

NAME OF SPECIALTY SECTION Nanotoxicology

ANNUAL REPORT: 2009-2010

May 1, 2009 to April 30, 2010

I. Officers/Committees:

Officers:

President:	Annette Santamaria
President-elect:	David Warheit
Vice President:	Justin Teeguarden
Secretary/Treasurer:	Steve Roberts
Councilors:	Christie Sayes
	Nigel Walker
<i>Past-President</i>	N/A
SAC Representative:	Patricia Gillespie
PDA Representative:	Amy Wang

Committees:

Nominations: Steve Roberts, Brenda Barry, Mike Davis, Louis Radulovic

Program: Bellina Vernesi, Barbara Vogt, Robin Guy, Michael T. Tseng

Awards: Scott Thurmond, Saber Hussein, Jim Antonini

Newsletter: Janet Marie Carter, Luigi Manzo, Marc Gillespie

Webinar: Jessica Ryman-Rasmussen, David Lai, Justin Teeguarden

Executive Committee: Annette Santamaria, David Warheit, Justin Teeguarden, Steve Roberts, Christie Sayes, Nigel Walker, Amy Wang

II. Activities

2010 SOT Annual Meeting Reception was held Salt Lake City, Utah on March 8, 2010.

Approximately 260 people were in attendance.

Dr. Annette Santamaria called the meeting to order at 7:20 pm on March 8.

Business Meeting Speakers: Drs. David Warheit and Nigel Walker

Meeting Minutes: see Attachment I

Awards: Graduate Student Award, Ofek Bar-IIan, University of Wisconsin; Postdoctoral Fellow Award, Rong Wan, University of Louisville; Best Paper Award, Jae Hyuck Sung, College of Veterinary Medicine, Seoul National University.

2010 SOT Annual Meeting Courses/Sessions: None this year.

Endowment Fund Details: Plans are being made to kick off the Endowment Fund next year.

Newsletters: None this year.

Teleseminars:

Mark R. Wiesner, Ph.D., "Environmental Exposure and Effects of Nano Silver: An Illustration of Integrated Research in the Center for the Environmental Implications of NanoTechnology (CEINT)", September 23, 2009.

Robert L. Tanguay, Ph.D., "A Rapid In Vivo System for Defining Biological Responses to Nanomaterials", October 21, 2009.

Andre Nel MD, Ph.D., "What is the Scientific Model that we Need to Put in Place for Safe Implementation of Nanotechnology at the Rate of Its Current Expansion?" December 16, 2009.

White Papers: None

Contributions to SOT Web site: Toxicology Topics: "Developing Safe Products Using Nanotechnology"

Other Specialty Section 2009-2010 Activities:

Continuing to develop the Nanotoxicology Specialty Section website

Appendix

Summary of the Nanotoxicology Specialty Section Business Meeting

SOT Annual Meeting, Salt Lake City UT

March 8, 2010

The SOT Nanotoxicology Specialty Section meeting was called to order at 7:20 pm by President Annette Santamaria. Approximately 260 members were present. Dr. Santamaria identified the specialty section officers and thanked them for their service to the section. She briefly summarized the section finances, indicating that there is a current balance of \$5,042. She provided an update on committee activities and asked for help (i.e., volunteers) for the website committee. She announced that Dr. Roberts would head the newsletter committee.

Vice President David Warheit announced that Joyce Tsuji is the new Vice President Elect. He also strongly encouraged the members to propose workshops, symposia, roundtables and continuing education courses for the next annual meeting.

A formal debate was held on the question of whether nanotoxicology publications should be required to include a specified set of minimum material characteristics. David Warheit argued in favor of the requirement and Nigel Walker argued against. At the conclusion, the result was declared a tie.

Award recipients were announced by Nigel Walker. The Graduate Student Awardee was Ofek Bar-Ilan from the University of Wisconsin (Photoactivated Titanium Dioxide Nanoparticles Induce Toxicity Through an Oxidative Stress Mechanism in Zebrafish Embryos, Abstract No. 2065, Platform Wednesday 1:30 pm, Metals and Metal Oxide Particles). The Postdoctoral Fellow Awardee was Rong Wan from the University of Louisville (Regulation of Plasminogen Activator Inhibitor-1 Expression in Endothelial Cells Exposed to Metal Nanoparticles, Abstract No. 2071, Platform Wednesday 1:30 pm, Metals and Metal Oxide Particles). The award for the best publication went to Jae Hyuck Sung, College of Veterinary Medicine, Seoul National University, Seoul, Korea (Subchronic Inhalation Toxicity of Silver Nanoparticles, *Tox. Sci.* 108(2):452-461, 2009). David Warheit made a final appeal for nanotoxicology topics for next year's meeting and a few were mentioned by members of the section.

The business meeting was then adjourned.

Respectfully submitted,

Steve Roberts

Secretary-Treasurer

Summary of the Nanotoxicology Specialty Section
Executive Committee Business Meeting
SOT Annual Meeting, Salt Lake City UT
March 9, 2010

Executive committee members present: Roberts, Santamaria, Walker, Warheit
The Executive Committee meeting was convened by President Annette Santamaria. The meeting began with a review of the specialty section meeting the night before. Several ideas for workshops, symposia, etc. for the next annual meeting were discussed.

Several topics were covered in the meeting, including:

1. Recruitment of new members and students
2. The need for the President and Secretary-Treasurer to prepare the next annual report.
3. Officers duties – A document should be developed from available sources and distributed to the officers.
4. Volunteers on committees – how to choose them and how many years should they serve?
5. Revamping the Newsletter Committee – Steve Roberts will head that up. The Committee should look at templates available from SOT as well as ideas on format from other specialty sections.
6. Webinar status for next year.
7. Bruce Kelman has volunteered to serve as liaison between the SOT Nanotoxicology Specialty Section and the British Toxicology Society Nanotoxicology Specialty Section to share announcements, newsletter items, etc. Ideas were also discussed to partner with the SRA nano section on webinars and joint symposia.
8. A short history of the Nanotoxicology Specialty Section should be prepared for the website. Annette Santamaria indicated that she would prepare one.

At the completion of discussion, the meeting was adjourned.

Respectfully submitted,
Steve Roberts
Secretary-Treasurer