

NAME OF SPECIALTY SECTION Mixtures Specialty Section

ANNUAL REPORT: 2014-2015

May 1, 2014 to April 30, 2015

I. Officers/Committees:

<u>Officers</u>	<u>2013-2014</u>	<u>2014-2015</u>
President:	David R Mattie	Bruce Fowler
Vice President:	Bruce A Fowler	David Herr
Vice President-Elect:	David Herr	Meg Whittaker
Secretary/Treasurer:	Cynthia Rider	Cynthia Rider
Past President	Kendall B Wallace	David R Mattie
Councilors:	Kembra Howdeshell	Melanie Doyle-Eisele
	Melanie Doyle-Eisele	Vickie Wilson
PDA Representative:	Paul Eden	Ronald Pringle
GSLC Representative:	Nicole Kurhanewicz	Nicole Kurhanewicz

II. Activities:

At 2015 SOT Annual Meeting: Mixtures Specialty Section Officers Meeting, Monday, March 23, 2015, 630-7:00 AM.

Attendees: Melanie Doyle-Eisele, Bruce Fowler, David Herr, Dave Mattie, Cynthia Rider, Meg Whittaker, Nicole Kurhanewicz, and Vickie Wilson

2015 SOT Annual Meeting Reception was held in San Diego, CA, on Monday, March 23, 2015.

Approximately 80 people were in attendance.

Dr. Bruce Fowler called the meeting to order at 6:00 PM.

Meeting Minutes:

- Hors d'oeuvres and networking
- Bruce Fowler 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.
- Melanie Doyle-Eisele discussed membership and encouraged current members to recruit new members.
- Meg Whittaker presented a plaque of appreciation to Bruce Fowler.
- David Herr discussed program session proposal submission.
- Meg Whittaker presented awards (see below). **Awards:**

Best Mixtures Abstract: Krystin Carlson (University of Michigan) - plaque

Graduate Student Award: Axelle Marchand (Université de Montréal), Title: Evaluation and Modeling of the Impact of Co-Exposures to VOC Mixtures on Urinary Biomarkers—Plaque, certificate and \$500 from Wiley

Post doctoral Award: Melissa Badding, PhD (NIOSH), Pro-inflammatory Responses and Inflammasome Activation by Sintered Indium-Tin Oxide Particles – Plaque, certificate and \$500 from Wiley

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

- Krystin Carlson Title: Assessment of Ototoxicity Due to Chronic Lead and Cadmium Exposure with and without Noise Exposure in CBA/J Mice; Abstract #979
- Deborah Cory-Slechta Title: Developmental Methylmercury Exposure Produces Behavioral Toxicity in Female Mice That Is Only Seen in Combination with Prenatal Stress in Male Mice
- Susie Huang Title: Quantitative Metabolomics Informs a Systems Biological Approach to Characterize Toxicity in Zebrafish Larvae
- Axelle Marchand, Title: Evaluation and Modeling of the Impact of Co-exposures to VOC Mixtures on Urinary Biomarkers
- David Mayfield, Title: Examination of Multiple Dose-Response Analysis Methods for Estimating Dermal Cancer Risks for PAH Mixtures

2015 SOT Annual Meeting Courses/Sessions:

- **CE Course:** Demystifying Mixtures: From Study Design Selection to Risk Assessment Application (AM03)
- **Poster Session:** Toxicity of Chemical Mixtures
- **Workshop Sessions:**
 - Evaluating and Quantifying Stress for Inclusion in Cumulative Risk Assessment (Abstract #797)
 - Evaluating Similarity across Related Complex Mixtures: The Challenge of Herbal Supplements (Abstract #1672)
 - The Carcinogenicity of Outdoor Air Pollution: A Review of the IARC Evaluation of Outdoor Air Pollution and Particulate Matter in Polluted Air as Group 1 (Known) Human Lung Carcinogens and Possible Bladder Carcinogens (Abstract #2403)
- **Symposium Session:**
 - Role of the Gut Microbiome in the Host Response to Xenobiotics (Abstract #1647)

Newsletters: Two Newsletters were sent to MSS membership during 2014-2015 (Sept 2014 and March 2015)

Webinars: The MSS co-sponsored a webinar with the Risk Assessment SS

- **Speaker:** Rudel, R.A. Toxicology for Breast Cancer Prevention. Risk Assessment Specialty Section (RASS) and Mixtures Specialty Section (MSS) Webinar. September 10, 2014.
- Brenda Eskenazi, Risk Assessment and Specialty Section (RASS) and Mixtures Specialty Section (MSS) Webinar. CHAMACOS, February 11, 2015.

Contributions to SOT website: Annual Report for 2013-2014, MSS Newsletters.

Teleconferences: Officers regularly participated in teleconferences (4/7/14, 2/6/15) throughout the year to discuss MSS business including: SOT Annual Meeting session submissions, awards, membership, and newsletter content.