Risk Assessment Specialty Section of the Society of Toxicology

President's Message

Dear Fellow RASS Colleagues:

With the Annual Meeting just right around the corner, we are delighted to share important information in this special newsletter edition, designed to prepare you for the upcoming annual reception. Mark your calendars for Monday, March 11, from 6:00 to 7:30 PM Mountain Time, at the Hyatt Regency Ballroom B in Salt Lake City!

Over the years, you have expressed a desire for more networking opportunities and time to reconnect with other RASS members at the reception. Thanks to the SOT's flexibility, we successfully moved our business meeting online on February 12, 2024, allowing us to free up more time at the reception for you to connect with each other. A big thank you to members who joined the virtual business meeting. For those unable to attend, rest assured that this newsletter covers all pertinent information to keep you informed.

You will read about our general financial and Endowment Fund status, as well as the results of student awards, best abstract awards, and best paper awards. We invite you to join us in celebrating these deserving, award winners at the reception, with the award ceremony scheduled to commence promptly at 7:00 pm. Several award winners will bring their posters to the reception. Don't miss this chance to interact with our talented award recipients and learn about their groundbreaking research between 6:40-7:00 PM.

We are excited to announce the newly elected officers! Join us in congratulating and welcoming Kan, Melissa, and Chi-Yun. Additionally, let us express our heartfelt thanks and bid farewell to our outgoing officers, Daniele, Kim, and Anna. RASS has greatly benefited from their dedication and hard work over the past 2 to 4 years!

Looking forward to seeing everyone in Salt Lake City!

Warm regards,
Cecilia Tan, PhD, MS, MBA
RASS President, 2023-2024

Cecilia Tan,
RASS President

2024-2025 RASS OFFICER ELECTION RESULTS

Thank you to everyone who volunteered to run for an officer position and for casting your ballot. Based on the results of the recent election for RASS officers, the incoming officers for 2024-2025 are:
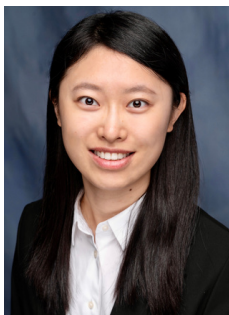
Vice President-Elect

Kan Shao
Indiana University

Councilor

Melissa Heintz
ToxStrategies, Inc.

Postdoc Rep

Chi-Yun Chen
University of Florida

OUTGOING RASS OFFICERS - THANK YOU FOR YOUR SERVICE!

Past President

Danielle Wikoff
ToxStrategies, Inc.

Councilor

Kim Zaccaria
SRC, Inc.

Postdoc Rep

Anna Kreutz
Inotiv

JOIN THE RASS EXECUTIVE COMMITTEE!

- Openings on the 2025 Ballot
  - Vice President-Elect (4 years)
  - Secretary-Treasurer (2 years)
  - Councilor (2 years)
  - Graduate Student Representative (2 years)
- Eligibility: Open to all RASS members
- Roles & responsibilities of different positions can be found on the RASS website.
- Please submit your nomination to sotrassawards@gmail.com before November 8, 2024

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RASS ENDOWMENT FUNDS

RASS has five Endowment Fund-supported awards for students and postdocs: The John Doull Risk Assessment Endowment Award, The Perry J. Gehring Risk Assessment Student and Postdoctoral Endowment Awards, The Robert J. Rubin Student Travel Award, and the Andersen-Clewell Trainee Award. We encourage our members to contribute to our Endowment Funds as they provide stipends to graduate student and postdoc members who display excellence in Risk Assessment.

Our goal in the next year is to increase each fund by at least $2,000 ($8,000 in total). With your help, the annual RASS merit-based Endowment Fund awards will continue to increase each year. Please help us meet this goal and continue to support the next generation of toxicologists. Please visit the SOT website to see current contributors and learn more about the Endowments.

2023 Financial Overview SOT/RASS Endowment Funds (through 3rd Quarter)

Endowment Fund	Joint	Assets Dec 2022	Assets Sept 2023	Investment Gains/Losses/ Withdrawals	%
John Doull Student Award	RASS only	$60,280	$57,869	-$2,411	-4
Perry J. Gehring Risk Assessment	RASS only	$57,376	$55,876	-$1,500	-3
Robert J. Rubin Student Travel Award	MechSS	$58,401	$56,901	-$1,500	-3
Andersen-Clewell Trainee Award	BMSS	$66,302	$65,002	-$1,300	-2
Total in RASS Endowment Funds	-	$242,359	$235,648	-$6,711	-3

Give Now to Support the Future of Toxicology

SOT | Society of Toxicology
ENDOWMENT
Investing in the Future...

Donate Online »

Download Donation Form

When you donate, you are supporting the future generation of toxicologists!

Click here to donate.

All you need to do is select RASS funds! It's that easy!

Thank You!

RASS would like to thank the 2023-2024 Endowment Funds Committee

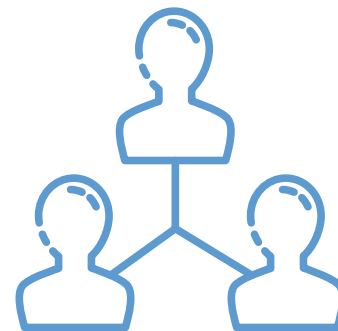Laura Plunkett   Bernard Gadagbui   Anne Loccisano   David Szabo   Tami McMullin

RASS FINANCIAL STATUS

- Dues-paying members: 710 (as of Feb 2024)
- Financials:
    - Net assets as of December 2022: $85,092
    - Net assets as of December 2023: $82,516
        - Expenses not yet paid
            - Plaques and ribbons $700 (estimated costs)
            - Catering and costs for the mixer $14,300 (estimated costs)
            - Contribution to activities $1000 (estimated costs)

RASS now offers the opportunity for several levels of sponsorship

Sponsorship Level*	Amount	Potential Sponsorship Recognition
Leadership	$5000	RASS newsletter, RASS business meeting, RASS annual reception, RASS LinkedIn
Mentoring	$1000	RASS newsletter, RASS business meeting, RASS mentoring events, RASS LinkedIn
Education	$500	RASS newsletter, RASS annual reception, RASS LinkedIn
Visibility	$100	RASS newsletter, RASS annual reception
Networking	<$100	RASS annual reception

Note: All of the sponsorship levels listed above will be listed as unrestricted funds and all funds received will be used to generally support RASS.

RISK ASSESSMENT SYLLABUS

The Society of Toxicology RASS leadership committee has continued the development of a dedicated "Risk Assessment Syllabus," that was initiated in 2022. This training series complements the existing RASS webinar series and other RASS-related mentoring initiatives. The objective of this syllabus is to provide participants with an introduction to the fundamental concepts and terminology associated with chemical risk assessment, as well as a practical perspective on the application of risk assessment principles to inform decision making.

RASS is utilizing a web-based format to maximize attendance, but combining webcasts with local in-person events may be considered for future training events. The last webinar was on August 3, 2023, with the title of "Basics of Exposure Assessment" with over 100 attendees. You can access the presentation and the webinar recording online. RASS is currently seeking experts in any of the disciplines associated with chemical risk assessment to consider volunteering to participate as panelists and share their experiences and perspectives in one of the open discussions. In addition, we would like to use this opportunity to collect feedback on additional input and suggestions from the RASS.

RASS Syllabus Planning Committee: George Woodall, RASS Past President 2018-2019; Nathan Pechacek, RASS Secretary-Treasurer 2019-2021; Laura M. Plunkett, RASS Past President 2022-2023; Li Yang, RASS Councilor 2020-2022; Daniele Wikoff, RASS Past President (current); Sarah Burnett, RASS Councilor (current)

RASS WEBINAR SERIES

RASS webinars are held from Fall through Spring, generally on the second Wednesday of each month. If you cannot participate in any of the live RASS webinars, links to the past webinar slides and recordings are available on the RASS website. Information on both upcoming and recordings of past webinars are on our events page.

Below are the recent and upcoming webinars in the 2023-2024 series.

May 8, 2024
Interindividual Variability Assessments through Benchmark Dose-Response Modeling of Primary Human Bronchial Epithelial-Fibroblast Co-Culture Responses to Acrolein
Elise Hickman (2023 RASS-BMSS Joint Anderson-Clewell Trainee Award Winner) and Julia Rager
University of North Carolina at Chapel Hill

April 10, 2024
Hazard Characterization and Grouping of PFAS using a Compendium of Human Cell Lines from Different Organs
Lucie Ford (2023 John Doull Risk Assessment Endowment Graduate Student Award Winner)
Texas A&M University

February 14, 2024 - Joint Webinar with The International Society of Exposure Science (See Recording)
Innovations in Exposure and Mixture Assessment Approaches

"Using Biomonitoring Data to Infer Chemical Exposures and Inform High-Throughput Exposure Predictions"
Zach Stanfield, PhD
US Environmental Protection Agency

"GeoTox and RGCA: Developing Extensible Software for Geospatial Exposure and Risk Assessment of Chemical Mixtures"
Kyle P. Messier, PhD
National Institute of Environmental Health Sciences

January 10, 2024 - Joint Webinar with Mixtures Specialty Section (See Recording)
Advancing the Science of PFAS Mixtures Assessment
Jason C. Lambert
Office of Research and Development, US EPA

December 13, 2023 - Joint Webinar with The Biological Modeling Specialty Section and The American Association of Chinese in Toxicology (See Recording)
Integrating machine learning and quantitative structure activity relationship (QSAR) modeling approaches to develop artificial intelligence (AI)-assisted interactive physiologically based pharmacokinetic (iPBPK) modeling web dashboard
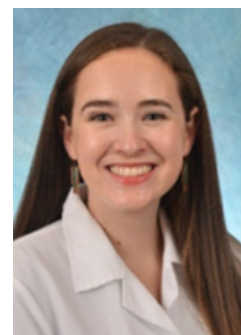Zhoumeng Lin, PhD
Wei-Chun Chou, PhD
University of Florida

RASS would like to extend a HUGE thank you to **Annie Jarabek** for her continued leadership in coordination and facilitation of the RASS Webinar Series.

Please share your ideas on the topics for the RASS Webinar Series.

TRAINEE SPOTLIGHT

Elise Hickman: 2023 Anderson-Clewell Travel Awardee
University of North Carolina at Chapel Hill; Advisor: Dr. Julia E. Rager

Why did you choose to study/pursue research in the field of toxicology/ risk assessment?

I chose to pursue toxicology because I love how it applies biology and chemistry to positively impact public health and the environment. There are so many different questions that can be pursued and a wide variety of experimental models and methods, making it a very engaging field to be a part of.

How does your research support risk assessment?

The project that I won this award for was focused on interindividual variability in responses of respiratory epithelial cells to toxicant exposure, and we hope to publish that project soon. I plan to continue focusing on respiratory toxicology, with upcoming projects focused on mechanisms of susceptibility to wildfire smoke in asthmatics (including interindividual variability assessment) and characterization of extracellular vesicles as key mediators of respiratory responses to inhaled exposures.

What do you like to do outside of work?

I am an avid skier, kayaker, hiker, and visitor of national parks. I also love to read and recently decided that I am going to read a novel written by an author from every country in the world!

What challenges do you see the area of risk assessment facing in the near future?

I see both the increasing number of -omics datasets and need for assessment of complex mixtures as opportunities for really interesting research but also as huge challenges in risk assessment. Additionally, I'm interested in seeing how the field of risk assessment addresses emerging contaminants such as microplastics.

How should SOT attract future graduate students and postdocs into the field of risk assessment?

I think the first step is introducing the concept to people much earlier. It wasn't until my first year as a PhD student that I had any real familiarity with risk assessment. It's also important to demonstrate the value of the field with clear examples of good done by proper utilization of risk assessment. It can be difficult to motivate someone when they can only see their contributions in the abstract, but show them a narrowly avoided train disaster or a superfund site before and after intervention, and then you'll have their attention!

Haley Moyer: 2023 Perry J .Gehring Best Graduate Student Abstract Awardee
Texas A&M University; Advisor: Dr. Ivan Rusyn

Why did you choose to study/pursue research in the field of toxicology/ risk assessment?

I saw the way that toxicology was able to impact our everyday lives. The toxicologists that I met showed me how important the work that they were doing was for a lot of people.

How does your research support risk assessment?

My research focuses on how we may reduce the need for animal models by using New Approach Methods focused on *in vitro* Organ-on-Chip models. By studying these technologies, I am able to contribute to the available data and increase confidence in the resulting data.

What do you like to do outside of work?

I enjoy hiking, walking my dog, and reading! I love to travel and am always interested in finding local coffee shops in town!

What challenges do you see the area of risk assessment facing in the near future?

I think that there is and will continue to be challenges with trusting data coming from "New Approach" methods. That's another reason why working with tissue chips, especially different types is so interesting and important.

If you would like to be the next trainee in the spotlight, please email the RASS executive committee.

SOT 63RD ANNUAL MEETING & TOXEXPO
SALT LAKE CITY, UTAH • MARCH 10–14, 2024

Congratulations to RASS Members Receiving 2024 SOT Awards

Arnold J. Lehman Award

Scott S. Auerbach, PhD, DABT
NIEHS/NTP, Research Triangle Park, NC

Founders Award (for Outstanding Leadership in Toxicology)

Samuel M. Cohen, MD, PhD, ATS, DABP, IATP
University of Nebraska Medical Center, Omaha, NE

Toxicologist Mentoring Award

Robert Roy, PhD, DABT, ATS
Northland Toxicology Consultants LLC, Chanhassen, MN

Colgate-Palmolive Postdoctoral Fellowship Award in *In Vitro* Toxicology

Erin A. Huber, PhD
RTI International, Durham, NC

2024 STUDENT AND POSTDOCTORAL AWARDS

RASS Trainee Awards include the John Doull Risk Assessment Endowment Awards and Perry J. Gehring Best Abstract Risk Assessment Endowment Awards. Joint awards with other Specialty Sections include the Anderson-Clewell Trainee Award (with the Biological Modeling Specialty Section) and Robert J. Rubin Student Travel Award (with the Mechanisms Specialty Section).

The applications were scored by volunteers in four categories:
1. Application to risk assessment
2. Quality and significance of the research project
3. Scientific quality of the abstract
4. Significance of the findings described in the abstract

This year's applications included:
- John Doull Risk Assessment Endowment Award: **12**
  - **10** Graduate Student Applications; **2** Postdoctoral Applications
- Perry J. Gehring Best Abstract Risk Assessment Endowment Award: **11**
  - **10** Graduate Student Applications; Postdoctoral Applications: **1**
- RASS-BMSS joint Andersen-Clewell Trainee Award: **9**
- RASS-MechSS joint Robert J. Rubin Student Travel Award: **9**

2024 RASS AWARDS

2024 STUDENT AND POSTDOCTORAL AWARD WINNERS

John Doull Risk Assessment Awards

Juliana Agudelo   *Erin Huber*

Graduate Student Awardee:
Juliana Agudelo, *University of Rhode Island*
Evaluation of Legacy and Replacement Per- and Polyfluoroalkyl Substances (PFAS) in Human Livers Banked over the Past 20 Years. Abstract 4092. P625. PFAS II.

Postdoctoral Student Awardee:
Erin Huber, *RTI International*
Common Liquid Application Dosing Conditions Alter Toxicity Testing Endpoints in Air-Liquid Interface Primary Human Bronchial Epithelial Cultures. Abstract 4182. P731. New Approach Methods *In Vitro* I.

Perry J. Gehring Best Abstract Awards

En-Hsuan Lu   *Paul Kruse*

Graduate Student Awardee:
En-Hsuan Lu, *Texas A&M University*
Involving Probabilistic Risk Assessment of Superfund Priority Chemicals using Bayesian Benchmark Dose Modeling and New Approach Methodologies for Human Population Variability. Abstract 3053. P155. Risk Assessment I.

Postdoctoral Student Awardee
Paul Kruse, *US EPA ORISE Fellow*
A Chemoinformatics Workflow for Higher-Throughput Modeling of Chemical Exposures from Biosolids. Abstract 4397. P184. Computational Toxicology II.

RASS-MechSS Robert J. Rubin Awards*

Luiz Paulo de Aguiar Marciano   *Disha Gupta*

Luiz Paulo de Aguiar Marciano, *Federal University of Alfenas-MG Brazil*
Risk Assessment of Exposure to Triazole Fungicides by Human Biomonitoring and Mechanistic Data. Abstract 3325. P448. Human Exposure Assessment/Biomonitoring.

Disha Gupta, *Rutgers University*
Exposure of Humans to Environmentally Relevant CO_2 Results in NADPH Oxidase Activation and Increased Oxygen Consumption in PMNs. Abstract 3990. P523. Air Pollution Toxicology.

RASS-BMSS Anderson-Clewell Award

Srijit Seal

Srijit Seal, *University of Cambridge*
Insights into Drug Cardiotoxicity from Biological and Chemical Data: The First Public Classifiers for FDA DICTrank. Abstract 4355. P140. Computational Toxicology I.

*Rubin Awards will be presented at the Mechanisms Specialty Section Reception on Tuesday, 6:00 - 7:30 PM in Hyatt Regency Ballroom D

2024 BEST ABSTRACT AWARD

The initial pool of 283 abstracts included all abstracts with "risk assessment" as a keyword or category. This list was refined to 28 abstracts by the RASS Executive Committee based on relevance to risk assessment and significance of the work

The abstracts were blinded and scored by volunteers in four categories:
1. Application to risk assessment
2. Scientific significance of the research/project focus
3. Quality of the abstract
4. Significance of the findings described in the abstract

BEST ABSTRACT WINNER

N. Tahir, et al. *Characterization of Human Variability in Cellular Stress Response Transcriptomic Perturbations Upon Chemical Exposure in PBMCs*. **Abstract 3643. P144. Risk Assessment III. (Presenter Marije Niemeijer, Leiden University)**

TOP 9 ABSTRACTS

- O. Cohen and D. Doron. *Risk Assessment of Primary and Secondary Leachables in Ophthalmic Drugs: Three Case Studies.* Abstract 3061. P163. Risk Assessment I. (Presenter **Dvir Doron**, Teva Pharmaceutical Industries Ltd)
- **En-Hsuan Lu** et al., Texas A&M University. *Involving Probabilistic Risk Assessment of Superfund Priority Chemicals using Bayesian Benchmark Dose Modeling and New Approach Methodologies for Human Population Variability.* Abstract 3053. P155. Risk Assessment I.
- **Michael DeVito** et al., US EPA. *The 2022 WHO Reevaluation of Human and Mammalian Toxic Equivalency Factors for Polychlorinated Dioxins, Dibenzofurans and Biphenyls.* Abstract 3626. P127. Risk Assessment II.
- **John Reichard**, Exploration Medical Capabilities Element (ExMC), NASA Johnson Space Center. *A Framework Approach for Evaluation of Potential Degradation of Active Pharmaceutical Ingredients for Long-Duration Spaceflight.* Abstract 3648. P149. Risk Assessment III.
- **Mao-Wen Wang** et al. Abbott Laboratories Medical Devices. *Establishing Clear Criteria to Identify and Classify CoC substances.* Abstract 3651. P152. Risk Assessment III.
- **Steven Boomhower** et al. Gradient and Havard University. *Evaluating the Potential for Reproductive Effects from Intermittent Lead Exposures Using Blood Lead Modeling Under Proposition 65.* Abstract 3054. P156. Risk Assessment I.
- I Lee et al. *Aggregate Exposure Analysis Shows that Exposure to Fragrance Ingredients in Consumer Products is Low: Many Orders of Magnitude Blow Thresholds of Concern.* Abstract 3328. P451. Human Exposure Assessment/Biomonitoring. (Presenter **Anne Marie Api**, RIFM)
- **Chi-Yun Chen** and Z. Lin, University of Florida. *A Physiologically Based Toxicokinetic Model for Assessing Oral Exposure to Microplastics and Nanoplastics in Mice and its Implications to Human Dietary Intake.* Abstract 4428. P216. Mathematical Modeling.
- P. Tomar et al. *Best Practice for Conducting Expert Review of Sensitisation Data and Predictions.* Abstract 4395. P182. Computational Toxicology II. (Presenter **Charles Modlin**, Lhasa Limited)

2024 BEST PAPER AWARDS

Criteria for eligibility:
- Paper must be either demonstrate application of risk assessment or advance the science of risk assessment
- Paper must be published during 2023
- At least one author must be an SOT member

Candidate papers were identified via 2 sources:
- Candidate papers were identified via 2 sources:
  - Nomination by RASS members by January 5, 2024
  - Risk assessment papers published in SOT's official journal, *Toxicological Sciences*
    - Searched by keywords: "risk assessment" or "safety assessment"
    - >130 papers were screened and categorized by Award Chair
- Combined: 12 nominations and 38 publications from *Toxicological Sciences*
- RASS Executive Committee reviewed and voted for the top 10 papers for each category

The top 10 papers in each category were scored by volunteers in the below categories:
- Relevance to risk assessment
- Novelty of research and/or application
- Significance research and/or application

Best Paper Advancing the Science of Risk Assessment

Addicks GC, Rowan-Carroll A, Reardon AJF, Leingartner K, Williams A, Meier MJ, Moffat I, Carrier R, Lorusso L, Wetmore BA, Yauk CL*, Atlas E*. Per- and polyfluoroalkyl substances (PFAS) in mixtures show additive effects on transcriptomic points of departure in human liver spheroids. Toxicol Sci. 2023 Jun 28;194(1):38-52. doi: 10.1093/toxsci/kfad044.   *Corresponding authors: Carole L. Yauk, University of Ottawa and Ella Atlas, Health Canada

Best Paper Demonstrating the Application of Risk Assessment

Wallace J, Jackson GR, Kaluzhny Y, Ayehunie S*, Lansley AB, Roper C, Hayden PJ. Evaluation of in vitro rat and human airway epithelial models for acute inhalation toxicity testing. Toxicol Sci. 2023 Jul 28;194(2):178-190. doi: 10.1093/toxsci/kfad058   *Corresponding author: Seyoum Ayehunie, MatTek Life Sciences

2025 RASS AWARDS

It's never too soon to start thinking about who to nominate for 2025 RASS Awards! Stay tuned for the instruction to nominate yourself or a well-deserving toxicologist for one of the following awards:

- Best Overall Abstract Award
- Best Published Paper Advancing the Science of Risk Assessment Award
- Best Published Paper Demonstrating an Application of Risk Assessment Award
- Perry J. Gehring Best Graduate Student Abstract Risk Assessment Endowment Award
- Perry J. Gehring Best Postdoctoral Fellow Abstract Risk Assessment Endowment Award
- Robert J. Rubin Student Risk Assessment Specialty Section Travel Award (Joint with MechSS)
- John Doull Risk Assessment Endowment Award
- Andersen-Clewell Trainee Award (Joint with BMSS)

More details on each award can be found here.

RASS EVENTS AND SPONSORED SESSIONS IN SALT LAKE CITY

RASS Meeting/Reception
Monday, March 11th ~ 6:00 - 7:30 PM
Hyatt Regency Ballroom B

You reached out - we listened!! This year's reception will have more time for networking due to the new virtual business meeting option (RASS conducted its business meeting on February 12th—thank you to those that attended!). There will be a brief awards ceremony at 7:00 PM Award winners will have their posters on display, and will be available for discussion from 6:40-7:00 PM All remaining time is allotted for networking.

This event is open to all in-person Annual Meeting attendees interested in joining the section, regardless of current membership status with the hosting group. *Award winners and award committee members: remember to see a member of the RASS executive committee for your free drink ticket.*

RISK ASSESSMENT POSTER SESSIONS

- Risk Assessment I. Monday, March 11th 2:15-4:15 PM. Chair: Erin Yost, U.S. EPA
- Risk Assessment II. Tuesday, March 12th 11:45 AM-1:45 PM. Chair: Xiaoling Dai, Abbot
- Risk Assessment III. Tuesday, March 12th 2:15-4:15 PM. Chair: Lynne Haber, University of Cincinnati

RASS-ENDORSED CONTINUING EDUCATION COURSES

- Plastic chemical additives: determining human risk from microplastic exposure. SR01. Sunday, March 10th. 7:00-7:45 AM. Chair: John Norman, American Chemistry Council. Co-Chair: Todd Gouin, TG Environmental Research
- High-throughput in vitro-in vivo extrapolation for predictive toxicology. AM04. Sunday March, 10th. 8:15 AM-12:00 Noon. Chair: John F. Wambaugh, US EPA. Co-Chair: Barbara A. Wetmore, US EPA
- Nix the six: strategies for implementing nonanimal acute toxicity testing. AM05. Sunday, March 10th. 8:15 AM-12:00 Noon. Chair: Eryn Slankster-Schmierer, Physicians Committee for Responsible Medicine. Co-Chair: Elizabeth Baker, Physicians Committee for Responsible Medicine. AM07. Sunday, March 10th. 8:15 AM-12:00 Noon.
- Weight of evidence analysis and problem formulation for chemical risk assessment. AM07. Sunday, March 10th. 8:15 AM-12:00 Noon. Chair: Anna Lowit, US EPA. Co-Chair: Gina Hilton, PETA Science Consortium International e.V.
- Benchmark dose modeling and its applications in drug, food, and chemical safety evaluation and assessment. PM08. Sunday, March 10th. 1:15-5:00 PM. Chair: Kan Shao, Indiana University. Co-Chair: Antero Vieira da Silva, Karolinska Institutet, Sweden.
- Putting theory into practice: using computational new approach methodologies in next generation risk assessment. PM12. Sunday, March 10th. 1:15-5:00 PM. Chair: Kristie Sullivan, Institute for *In Vitro* Sciences Inc. Co-Chair: Gavin Maxwell, Unilever

RASS-ENDORSED EDUCATION/CAREER DEVELOPMENT

- Preparing the Next Generation of Toxicologists: Integrating Practical Applications and Diverse Career Paths into the Student Experience. Tuesday, March 12th. 1:00-2:20 PM. Chair: Kimberly Zaccaria, SRC Inc. Co-Chair: Tirupapuliyur Damodaran, North Carolina Central University

RASS SPONSORED SESSIONS IN SALT LAKE CITY (CONTINUED)

RASS-ENDORSED WORKSHOPS

- Integrating aggregate exposure pathways and adverse outcome pathways for comprehensive risk assessment of chemical mixtures. Tuesday, March 12th. 8:00-10:45 AM. Chair: Kristin Eccles, Heath Canada. Co-Chair: Paul Price, Risk Science International
- Into the unknown: unique aspects of evaluating potential reproductive and developmental toxicity of new pharmaceutical modalities. Tuesday, March 12th. 8:00-10:45 AM. Chair: Natasha Catlin, Pfizer Inc. Co-Chair: Michael Templin, Charles River Laboratories
- Addressing health inequities and susceptibilities via incorporation of nonchemical stressors within toxicological approaches and cumulative risk assessments. Tuesday, March 12th. 11:00 AM-12:30 PM. Chair: William Klaren, ToxStrategies Inc. Co-Chair: Aleah Monae Bailey, University of North Carolina at Chapel Hill
- Overcoming Barriers to More Scalable Environmental Health Science Research via Harmonized Language. Tuesday, March 12th. 1:00-2:30 PM. Chair: Stephen Edwards, RTI International. Co-Chair: Andrew Rooney, NIEHS
- Next-generation risk assessment calls for an evidence-based next-generation uncertainty assessment. Wednesday, March 13th. 8:00-10:45 AM. Chair: Sebastian Hoffmann, Evidence-Based Toxicology Collaboration. Co-Chair: Gro Haarklou Mathisen, Norwegian Scientific Committee for Food and Environment
- Application of early molecular measurements to develop points of departure for risk assessment. Wednesday, March 13th. 1:30-4:15 PM. Chair: Leah Wehmas, US EPA. Co-Chair: Connie Mitchell, HESI

RASS-ENDORSED SYMPOSIUMS

- In vitro to in vivo extrapolation to predict developmental toxicity potential. Tuesday, March 12th. 3:00-4:30 PM. Chair: Harvey Clewell, Ramboll US Corp. Co-Chair: John Wambaugh, US EPA
- The ties that bind: evaluating the impact of PFAS protein binding and transport on persistence and tissue distribution. Tuesday, March 12th. 8:00-10:45 AM. Chair: Barbara Wetmore, US EPA. Co-Chair: Juliana Agudelo, University of Rhode Island
- Evaluation of human health safety of cosmetics and personal care products in minority and sensitive populations. Wednesday, March 13th. 1:30-4:15 PM. Chair: Babasaheb Sonawane, Georgetown University. Co-Chair: Abdel-Razak Kadry, University of Maryland
- Current status, challenges, and future considerations: advancing NAMs for assessing inhalation toxicity Thursday, March 14th. 8:30-11:15 AM. Chair: Xiaoqing Chang, Inotiv. Co-Chair: Andreas Stucki, PETA Science Consortium International
- Capturing unknowns: Increasing utility of epidemiologic studies as key evidence in chemical risk assessment. Thursday, March 14th. 8:30-11:15 AM. Chair: Heather Schaefer, US FDA. Co-Chair: Melissa Vincent, ToxStrategies Inc.

RASS-ENDORSED INFORMATIONAL SESSIONS

- Risk communication of PFAS: challenges and opportunities. Monday, March 11th. 12:10-1:30 PM. Chair: Kelly Salinas, SRC Inc. Co-Chair: Anna Lowit, US EPA

RASS-SPONSORED JOINT MENTORING SESSIONS

- MSBSS, RASS, BTSS, Mechanisms Specialty Section, and the OTA Special Interest Group Joint Mentoring Event: Monday, March 11. 7:30-9:30 PM. Hyatt Regency Ballroom C. Mentees will have the opportunity to meet 4+ mentors in careers matching your interests in round-table and mixer-style networking. Register here
- MDCPSS, IVAM, and RASS Joint Mentoring Event: Tuesday, March 12. 5:00-6:00 PM. Hyatt Salt Lake Ballroom E. Mentees will have the opportunity to meet mentors with diverse expertise and career stages that match your career interest. Register here by 11:59 pm on Saturday, March 9th.

VOLUNTEERS NEEDED

There are numerous opportunities for RASS members to get involved with RASS-related activities. Fall and Winter are busy times, as the reviewing and judging of best papers as well as student and postdoc award applications, are in full force. Your help is greatly needed! The Benefits of serving as a RASS volunteer include the following:

✓ Getting your name and your ability to help recognized. When you get involved, your willingness to serve and help gets recognized. This is especially important for graduate students and postdocs who are looking to get more involved in SOT.

✓ Working with colleagues. In volunteering, you have the opportunity to work on committees with people that you might not otherwise have the opportunity to work with, in a fun and collegial way.

✓ It is an AWESOME learning opportunity. When you review award applications and candidates for best paper, you have the opportunity to learn about recent developments in risk assessment. Helping out and learning about risk assessment—what more can one ask for?

Opportunities available:
- Student Awards selection committee (Jan–Feb)
- Best Abstracts selection committee (Jan–Feb)
- Best Papers selection committee (Jan–Feb)
- SOT Annual Meeting committee (March)
- Session proposals review committee (April–May)

Yes, me! I would like to volunteer to support RASS!

RASS would like to extend a HUGE thank you to **Alea Goodmanson** for her continued leadership in coordination of the volunteer pool.

If you would like to enter your name into the RASS Volunteer Pool, please email Alea Goodmanson (aleagoodmanson@chevron.com).

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THANK YOU VOLUNTEERS!!

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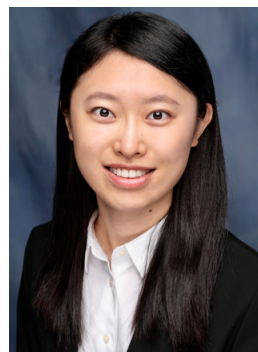
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RASS 2025 SOT PROPOSAL REVIEW

Key dates:

Late March	The 2025 proposal submission site will open
May 1	Deadline for submission to RASS for informal comments (sotrassawards@gmail.com)
May 15	SOT Proposal Submission Deadline
Late June	SOT Announces Session Acceptance

Please note:

- Proposals submitted to RASS for informal comment should allow at least 2 weeks for review; submissions with less than 2 weeks lead time (i.e., after May 1) may not be provided with substantive comments
- Pre-review is **not** required for endorsement, but an opportunity to get feedback to refine the proposal
- RASS **cannot** provide useful feedback on incomplete proposals, so **incomplete proposals will not be reviewed**
- Positive comments from the informal review does not indicate endorsement
- Instruction for developing and submitting session proposals can be found on the SOT website