

NAME OF SPECIALTY SECTION Nanotoxicology

## **ANNUAL REPORT: 2015-2016**

May 1, 2015 to April 30, 2016

### **I. Officers/Committees:**

<u>Officers</u>	<u>2014-2015</u>	<u>2015-2016</u>
President:	Saber M Hussain	James Christopher Bonner
Vice President:	James Bonner	Robert L Tanguay
Vice President-Elect:	Robert L Tanguay	Timothy R Nurkiewicz
Secretary/Treasurer:	Edward Reverdy	Brian D Thrall
Past President	Alison C P Elder	Saber M Hussain
Councilors:	Andrij Holian	Jared M Brown
	Jared Brown	Tara Sabo-Attwood
PDA Representative:	Matthew Grogg	Anurag Mishra
GSLC Representative:	Marusia ("Mary") Popovech	Katherine Dunnick
Vice Graduate Student Representative:		David Harold Ellis

**Committees:** Webinar, Program, Awards, Newsletter, Nominations, Website

### **II. Activities:**

**2016 SOT Annual Meeting Reception** was held in New Orleans, Louisiana on March 16, 2016. Approximately 120 people were in attendance.

Dr. Jamie Bonner called the meeting to order at 6:30 PM on (Date).

Business Meeting Speaker: Dr. Robert Tanguay and Dr. Tim Nurkiewicz

#### Graduate Student Awards:

1<sup>st</sup> place – Monica Johnson, University of Colorado. Prof. Jared Brown

1<sup>st</sup> place – Katelyn Siegrist, NIOSH Morgantown, Dr. Linda Sargent

#### Postdoctoral Awards:

1<sup>st</sup> place – Dr. Parwathy Chandran, Kansas State University. Prof. Nancy Montiero-Riviere

1<sup>st</sup> place – Dr. Donna Davidson, West Virginia University. Prof. Liying Wang

#### Best Publication Award:

Dr. Phoebe Stapleton, PhD

Stapleton PA, Nicols CE, Yi J, McBride CR, Minarchick VC, Shepard DL, Hollander JM, Nurkiewicz TR. Microvascular and mitochondrial dysfunction in the female F1 generation after gestational TiO<sub>2</sub> nanoparticle exposure. *Nanotoxicology*, 2015; 9(8): 941-951

## **2016 SOT Annual Meeting Courses/Sessions:**

### *Workshops*

Nanotoxicology and Ocular Drug Delivery: One Size Does Not Fit All.  
Chairs: Chris Somps and Donald Fox, March 14th, 9:30 AM – 12:15 PM

In vitro Dosimetry of Engineered Nanomaterials: Too Complicated to Consider Too Important to Ignore.

Chairs: Saber Hussain, and Philip Demokritou, March 16th, 2:00 PM – 4:45 PM

Nanotoxicology: In vivo

Chairs: Alison Elder and Nicklas Jacobson, March 15th, 2:00 pm – 4:45 PM

### *Symposia*

Health and Environmental Hazard Assessments of Nanomaterials Along Their Lifecycle.  
Chairs: Aaron Erdely and James Bonner, March 14th, 2:00 PM – 4:45 PM

### Poster Sessions

Nanotoxicology: General

Chairs: Zhongyuan Guo, and Tahereh Zoglara, March 14, :1:15 PM – 4:30 PM

Nanotoxicology: In vitro

Chair: Jonathan Shannahan, March 16, 9:30 AM – 12:45 PM

Nanotoxicology, In Vivo

Chair: Arno Gutleb, March 16, 9:30 AM – 12:45 PM

Nanotoxicology, Carbon-Based

Chair: Salik Hussain, March 16, 9:30 AM – 12:45 PM

Newsletters: June 2015 (available on NTSS website)

### **Teleseminars: A Framework to Support Decision-Making: Tools for Classification, Release, and Exposure Assessment of Nanotechnology**

Jeffery Steevens, PhD, U.S. Army Engineer Research and Development Center Vicksburg, MS, May 27, 2015

### **Contributions to SOT website:**

The updated NTSS web page on the SOT web site now has a section that is targeted to students and postdoctoral fellows to better connect them to each other and the existing programming for trainees at SOT.

### **Other Specialty Section 2015-2016 Activities:**

- Networking and Meet our Graduate Student and Post-Doc Members

Networking is encouraged at the annual reception through the use of small incentives, including Starbucks coffee gift cards, to promote interaction between members. This networking opportunity effectively fosters connections between student/post-doc members with more senior members, which are vital for career development.

- Mentor-Mentee Match

Small groups consisting of mentees (students/post-docs) and mentors (associate/full members) are formed based on common research interests and goals and encouraged to arrange a casual meeting during the annual SOT conference. This mentoring initiative creates a unique opportunity for mentees to ask specific questions regarding challenges that mentors face in their current positions and garner advice for future career paths. This program was supported with matching funds from the SOT Career Resource and the Development committee.

### **NTSS Member Achievements and Contributions**

- Special Issue: Toxicology and Applied Pharmacology. Volume 299, May 15, 2016  
The First Decade of Nanotoxicology: Achievements, Disappointments and Lessons  
Guest Editors: Anna A. Shvedova, Antonio Pietroiusti, Valerian Kagan
- Katherine Dunnick: Colgate-Palmolive Postdoctoral Fellowship Award in In vitro Toxicology
- Nancy Monteiro-Riviere: SOT Eminent Toxicology Lecture "Frontiers in Nanotoxicology of the Skin"
- Andrij Holian, Matthew Campen: SOT Awards Committee
- Anna Shvedova, Valerian Kagan, Vincent Castranova, David Warheit: Thomson-Reuters Highly Cited Investigators for 2015 in the field of Toxicology/Pharmacology