

MOUNTAIN WEST REGIONAL CHAPTER

ANNUAL REPORT: 2018-2019

May 1, 2018 to April 30, 2019

I. Officers/Committees:

<u>Officers</u>	<u>2018-2019</u>	<u>2019-2020</u>
President:	Debra MacKenzie	Ting Wang
Vice President:	Ting Wang	Ronald Tjalkens
Vice President Elect:	Ronald Tjalkens	Mirella Meyer-Ficca
Secretary/Treasurer:	Karen Cooper	Karen Cooper
Past President	Cassandra Rice	Debra MacKenzie
Councilors:	Yin Chen	Alicia Bolt
	Alicia Bolt	Melanie Doyle-Eisele
PDA Representative:	Erica Dashner	Tosifa Memon
GSLC Representative:	Erica Toth	Katherine Burrell
Junior Student Representative	Katherine Burrell	Sumira Phatak

II. Activities:

36th Annual MWSOT Regional Chapter Meeting was held in Phoenix, Arizona at the Convention Room in the Biomedical Sciences Partnership Building on Phoenix Biomedical Campus (PBC) from September 19-21, 2018. The Regional meeting this year was co-hosted by College of Medicine Phoenix (COM-



Figure 1. MWSOT Keynote Speakers. Hartmut Jaeschke, PhD (left) and Ana Navas-Acien, PhD (right).

P) of University of Arizona. The theme for the joint conference was “Translational Toxicology—from Bench to Bedside”. The agenda for this conference is included as Appendix I. This conference started with a joint reception and networking event on PBC at downtown Phoenix on September 19. On the following day, the meeting began with a keynote lecture given by Hartmut Jaeschke, PhD, Chair and Distinguished Professor of Pharmacology, Toxicology & Therapeutics at the University of Kansas Medical Center, with the title “Acetaminophen-induced liver injury: translating toxicity mechanisms in animals to humans”. Following the Keynote lecture, the meeting broke into separate thematic sessions, including Translational Toxicology Session I, Undergraduate/Graduate Toxicology outreach program, Translational Toxicology Session II, Student Platform Session I, and a Reception/Poster Session. On September 21, the meeting started with the second keynote lecture “Metals and Cardiovascular Disease: Evidence, Mechanisms, and Opportunities for Prevention”, given by Ana Navas-Acien, PhD, Professor of Environmental Health Sciences and Director of Columbia University Superfund Research Program. Following this keynote lecture, Student Platform Session II and Translational Toxicology Session III were held. The meeting was ended with the Trainee Awards Presentation. Thirty-two posters have been selected for presentation.

Awardees:

- The Yost Outstanding Graduate Student Award: Sumira Phatak
- Outstanding Poster Presentation Award: Collin M. Bantle
- Outstanding Oral Presentation Award: Michael Kerins
- Poster Presentation Award: Gabriel T. Kelly, Nam Nguyen, and Sebastian Medina
- Postdoctoral Oral Presentation Award: Tosifa Memon, Katriana Popichak, and Nataliia Kovalchuk



Figure 2. MWSOT Annual Conference Awardees. From left: Gabriel T. Kelly, Sumira Phatak, Nam Nguyen, Michael Kerins, Tosifa Memon, Nataliia Kovalchuk, Sebastian Medina.

Selected Key Translational Toxicology Lectures

Kenneth Ramos	“Translating LINE-1 Retroelement Biology into Clinical Practice”
Matt Campen	“Assessing Cardiorespiratory Risk from Dusts Arising from Uranium Mines on Tribal Lands”
Steven Curry	“Pharmacogenomic Analysis of a Patient with Unexpectedly Severe Hepatotoxicity and Hemolysis after Acetaminophen Overdose Despite Early N-Acetylcysteine Therapy”
Jefferey Burgess	“Epigenetic Markers in Firefighters”
Xinxin Ding	“Utility of Transgenic Mice for Identification of Biomarkers and Metabolism-mediated Toxicological Mechanisms”
James J Galligan	“Methylglyoxal-derived post-translational arginine modifications are abundant histone marks”
Zelieann Craig	“Environmentally-Relevant Phthalate Exposures and Ovarian Function”



Figure 3. MWSOT Annual Conference Attendees (part).

Undergraduate/Graduate Toxicology Outreach Program

This special program sponsored by SOT and Thermo Scientific intended to give career development guide to undergraduate and graduate students in Toxicology. Four lectures were selected to represent four different career paths of Toxicology:

- Introduction: Ting Wang
- Industrial Toxicology: Thomas Grizzle
- Biomedical Careers: non-academic VS academic: Amanda Rice
- Medical Toxicology: Craig Will Heise
- Scientist Career Paths in Biotech: Tara Gonzales

Fund support

The meeting was supported by funds from the SOT as well as support from the University of Arizona College of Medicine Phenix, Department of Internal Medicine, and BIO5 Institute. This event is also supported by Arizona Biomedical Research Centre, a division of Arizona Department of Health Services.



Figure 4. MWSOT officers. From left: Erica Toth, Cassandra Rice, Karen Cooper, Debra MacKenzie, Erica Dashner, Alicia Bolt.

2019 Mountain West SOT Annual Meeting Reception was held on March 12, 2019 from 7-10 pm at the Ripley's Believe

It or Not Museum (301 Light St Light St. Pavillion, Baltimore, MD 21202). This is a joint networking event with colleagues and reconnecting with friends, in partnership with colleagues from the Southern California and Northeast Regional Chapter. Approximately 250 people attended the networking reception (~60 from MWSOT).

Plans for the upcoming year:

The 37th annual meeting of the MWSOT regional chapter will be held September 17–19, 2019 at the Colorado State University campus in Fort Collins, CO. The theme of the meeting is “Integrative Toxicology—Exposures, Mechanisms and Clinical Outcomes”. We will have joint plenary talks, poster sessions, student career development lunch, and social hours.

Keynote Speaker: Dr. David Schwartz, Chair of Medicine, UC Denver Anschutz Medical Campus, Past Director—NIEHS