



Nanotoxicology Specialty Section Newsletter

Volume 3, Issue 3 (October 2013)

President's Message

I hope that you all had a good summer, with time to relax and do the things that you love other than science. My first order of business is to acknowledge the outgoing officers for their enthusiasm and leadership over the last few years of service to the Nanotoxicology Specialty Section (NTSS). Our 2012-2013 President, Joyce Tsuji, has now moved into her role of shepherding our activities as the immediate Past President. I am sure that Joyce will approach this role with the same good humor and energy that she brought to her previous years of service. The talent, creativity, and dedication of Mara Seeley (secretary/treasurer), Diane Heck (councilor), Lisa Truong (student representative), and Tina Sager (postdoctoral association representative) have made new programs possible and heightened engagement across all sectors of our membership. Thank you all for everything you have done for the NTSS!

At the 2013 annual meeting, we also welcomed our new officers: James Bonner (Vice President Elect), Ed Reverdy (Secretary/Treasurer), Andrij Holian (Councilor), Marusia Popovech (Vice Student Representative), and Amy Wang (Postdoctoral Representative).

The NTSS annual report was submitted in August and is available on the SOT web site (see archives section of NTSS web page). One highlight from this report is that our bylaws changes were accepted at the end of 2012 to incorporate two student positions in the leadership chain, specifically a vice-student representative and a student representative

(<http://www.toxicology.org/isot/ss/nano/bylaws.asp>).

This means that the students serve two-year overlapping terms, which should help the students to learn more about the Board's activities, provide better access for the students to NTSS leadership, and be of benefit to the executive committee. We also decided to have overlapping councilor positions to enhance continuity; thank you to David Hobson for offering to stay on for an extra year to help with the implementation of this change.

The NTSS continued the mentor-mentee focus that was started a couple of years ago by member, Christie Sayes. The mentor-mentee lunch/coffee meetings were a success again this year, so thank you to all of the people who participated. In particular, I want to acknowledge the leadership of David Hobson, Lisa Truong, Christin Grabinski, Marusia Popovech, and Amy Wang in organizing this event for the 2013 meeting.

In addition to this, we also took some time at the NTSS reception for a mentor-mentee networking session. The Starbucks gift certificates seemed to be a hit – as well as the networking time! – So we hope to continue this for our next business meeting and reception at the 2014 SOT meeting in Phoenix.

- Alison Elder

Officers

President
Alison Elder

Vice President
Saber Hussain

Vice President Elect
James Bonner

Past President
Joyce Tsuji

Secretary/Treasurer
Ed Reverdy

Councilors
David Hobson
Andrij Holian

Student Representative
Christin Grabinski

Postdoctoral Representative
Amy Wang

Vice-Student Representative
Marusia (Mary) Popovech

Newsletter Editor
Ed Reverdy

Table of Contents

President's Message.....	1	Webinar Series.....	3
Grad Student/PostDoc Activities.....	2	SOT in Phoenix – 2014	4
Awards.....	3	Secretary/Treasurer Report	5
Election	3	Executive Board	6

Graduate Student and Post-Doc Activities

Highlight from the 2013 Annual Meeting:

NTSS Mentor-Mentee Program

The Mentor-Mentee Program connects mentors (associate and full members) with mentees (students and post-docs) for an informal networking lunch (subsidized by NTSS) held during the annual meeting. At the 2013 meeting, 11 mentees and 8 mentors made up 4 groups, based on similar research and career interests. Polling of the participants following this program resulted in a 75% reply rate, in which 80% of survey participants reported a great experience, 20% reported an OK experience, and 0% reported a negative experience. Further, 80% of respondents stated that they plan to participate in this program next year. Survey comments included a number of positive outcomes, such as a high level of student engagement and excellent discussions regarding guidance on career paths. Mentors were also impressed by mentees who were prepared with questions. Suggestions for improvement included meeting in smaller groups, providing a concrete meeting place, sharing of a short bio along with a photo for the mentors/mentees in each group prior to meeting, as well as, allowing mentees to request specific mentors. The NTSS leadership will do their best to implement these suggestions for the upcoming 2014 Annual Meeting. Overall, this program offered a valuable experience for the participants, and the NTSS urges others to participate in our next program!

SOT Links Specific for Students and Postdocs **NTSS Student and Post-doc webpage:**

www.toxicology.org/isot/ss/nano/studpostdoc.as

Graduate Student Announcement Topics on ToXchange (requires log-in):

toxchange.toxicology.org/p/fo/si/topic=597

Communique Blog:

[toxchange.toxicology.org/p/bl/et/blogid=0\\$blogid=761&source=6](http://toxchange.toxicology.org/p/bl/et/blogid=0$blogid=761&source=6)

See recent post on Graduate Student Leadership Council (GSLC) announcements, including opportunities and benefits to participating in the GSLC, award deadlines, opportunities to volunteer at the annual meeting (e.g. for Continuing Education courses) and student events at the annual meeting.

Awards and Fellowships page on the SOT website: www.toxicology.org/ai/af/awards.aspx

#In addition to NanoTox SS awards, students and

postdocs are encouraged to apply for additional awards (e.g. travel awards, best publication award).

Job Opportunities

1) Nanotoxicology Postdoc Position at University of Copenhagen, Denmark

<http://jobbank.ku.dk/job/412744/koebenhavns-universitet/postdoc-in-nanomaterial-toxicology>

2) Graduate Student Data Analyst

A graduate student to conduct background research in support of an upcoming nanotechnology and risk analysis workshop to be held this December, entitled “Advanced Workshop on Nanoscale Materials – What Can We Learn from Big Data Sets?”, and gain valuable experience in the field of risk assessment, to contribute to the development of novel approaches to assessing risk from emerging materials, and to participate in an international multi-stakeholder workshop.

For full details or to apply, please contact cbeaudrie@compassrm.com. Please include your CV, a brief statement describing past skills, achievements and research interests, and contact information for two references. Applications will be reviewed beginning on Friday, September 27th, at 5pm, until the position is filled.

New Web Page for Grad Students and Post-Docs

We have added a new web page targeted to Students and Post-Docs on the NTSS Website. There you can find useful information about the awards, as well as programs sponsored by the Graduate Student Leadership Council. We are also working on a Research/Career Advice Program that will be highlighted on the Grad Student/PostDoc page. If there is any other information or resources you would like to see on the page, you can talk to one of our Student or Post-Doc Reps, or the Website Liaison.

We want to hear from you!

Please feel free to share your comments and suggestions regarding current and future programs with the post-doc and student representatives!

- Christin Grabinski
- Mary Popovech
- Amy Wang

Nanotoxicology Specialty Section Awards

Three Nanotoxicology Specialty Section Awards are available each year. The Outstanding Graduate Student Award and the Outstanding Postdoctoral Awards include cash and an engraved plaque. When possible, second and third place awards are also made. The primary criterion for these awards is the importance of the work to the field. Although preference will be given to Specialty Section and SOT members at large, students in other Specialty Sections are encouraged to apply. Materials to be submitted for the awards include: Accepted SOT abstract*, extended abstract (2 pages maximum, tables/figures included), student CV, two letters of recommendation (one from primary advisor). Submit materials to Dr. James Bonner at NC State University (jcbonner@ncsu.edu). In addition, The Best Publication Award recognizes significant contributions to the field of nanotoxicology. An engraved plaque is given to the first author of the paper. Selection criteria include the statement of a clear hypothesis, thoroughness of relevant nanomaterial physicochemical characterization, quality of data interpretation, and impact. At least one author of the paper must be a member of the Specialty Section. *Please note that due to the government shut-down, we will accept applications this year that include submitted, but not yet accepted, abstracts in view of the planned December-January late submission period that has been announced by SOT. Awards are contingent upon acceptance of the abstract by SOT.

For more information on Awards, including the submission deadline, visit the Nanotoxicology SS website:

[http://www.toxicology.org/isot/ss/nano/index.asp\[toxicology.org\]](http://www.toxicology.org/isot/ss/nano/index.asp[toxicology.org])

Upcoming Elections

The NTSS leadership is encouraging members to nominate colleagues or themselves to serve in an elected NTSS position for next year. A full slate of nominees will go to SOT headquarters at the end of December and, in January, we will elect the Vice President-Elect, one councilor, the Vice Student Representative, and the Postdoc Representative. Please send nominations and direct any questions to Dr. Saber Hussain (Saber.Hussain@wpafb.af.mil) or Dr. Alison Elder (alison_elder@urmc.rochester.edu).

2013-2014 Webinar Series

The Webinar Series for NTSS continues in 2013-2014 with two webinars scheduled thus far:

1. Andrij Holian –
"Challenges and New Advances in Nanomaterial Research"
November 18, 2013
2. Barbara Harthorn, University of CA, Santa Barbara,
(Title TBA)
February, 2014

We hope these webinars have been informative. Let us know if there is a particular topic or area of interest that you would like to see in an upcoming webinar. Please contact Dr. Jamie Bonner (jcbonner@ncsu.edu) with your ideas and interesting topics.

Pack Your Bags for Phoenix!

The Scientific Program remains strong within SOT for the 2014 meeting in Phoenix. Scientific sessions related to nanotoxicology include two symposia, one workshop, and a Continuing Education course on Sunday afternoon – "Nanotoxicology; Past Achievements, future Challenges, and Potential Solutions". We are hopeful for all of the posters that are provided by our members in the field.

We will, of course, host the NTSS reception. We will update you in the next Newsletter once the details have been confirmed for the day, time and location in Phoenix. We hope you can join us!

The SOT Abstract Submission date was moved out by two weeks to accommodate scientists that were impacted by the US government shut down. We hope that you all were able to submit your abstracts by the extended deadline. If you were not, however, there will be an opportunity to submit again from **December 2 - January 6**. SOT plans to include all abstracts submitted during this extension period in the regular programming. They will not, however, have a Late Breaking submission period this year.

We look forward to a healthy group of nanotoxicology-based abstracts at SOT 2014 in Phoenix!

Nanotoxicology Calendar of Scientific Sessions, Preliminary - SOT 2014

Nanotoxicology: Past Achievements, Future Challenges, and Potential Solutions	Continuing Ed. PM08
Carbon Nanotubes Are Toxic in Experimental Models: What's Next, Who's Being Exposed, and Should We Be Concerned?	Symposium
Three Dimensions of Nanomaterial Pulmonary Toxicity: Innate Immunity, TLRs, and Inflammasomes	Symposium
Addressing Uncertainties of the Toxicology of Nanomaterials in Food and Food Contact Products	Workshop

Secretary/Treasurer Report

With 297 members (up from 284 last year), the NTSS remains in good financial shape.

The following is a breakdown of our income and expenses for the year as of June, 2013:

Net assets at beginning of year, \$9,861

- Contributions: \$2,350
- Dues: \$4,320
- Registration: \$2,188
- Interest: \$ 538

Income: **\$8,758**

- Awards: \$2120
- Reception: \$4555
- Executive Meeting \$ 277
- Mentor-Mentee Prog. \$108

Expenses: **\$7060**

Net assets as of June 2013: \$12,243

Estimated expenses for 2014 Annual Meeting, \$6800

*“If Toxicology is the study of poisons, then is
Nanotoxicology the study of smaller poisons?”*

- Unknown

2013- 2014 Executive Board

The 2013-2014 Executive Board was elected prior to the Annual SOT meeting in 2013. Please consider contacting any of them directly if you have any thoughts regarding how the membership can best be served.



**Alison Elder,
President**



**Saber Hussain,
Vice President**



**Jamie Bonner,
VP-Elect**



**Ed Reverdy,
Secretary/Treasurer**



**Joyce Tsuji,
Past
President**



**Andrij Holian,
Councilor**



**David Hobson,
Councilor**



**Marusia (Mary) Popovech
Vice Student
Representative**



**Christin Grabinski
Student Representative**



**Amy Wang
Postdoctoral
Representative**

Carbon Nanotubes in the News

The New York Times ran a story on September 25 about the first report of carbon nanotube-enabled computing. A group from Stanford University built a simple computer based on transistors made exclusively from carbon nanotubes. The story can be found here: http://www.nytimes.com/2013/09/26/science/researchers-build-a-working-carbon-nanotube-computer.html?_r=1&. This innovation paves the way for silicon-nanotube hybrid computing or for computing that doesn't use silicon at all and for a further shrinking of transistor size.

7th International Nanotoxicology Congress



7th INTERNATIONAL NANOTOXICOLOGY CONGRESS
7.nanoTOX2014
April 23-26, Antalya - Turkey

DEADLINES
Abstract Submission 20th December 2013
Early Bird Registration 31st January 2014

This congress continues the series of international nanotoxicology meetings that has included:
2006 Miami, 2008 Zurich, 2010 Edinburgh, and 2012 Beijing.

www.nanotox2014.org