

NAME OF SPECIALTY SECTION Nanotoxicology

## **ANNUAL REPORT: 2013-2014**

May 1, 2013 to April 30, 2014

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

<u>Officers</u>	<u>2013-2014</u>	<u>2014-2015</u>
President:	Alison Elder	Saber M Hussain
Vice President:	Saber M Hussain	James Bonner
Vice President-Elect:	James Bonner	Robert Tanguay
Secretary/Treasurer:	Edward Reverdy	Edward Reverdy
Past President	Joyce S Tsuji	Alison Elder
Councilors:	David W Hobson	Andrij Holian
	Andrij Holian	Jared Brown
PDA Representative:	Amy Wang	Matthew Grogg
Vice-Student (GSLC) Representative:	Christin M Grabinski	Mary Popovech
Student (GS) Representative:	Mary Popovech	Katherine Dunnick

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

### **II. Activities:**

**2014 SOT Annual Meeting Reception** was held in Phoenix, Arizona on March 24, 2014. Approximately 150 people were in attendance. Dr. Alison Elder called the meeting to order at 7 PM on March 24, 2014.

Business Meeting Speaker: Prof. Günter Oberdörster

Meeting Minutes: (see Attachment I)

Graduate Student Awards: **1<sup>st</sup> place** – Valerie Minarchick, West Virginia University. Prof: TR Nurkiewicz  
**2<sup>nd</sup> place** – Forrest Jessop, University of Montana. Prof: Andrij Holian  
**3<sup>rd</sup> place** - Katherine Dunnick, School of Pharmacy - West Virginia University, Prof: S. S. Leonard

Postdoctoral Student Award: **1<sup>st</sup> place poster** – Dr. Salik Hussain, NIEHS, Prof: S. Garantziotis  
**2<sup>nd</sup> place poster** – Dr. Amy Wang- EPA, Prof: K Houck  
**3<sup>rd</sup> place poster** – Dr. Phoebe Stapleton, West Virginia University. Prof: TR Nurkiewicz

Best Publication Award: Dr. Brian C. Sayers,  
B.C. Sayers, et al., (2012) Role of Cyclooxygenase-2 in Exacerbation of Allergen-Induced Airway Remodeling by Multiwalled Carbon

Nanotubes. American Journal of Respiratory Cellular & Molecular Biology, Vol 49, Iss. 4, pp 525–535.

Special Recognition Award: for Outstanding Contributions to the Field of Nanotoxicology-  
Prof. Günter Oberdörster, University of Rochester

## **2014 SOT Annual Meeting Courses/Sessions:**

### *Continuing Education Nanotoxicology:*

Past Achievements, Future Challenges, and Potential Solutions Chairs: Saber M Hussain & David B Warheit, March 23, 2014, 1:15-5:00 PM

### *Symposia*

Carbon Nanotubes Are Toxic in Experimental Models: What's Next, Who's Being Exposed, and Should We Be Concerned? Chairs: Jim Antonini, Aaron Erdely, 24 March 2014, 9:15 AM-12:00 PM

Three Dimensions of Nanomaterial Pulmonary Toxicity: Innate Immunity, TLRs, and Inflammasomes. Chairs: Jared Brown, Srikanth Nadadur, March 26, 2014 9:00 AM-11:45 AM

### *Workshop*

Addressing Uncertainties of the Toxicology of Nanomaterials in Food and Food Contact Products

Chairs: Annette Santamaria, Christie Sayes, March 25, 2014, 1:30-4:15 PM

### *Exhibitor-Hosted Session*

Nanomaterial Characterization Techniques in Regard to Current EU Regulations

Chair: Malvern Instruments, March 25, 2014, 9:45-10:45AM

### *Poster Session*

*Nanotoxicology: General and Carbon-Based*, Chairs: Todd Stueckle, Yongbin Zhang, March 24, 2014, 1:00 PM to 4:30 PM

*Nanotoxicology: Metals, Environmental, and In Silico*: Chairs: Nancy Monteiro-Riviere, Justin Teeguarden, March 25, 2014, 9:00 AM-12:30 PM

*Nanotoxicology: In Vitro and In Vivo*, Chairs: Saura Sahu and Kristine Willett, March 26, 2014, 1:00 PM to 4:30 PM

Endowment Fund Details: The specialty section is considering if an endowment should be pursued.  
NEED HELP

**Newsletters:** March 2013, October 2013 (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
- **Progress towards Understanding the Health Effects of Carbon Nanotubes**  
James C. Bonner, PhD, North Carolina State University, December 17th, 2013
- **Practical Nanotoxicology**, David Hobson, PhD, DABT, LoneStarPharmTox LLC, Texas  
December 4, 2013, *Co-sponsored with ACT and British Toxicology Society*
- **Assessment of strategies for the safety of industrial nanomaterials in Europe**  
Dr. Robert Landsiedel, PhD, BASF, Germany, February 26, 2013

### **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 2013-2014 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 2014.

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

- Outstanding Graduate Student Leadership Committee award recipient, Christin Grabinski
  - Recognition of involvement in student leadership at many levels and commitment to the NTSS
- SOT Career Resources and Development (CRAD) services support for mentoring activities
  - Matching funds in support of the NTSS mentor/mentee gatherings
- Newly-elected SOT Awards Committee member, Prof. Andrij Holian (NTSS Councilor)
- SOT Continuing Education Committee, Dr. Saber Hussain (NTSS Vice-President)
- Colgate-Palmolive Award for Student Research Training in Alternative Methods: Christin Grabinski, Air Force Research Laboratory, Prof. Saber Hussain
- Colgate-Palmolive Postdoctoral Fellowship Award in *In Vitro* Toxicology: Jonathan Shannahan, PhD (Univ. of Colorado)
- Best Postdoctoral Publication Award: Dr. Phoebe Stapleton, West Virginia University

