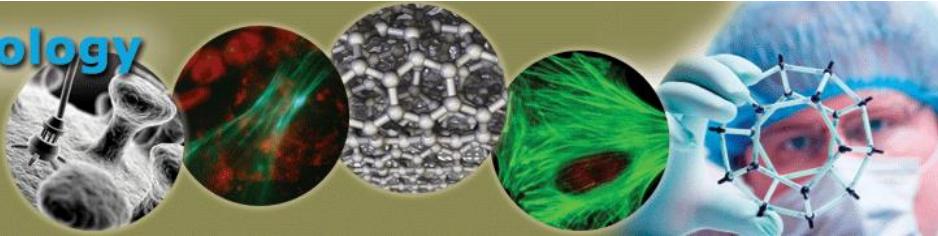


# Nanotoxicology Specialty Section



## July 2017 Newsletter

### President's Outgoing Message

(Submitted by Robert Tanguay)

As summer approaches and I step down as the President of the Nanotox SS I would like to take this opportunity to share my perspectives and wish the specialty section well moving forward. I do hope you all enjoyed the 2017 meeting in Baltimore. Although the weather did not cooperate, overall the meeting was a great success. As my first order of business as the outgoing President of the Nanotoxicology Specialty Section (Nanotox SS), I would like to acknowledge the outgoing officers for their enthusiastic leadership over the past few years of service. Our 2016-2017 Past President, Jamie Bonner, has fulfilled many years of steady commitment to the growth and success of our specialty section and I would like to sincerely thank Jamie for his outstanding leadership. I would also like to thank Tara Sabo-Atwood for her contributions as a Councilor for the past two years -Thank you Tara. I would like to express special thanks to our outgoing Postdoctoral Representative Donald Anderson for his engagement and efforts to increase postdoctoral opportunities for our membership and finally, I would like to thank Katherine Dunnick for her leadership and commitment to help SOT become more responsive to the needs of the future leaders of the society. Thank you for all for volunteering your time to the Nanotox SS and for all of your exemplary service.

At the 2017 SOT Annual Meeting, we also announced the incoming officers Tim Nurkiewicz (President), Aaron Erdely (Vice President) Flemming R. Cassee (Vice President-Elect), Brian D. Thrall (Secretary/Treasurer), Joel M. Cohen (Senior Councilor), Jenny R. Roberts (Junior Councilor), Valerie Minarchick (Postdoctoral Representative), Katie Duke (Senior Student Representative), and Mark David Ihrie (Junior Student Representative). I greatly appreciate enthusiasm of this team and lets all engage with them to advance the Nanotox SS over the next year.

We had outstanding graduate students and postdocs receive awards this year and an outstanding publication award was provided (See Awardees below). I would like to thank Aaron Erdely for organizing the awards competition. Please start thinking about potential students, postdocs, and publications to nominate for the Nanotox SS awards for the 2018 meeting in San Antonio, TX.

### 2016-2017 OFFICERS

#### PRESIDENT

Robert L. Tanguay

#### VICE PRESIDENT

Timothy R. Nurkiewicz

#### VICE PRESIDENT-ELECT

Aaron Erdely

#### SECRETARY/TRES.

Brian D. Thrall

#### PAST PRESIDENT

Jamie Bonner

#### COUNCILORS

Tara Sabo-Atwood

Joel M. Cohen

#### POSTDOCTORAL REPRESENTATIVE

Donald Anderson

#### STUDENT REPRESENTATIVE

Katie Duke

At the Annual Meeting, we openly discussed opportunities and challenges for our specialty section. Although our current membership is strong (219), there are pressures that could reduce membership and lessen membership engagement. It is my view that a major strength Nanotox SS has been our ability to foster and advance the careers of early career scientist through mentoring and awards. Our annual meetings and awards are important opportunities to recognize students and postdoctoral scientists. The annual cost of the reception and awards is at a steady state with our membership revenue, with inflation eroding our balance. We need to increase membership, and or identify additional revenue streams. Increasing membership in the academic sector may be a daunting task as federal expenditures for nanotoxicology research peaked a few years ago and the number of academic researchers specifically engaged in nanotoxicology research has dropped precipitously. This does not mean that nanotoxicology research is any less important, in fact, it more reflects the maturation of a field. As we discussed at the meeting, a larger fraction of nanotoxicology investigations now reside in applications and in product development. It is my view that we as a specialty section recognize this reality and seize the opportunity to bring our expertise to advance the safer adoption of nanotechnology. This may be a good time to consider modifying the name or focus of our specialty section. I would also like to suggest that we consider potentially merging with another specialty section to help ensure sustainability. I realize that these recommendations may not have broad support, but I do think it is important that we start the discussions and work together to advance the discipline and our organization. If any of you have opinions or suggestions, the Nanotox SS leadership is eager to hear from you.

Finally, I would thank you all for providing me the opportunity to serve Nanotox SS for the past few years. This experience has provided me the opportunity to meet and work with many outstanding scientists from across the globe who are dedicated to the Society of Toxicology. I have been inspired and motivated by many of you to do what I can to advance this organization to make positive contributions to society. I wish you all a terrific 2017, and look forward to seeing you all at the 2018 SOT Annual Meeting in San Antonio, Texas in March.

*Robert Tanguay*

### **Sponsors Needed**

In order for the Nanotox SS to remain a strong specialty section and to provide opportunities for students and postdocs to receive recognition for their great work, we need financial support. Individuals or organizations are encouraged to consider sponsorship for our specialty section. Sponsors are recognized at the annual meeting during the reception presentation and they will receive grateful acknowledgements in our newsletter and annual report.

### **2017-1018 Officers**

#### **PRESIDENT**

Timothy R. Nurkiewicz

#### **VICE PRESIDENT**

Aaron Erdely

#### **VICE PRESIDENT-ELECT**

Flemming R. Cassee

#### **SECRETARY/TREASURER**

Brian D. Thrall

#### **PAST PRESIDENT**

Robert L. Tanguay

#### **COUNCILORS**

Joel M. Cohen  
Jenny R. Roberts

#### **POSTDOCTORAL**

#### **REPRESENTATIVE**

Valerie Minarchick

#### **STUDENT REPRESENTATIVES**

Katie Duke  
Mark David Ihrie

## 2017 Award Winners

### Graduate Student Award

**Katherine Duke**

Project title: STAT1 Regulates Pulmonary Fibrosis in Mice after Exposure to Multi-walled Carbon Nanotubes through Suppression of TGF- $\beta$ 1 Production and Signaling

Mentor: James C. Bonner

Institution: Toxicology Program, NC State, Raleigh, North Carolina, USA



### Postdoctoral Award

**Ekaterina Mostovenko, Ph.D.**

Project title: Mass Spectrometry Development of Occupational Nanomaterial Exposure Biomarkers

Mentor: Andrew K. Ottens

Institution: Anatomy and Neurobiology, Virginia Commonwealth University, Richmond, VA



### Best Publication

Multiwalled Carbon Nanotube Functionalization with High Molecular Weight Hyaluronan Significantly Reduces Pulmonary Injury.

Authors: Salik Hussain, Zhaoxia Ji, Alexia J. Taylor, Laura M. DeGraff, Margaret George, Charles J. Tucker, Chong Hyun Chang, Ruibin Li, James C. Bonner, and Stavros Garantziotis

Reference: ACS Nano. 2016 Aug 23;10(8):7675-88. doi: 10.1021/acsnano.6b03013.



**Congratulations to all of the outstanding nominees and the winners of these awards!**

## Secretary Treasurer Report

Net assets at beginning of FY2016:	\$13,571
Income:	\$7,545
Contributions, Registration, misc:	\$ 2,319
Dues: (Jun 2016)	\$ 4,615
Interest	\$ 611
Expenses:	\$ 8,288
Awards (including plaques):	\$ 1,963
Reception:	\$ 5,978
EC Meeting (offsite):	\$ 347
Net assets at end of FY2016:	\$12,828
Estimated expenses for 2017 Annual Meeting:	\$ 7,958
Estimated Net Assets at end of Q1 2017:	\$ 4,870

Current Membership 219

## Graduate Student and Postdoc Activities

NTSS Student and Postdoc webpage: <http://www.toxicology.org/groups/ss/nano/studpostdoc.asp>

Graduate Student Announcement Topics on ToXchange (requires log-in):  
<http://toxchange.toxicology.org/p/co/ly/gid=195>

Postdoctoral Assembly on ToXchange (requires log-in):  
<http://toxchange.toxicology.org/p/co/ly/gid=194>

Communique Blog: [http://toxchange.toxicology.org/p/bl/et/blogid=0\\$blogaid=761&source=6](http://toxchange.toxicology.org/p/bl/et/blogid=0$blogaid=761&source=6)  
See recent post on Graduate Student Leadership Council (GSLC) announcements, (enter content here)

Awards and Fellowships page on the SOT website:  
<http://www.toxicology.org/awards/sot/awards.asp>

In addition to Nanotox SS awards, students and postdocs are encouraged to apply for additional awards (e.g. travel awards, best publication award).

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 reps.

### Join the Nanotoxicology Specialty Section

You can join NTSS or pay membership dues at any time during the year through the SOT membership renewal. Members of the Society of Toxicology will become members of the SS upon payment of SS dues.

SOT Membership Information <http://www.toxicology.org/groups/membership/membership.asp>