

NAME OF SPECIALTY SECTION ____Inhalation and Respiratory_____

ANNUAL REPORT: 2017-2018

May 1, 2017 to April 30, 2018

I. Officers/Committees:

<u>Officers</u>	<u>2016-2017</u>	<u>2017-2018</u>
President:	Flemming R. Cassee	Jon A. Hotchkiss
Vice President:	Jon A Hotchkiss	Debra Laskin
Vice President-Elect:	Debra Laskin	Matthew J. Campen
Secretary/Treasurer:	Laura S Van Winkle	Melanie Doyle-Eisele
Past President	Jacob D. McDonald	Flemming R. Cassee
Councilors:	Daniel J Conklin	Andrea De Vizcava-Ruiz
	Patti C Zeidler-Erdely	Irfan Rahman
	Andrea De Vizcava-Ruiz	Judith T. Zeilkoff
	Irfan Rahman	Ilona Jaspers
PDA Representative:	Jaime Mirowsky	Donald Scott Anderson
GSLC Representative:	Sarah Carratt	Tamera Young

II. Activities:

2018 SOT Annual Meeting Reception was held in San Antonio, Tx on March 19, 2018.

Approximately 100 people were in attendance.

Dr. Hotchkiss called the meeting to order and the presentation is attached (see Attachment I).

Awards:

Graduate Student Award- Katherine Roach, MPH, University of West Virginia

Mary Amdur Student Award – Elisabeth Cortesellie, MSPH, UNC Chapel Hill

Postdoctoral Award – Angela Groves, PhD, University of Rochester Medical Center

Donald E Gardner Award – Meghan Elizabeth Rebuli, University of North Carolina

Young Investigator Award – Kambez Hajipouran Benan, University of Colorado, Aurora CO

Career award- Jack R. Harkema, DVM, PhD, Dipl ACVP, ATSF

Paper of the Year: Bishop L, Cena L, Orandle M, Yanamala N, Dahm MM, Birch ME, Evans DE, Kodali VK, Eye T, Battelli L, Zeidler-Erdely PC, Casuccio G, Bunker K, Lupoi JS, Lersch TL, Stefaniak AB, Sager T, Afshari A, Schwegler-Berry D, Friend S, Kang J, Siegrist KJ, Mitchell CA, Lowry DT, Kashon ML, Mercer RR, Geraci CL, Schubauer-Berigan MK, Sargent LM, Erdely A. In

Vivo Toxicity Assessment of Occupational Components of the Carbon Nanotube Life Cycle to Provide Context to Potential Health Effects. ACS Nano. 2017 Sep 26;11(9):8849-8863.

2018 SOT Annual Meeting Courses/Sessions:

Workshops:

- Monday, March 12 - 9:15 AM – 12:00 Noon, CC Room 303
“Assessing the Dose of Particles in Toxicology Studies: Advances in Dosimetry Models for *In Vitro* and *In Vivo* Applications in Light of Risk Assessment”
Chairs: Flemming R. Cassee, PhD and Justin G. Teeguarden, PhD

Symposia:

- Monday, March 12 - 1:45 - 4:30 PM, CC Room 303
“Alternative Testing Strategies for Nanomaterials and Ultrafine Particles”
Chairs: Monita Sharma, PhD and Justin G. Teeguarden, PhD
- Tuesday, March 13 - 8:00 – 10:45 AM, CC Stars at Night Ballroom B2
“Mitochondria Biogenesis and Dysfunction in Cellular Senescence in Cardiopulmonary System”
Chairs: Irfan Rahman, PhD and James G. Wagner, PhD
- Tuesday, March 13 - 1:30 – 4:15 PM, CC Stars at Night Ballroom B2
“Stressors from Within: Neuroendocrine Regulation of Air Pollution-Induced Pulmonary and Systemic Health Effects”
Chairs: Urmila P. Kodavanti, PhD and Samantha J. Snow, PhD
- Thursday, March 15 - 8:30 – 11:15 AM, CC Room 302
“*In Vitro* Test Methods to Model Local Respiratory Effects after Exposure to Pulmonary Toxicants: Not Just Smoke and Mirrors.”
Chairs: Holger Behrsing, PhD and Mark Higuchi, PhD

Roundtable Session

- Tuesday, March 13 - 11:00 AM – 12:20 PM, CC Room 301
“Alternative Toxicology Approaches to Evaluate Next-Generation Nicotine Products”
Chairs: John R. Fowle III, PhD and Erin Hill, PhD

Endowment Fund Details:

Donald E Gardner Fund

Assets at beginning of 9 mos	\$57,398
Expenditure: 1 award	has not paid out yet as of March 31, 2018
Assets at March 31, 2018	\$62,795

Mary Amdur Fund

Assets at beginning of 9 mos	\$92,280
Expenditure: 1 award	\$500
Assets at March 31, 2018	\$98,662

Newsletters: December 2017

IRSS Webinars:

June 2018. 3D Organ-on-Chip Framework and Translational Research by Environmental Exposures in Inhalation Toxicology.

Co-Chairs: Irfan Rahman and Matthew J. Campen

Speaker: Kambez H. Benam

February 2018. Adverse Outcome Pathway Framework in Inhalation and Respiratory Toxicology.

Co-Chairs: Irfan Rahman and Matthew J. Campen

Speaker: Sabina Halappanavar

E-Journal Club:

1. Ozone Exposure Increases Circulating Stress Hormones and Lipid Metabolites in Humans.
 - a. U. P. Kodavanti
2. In Vivo Toxicity Assessment of Occupational Components of the Carbon Nanotube Life Cycle to Provide Context to Potential Health Effects
 - a. L. Bishop

White Papers: None

Contributions to SOT website: None

Other Specialty Section 2017-2018 Activities:

_____ Officer teleconferences