

ANNUAL REPORT: 2016-2017

May 1, 2016 to April 30, 2017

I. Officers/Committees:

<u>Officers</u>	<u>2016-2017</u>	<u>2017-2018</u>
President:	Michael L Dourson	Edward V Ohanian
Vice President:	Edward V Ohanian	Marie C Fortin
Vice President-Elect:	Marie C Fortin	Liz Vancza
Secretary/Treasurer:	Annette Koerner	Amy L Roe
Past President	Suzanne Compton Fitzpatrick	Michael L Dourson
Councilors:	Amy L Roe	April D Lake
	April D. Lake	Norman Kim
PDA Representative:	Joseph Cichocki	Greg Smith
GSLC Representative:	Monique Williams	Monique Williams
International Liaison		Annette Koerner

Committees:

Ad hoc group for toxicology papers in non-toxicology journals – Led by Marie Fortin

Ad hoc group for risk assessment certification – Led by Michael Dourson and Suzanne Fitzpatrick

Ad hoc group for webinars – Led by Edward Ohanian and April Lake

II. Activities:

2017 SOT Annual Meeting Reception was held in Baltimore, Maryland on (Date).

The room was completely full with approximately 200 people in attendance.

Dr. Michael Dourson called the meeting to order at 6:00 PM on 14 March 2017 and the EC proceeded with the business portion of the meeting.

Several awards were given to graduate students, postdoctoral scholars, and one award was given for the best paper of the year award:

Postdoctoral Awards

1. **Dr. Todd Andrew Townsend**, USDA, The Development and Validation of EpiComet-Chip, a Modified High-Throughput Comet Assay for the Assessment of DNA Methylation Status. 1335: Poster Board – P 626 (March 13 – 9:30 AM – 12:45 PM)
2. **Dr. Joe Cichocki**. Texas A&M. Non-Alcoholic Fatty Liver Disease as a Modifier of Perchloroethylene-Induced Toxicity. 2512: Poster Board – P 319 (March 15 – 9:30 AM – 12:45 PM)

3. **Dr. Sarah E. Thacker.** University of North Carolina at Chapel Hill. Optimization of Methods to Enrich Hepatocytes-Derived Exosomes for the Identification of Novel DILI Biomarkers. 2511: Poster Board – P 318 (March 15 – 9:30 AM – 12:45 PM)

Student Travel Awards

4. **Mr. Brett Winters.** University of North Carolina at Chapel Hill. In Vitro Toxicity Screening Techniques for Volatile Substances Using Flow-Through System. 2774: Poster Board – P 142 (March 15 – 1:15 PM – 4:30 PM)
5. **Ms. Rosa Chan.** University of California at San Francisco. Examining the Role of MRP3, MRP4 and BSEP Inhibition Individually and Synergistically and their Relationship to DILI. 2507: Poster Board – P 314 (March 15 – 9:30 AM – 12:45 PM)
6. **Ms. Nikaeta Sadekar.** St. John’s University in New York. Orally Administered Ras Sindoor-Mediated Renal Toxicity in Male Sprague-Dawley Rats. 2103: Poster Board – P 321 (March 14 – 1:15 PM – 4:30 PM)
7. **Ms. Esther Omaiye.** University of California at Riverside. Counterfeit Electronic Cigarette Refill Fluids: A New Public Health Concern. 1281: Poster Board – P 504 (March 13 – 9:30 AM – 12:45 PM)

Best Published Paper Award

Title: Approaches for describing and communicating overall uncertainty in toxicity characterizations: U.S. Environmental Protection Agency's Integrated Risk Information System (IRIS) as a case study. Environment International 89–90 (2016) 110–128

Authors: Nancy B. Beck^(a), Richard A. Becker^(a), Neeraja Erraguntla^(b), William H. Farland^(c), Roberta L. Grant^(b), George Gray^(d), Christopher Kirman^(e), Judy S. LaKind^(f,g,h), R. Jeffrey Lewis⁽ⁱ⁾, Patricia Nance⁽ⁱ⁾, Lynn H. Pottenger^(k), Susan L. Santos^(l), Stephanie Shirley^(b), Ted Simon^(m), Michael L. Dourson^(j)

The awards ceremony was followed by “The Great Debate”. This year’s debate topic was:

“Is High-Throughput data be applicable for applications in safety and regulatory assessment?”

The debaters were on the Pro side – Dr. Thomas Hartung, MD, Ph.D, John Hopkins Bloomberg School of Public Health and on the Con side, A. Wallace Hayes, Ph.D., DABT, Harvard School of Public Health. The moderator was Dr. Michael L. Dourson, Ph.D., DABT, Professor, Risk Science Center, University of Cincinnati.

The debate was greatly appreciated by the audience and led to some interesting discussion. Following the debate the floor was open to the membership and there was deep discussion on the role of toxicology and science in such political times.

2017 SOT Annual Meeting Breakfast Seminar – 6:30 AM on 15 March 2017 at the SOT Annual Meeting in Baltimore, MD. Speakers Jan Willem van der Laan (Federal Agency for Medicines and Health Products (FAMHP) of Belgium) and Lutz Mueller (Hoffman La Roche) discussed changes in EMA regulatory guidance document for risk mitigation in first-in-human study as a result of the clinical trial with BIA10-2474 (a fatty acid amid hydrolase inhibitor for treatment of pain) in France (Jan 2016). The speakers discussed the first-in-human study that resulted in severe adverse events related to CNS changes. Approximately 35 individuals attended this session.

2017 SOT Annual Meeting Courses/Sessions:

All of the CE Advanced courses submitted to RSESS were accepted. Total acceptance rate: 100%

All CE Basic courses were accepted with a total acceptance rate: 100%

All Roundtables were accepted. Total acceptance rate: 100%

Both the single Informational Session and Career Development Session were rejected.

3 symposia were accepted as is; 1 symposium was accepted with a switch to a workshop (secondary choice) – All were recommended for endorsement by RSESS – general comments of RSESS Proposal Committee were in line with SPC. Total acceptance rate: 4 of 17; about 24%

12 workshops accepted as is (an accept/reject message was not found for one), 1 workshop was accepted with a switch to a CE course (SPC recommendation); 3 workshops were accepted with switch to informational session (SPC or RSESS committee recommendation). General comments of RSESS Proposal Committee and rankings were in line with SPC and other specialty sections/special interest groups. Total acceptance rate: 16 of 33 (discounting one exception); about 48%

Overall, out of a total of 63 proposals submitted to RSESS for endorsement, 29 proposals were accepted for inclusion in the 2017 SOT Program (which is roughly 46%; quite competitive).

When comparing submitted comments and ranks from our RSESS proposal review committee and the SPC (particularly the reasons for rejection), it is evident how much the SPC relies on endorsement groups for preliminary review, guidance, and commentary. The RSESS and its proposal review committee should be very proud of the chosen program (for which they were instrumental in forming) and a job well done!

Endowment Fund Details: No activity this reporting cycle.

Newsletters: One newsletter distributed to our membership in October 2016.

Teleseminars:

"EPA's Guidelines and Other Related Activities for Cyanotoxins" by Lesley V D'Anglada, Dr.PH, MEH, USEPA, Office of Science and Technology, Office of Water. Held on Thursday, February 23, 2017, from 1:00-2:30 pm EST.

White Papers: No activity this reporting cycle.

Contributions to SOT website: No activity this reporting cycle.

Other Specialty Section 2016-2017 Activities:

Advocated, in partnership with the Risk Assessment Specialty Section (RASS), for an Associate Editor for Toxicological Sciences who had experience in risk assessment. Our objective was to increase publications related to risk assessment in this critical journal. As a result of our efforts, Dr. Michael Dourson is an Associate Editor, and we have already seen at least one risk assessment paper accepted for publication in this journal.

We also presented a poster about the RSESS which was displayed in the gallery area of the SOT Exhibitor Hall during the Annual SOT Meeting in Baltimore.

Conducted a survey of RSESS membership in September 2016 on topics and subject matter for future webinars. 114 responses received. 28 topics proposed by membership under category of 'other' topics.

RSESS supported the SOT and US Environmental Protection Agency co-Sponsored meeting on Contemporary Concepts in Toxicology meeting titled: Toxicoeugenetics: The Interface of Epigenetics and Risk Assessment that was held on November 2–4, 2016 in Tysons, Virginia. This conference included cutting-edge research on the role of the epigenome as a central mechanism linking environmental exposures to adverse health outcomes. Following a summary of current data, the focus will shift to presentations outlining both a model for the use of epigenetic and epigenomic data from mechanistic studies and identifying current limitations to the incorporation of epigenetic data into future risk assessment paradigms.