

**Regulatory and Safety Evaluation Specialty Section**  
**2020-2021 ANNUAL REPORT**  
 May 1, 2019 to April 30, 2020

**I. Officers/Committees:**

<u>Officers</u>	<u>2020-2021</u>	<u>2021-2022</u>
President:	Amy L. Roe	Annette Koerner
Vice President:	Annette Koerner	Kristina Chadwick
Vice President-Elect:	Kristina Chadwick	Hilary Sheevers
Secretary/Treasurer:	Ryan Hamilton	Ryan Hamilton
Past President	Anne Loccisano	Amy L. Roe
Councilors:	Haitian Lu	Angélique Braen
	Angélique Braen	Sherleen Adamson
PDA Representative:	Lauren Walker	Skye Kelty
GSLC Representative:	Jessica Jimenez	Carmen Amelia Marable

**RSESS Committees:**

**RSESS 2020 Scientific Program Committee:** Angélique Braen, Sherleen Adamson, Dave Allen, Krisa Camargo, Cynthia Heinlein, Mansi Krishan, Claire Neilan, Logeswari Ponnusamy, Santhini Ramasamy, Matthew Taylor

**RSESS 2020 Awards Committee:** Logeswari Ponnusamy, Susan Emeigh Hart, Amy Tran and the RSESS officers.

**Ad hoc Webinar Committee:** Ryan Hamilton and Haitian Lu

**II. 2020 Membership total: 859**

**III. Activities:**

- A. **2021 SOT Annual Meeting including the RSESS Reception** was held virtually on the evening of March 16th. Over 75 members joined the virtual mixer. In addition to the standard business meeting agenda topics, there was great open discussion among members about topics that RSESS should focus on. Participants seemed to have great passion for developing communication strategies to deliver toxicology concepts to the lay public (e.g., building bridges with social media influencers and journalists). The awardees got the opportunity to present their work in a short presentation and engage in a discussion with the members. Potential webinar topics were also discussed, and student members were interested in tips and tools to navigate the interview/hiring process. A post-event survey was conducted, and we received great feedback, comments, and recommendations from our membership. Overall, the RSESS Executive Committee considered the virtual mixer format to be quite successful.

**B. Award Information:**

**Regulatory & Safety Evaluation Best Paper Award Winner**

Vanessa L Schumacher, Famke Aeffner, Erio Barale-Thomas, Catherine Botteron, Jonathan Carter, Laëtitia Elies, Jeffery A Engelhardt, Pierluigi Fant, Thomas Forest, Peter Hall, Deon Hildebrand,

Robert Klopffleisch, Thomas Lucotte, Heike Marxfeld, LuAnn Mckinney, Pierre Moulin, Elizabeth Neyens, Xavier Palazzi, Alain Piton, Elena Riccardi, Daniel R Roth, Serge Rousselle, Justin D Vidal, Bethany Williams, “The Application, Challenges, and Advancement Toward Regulatory Acceptance of Digital Toxicologic Pathology: Results of the 7th ESTP International expert Workshop.” *Toxicol Pathol* 2021 Jun;49(4):720-737.

**RSESS Graduate Student Excellence Awards**

Alyssa Bellamo, Rutgers University; “Analysis of Acute Lung Injury Following Nitrogen Mustard Exposure in Mouse Precision Cut Lung Slices”

Shelby Coleman

State University of New York; “Daily Variation of Air Pollutants Near an Elevated Highway System.”

**RSESS Postdoctoral Excellence Awards**

Dahea (Diana) You, PhD NIEHS; “Development of a High Content Imaging Assay for Population Variability in Developmental Neurotoxicity.”

**RSESS “Great Debate”**

Unfortunately, the great debate was not held at the 2021 virtual SOT meeting.

**C. 2020 SOT Annual Meeting Courses/Sessions:**

For the 2021 SOT Annual meeting, 24 proposals requested RSESS endorsement. Five asked for primary endorsement from RSESS and 13 and 6 asked for secondary and tertiary endorsement, respectively.

Overall, there were endorsement requests for 12 workshops, 9 symposia, 2 continuing education sessions, and 1 round table.

RSESS endorsed the following courses and sessions that were accepted into the 2021 program:

- The Scientific Challenges in Regulating Organohalogen Flame Retardants (OFRs) as a Class in Consumer Products
- Regulatory Learnings from the EU Flagship Nonanimal Toxicology Project, EU-ToxRisk
- Thresholds of Toxicological Concern: Reassessing the Basis and Expanding the Horizon
- Molecular-Based Points of Departure as the New Basis for Chemical Risk Assessment: Are We Ready?
- Paving the Way for Greater Data Sharing to Advance Biomarker and Drug Development: Industry, Academia, and Regulatory Insights
- Chemical-Induced Mouse Lung Tumors: Mode of Action, Relevance, and Risk Assessment
- Establishing Quality, Safety, and Regulatory Principles for Probiotics: More Than Just a Gut Check
- Applications of In Vitro and In Silico New Approach Methodologies for Predictive and Mechanistic Thyroid Toxicity Testing
- Development, Toxicology, and Pathology of the Female Reproductive Tract: Interpretation of Findings from the Pathologist and Regulatory Perspectives

- Navigating New Modalities: A Preclinical Roadmap for Developing Novel Oligonucleotide Safety Strategy
- The Future of Uncertainty Factors with In Vitro Studies Using Human Cells
- Developmental Toxicity Hazard Assessment without Animals: Pathways and Prospects
- Evolving Technologies for Determination of Biotherapeutic Specificity
- Controlling the Message: Safely Navigating the Development of Novel Oligonucleotide Therapeutics
- Opportunities and Challenges in Utilization of Toxicokinetic Data in Dose-Level Selection for Repeated-Dose Toxicity Studies
- Mind the Gap: Finding Practical Ways to Fast-Track the Future of Animal-Free Toxicology Testing
- Closing the Data Gap: Assessing Population Variability Using Next-Generation Tools in Toxicology

**D. Communication Activities:**

1. Newsletter publication frequency: Fall 2020 and Winter 2020
2. New or Significant Announcements/blogs: RSESS Virtual Mixer Reception Survey
3. Highlight of Website enhancements: Standard updates to officers, awards, and newsletters.

**E. RSESS SOT Mentoring Event:**

Unfortunately, the mentoring session was not held at the 2021 virtual SOT meeting.

**F. Endowment Fund Details:**

Limited contributions were made to the RSESS Endowment Fund this past year. This is an area where we see the need for improvement, and we are pursuing ideas to solicit an increase in contributions over the upcoming year. The RSESS did pursue a potential avenue of contribution to the endowment through use of our substantial operating budget. In addition, we asked about the idea of allowing RSESS members to add a small contribution at the time of renewing membership to the Specialty Section. Both topics were taken to SOT leadership for consideration, and both ideas were rejected.

**G. RSESS Webinars**

No webinars were planned during the 2020-2021 year.

**H. White Papers:**

None

**I. Other Specialty Section 2019-2020 Activities:**

None