

NAME OF SPECIALTY SECTION Nanotoxicology

ANNUAL REPORT: 2014-2015

May 1, 2014 to April 30, 2015

I. Officers/Committees:

<u>Officers</u>	<u>2014-2015</u>	<u>2015-2016</u>
President:	Saber Hussain	James Bonner
Vice President:	James Bonner	Robert Tanguay
Vice President-Elect:	Robert Tanguay	Tim Nurkiewicz
Secretary/Treasurer:	Edward Reverdy	Brian Thrall
Past President	Alison Elder	Saber Hussain
Councilors:	Andrij Holian	Jared Brown
	Jared Brown	Tara Sabo-Attwood
PDA Representative:	Matthew Grogg	Anurag Mishra
Vice-Student (GSLC) Representative:	Mary Popovech	David Ellis
Student (GS) Representative:	David Ellis	Katherine Dunnick

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

II. Activities:

2015 SOT Annual Meeting Reception was held in San Diego, CA on March 23, 2015

Approximately 150 people were in attendance. Dr. Saber Hussain called the meeting to order at 7 PM on March 23, 2015

Business Meeting Speakers: Dr. James Bonner and Dr. David Warheit

Graduate Student Awards: **1st place** – Kelly Shipkowski, NC State University. Prof: J. Bonner

2nd place – David Scoville, University of Washington. Prof: T. Kavanagh

3rd place – Mario Aragon, University of NM. Prof: M. Campen

Postdoctoral Student Award: **1st place** – Dr. Jonathan Shanahan, UC Denver, Prof: J. Brown

2nd place – Dr. Abhilash Sasidharan- Kansas State University, Prof: N. Monteiro-Riviere

3rd place – NA

Best Publication Award: Dr. Brittany Baisch,
Baisch BL, Corson NM, Wade-Mercer P, Gelein R, Kennell AJ, Oberdörster G, Elder A*. Equivalent Titanium Dioxide Nanoparticle Deposition by Intratracheal Instillation and Whole Body Inhalation: The Effect of Dose Rate on Acute Respiratory Tract Inflammation. *Particle and Fibre Toxicology*, 2014 11,5.

2015 SOT Annual Meeting Courses/Sessions:

Merit Award Lecture

Chronicles of Particles: From Micro to Nano-Particles. Günter Oberdörster, March 23, 2015, 12:30PM -1:30PM

Symposia

Immune Responses to Different Classes of Inhaled Particulates: Unique vs. Shared Responses and Mechanisms. Chairs: Andrij Holian, Seishiro Hirano, March 24, 2015, 9:00 AM- 11:45 AM

Comprehensive Analysis of Nano SilverToxicity Profiles: Known, Unknown, and Surprises!

Chairs: Srikanth Nadadur, Linda Birnbaum, March 26, 2015 9:00 AM-11:45 AM

Workshop

Pulmonary Toxicity of Graphene Nanomaterials: An Emerging Concern in Manufacturing and Applications? Chairs: Jenny Roberts, Aaron Erdely, March 23, 2015, 2:00-4:15 PM

Poster Session

Nanotoxicology, Carbon-Based Nanomaterials, Chair: David Warheit, March 24, 2015, 1:00 PM to 4:30 PM

Newsletters: November 2014, June 2015 (available on NTSS website)

Teleseminars:

- **Surveying the Nanomaterial Industry: Lessons Learned and Challenges**
Barbara Herr Harthorn, PhD, University of California, Santa Barbara, March 10th, 2014
- **Challenges and Advances in Nanomaterial Research**
Andrij Holian, PhD, University of Montana (CEHS), May 22nd, 2014
- **Risk Communication and EHS: Some Precautions**
David Berube, PhD, Center for Emerging Technologies, LLC, November 18th, 2014

White Papers:

Contributions to SOT website: The 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 2014-2015 Activities:

- Networking and Meet our Graduate Student and Post-Doc Members
 - Networking is encouraged at the annual reception through the use of small incentives, such as coffee gift cards, to promote interaction between members. This networking opportunity 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 Development committee in 2015.

NTSS Member Achievements and Contributions

- Colgate-Palmolive In vitro Toxicology Lecturer for Students, James Bonner (NTSS Vice-President), North Carolina State University
- SOT Nominating Committee, Alison Elder (NTSS Past-President)
- SOT Specialty Section-Collaboration and Communication Group, Alison Elder
- SOT Continuing Education Committee, Saber Hussain (NTSS President)
- SOT Awards Committee, Andrij Holian (NTSS Councilor)
- SOT Graduate Student Leadership Committee, Mary Popovech (NTSS Vice-Student Rep)
- SOT Postdoctoral Assembly Representative, Matthew Grogg (NTSS Postdoctoral Rep)