring 2024 SOT Graduate Student Leadership Committee (GSLC) Newsletter! Tolstoy captured the spring sentiment perfectly when he penned the line “Spring is the time of plans and projects.” The SOT Annual Meeting is a great opportunity to jumpstart your own spring plans and projects—scientific and otherwise.

GSLC sponsors a variety of events at the Annual Meeting to enrich graduate student engagement with the scientific programming and facilitate networking, connection, and mentorship opportunities. In this edition, you will find information on Symposium Sessions GSLC endorsed that showcase graduate student research. The dates and times for key events like the Graduate Student and Postdoc mixer and Trainee Poster Tours are provided. We highlight many of the mentoring lunches and the GSLC Chat with an Expert program to help graduate students explore career options. Beyond the Annual Meeting, this Newsletter also describes ongoing GSLC programming including webinars organized by GSLC’s Professional Development Subcommittee. Refer to your email for a full list of all mentoring events at SOT. We hope this newsletter provides valuable information to help our graduate student community make the most out of the Annual Meeting experience.

-Greylin Nielsen
Chair, Graduate Student Leadership Committee (2023–2024)



63RD ANNUAL MEETING
& ToxExpo • March 10–14, 2024
SALT LAKE CITY, UTAH

Utilize the App!

Download the SOT event app and see instructions [here](#).
You can log in with your SOT credentials!

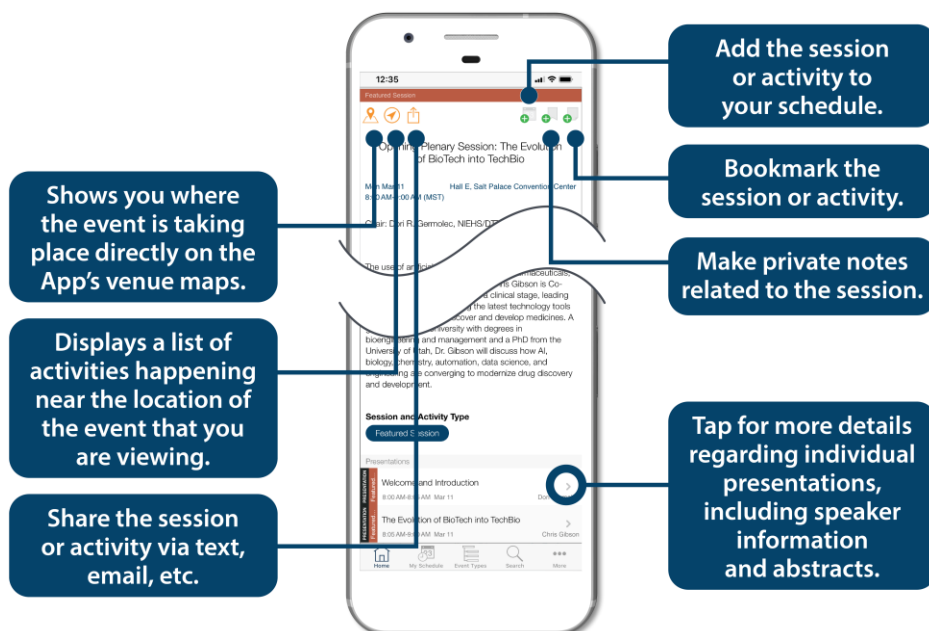
View the meeting program: Contains the most up-to-date schedule of sessions and activities planned for the 2024 SOT Annual Meeting and ToxExpo. It provides full access to abstracts, presentation titles, and more.

Build a custom schedule: Add sessions to your schedule, bookmark presentations of interest, and more.

View on-demand recordings: On-demand recordings of the Featured and Scientific Sessions are available exclusively for meeting registrants through the SOT Event App and Online Planner. Just look for the “View Recording” button in the session description area within 24 hours of a session’s conclusion.

View the attendee list: This app has the full list of meeting attendees. Message colleagues via the Messaging feature.

Get directions and room locations: The App’s Route Me feature provides directions on how to get from one meeting room to another. You also can view every event’s location directly on the venue maps within the App.



You can also preplan with the **Online Planner**! Changes you make online will sync with your login on the app!

Graduate Student Activities & Events

Note these events on your SOT Event App or Online Planner.

Student and Postdoc Mixer

Sunday, March 10, 7:30-9:00 pm, Room 355, Salt Palace Convention Center

This is an opportunity for all students and postdoctoral scholars to gather, meet new colleagues, and reestablish relationships in an informal atmosphere at the beginning of the meeting. Learn about being involved in SOT, recognize the recipients of the GSLC Outstanding Graduate Student Leadership Award, and enjoy complimentary refreshments and a cash bar with other students and postdocs! Sign-up may be completed at no cost by registering for the mixer as part of your Annual Meeting registration. A meeting badge is required to attend.

SOT Mentoring Breakfast

Monday, March 11, 6:15-7:45 am, Room 255 D, Salt Palace Convention Center

This event is designed for SOT members from graduate students through established career toxicologists. SOT recognizes that mentoring is important at all career stages and has implemented a year-round program for mentors and mentees to develop fruitful and long-lasting connections through the SOT Mentor Match Program. During this breakfast, the SOT Education and Career Development Committee is providing an opportunity for mentees and mentors matched through the online Mentor Match Program to meet in person and to meet other interested members to discuss foundational topics pertaining to academia (publishing, grant writing, job search), industry (tips for career transitions), or career development (managing conflicts, burnout, DEI). SOT members who are interested in learning more about mentoring or being mentored through the SOT Mentor Match Program also are invited to attend and network with participants. **A separate registration is required to attend. Registration is limited and is accepted on a first-come, first-served basis.**

Trainee Discussion with Plenary Session Speaker Chris Gibson

Monday, March 11, 9:30-10:30 am, Room 151 D, Salt Palace Convention Center

Chris Gibson will meet informally for discussion with graduate students and postdoctoral scholars after the Plenary Session. Participation is limited to SOT Student and Postdoctoral members; you can register when registering for the SOT Annual Meeting and ToxExpo or by adding the event to your registration later. Visit the [SOT Annual Meeting website](#) for more information.

Tox ShowDown

Tuesday, March 12, 7:30-9:00 pm, Regency Ballroom A, Hyatt Regency

This is the twelfth year of the Tox ShowDown, the world's greatest (only?) toxicological quiz game. Three teams of three contestants each—the Endocrine Disruptors, the Free Radicals, and the Toxic Metabolites—battle each other to answer questions wholly, partially, or tangentially related to toxicology. Topics cover the gamut, including the role of toxicology in history, current events, arts, culture, society, and even occasionally science. This event has everything ... ridiculous questions, rules that barely make sense, spirited team competition, audience participation, and a judge! It is a great opportunity to see how many questions you can answer correctly, while enjoying a hearty belly laugh.

Social Media

Share your experiences of the SOT 2024 meeting on social media. Use **#2024SOT**, **#ToxExpo** or tag **@SOToxicology** on Instagram, Facebook, LinkedIn, or X. SOT may feature your posts!

Trainee Discussions

Bookmark these events on your SOT Event App or Online Planner!

Chat with an Expert

Network informally with well-established toxicologists while obtaining career advice and meeting new colleagues. This is a fantastic opportunity to learn more about careers across all sectors including academia, consulting, government, industry, and non-profit organizations. Students are matched with experts before each annual meeting. Each expert will reach out to graduate students and arrange a time to meet during the annual meeting. If you missed your chance to participate this year, keep an eye out for our next meeting in Orlando, Florida.

***In Vitro* Toxicology Lecture and Luncheon for Students: ToxAIcology—AI Will Only Replace Toxicologists Who Do Not Use It!**

Monday March 11, 12:00-1:30 PM

The goal of the *In Vitro* Toxicology Lecture series is to feature important research using *in vitro* and alternative techniques to study basic mechanisms and to develop test methods aimed at replacing animal use whenever feasible. Undergraduate students, graduate students, postdoctoral scholars, and recipients of Colgate-Palmolive awards are among the guests at this event.

Research Funding Insights: Network with Grant Program Officers

Monday March 11, Tuesday March 12, and Wednesday March 13, 9:30 AM-3:00 PM

Representatives from federal agencies will be available in the Research Funding Insights Room to answer general grant-related questions. To make an appointment with a program officer check the posted information in the Research Funding Insights Room to schedule with a staff member who can discuss aspects of scientific review or specific grant opportunities. New investigators are especially encouraged to meet with program staff.

Postdoctoral Assembly Luncheon

Tuesday March 12, 12:00-1:00 PM

This ticketed event encourages networking and engagement among postdoctoral scholars. Stop in when you can to enjoy a buffet lunch with your fellow postdocs as well as SOT Council members. There is a short program at 12:15 pm to recognize the Best Postdoctoral Publication Award recipients and the Postdoctoral Assembly Officers and announce the raffle winners.

Career Exploration Through Speed Informational Interviews

Tuesday March 12, 1:30-2:50 PM

The PDA Career Exploration special event is designed for graduate students and postdocs who want to gain insight into different career paths in toxicology. Trainees join breakout group discussions with career representatives from academia, government, industry, non-profit and other careers. Trainees can ask the career representatives questions about their background, their career path, the hiring process in their company/sector, and other aspects of identifying and pursuing career interests. Graduate students and postdocs are encouraged to register early, as registration will be limited to maximize the opportunity for small-group discussion with career representatives. Be sure to register for the career exploration on the Annual Meeting Registration Form.

Poster Tours for Trainees

Pre-registration Required

Graduate students and postdoctoral scientists can participate in a one-hour guided poster tour with an expert toxicologist. Tours provide an opportunity to shadow an expert toxicologist and take part in critical evaluation of cutting-edge toxicology methods and research findings. An outstanding mentoring and networking opportunity for guides, postdoctoral scientists, and graduate students.

GSLC Communications Update

Blogs

Keep up with what's going on! As an SOT student member, you have access to news, articles, and important announcements. Bookmark the [SOT Blogs page](#) on your browser and check in often to stay informed. Check out past blogs published such as "[SOT Mentor Match: An Invaluable Tool for Professional and Scientific Success](#)" and "[New Toxicology Learning Resources](#)".

Webinars and other Events

"Interview with an Expert" podcast series and other webinars can be found under the "Graduate Student-Focused Webinars" tab on the [SOT Webinars Page](#). Trainee opportunities abound year-round, including SOT Regional Chapter, Special Interest Group, and Specialty Section events. Find up-to-date event information at the [SOT Calendar of Events](#).

Professional Development Subcommittee Webinars

The Professional Development Subcommittee hosted a webinar dedicated to networking and conference etiquette, with special help from Dr. Shaun McCullough (RTI International) and Dr. Marie Fortin (Jazz Pharma) on February 22nd this year! The webinar titled "How to Network Effectively: Establishing Connections In Person in an Online World" aimed to notify trainees on capitalizing opportunities SOT offers through its program and network. Our speakers shared valuable information for the upcoming SOT ToxExpo, such as bringing a stack of business cards, having a pen on hand, dressing for success, and more! A great time was had by all, and some new connections were made. Drs. McCullough and Fortin provided a variety of action items that could help get everyone ready for SOT, including ways to [spread the word](#) on attending the conference in our networks. You can learn more about this webinar through the [SOT website](#). Stay tuned for future events this year!

Graduate Student Resources

Take advantage of your student membership! Find opportunities for awards, leadership, volunteer work, and training support at the [SOT Graduate Student Membership page](#).

Student Membership Information

Not a member? [Apply today!](#) Already a student member of SOT? Then [renew your dues online.](#)

As a student member you will gain access to ToXchange, the [SOT Online Job Bank](#), and student awards. You will be a part of a larger community of scientists and gain eligibility for student leadership positions and open the door for new research collaborations. It also is a great way to network with future employers!

Annual Meeting 2024 Featured Scientific Sessions

Opening Plenary Session

The Evolution of BioTech into TechBio

Monday, March 11, 8:00 am-9:00 am

Speaker: *Chris Gibson, PhD, Recursion*

Featured Session

InTOXicating Science Talks

Monday, March 11, 9:15 am-10:15 am

Speakers: *Faria Khan, Harvard T.H. Chan School of Public Health; James Luyendyk, Michigan State University*

Distinguished Toxicology Scholar Award Lecture

Neurotoxicity and Neuroinflammation Profiles in Animal Models: A Brief Review of Some Unexpected Response Modifiers of Likely Relevance to Toxicology

Monday, March 11, 11:00 am-12:00 pm

Speaker: *James O'Callaghan, National Institute of Occupational Safety and Health (NIOSH)*

In Vitro Toxicology Lecture and Luncheon for Students

ToxAIcology—AI Will Only Replace Toxicologists Who Do Not Use It!

Monday, March 11, 12:00 pm-1:30 pm

Speaker: *Thomas Hartung, Johns Hopkins University Bloomberg School of Public Health*

SOT/EUROTOX Debate

Can the Microbiome Mediate the Toxicity of Environmental Chemicals?

Monday, March 11, 4:45 pm-6:15 pm

SOT Debater: *Tamara Tal, Helmholtz Centre for Environmental Research*

EUROTOX Debater: *Karsten Beekmann, Wageningen University*

Leading Edge in Basic Science Award Lecture

Roles of NRF2-KEAP1 in Environmental Response: Continuing the Legacy of Dr. Yamamoto

Tuesday, March 12, 11:00 am-12:00 pm

Speaker: *Donna Zhang, Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology*

SOT/EUROTOX Roundtable

Is Mixture Risk Assessment Now Established Regulatory Practice?

Tuesday, March 12, 1:00 pm-2:30 pm

Speakers: *Cynthia Rider, NIEHS; Martin Wilks, University of Basel; Matthias Herzler, European Food Safety Authority; Maureen Gwinn, US EPA; Joanna Matheson, US Consumer Product Safety Commission; Heather Wallace, University of Aberdeen and EUROTOX*

Translational Impact Award Lecture

Approaches for Treatment of Nerve Agent Poisoning: From Experimental Laboratories to Intensive Care Units

Tuesday, March 12, 1:00 pm-2:00 pm

Speaker: *Horst Thiermann, Bundeswehr Institute of Pharmacology and Toxicology*

American Academy of Clinical Toxicology Symposium

Battling Mistrust and Alternative Facts to Communicate Science Effectively

Tuesday, March 12, 3:00 pm-4:30 pm

Speakers: *Edward Cetaruk, University of Colorado Anschutz Medical Campus; Dayne Laskey, University of Saint Joseph*

Merit Award Lecture

Are Humans REALLY Just Big Rats and Mice? A Tale of Three “Toxins”

Tuesday, March 12, 3:00 pm-4:00 pm

Speaker: *David Eaton, University of Washington*

Featured Session

Hot Topic Session: Translational Insights into Reproductive Impacts of Micro- and Nanoplastics Contamination

Tuesday, March 12, 4:45 pm-6:15 pm

Speakers: *Matthew Campen, University of New Mexico; Beizhan Yan, Columbia University; Phoebe Stapleton, Rutgers; Kjersti Aagaard Baylor, College of Medicine; Xiaozhong Yu, University of New Mexico*

GSLC Endorsed Symposium

The “Cocktail Effect: Studying the Greatest Uncontrolled Experiment Ever Launched!”

Wednesday, March 13, 8:00 am-10:45 am

Chairs: *Jamie Young, University of Louisville, Jennifer Schlezinger, Boston University of Public Health*

Featured Session

Society of Toxicology and Japanese Society of Toxicology Symposium: Exosome and Its Related Studies

Wednesday, March 13, 8:00 am-10:45 am

Presenters: *Takahiro Ochiya, Tokyo Medical University; Anumantha Kanthasamy, University of Georgia; Ryuichi Ono, National Institute of Health Sciences; Irfan Rahman, University of Rochester Medical Center*

EUROTOX Award Lecture

Opioid-Related Toxicity: From Respiratory Depression to the Overdose Epidemic

Wednesday, March 13, 11:00 am-12:00 pm

Speaker: *Bruno Mégarbane, Université Paris Cité*

Plenary Keynote Medical Research Council (MRC) Lecture

Drug Safety Pharmacogenomics—Moving from Discovery to Implementation

Wednesday, March 13, 12:30 pm-1:30 pm

Speaker: *Sir Munir Pirmohamed, University of Liverpool*

Hot Topic Session

Where the Rubber Meets the Road: Impact of Tire Wear Particles on the Environment and Human Health

Thursday, March 14, 8:30 am-11:15 am

Speakers: *David Leuthold, Helmholtz Centre for Environmental Research; Zhenyu Tian, Northeastern University; Susanne Brander, Oregon State University; Karilyn Sant, San Diego State University; Annette Guiseppi-Elie, US EPA*

The GSLC Community

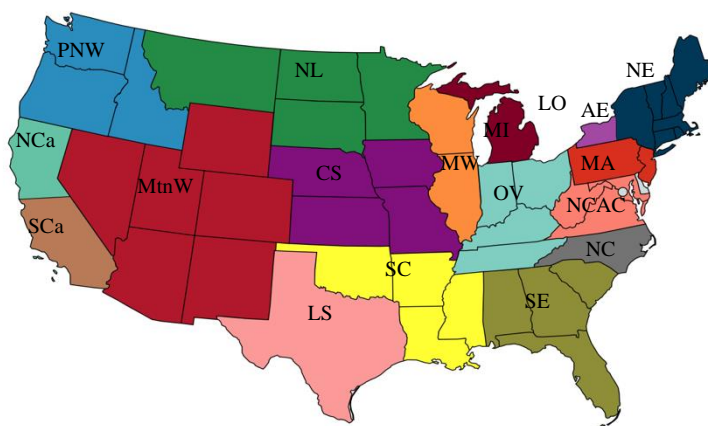
ABOUT THE GSLC

Each Regional Chapter (RC), Special Interest Group (SIG), and Specialty Section (SS) elects one graduate student member to represent their group in the GSLC. The GSLC *Executive Board* oversees the Committee. The committee includes 3 subcommittees: Communications, Professional Development, and Programming. The GSLC was created to provide student leadership at the SOT organization-wide level. Our job is to address the needs of students in the Society and to promote student participation and membership. If you are interested in learning more about the GSLC, please visit us at the [graduate student page](#) on the SOT website.

Regional and Specialty Groups

Become Involved in Your Regional Chapter (RC)

There are 18 RCs within the SOT whose purpose is to foster scientific exchange at the local level. These chapters sponsor regional meetings throughout the year that offer exceptional scientific programs, renowned speakers, and opportunities for student involvement in poster and seminar sessions. Additionally, RCs provide an invaluable tool to network with individuals who have careers in academia, government, and industry positions within those specific regions of the United States. Also be sure check out the [poster, seminar, and travel awards](#) that are given annually to dedicated and gifted student regional members!



Participate In Specialty Sections (SS)

There are 29 SSs within the SOT designed to bring together scientists of similar interests, expertise, and experience. The SSs are primary sponsors of many of the programmatic sessions during the SOT Annual Meeting. Students are encouraged to join a SS because such groups provide students with opportunities for future employment and collaborations, as well as providing a platform for students to suggest scientific sessions and symposia for the Annual Meeting. The SSs encourage student involvement by providing funds for competitive student travel awards and best abstract awards that recognize their accomplishments. Learn more by [visiting their homepage](#).

Participate In Special Interest Groups (SIGs)

SOT has established 8 SIGs to promote the recruitment of toxicologists who share a common interest in toxicological research. The goals of these 8 groups are to develop and conduct programs and opportunities that promote career development and recognize accomplishments of the toxicologists in each SIG. Learn more about the workshops, seminars, and student awards by [visiting their homepage](#).