

NAME OF SPECIALTY SECTION Mixtures Specialty Section

ANNUAL REPORT: 2013-2014

May 1, 2013 to April 30, 2014

I. Officers/Committees:

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

II. Activities:

At 2014 SOT Annual Meeting: Mixtures Specialty Section Officers Meeting, Tuesday, March 25, 2014, 7:00-8:00 AM.

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

2014 SOT Annual Meeting Reception was held in Phoenix, Arizona on Wednesday, March 26, 2014.

Approximately 75 people were in attendance.

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

Meeting Minutes:

- Hors d'oeuvres and networking
- David Mattie welcomed everyone and provided an update on recent MSS activities.
- Elaina M. Kenyon from the SOT CCR committee provided information on developing a CCR workshop.
- Cynthia Rider provided the financial statement (\$4344 as of January) and discussed the Newsletter.
- Mixtures Debate: Jane Ellen Simmons and Michael DeVito debated the future of mixtures risk assessment. The debate was informational and well received by attendees.
- Kembra Howdeshell discussed the RASS/MixSS joint seminar series and asked for speaker nominations.
- Melanie Doyle-Eisele discussed membership and encouraged current members to recruit new members.
- Bruce Fowler presented a plaque of appreciation to outgoing president David Mattie.
- David Herr discussed program session proposal submission.
- David Herr presented awards (see below).

Awards:

Best Mixtures Abstract: Kembra Howdeshell (NIEHS/NTP) - plaque

Graduate Student Award: Axelle Marchand (Université de Montréal), Title: Studying the Impact of Volatile Organic Chemical Coexposures on the Urinary Excretion of Their Metabolites in Human Volunteers

– Plaque, certificate and \$500 from Wiley

Post doctoral Award: Laura Datko-Williams (ORISE), Title: Assessment of In vivo Toxicological Interactions from Criteria Air Pollutant Mixtures

– Plaque, certificate and \$500 from Wiley

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

- Authors: N. Catlin, S.M. Huse, K. Boekelheide; Title: The Stage-Specific Apoptotic Response of the Rat Testis to Low-Dose 2,5-Hexanedione and X-Irradiation Coexposure; Abstract #1710
- Authors: K.L. Howdeshell, C.V. Rider, J.R. Furr, V.S. Wilson, L.E. Gray; Title: Dose Addition Predicts Effects of Phthalate Mixture on Male Reproductive Tract Development and Associated Fetal Testis Gene Expression in Rats; Abstract #1713c
- Authors: A. Leblanc, E. Blanc, A. Ambolet-Camoit, C. Benelli, S. Bortoli, R. Barouki, M. Aggerbeck; Title: Xenobiotic Mixtures Decrease Human Hepatic Gluconeogenesis and Glucose Oxidation; Abstract #1011
- Authors: A. Marchand, R. Aranda-Rodriguez, A. Nong, S. Haddad; Title: Studying the Impact of Volatile Organic Chemical Coexposures on the Urinary Excretion of Their Metabolites in Human Volunteers; Abstract #1012
- Authors: A.M. Vinggaard, N. Hadrup, M. Pedersen, K. Skov, L.O. Bertelsen, H. Frandsen, K.G. Kongsbak, J. Boberg, U. Hass; Title: Mixture Effects at Human Relevant Exposure Levels?; Abstract #1018d

2014 SOT Annual Meeting Courses/Sessions:

- **Poster Session:** Toxicity of Chemical Mixtures
- **Workshop Session:** Developmental Toxicity from Chemical Mixtures: Research to Application in Susceptible Populations (sponsored by MixSS); **Session chairs:** Danielle Carlin (NIEHS) and Moiz Mumtaz (CDC-ATSDR); **Speakers:** R.O. Wright (Mount Sinai School of Medicine, New York), D.A. Slechta (University of Rochester), R. Tornero-Velez (US EPA), C. Gennings (Virginia Commonwealth University), and M.L. Dourson (Toxicology Excellence for Risk Assessment)

Newsletters: Two Newsletters were sent to MSS membership during 2013-2014 (Sept 2013 and March 2014)

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

- **Speaker:** Chirag Patel, PhD, DACVP, Harvard Medical School; **Title:** Environment-wide Association Studies (EWAS) to Connect Multiple Personal Exposures to Health; **When:** January 8, 2014 at 3 pm

Contributions to SOT website: annual report for 2012-2013, MSS Newsletters

Teleconferences: Officers regularly participated in teleconferences (13 May, 14 Jun, 27 Sep, 25 Oct, 18 Dec, 24 Jan and 25 Feb) throughout the year to discuss MSS business including: SOT Annual Meeting session submissions, awards, membership, and newsletter content.