

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:	Donna D. Zhang	Rhiannon N. Hardwick
Vice President:	Rhiannon N. Hardwick	Brian Day
Vice President-Elect:	Brian Day	Dan Petersen
Secretary/Treasurer:	Martin J. Ronis	Jonathan Maher
Past President	Brian S. Cummings	Donna D. Zhang
Councilors:	Kristina K. Wolf	John Clarke
	James Luyendyk	James Luyendyk
PDA Representative:	Laura Armstrong	Dahea Diana You
GSLC Representative:	Cody J. Schmidin	Emily Marques

II. Activities:

2019 SOT Annual Meeting Reception was held in Baltimore, Maryland beginning March 10th, 2019. Approximately 125 people were in attendance. The Mechanisms SS Annual Meeting was called to order at 6 PM on March 11th, 2019.

Business Meeting Officers/Speakers/Presenters: Drs. Brian Day, Donna Zhang, Rhiannon Hardwick and Martin Ronis.

Meeting Minutes: Dr. Hardwick called the reception to order and welcomed all guests. The attached presentation (award recipient photos added after event) was given covering the SS-endorsed “*Cellular and Molecular Mechanisms of Toxicity*” Gordon Conference, Career Mentoring Reception (co-sponsored with other SS) endorsed sessions at the Annual Meeting, endowment fund financials, and the annual awards.

III. Awards:

Sheldon D. Murphy Student Travel Award (\$500 each)

Elizabeth Corteselli, *US EPA*

Ludwik Gorczyca, *Rutgers University*

Tiffanie Hargraves, *University of Arizona*

Archit Rastogi, *University of Massachusetts at Amherst*

Argel Isla Robles, *University of Arizona*

Ronald G. Thurman Student Travel Award (\$500 each)

Jephthe Akakpo, *University of Kansas Medical Center*

Monika Roy, *University of Massachusetts at Amherst*

Postdoctoral Student Travel Award (\$500 each)

Lauren Poole Hardy, *Michigan State University*

Andreas Henriquez, *ORISE, NHEERL*

Robert J. Rubin Student Travel Award (\$750 each, jointly administered with Risk Assessment Specialty Section)

Robert Freeborn, *Michigan State University*

Renal Toxicology Award

1st Place— Yu-Syuan Luo, *Texas A&M University* (\$1000)

2nd Place— Tarana Arman, *Washington State University* (\$500)

3rd Place— Yu-Wei Chang, *Texas Tech University* (\$250)

Gabriel L. Plaa Education Award

1st Place— Matthew Dodson, *University of Arizona* (\$1500)

2nd Place— Aseel Eid, *Florida International University* (\$1000)

3rd Place— Asmita Pant, *Michigan State University* (\$750)

Carl C. Smith Graduate Student Award

1st Place— Robert Freeborn, *Michigan State University* (\$2000)

2nd Place— Kelly Hanson, *University of Rochester Medical Center* (\$1000)

3rd Place— Jessica Murray, *University of Pennsylvania* (\$750)

Honorable Mention:

- Elana Elkin – *University of Michigan*
- Kelly Fader – *Michigan State University*
- Erica Toth – *University of Arizona*
- Cody Schmidlin – *University of Arizona*

Career Achievement Award

Lois Lehman-McKeeman, PhD, ATS-- *Bristol-Myers Squibb*

IV. 2019 SOT Annual Meeting Courses/Sessions Endorsements:

Day	Time	Session Type/Number	Title
10MAR	8:15AM-12:00PM	CE/AM-03	Assay Development Principles and Good Research Practices for Rigor and Reproducibility in In Vitro Toxicology
	1:15PM-5:00PM	CE/PM-14	Structural and Functional Alterations of Mitochondria in Chemically Induced Cytotoxicity
11MAR	9:15AM-12:00PM	Workshop/WKSP-10	Mechanisms and Effects of Diabetogenic Environmental Metals: Type II Diabetes Mellitus

			and Diabetic Kidney Disease
		Workshop/WKSP-15	Pharmaceutical Investigative Toxicology: Case Studies in Optimizing Drug Discovery and Guiding Human Risk Assessment
		Symposium/SYM-02	Alpha-Synuclein: A Good Protein Turned Bad in Chronic Brain Diseases with Toxicological Implications
		Symposium/SYM-10	Novel Genetic-Based Tools for Evaluating Toxicity Potential, Mechanism of Action, and Population Dynamics
	1:45PM-4:30PM	Workshop/WKSP-13	NextGen Renal Proximal Tubule Toxicity Screening: Novel Cellular Model and Complex Culture Platforms
12MAR	8:00AM-10:45AM	Workshop/WKSP-08	Emergent Mechanisms of Cytochrome P450 Gene Regulation: Defining an Improved Roadmap toward 21 st -Century Pharmacogenomics
		Symposium/SYM-16	Stem Cells and Metals Toxicity: From Tissue Regeneration and Repair to Carcinogenesis
		Symposium/SYM-18	Systems Toxicology Approaches to the Science of Safety Evaluation
	1:00PM-2:30PM	Symposium/SYM90-01	Explicating the Pathogenic Environmental Factors in Nonalcoholic Fatty Liver Disease
	3:00PM-4:30PM	Symposium/SYM90-05	Perfluoroalkyl Substances (PFAS): Global and Persistent Environmental Contaminants
13MAR	8:00AM-10:45AM	Symposium/SYM-19	The Role of Dynamic RNA Modifications in Environmental Response and Disease
	1:30PM-4:15PM	Symposium/SYM-14	Role of Oxidative Stress in Health and Disease: Mechanisms, Methods of Detection, and Biomarkers
14MAR	8:30AM-11:15AM	Workshop/WKSP-24	Use of Adverse Outcome Pathways to Design Nonanimal Testing Strategies for Assessing Inhalation Toxicity
		Symposium/SYM-12	Preconception Exposure to Toxicants: Assessing Gamete Quality and Reproductive Outcomes
		Symposium/SYM-08	New Mechanistic Insights into Causes and Outcomes of Epigenetic Dysregulation by Carcinogenic Metals

V. Endowment Fund Details (updated March 2019):

Qrtly Report Ending Mar. 2019	Sheldon D. Murphy Award	Ronald G. Thurman Award	Robert J. Rubin Award	Renal Toxicology Award	Gabriel L. Plaa Award	Carl C. Smith Award
Gain/(Loss)	+2,385	+1,280	+1,123	+1,908	+2,416	+2,846

Contributions (SOT Match)	-	-	-	-	-	-
Net Assets	103,871	55,737	48,919	83,116	105,231	123,981

VI. Newsletters:
Fall 2019-2020 Newsletter (see attached)

VII. Teleseminars:
N/A

VIII. White Papers:
N/A

IX. Contributions to SOT website:

X. Other Specialty Section 2018-2019 Activities:

- Endorsement of 2019 Cellular and Molecular Mechanisms of Toxicity Gordon Research Conference (endorsement letter provided June 2018)
- Co-sponsored (with MSBSS, IVAM, RSESS, and CTSS) career mentoring event for graduate students and postdocs held during Annual Meeting (Monday, March 11, 7:30-9:30pm) with several Mechanisms SS members also serving as mentors for the event.