

NAME OF SPECIALTY SECTION Nanotoxicology

ANNUAL REPORT: 2012-2013

May 1, 2012 to April 30, 2013

I. Officers/Committees:

<u>Officers</u>	<u>2012-2013</u>	<u>2013-2014</u>
President:	Joyce Tsuji	Alison Elder
Vice President:	Alison Elder	Saber Hussain
Vice President-Elect:	Saber Hussain	James Bonner
Secretary/Treasurer:	Mara Seeley	Edward Reverdy
Past President	Justin Teeguarden	Joyce Tsuji
Councilors:	Diane Heck	David Hobson
	David Hobson	Andrij Holian
PDA Representative:	Tina Sager	Amy Wang
GSLC Representative:	Christin Grabinski	Marusia Popovech
(as of 2012 bylaws change, now called Vice Student Representative)		
GS Councilor:	Lisa Truong	Christin Grabinski
(as of 2012 bylaws change, now called Student Representative)		

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

II. Activities:

Annual Nanotoxicology Specialty Section reception and business meeting was held in San Antonio on Wednesday, March 13. More than 100 people were in attendance. Dr. Joyce Tsuji called the meeting to order at 7:00 PM.

Business Meeting Speaker: No invited speaker

Awards:

Graduate Student Award

- 1st: Christin Grabinski, Case Western Reserve University; mentor, Prof. Saber Hussain
- 2nd: Jenna Strickland, North Carolina State University; mentor, Prof. Timothy Shafer
- 3rd: Fahimeh Fallahi, Wright State University; mentors, Prof. Mariana Morris, Saber Hussain

Postdoctoral Award

- 1st: Dr. Kristin Comfort, University of Dayton; mentor, Prof. Saber Hussain
- 2nd: Dr. Kitae Kim, Oregon State University; mentor, Prof. Robert Tanguay
- 3rd: Dr. Jonathan Shannahan, East Carolina University; mentor, Prof. Jared Brown

Best Publication Award

Amelia Romoser, David Figueroa, Aishwarya Sooresh, Kelly Scribner, Patricia Chen, Weston Porter, Michael Criscitiello, and Christie Sayes. Distinct immunomodulatory effects of a panel of nanomaterials in human dermal fibroblasts. *Toxicology Letters* 210: 293-301, 2012.

2013 SOT Annual Meeting Courses/Sessions:

Continuing Education Course

Advances in nanotoxicology – Challenges

Symposia

Predictive toxicology paradigms for understanding carbon nanotube toxicity in the lung
From Immunotoxicity to nanotherapy: The effects of nanomaterials on the immune system

Workshops

Nanoinformatics: Computational challenges for nanomaterial hazard assessment
Nanotoxicology: Computational strategies, advances, and challenges

Roundtable

A decade of nanotoxicology: Where do we stand now?

Platform

Toxicity of nanoparticles – cerium oxide

Informational

Regulatory-based nanotoxicology: Evolving national strategies and research to address engineered nanomaterial health risk assessments

Endowment Fund Details: The specialty section is considering if an endowment should be pursued. Along the lines of funding, though, as was also true last year, additional support was received from nanoTox, Inc., to fund the student awards. Exponent and Gradient Corporations also provided monetary support for the student awards. Informa Healthcare, the publisher of *Nanotoxicology*, also provided one-year subscriptions to the student and postdoctoral fellow awardees (also done the previous year).

Newsletters: July 2012, March 2013 (available on NTSS website)

Teleseminars:

- "Risk assessments for engineered nanomaterials: Addressing the unique challenges"; presented on July 16, 2012, by Dr. Harvey Clewell, The Hamner Institutes for Health Sciences
- "Regulatory science and nanotechnology at FDA"; presented on October 10, 2012, by Dr. Paul Howard, US-FDA
- "Assessment Strategies for the Safety of Industrial Nanomaterials in Europe ", presented on February 26, 2013, by Dr. Robert Landsiedel, BASF

White Papers: None.

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 2012-2013 Activities:

The members of NTSS place high value on contributing to the training and development of its young scientists and on fostering collegial relationships amongst the memberships. In the 2011-2012 program year, a mentor-mentee program was developed by Christie Sayes, Lisa Truong, and Leshuai Zhang and this program was continued in the 2012-2013 program year based on its success. This has become a focus of the current student and postdoctoral fellow representatives, Christin Grabinski, Mary Popovich, and Amy Wang, under the mentoring of Board member David Hobson. For the 2013 SOT meeting, we again had several mentor-mentee groups that met for lunch or drinks. Reports received thus far suggest that this was a useful time for the trainees, but that they would like to have continued contact with the mentor group. NTSS is currently discussing ways that this can be accomplished.

The NTSS bylaws were changed to institute a two-year position for the student representatives. To begin this change, the 2011-2012 student representative, Lisa Truong, was asked to serve for an additional year as the student councilor (Christin Grabinski had just been elected as the new student representative). With the passage of the new bylaws, for the first year, a student will be elected as the vice student representative and, for the second year, will serve as the student representative.