

## GREETINGS FROM PRESIDENT

### RASS OFFICERS

#### President

**Laura Plunkett, PhD, DABT**

#### Vice President

**Daniele Wikoff, PhD**

#### Past President

**Barbara Wetmore, PhD**

#### Vice President-Elect

**Cecilia Tan, PhD**

#### Secretary/Treasurer

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**Li Yang, PhD, DABT**

**Miao Li, PhD, DABT**

#### Student Representative

**Alan Valdiviezo, PhD  
candidate**

#### Postdoctoral Representative

**Yizhong Liu, PhD, DABT**

#### Newsletter Editors

**Li Yang, PhD, DABT**

**Laura Plunkett, PhD, DABT**

Dear SOT RASS Colleagues,

As I enter the last quarter as President of RASS, I want to thank all of the members of the RASS 2021-2022 Executive Committee (EC) for their dedication and hard work during some difficult times. The last two years have been challenging for most of us as we had to acclimate to a world of less personal interaction on a daily basis. In particular, with the last two SOT Annual Meetings being held virtually, and with travel restrictions imposed on some by their employers this year, the situation will limit the networking that many of us so enjoy at the Annual Meeting. So, if I have not had the opportunity to meet many of you in person, I hope to do so in the near future!

As a large Specialty Section, RASS has a variety of ongoing initiatives designed to benefit our members such as our Webinar series and our newly launched Training Syllabus series. In this newsletter, you will be provided with updates on these RASS activities, and others, as well as the upcoming annual meeting events. Please let us know if you have any questions or concerns about ongoing RASS activities and feel free to reach out to anyone on the RASS EC with your ideas to make RASS work better for each of our members.

Best regards

Laura Plunkett, PhD, DABT

RASS President 2021–2022



## ***2022 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 2021-2022 are:

### ***Vice President-Elect***



Bernard Gadagbui

### ***Councilor***



Kimberly J. Zaccaria

### ***Postdoc Representative***



Anna Kreutz

## ***OUTGOING RASS OFFICERS***

### ***Past President***



Barbara Wetmore

### ***Councilor***



Li Yang

### ***Postdoc Representative***



Yizhong Liu

## **RASS WEBINAR SERIES AND OTHER UPCOMING WEBINARS**

RASS webinars are held from Fall through Spring, generally on the 2<sup>nd</sup> 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:

<https://www.toxicology.org/groups/ss/RASS/downloads.asp>

[Also included below is another RASS sponsored webinar \(ICACSAR Introduction webinar; March 22\) and the next in our RASS Syllabus Training series \(June\).](#)

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### **January 12, 2022**

*Co-sponsored with the Mixtures Specialty Section (MixSS)*

#### **A Novel Framework to Form Sufficiently Similar Mixtures**

**Brianna N. Rivera, BS, PhD Candidate**

Department of Environmental and Molecular Toxicology  
Oregon State University

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### **February 9, 2022**

#### **Natural Product Health Risk Assessment: Weaknesses and Potential Improvements**

**James T. MacGregor, PhD, DABT**

Toxicology Consulting Services

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### **March 22, 2022**

*Co-sponsored with the Society of Environmental Toxicology and Chemistry (SETAC)*

#### **Introduction: International Consortium to Advance Cross-Species Extrapolation**

**Carlie LaLone, PhD**

US Environmental Protection Agency (EPA)

**Geoff Hodges, PhD**

Safety and Environmental Assurance Centre  
Unilever

*April 13, 2022*

*Co-sponsored with the ISEA and ExpoSS*

**Climate Change and Vulnerable Populations: Complementary Approaches for Assessing Extreme Heat and Health**

**Madeleine Scammell, PhD**

**Gregory Wellenius, PhD**

Boston University, School of Public Health

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*May 11, 2022*

*Co-sponsored with in vitro SS and the IVAM*

**Establishing Scientific Confidence in New Approach Methodologies: Eye Irritation Testing and Beyond**

**Amy Clippinger, PhD** (winner of the 2022 SOT Animal Welfare Award)  
PSCI e.V.

**Hans A. Raabe, PhD**

Institute for In Vitro Sciences, Inc.

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*June 7, 2022*

**Second RASS Syllabus Training Webinar**

**Animal Toxicology in Risk Assessment – Study Design and Evaluation Considerations**

**Margaret Pratt, PhD**

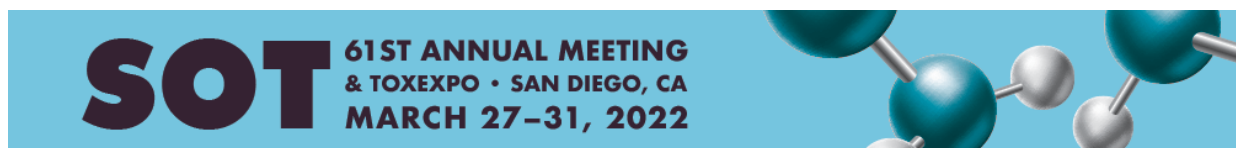
Office of Research and Development

Center for Public Health and Environmental Assessment

US EPA

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**2022 SOT ANNUAL MEETING**



## CONGRATULATIONS TO RASS MEMBERS RECEIVING 2022 SOT AWARDS

### ***Merit Award***



Linda S. Birnbaum

### ***Distinguished Toxicology Scholar Award***



Prakash Nagarkatti

### ***Education Award***



Silvia Berlanga de Moraes Barros

## 2022 STUDENT AND POSTDOCTORAL AWARD WINNERS

### ***Perry J. Gehring Graduate Student Award***

#### **Alexandra Cordova**

Texas A&M University

Dosing Methods to Enable Cell-Based In Vitro Testing of Complex Environmental Samples and UVCB Substances

Poster Board P222 – Mar 30, 2:30 pm – 4:15 pm

#### **Rachel Lacroix**

University of Calgary, Canada

Impaired Development of Social and Locomotor Behaviours in Zebrafish Exposed to Glyphosate During Primary Neurogenesis

Poster Board P273 – Mar 30, 9:00 am – 10:45 pm

### ***Perry J. Gehring Postdoctoral Award***

#### **Anna Kreutz, PhD**

US EPA

In Vitro to In Vivo Extrapolation (IVIVE) for Neurodevelopment: Toxicokinetics and In Vitro Point of Departure Evaluation of Putative Developmental Neurotoxicants

Poster Board P464 – Mar 29, 10:45 am – 12:30 pm



**Bevin Blake**

US EPA

Synthesis of Mechanistic Evidence for Male Reproductive Toxicity of Benzo[a]pyrene Using the Key Characteristics Approach in Concert with the Mode of Action Framework

Poster Board P594 – Mar 29, 2:30 pm – 4:15 pm

***John Doull Award*****Kruuttika Satbhai**

Texas Tech University

Comparative Toxicokinetics and Toxicity of PFOA and Its Replacement GenX in the Early Stages of Zebrafish

Poster Board P213 – Mar 28, 10:45 am – 12:30 pm

**Chao Ji**

Indiana University

Bayesian Benchmark Dose Estimation with BBMD: Inference from Genomic Data

Poster Board P510 – Mar 28, 10:45 am – 12:30 pm

***RASS-MechSS Joint Robert J. Rubin Student Travel Award*****Danielle Kozlosky**

Rutgers University

In Utero Cadmium Exposure Disrupts Development of the Placental Vasculature Leading to Growth Restriction in Male Offspring

Poster Board P275 – Mar 29, 2:30 pm – 4:15 pm

***RASS-BMSS Joint Andersen-Clewell Trainee Award*****Long Yuan, PhD**

University of Florida

Development and Application of a Web-Based Interactive Physiologically Based Pharmacokinetic (iPBPK) Model for Meloxicam in Broiler Chickens and Laying Hens

Poster Board P696 – Mar 29, 10:45 am– 12:30 pm

*(Honorable Mention)*

**Anna Kreutz, PhD**

US EPA

In Vitro to In Vivo Extrapolation (IVIVE) for Neurodevelopment: Toxicokinetics and In Vitro Point of Departure Evaluation of Putative Developmental Neurotoxicants

Poster Board P464 – Mar 29, 10:45 am – 12:30 pm

*(Honorable Mention)*

**Qiran Chen, PhD**

University of Florida

Integration of Toxicogenomics and Physiologically Based Pharmacokinetic (PBPK) Modeling in Human Health Risk Assessment of Perfluorooctane Sulfonate (PFOS)  
Poster Board P753 – Mar 28, 9:15 am – 12:00 pm

## **2022 BEST ABSTRACT AWARD**

**Michael Dzierlenga**

US EPA

Pharmacokinetic (PK) Models for Chemical Risk Assessment of Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS)

### **TOP 10 ABSTRACTS**

- [P191] **Michael Dzierlenga** et al. US EPA. Pharmacokinetic (PK) Models for Chemical Risk Assessment of Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS)
- [P337] **Mark Daley** et al. Brown University. Risk Assessment by Combined Three-Dimensional Human Cardiac Microtissues and Pharmacokinetic Modeling
- [P351] **Iris Muller** et al. Unilever. An Integrated Approach for Testing Developmental and Reproductive Toxicity (DART) Endpoints for Next-Generation Risk Assessment (NGRA)
- [P530] **Jordan Kozal** et al. Cardno Chem Risk. Risk Assessment of Organic Impurities Detected in Hand Sanitizers Marketed to Children during the COVID-19 Pandemic
- [P161] **Anju Maharjan** et al. Daegu Catholic University Evaluation of Tumor Markers and Immune Parameters among Chicken Husbandry, Grape Orchard, and Rose Greenhouse Workers
- [P721] **James Rathman** et al. MN-AM. Estimation of No-Observed-Adverse-Effect Level (NOAEL) by Read-Across for Large Inventories of Structurally Related Chemicals and Metabolites
- [P565] **L. Li and D. Li**. University of Nevada. Addressing Inter-Individual Variabilities in Human Exposure and Toxicological Susceptibility in Environmental Risk and Impact Assessments
- [P857] **Shouqi Luo** et al. Atea Pharmaceuticals. Lack of Reproductive and Developmental Toxicity for AT-527, an Oral Purine Nucleotide Prodrug for COVID-19 Infection
- [P874] **Bruno Filippi** et al. InSphero Inc. 3D InSight Liver Microtissues as Promising Preclinical Safety Assessment In Vitro Tools: Mechanistic Investigation of Aflatoxin B1 Toxicity in Dog, Rat, and Human 3D InSight Liver Microtissues
- [P188] **Anand Ramalingam** et al. University of Louisville School of Medicine. Device Type, Nicotine, and E-liquid Flavors Determine the Extent of E-cigarette-Induced Pulmonary Oxidative Stress in Mice

## 2022 BEST PAPER AWARDS

### Best Paper Advancing the Science of Risk Assessment Published in 2021

J. Boberg, L. Bredsdorff, A. Petersen, N. Lobl, B.H. Jensen, A.M. Vinggaard, and E. Nielsen.  
**Chemical Mixture Calculator: A Novel Tool for Mixture Risk Assessment**  
Food and Chemical Toxicology. (2021) 152:112167

### Best Paper Demonstrating the Application of Risk Assessment Published in 2021

W.C. Chou and Z. Lin.

**Development of a Gestational and Lactational Physiologically Based Pharmacokinetic Model for Perfluorooctane Sulfonate (PFOS) in Rats and Humans and Its Implications in the Derivation of Health-Based Toxicity Values**  
Environmental Health Perspectives. (2021) 129(3):37004

*Thank You*  
***Volunteers!***  
*We couldn't do it without you*

### Student & Postdoctoral Awards Committee 2022

Cecilia Tan (Chair)*	Bindu Prabhakar
Laurie Roszell	Kel Hanson
Melissa Heintz	Miao Li*
Jennifer Rayner	Qiang Zhang
Patricia Ruiz	Cheryl Rockwell

### Best Abstract Awards Committee 2022

Cecilia Tan (Chair)*	Bindu Prabhakar
Nathan Pechacek	Kim Zaccaria
Evisabel Craig	Matthew Wolter
Jennifer Rayner	Jalissa Nguyen

### Best Paper Awards Committee 2022

#### ***Demonstrating the Application of Risk Assessment***

Kelly Salinas  
Alberto Tohme  
Norm Healy  
Lisa Sweeney  
Miao Li\*  
Elaine Freeman

#### ***Advancing the Science of Risk Assessment***

Nathan Pechacek  
Stefanie O'Neal  
Penny Fenner-Crisp  
Matthew Wolter  
Kim Zaccaria  
Jon Urban  
Laura Markley



## **2022 SOT ANNUAL MEETING HIGHLIGHT**

**Workshop: March 28: 9:15 am – 12:00 Noon**

### **Leveraging Physiologically Based Pharmacokinetic (PBPK) Modeling for Refining Safety Assessment of Food, Drugs, and Chemicals under Data-Rich and Data-Poor Conditions**

Chairperson(s): Cecilia Tan, US EPA; and Jeanne Domoradzki, Corteva Agriscience

*Primary Endorser: Biological Modeling Specialty Section*

*Other Endorsers: In Vitro and Alternative Methods Specialty Section and Regulatory and Safety Evaluation Specialty Section*

Physiologically based pharmacokinetic (PBPK) models simulate the absorption, distribution, metabolism, and excretion (ADME) of a chemical in the body. Traditionally, the development of these models begins with a critical evaluation of available *in vivo* data that inform the ADME processes. These data, and sometimes with *in vitro* and *in silico* estimated ADME parameters, are then used to construct a PBPK model. The performance of a model is evaluated by comparing the concordance between simulated internal concentrations with the observed data. For environmental chemicals, these models are commonly applied to estimate human health risks from animal-derived dose-response data, as well as understanding intraspecies variability and life-stage sensitivity. PBPK models also can be used to examine the impact of exposure scenarios and nonlinearity in ADME mechanism(s) on internal doses and subsequent responses. Furthermore, PBPK models have been used to evaluate the safety of human food derived from food-producing animals treated with veterinary drugs and to support veterinary drug development for farm and domestic animals. Recently, PBPK models have played a critical role in converting *in vitro* bioactive doses to equivalent external exposure levels for screening and prioritizing chemicals for further testing. This session will cover a collection of case study applications to demonstrate how recent advances in PBPK modeling can be leveraged to integrate available data for a variety of risk assessment purposes—from study design to data interpretation; for drugs, food, and chemicals; and under both data-rich and data-poor conditions. Specific model applications that will be discussed include organizing the current state of knowledge to optimize animal study design; supporting animal-derived food safety assessment, animal health risk assessment, and veterinary drug development; extrapolating to new and inaccessible conditions and evaluating potential sensitivity of a susceptible population; estimating the PK of data-poor chemicals; and extrapolating *in vitro* and *in vivo* test results to human exposure levels. Following the presentations, there will be a panel discussion on how to encourage more frequent use of PBPK modeling as a quantitative tool in chemical risk assessment for both human and animal health. Though PBPK modeling is now a familiar tool to many toxicologists, these broad topics will be discussed such that both newcomers and practitioners will feel welcome.

### **Risk Assessment Poster Session I: March 28, 10:45 am – 12:30 pm**

Chairperson: Erica Rogers, Gad Consulting Services

### **Risk Assessment Poster Session II: March 29, 10:45 am – 12:30 pm**

Chairperson: Lynea Murphy, Corteva Agriscience

### ***Risk Assessment Poster Session III: March 29, 2:30 pm – 4:15 pm***

Chairperson: Xiaoling Zhang, Procter & Gamble

### ***Risk Assessment Specialty Section Meeting/Reception:***

***March 29: 6:00 pm – 7:30 pm***

Chairperson: Laura Plunkett, Partner at BioPolicy Solutions LLC

The event will include: a report of section activities in the past year, award announcements, introductions of the 2022-2023 officers, and ample networking opportunities to connect with colleagues. 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.

## ***RASS MEMBER SPOTLIGHT***



Prior to returning to his home country of Germany in 2021, his passion for toxicology and risk assessment led former SOT/ RASS Councilor Fabian Grimm, PhD, ERT on a journey that saw him train and work in Europe and in the United States. He began his professional education in the Netherlands, where he earned his undergraduate degree in Biomedical Sciences from Saxion University, Enschede. Eager to pursue a career in toxicology, Dr. Grimm relocated to the United States in 2009, where he joined the University of Iowa's Interdisciplinary Graduate Program in Human Toxicology as a doctoral student and NIH/NIEHS Superfund Research Program (SRP) trainee. Under the guidance of his doctoral advisor, Michael Duffel, PhD, he studied the metabolism and effects on thyroid function of polychlorinated biphenyls (PCBs), a complex class of chemical pollutants. After graduating with his PhD, he completed his postdoctoral training at Texas A&M University, where he worked with SRP Center Director Ivan Rusyn, MD, PhD on the advancement of regulatory toxicology using innovative cell-based methods and computational approaches.

After completing his postdoctoral training, Dr. Grimm transitioned to industry and accepted a senior toxicologist position at ExxonMobil Biomedical Sciences Inc. (EMBSI) in Annandale, New Jersey, where he provided global regulatory toxicology support and guidance to R&D initiatives aimed at implementing computational toxicology methods in chemical safety assessments. With his recent return to Germany, Dr. Grimm now leads a team of regulatory toxicologists and ecotoxicologists at the specialty chemicals company Clariant. He is particularly motivated to provide his expertise to help Clariant achieve ambitious sustainability goals, including the development of products that are "safe and sustainable by design" while advancing the implementation of non-animal test methods in the company's chemical safety assessments.

For his research advancing the use of alternatives to animal testing in toxicological research, Dr. Grimm was recognized with awards from multiple organizations, including the ALTEX (Alternatives to Animal Experimentation) Prize in 2019 and the Perry J. Gehring Risk Assessment Award from RASS in 2017.

Dr. Grimm is an active member of SOT since he joined as a graduate student in 2012. He has since served as a volunteer for both the Risk Assessment and *In Vitro* and Alternative Methods (IVAM) Specialty Sections. In 2019, he was elected as a RASS Councilor. During his term, Dr. Grimm and his fellow RASS Executive Committee members developed a vision and concept for the RASS Syllabus, a new educational event series that aims to convey key concepts and expert perspectives in risk assessment to trainees and risk assessment professionals. Dr. Grimm continues to be engaged as a member of the RASS Syllabus organizing committee and is excited to keep supporting RASS and SOT in the future.

Outside of work, he enjoys spending time with his family, traveling, and mountain biking.

## **RASS ENDOWMENT FUNDS**

RASS has five endowments funds supporting awards to students and postdocs – the John Doull Student Award Endowment Fund, Perry J. Gehring Risk Assessment Student and Postdoctoral Award Endowment Funds, Robert J. Rubin Student Travel Award Endowment Fund, and the Andersen-Clewell Trainee Award Endowment Fund. 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.

We have currently met our 2021 goal to raise all of our endowment funds to \$50,000. Our goal in the next year is to increase each fund by at least \$2,000 (\$8,000 in total). With your help to reach this goal, 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 toxicologist. Please visit the Endowment website to see current contributors and learn more about the endowments. Contributing is easy:

<http://www.toxicology.org/endowment/contribute/donate.asp>.

## 2021 Financial Overview SOT/RASS Endowment Funds

Endowment Fund	Joint	Balance* Dec 2020	Balance* Dec 2021	Investment Gains/Losses*	%
Andersen Clewell Trainee Award Fund	BMSS	59,665	64,237	4,572	7
John Doull Student Award Fund	RASS only	59,665	61,277	1,511	7
Perry J. Gehring Risk Assessment Student Award Fund	RASS only	59,766	61,277	1,511	2
Robert J. Rubin Student Travel Award	MSS	59,201	62,651	3,450	6
<b>Total in RASS Endowment Funds</b>	-	-	257,678		4.4

\*All amounts in US \$

Initiatives are being undertaken to increase awareness of our endowment funds and share stories about how their contributions help our Trainees:

- The endowment fund steward committee will be sending out quarterly updates to RASS membership to share status updates and reminding us to consider contributing to our endowment awards. As donations come in, the committee will use a "thermometer" graphic in order to illustrate the progress and target goal for each fund.
- Each member who contributes \$50 or more to the endowment funds will receive a congratulatory "Endowment Contributor Toast" at the annual RASS reception with a group photo posted on the website and in the following RASS newsletter.

## RASS Endowment Fund Steward Committee



Anne Loccisano  
Exponent



Tami McMullin  
CTEH



Chiedu Onwordi  
Lagos State University



David Szabo  
PPG

## VOLUNTEER POOL

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! 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 out get 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:

- Session Proposals Review Committee
- Student Awards Selection Committee (Jan-Feb)
- Best Abstracts Selection Committee (Jan-Feb)
- Best Papers Selection Committee (Jan-Feb)
- Newsletter Committee (Sept-Oct, Jan-Feb)
- Nominating Committee (Nov-Dec)



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

## RISK ASSESSMENT SYLLABUS

The Society of Toxicology RASS leadership committee proposes the development of a dedicated "Risk Assessment Syllabus," a new training series that will complement 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. Each event in the series will be focused on a selected risk assessment-related topic, and will have speakers from academia, government, and/ or industry, with each speaker providing their perspective on what risk assessment means in their respective sector.

Trainees will be provided with valuable insights that will enhance their awareness of the potential importance and sector-specific aspects of risk assessment in their professional careers as well as required skills for the respective job profiles. For current professionals, the syllabus will provide an opportunity to refresh and advance understanding of risk assessment principles and an opportunity to develop sector-specific perspectives on contemporary topics in human and environmental health sciences.

RASS currently envisions a web-based format to maximize attendance; combining webcasts with local in-person events may be considered for future training events. Individual events may be structured to contain a formal presentation focusing on a specific aspect relevant to risk assessment, followed by an open panel discussion with invited experts in the field.

The first RASS Syllabus webinar, with the title of “Introduction to Human Health Risk Assessment”, was held on June 9, 2021. Dr. Laura Carlson and Dr. George Woodall from US EPA were the instructors. With over 320 participants and over 500 initial registered participants, tremendous interest was demonstrated. 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.

Please take a moment to complete our Risk Assessment Syllabus survey, and provide feedback by December 15, 2022: <https://www.surveymonkey.com/r/F68BCZZ>

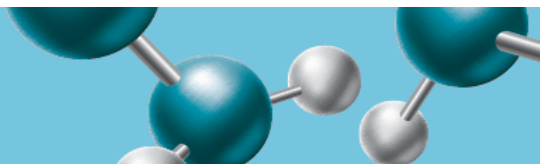
### ***RASS Syllabus Planning Committee***

Fabian Grimm, RASS Councilor 2019-2021  
Gary Minsavage, RASS Past President 2019-2020  
George Woodall, RASS Past President 2018-2019  
Jessica Wignall, RASS Secretary/Treasurer 2021-2023  
Laura M. Plunkett, RASS President 2020-2021  
Li Yang, RASS Councilor 2020-2022  
Nathan Peckacek, RASS Secretary/Treasurer 2019-2021

### ***2023 SOT ANNUAL MEETING***



**62nd Annual Meeting  
& ToxExpo • Nashville, TN  
March 19 – 23, 2023**





The **SOT 62nd Annual Meeting and ToxExpo** will be held from March 19 – 23, 2023 at Nashville Music City Center, Nashville, Tennessee. Seventy (70) Scientific Sessions, 12 Continuing Education courses, more than 2,000 presentations, as well as over 250 exhibitors will share the latest products and technology in toxicology.

More details on these sessions, as well as the official schedule, will be available in the SOT website: <https://www.toxicology.org/events/am/AM2023/index.asp>.

**Key dates:**

May 1	Deadline for submission to RASS for informal comments
May 17	SOT Proposal Submission Deadline
Late June	SOT Announces Session Acceptance

- 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
- Positive comments from the informal review does not indicate endorsement

## **RASS AWARDS**

Nominate yourself or a well-deserving Toxicologist for the awards.

Please Contact [RASS](mailto:sotrassawards@gmail.com) (sotrassawards@gmail.com) to apply 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 SS Travel Award (Joint with MechSS)
- John Doull Risk Assessment Endowment Award
- Andersen-Clewell Trainee Award (Joint with BMSS)

The deadline for application is December 31<sup>st</sup>!

*Application details can be found [here](#)*

## ***RASS OFFICERS 2021/22***

### ***Past President***



Barbara Wetmore  
US EPA

### ***President***



Laura Plunkett  
BioPolicy Solutions, LLC

### ***Vice President***



Daniele Wikoff  
ToxStrategies, Inc

### ***Vice President-Elect***



Cecilia Tan  
US EPA

### ***Secretary/Treasurer***



Jessica Wignall  
ICF

### ***Councilor***



Li Yang  
CA EPA/DTSC

### ***Councilor***



Miao Li  
FDA/NCTR

### ***Postdoc Rep***



Yizhong Liu  
FDA/CDRH

### ***Student Rep***



Alan Valdiviezo  
Texas A&M Uni