

NAME OF SPECIALTY SECTION Mixtures Specialty Section

ANNUAL REPORT: 2016-2017

May 1, 2016 to April 30, 2017

I. Officers/Committees:

Officers	2016-2017	2016-2018
President:	Margaret H Whittaker	Cynthia V Rider
Vice President:	Cynthia V Rider	Chris Gennings
Vice President-Elect:	Chris Gennings	Danielle J Carlin
Secretary/Treasurer:	Erin P Hines	Emily F Madden
Past President	David W Herr	Margaret H Whittaker
Councilors:	Nigel J Walker	Bethany R Hannas
	Julia E Rager	Julia E Rager
PDA Representative:	Justin M Conley	Justin M Conley
GSLC Representative:	Krystin Carlson	Elizabeth M Martin

Committees:

At 2017 SOT Annual Meeting: Mixtures Specialty Section Officers Meeting, Monday, March 13, 2017, 7:00-8:00 AM at Miss Shirley's Café, Baltimore, Maryland

Attendees: Meg Whittaker, Cynthia Rider, Julia Rager, Nigel Walker, Justin M Conley, Erin Hines, Chris Gennings, Krystin Carlson, Danielle Carlin, Emily Madden

II. Activities:

2017 SOT Annual Meeting Reception was held in Baltimore, Maryland on Wednesday, March 15, 2017, at 6:00 pm to 7:30 pm.

Approximately 80 people were in attendance.

Dr. Margaret H Whittaker called the meeting to order at 6:30 PM.

Meeting Minutes:

- Hors d'oeuvres and networking
- Meg Whittaker welcomed everyone and provided an update on recent MSS activities.
- Three Minute Mixtures Science Talk Competition: Nigel Walker MC'd the three minute science talks. The competition was informational and well received by attendees.
- Meg Whittaker presented the new mixSS officers: Vice President-Elect: Danielle Carlin, PhD, DABT; Secretary and Treasurer: Emily Madden, PhD, DABT; Councilor: Bethany Hannas, PhD; Graduate Student Representative: Elizabeth Martin.
- Meg Whittaker discussed program session proposal submission.
- Meg Whittaker presented awards (see below). **Awards:**

Best Mixtures Abstract: Yvonne Chang, PhD (Oregon State University)

Graduate Student Award: Changqing Zhou (University of Illinois) Title of Abstract: Prenatal Phthalate Mixture Exposure Adversely Affects Female Reproduction in Mice

Post-doctoral Award: Justin M. Conley, PhD (US EPA) A Mixture of 18 Anti-Androgens at Concentrations Below Individual Chemical Effect Levels Produces Reproductive Tract Malformations in the Male Rat

Top 5 abstracts (listed alphabetically by first author below) were awarded blue ribbons during their poster presentations:

Abstract # 2779

PAHs Differentially Regulate Transcription in Human 3D Bronchial Epithelium

Yvonne Chang

Abstract # 1645

A Mixture of 18 Anti-Androgens at Concentrations below Individual Chemical Effect Levels Produces Reproductive Tract Malformations in the Male Rat

Justin Conley

Abstract # 3322

Development and Application of In Vitro-Based Mixture Potency Factors for Improving Health Risk Assessment of Airborne PAHs

Kristian Dreij

Abstract # 3485

Neurochemical and Behavioral Consequences of Developmental Exposure to Low Dose EDCs and Their Mixture

Katherine Harvey

Abstract # 3536

An analysis of Cumulative Risks Indicated by Biomonitoring Data of Six Phthalates Using the Maximum Cumulative Ratio

Jeanette Reyes

2017 SOT Annual Meeting Courses/Sessions:

- **Continuing Education Course:** AM02 Adding Up Chemicals: Component-Based Risk Assessment of Chemical Mixtures. Chairs: Jane Ellen Simmons (US EPA) and Richard C. Hertzberg (Biomathematics Consulting).
- **Poster Session: Poster Sessions:**
 - Mixtures - Abstract Nos. 1114-1130
 - Metals III: Various Metals and Mixtures - Abstract Nos. 2108-2136
- **Symposium Session:**
 - Evaluating the Reproductive and Developmental Effects of Botanical Dietary Supplements
- **Workshop Sessions:**

- Improving Public Health through Innovations in Exposure Science
- Measurement and Prediction of Chemicals in Consumer Products
- **Roundtable Session:**
 - Herbo-Metallic Mixtures in Traditional Medicines
- **Historical Highlights Session:**
 - NIEHS Superfund Research Program: A History of Cutting-Edge Science and Innovative Technologies

Newsletters: Two Newsletters were sent to MSS membership during 2016-2017 (Sept 2016 and March 2017).

Teleseminars: The MSS co-sponsored two webinars with the Risk Assessment SS during the 2016-2017 year:

1. Jane Clougherty, MSc, ScD (Department of Environmental and Occupational Health, Graduate School of Public Health, University of Pittsburgh) presented her talk: “Incorporating Non-Chemical Stressors into Cumulative Risk Assessment (CRA)” on September 14, 2016.
2. Marike Kolossa-Gering, PhD (German Environmental Agency, Berlin, Germany) presented her talk: “German Environmental Survey and Specimen Bank and the use of the human biomonitoring data for risk assessment” on January 11, 2017.

Contributions to SOT website: addition of 2016 award winners, photos from 2016 meetings

Other Specialty Section 2016-2017 Activities: Officers regularly participated in teleconferences (4/12/16, 5/23/17) throughout the year to discuss MSS business including: SOT Annual Meeting session submissions and proposals, awards, membership, and newsletter content. Danielle J Carlin written the annual report for the North Carolina Chapter of the Society of Toxicology (NCSOT).