

NAME OF SPECIALTY SECTION Mixtures Specialty Section

## **ANNUAL REPORT: 2015-2016**

May 1, 2015 to April 30, 2016

### **I. Officers/Committees:**

<u>Officers</u>	<u>2014-2015</u>	<u>2015-2016</u>
President:	Bruce Fowler	David Herr
Vice President:	David Herr	Meg Whittaker
Vice President-Elect:	Meg Whittaker	Cynthia Rider
Secretary/Treasurer:	Cynthia Rider	Erin Hines
Past President	David R Mattie	Bruce Fowler
Councilors:	Melanie Doyle-Eisele	Melanie Doyle-Eisele
	Vickie Wilson	Vickie Wilson
PDA Representative:	Ronald Pringle	Ronald Pringle
GSLC Representative:	Nicole Kurhanewicz	Axelle Marchand

### **II. Activities:**

At 2016 SOT Annual Meeting: Mixtures Specialty Section Officers Meeting, Monday, March 14, 2016, 6:30-7:00 AM at Café Adelaide, New Orleans, La.

Attendees: Meg Whittaker, Cynthia Rider, David Herr, Julia Rager, Nigel Walker, Axelle Marchand.

**2016 SOT Annual Meeting Reception** was held in New Orleans, La., on Tuesday, March 15, 2016.

Approximately 80 people were in attendance.

Dr. David Herr called the meeting to order at 6:00 PM.

Meeting Minutes:

- Hors d'oeuvres and networking
- Meg Whittaker welcomed everyone and provided an update on recent MSS activities.
- Mixtures Trivia: Nigel Walker MC'd the mixtures trivia. The trivia session was informational and well received by attendees.
- Meg Whittaker presented a plaque of appreciation to David Herr.
- David Herr discussed program session proposal submission.
- Meg Whittaker presented awards (see below). **Awards:**

**Best Mixtures Abstract:** Cynthia Rider (NTP/NIEHS) - plaque

**Graduate Student Award:** *Parker Duffney* (University of Rochester), - Plaque, certificate and \$500 from Wiley

**Post doctoral Award:** *Justin Conley, PhD* (US EPA), – Plaque, certificate and \$500 from Wiley

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

- Rider CV, SS Auerbach, J Hsieh, E Toka, et al. (NTP/NIEHS), Title: In Vitro Screening to In Vivo Testing of Polycyclic Aromatic Compounds at the National Toxicology Program
- Mathieu Valck et al, Title: Evaluation of the Magnitude of The Age-dependant Adjustment Factor (ADAF): a Kinetics-based Case Study with Trichloroethylene and Vinyl Chloride
- Thomas Webster et al. Title: Mixtures of Full and Partial Agonists: Several Mechanisms of Receptor Activation are Consistent with Generalized Concentration Addition
- David Mattie et al, Title: Health Hazard Assessment of Alcohol-To-Jet (ATJ) Synthetic Kerosene with Aromatics (SKA) Alternative Jet Fuel
- Margaret Pratt et al, Title: Advancing the State-of-the-Science in Estimating Cancer Risk of Polycyclic Aromatic Hydrocarbon Mixtures
- Joshua Salley et al, Title: Use of Partial Least Squares Regression to Identify GC/MS Spectral Peaks Correlated with Toxicity Outcomes in Rats of Crude Oil From Various Sources

### **2016 SOT Annual Meeting Courses/Sessions:**

- **Poster Session:** Poster Sessions:
  - Toxicity of Metal Mixtures, Abstract #s 1268 – 1277
  - Mixtures, Abstract #s 1429 – 1455
- **Workshop Sessions:**
  - Quantitative Cumulative Risk Assessment: Is It Feasible Today?
  - Potential Health and Environmental Effects of Unconventional Hydraulic Fracturing
- **Symposium Session:**
  - Unknown, Unknowns: Exploring the Unidentified Fraction of Complex Mixtures

**Newsletters:** Two Newsletters were sent to MSS membership during 2015-201 (Sept 2015 and March 2016)

**Webinars:** The MSS co-sponsored two webinars with the Risk Assessment SS during the 2015-2016 year.

1. Two speakers presented on highly fluorinated chemicals on December 9, 2015
  - Stefan Posner (Swerea) “Highly Fluorinated Chemicals: A Legal and Technical Challenge The Extensive Toxicology Data Behind Short-Chain Fluorinated Product Technology”
  - Robert Buck (The Chemours Company) “The Extensive Toxicology Data Behind Alternative Short-Chain Fluorinated Product Technology”
2. Tom Webster (Boston University) presented on Health Effects of Mixtures: Comparing Approaches in Epidemiology and Toxicology (with a discussion of the July 2015 NIEHS Workshop entitled “Statistical Approaches for Assessing Health Effects of Environmental Chemical Mixtures in Epidemiology Studies” on January 13, 2016

**Contributions to SOT website:** During 2015, the Mixtures Specialty Section updated their SOT website (<http://www.toxicology.org/groups/ss/mix/index.asp>). Artwork was produced by SOT for a Mixtures banner and logo. New pictures were added to the website along with past webinars, officer pictures, and newsletters.

**Teleconferences:** Officers regularly participated in teleconferences (3/1/16, 7/12/16) throughout the year to discuss MSS business including: SOT Annual Meeting session submissions, awards, membership, and newsletter content.