



December 2015

Dear NTSS Members:

The NTSS Executive Committee would like to update you on the activities of our specialty section from the past several months. We hope you were able to submit an abstract and look forward to seeing you at the upcoming 2016 SOT meeting in New Orleans, Louisiana.

RENEW YOUR NTSS MEMBERSHIP!

Your membership provides the financial support to keep our specialty section running. NTSS seeks to promote neurotoxicology as a vibrant specialty of toxicology. The NTSS Executive Committee actively seeks to enhance and promote neurotoxicology themed sessions at the annual meeting. The SOT Scientific Program Committee has named "Advances in Neurotoxicology" as one of the themes of timely and highly informative sessions that span the interests of the society. NTSS also offers each of you a place to meet up with your colleagues at our annual SOT reception. In addition, NTSS supports the growth of our field with the endowed Toshio Narahashi Fellowship Award program – as this endowment grows we hope to provide even more opportunities to support the next generation of neurotoxicologists. Your membership continues to be the foundation of our section. Please renew today, and encourage your colleagues who are not members to join!

NTSS-RELATED EVENTS AT THE 2016 ANNUAL SOT MEETING

The NTSS Business Meeting and Reception will be held **Wednesday, March 16 from 6:00-7:30 PM**. Please mark your calendars and plan to attend; enjoy food and soft drinks from NTSS and a cash bar while visiting with your NTSS colleagues. A short business meeting will be held at approximately 6:45 PM. If you have an item for the business meeting agenda, please contact [Will Boyes \(Boyes.William@epa.gov\)](mailto:Will.Boyes@epa.gov).

ELECTION OF NEW NTSS OFFICERS

Call for Nominations: Early in 2016, NTSS will elect a new Vice President-Elect, a Counselor, and Graduate Student and Postdoctoral Representatives. It is time to gather nominations for those offices. Anumantha Kanthasamy will chair the Nominating Committee this year as the past Past President, and requests your suggestions. Please carefully consider your nominations – no particular expertise is required, but candidates should be dedicated to service for NTSS. Remember that the future success of the specialty section will be dependent on these people. It is best if the nominator knows the candidate is willing to serve, but the Chair and other Nominating Committee members will make those contacts. **Please forward the names and contact information of all nominees to Anumantha Kanthasamy (akanthas@iastate.edu) by December 15, 2015.**

CALL FOR NEWSLETTER COMMITTEE VOLUNTEERS

Are you interested in becoming more involved in NTSS? Consider volunteering for the Newsletter Committee. Biyearly, NTSS sends a newsletter with informative updates about the specialty section to the entire membership. As a volunteer, you have access to the most up-to-date info about NTSS! This is also an excellent opportunity to network with fellow NTSS members, as well as gain valuable scientific communication skills. If you have any questions or are interested in

volunteering, please email **Megan Culbreth** (megan.culbreth@phd.einstein.yu.edu), the current NTSS Graduate Student Representative.

TOSHIO NARAHASHI NEUROTOXICOLOGY FELLOWSHIP ENDOWMENT FUND

We are pleased to announce that Pam Lein has been named as the Steward for the Toshio Narahashi Neurotoxicology Fellowship Award Endowment Fund. As such, she will be responsible for oversight, publicity, and growth of the fund. We are very grateful and indebted to Pam for her continued service to NTSS.

NTSS has been highly successful in establishing the Toshio Narahashi Neurotoxicology Fellowship Award Endowment Fund. This endowment fund helps to fully cover our graduate student and postdoctoral fellow poster competition awards, and will provide support for the creation of a new trainee conference award:

NTSS TOSHIO NARAHASHI TRAINEE CONFERENCE AWARD FOR SOT 2016!

This award will be given to deserving trainees to help defray the cost of travel expenses to SOT 2016. Please visit the NTSS website (<http://www.toxicology.org/groups/ss/NTSS>), and see page 3 of this newsletter for a description of the new award, and details regarding eligibility and how to apply.

KINDLY CONTINUE TO DONATE

Please consider renewing or making a new tax-deductible donation to the Toshio Narahashi Endowment Fund this year. For every dollar donated, the Society will match the contribution dollar-for-dollar up to \$100,000, meaning your contribution will go even farther. Increasing the endowment fund will enhance the size and number of trainee poster and conference awards that NTSS can grant. Few things that we do, will have such a positive impact on so many young scientists early in their careers, and will continue to do so in perpetuity. To make a donation, please click on <http://www.toxicology.org/endowment/contribute/donate.asp>

Thank you,



Pam Lein

pjlein@ucdavis.edu



Will Boyes

Boyes.William@epa.gov

ANNOUNCING POSTER COMPETITION FOR THE 2016 TOSHIO NARAHASHI NEUROTOXICOLOGY FELLOWSHIP

Process: To participate in the 2016 poster competition, you will need to submit an extended abstract by February 19, 2016. The extended abstract will consist of the abstract originally submitted to SOT, 2-4 sentences describing the impact of the research, up to one page of key figures or data, and a 3-5 sentence conclusion (total of 3 pages). The extended abstracts will be reviewed by a committee prior to the meeting and will comprise 50% of the score. The remaining portion will be based on the face-to-face interviews at your posters on Monday late afternoon. We anticipate 3 judges will evaluate each poster. More detailed information is available on the NTSS website:

<http://www.toxicology.org/groups/ss/NTSS/awards.asp>

Eligibility requirements: (1) Graduate students and postdoctoral research fellows/associates must be in attendance at the 2016 annual meeting; (2) trainees must meet SOT criteria for classification as a graduate student or postdoctoral fellow at the time of the annual meeting; (3) graduate students and postdocs **MUST** be members of NTSS or show evidence of application for membership. Graduate students or postdocs giving platform presentations at the annual

meeting are also eligible if they prepare a poster summarizing their talk. Advisors or mentors who are not NTSS members are strongly encouraged to join.

Submission requirements: (1) An extended abstract as defined above (3 pages); and (2) a letter of support from the graduate student's advisor or postdoctoral mentor outlining the independence and role of the candidate in the research must be submitted to [Aaron Bowman \(aaron.bowman@vanderbilt.edu\)](mailto:aaron.bowman@vanderbilt.edu), Chair of the NTSS Student and Postdoctoral Awards Committee by **February 19, 2016**. Participants will also be required to send a [PDF of their complete poster to Dr. Bowman by March 14, 2016](#) to facilitate the judging (this pre-submission of the poster need not be the final version presented at the 2016 Annual Meeting).

In addition to recognition plaques for each winner, monetary prizes will be awarded for first, second and third place. Winners will be announced at the annual NTSS Business Meeting in New Orleans.

NTSS members interested in judging either extended abstracts and/or posters should contact [Aaron Bowman \(aaron.bowman@vanderbilt.edu\)](mailto:aaron.bowman@vanderbilt.edu),

ANNOUNCING THE *NEW* TOSHIO NARAHASHI TRAINEE CONFERENCE AWARD

Process: Trainee applicants must submit their SOT abstract, CV, and completed conference award form (<http://www.toxicology.org/groups/ss/NTSS/awards.asp>) by December 18, 2015. The NTSS Awards Committee will review these materials, and select recipients based on the scientific merit of their abstract, and commitment from their mentor to cover any additional travel costs. Awardees will receive funds in advance of the 2016 SOT Annual meeting.

Eligibility requirements: (1) Undergraduates, Post-Baccalaureates, Graduate Students, and Postdoctoral Fellows are eligible to apply. (2) Trainees must attend the 2016 SOT Annual Meeting in order to accept the award. (3) Graduate Students and Postdoctoral Fellows must be members of NTSS or show evidence of application for membership. (4) Undergraduates and Post-Baccalaureates need not be NTSS members, but their submitted abstract must be neurotoxicology focused. Advisors or mentors who are not NTSS members are strongly encouraged to join.

Submission requirements: (1) The original abstract submitted to SOT, (2) a CV, and (3) the completed conference award form (<http://www.toxicology.org/groups/ss/NTSS/awards.asp>) must be submitted to [Mary Gilbert \(gilbert.mary@epa.gov\)](mailto:mary.gilbert@epa.gov), NTSS Vice President Elect by December 18, 2015. Please note that the conference award form has separate sections that need to be filled out by the trainee or mentor.

JOIN THE STUDENT & POST-DOC FACEBOOK GROUP!

We want to remind you of our NTSS Facebook group created for students and post-doctoral fellows. Our Facebook page is managed by the NTSS Graduate Student Representative [Megan Culbreth \(megan.culbreth@phd.einstien.yu.edu\)](mailto:megan.culbreth@phd.einstien.yu.edu). We have over 1000 Likes. Check out the page at www.facebook.com/neurotoxicology

NTSS SPONSORED SCIENTIFIC PROGRAMS AT THE 2016 ANNUAL SOT MEETING

The SOT Scientific Program Committee has named "Advances in Neurotoxicology" as one of the themes of timely and highly informative sessions that span the interests of the society. The list of sessions included under this theme can be found at the following link on the SOT website: <http://www.toxicology.org/events/am/AM2016/thematic.asp#ain>

Congratulations to the Chairs of these successful proposals! We are looking forward to great talks at the 2016 Annual Meeting!

Symposia:

Mitochondria as a Central Target of Environmental Contaminants, Pharmaceutical Agents, and Toxicants: Mechanisms of Toxicity and Disease. Chairs: Rodrigo Franco and Joel Meyer. **Monday, March 14, 2016, from 9:30 AM to 12:15 PM**

Reciprocal Synergism: New Insights into Thyroid Hormone Action in Brain Development and Neurodevelopmental Toxicity. Chairs: Ellen Fritsche and Pamela Lein. **Tuesday, March 15, 2016, from 2:00 PM to 4:45 PM**

The Role of Gene SLC30A10 on Manganese Homeostasis and Functional Outcomes: Implications for Homeostasis and Neurotoxicity. Chairs: Roberto Lucchini and Donald Smith. **Tuesday, March 15, 2016, from 2:00 PM to 4:45 PM**

Patient-Specific Stem Cells as Models for Gene, Drug, and Environment Interactions in Disease. Chairs: Aaron Bowman and Jason Richardson. **Wednesday, March 16, 2016, from 9:30 AM to 12:15 PM**

A New Integrated Strategy to Apply the Adverse Outcome Pathway (AOP) Concept to Link Epidemiological and Mechanistic Data: Judging the Correlation of Pesticide Exposures with Increased Risk of Parkinson's disease. Chairs: Marcel Leist and Susanne Hougaard Bennekou. **Wednesday, March 16, 2016, from 2:00 PM to 4:45 PM**

Mitochondrial Dysfunction as a Pathogenic Mechanism and Therapeutic Target for Neurodegenerative Diseases. Chairs: Kim Tieu and Aaron Bowman. **Thursday, March 17, 2016, from 9:30 AM to 12:15 PM**

Workshops:

Nanotoxicology and Ocular Drug Delivery: One Size Does Not Fit All. Chairs: Chris Somps and Donald Fox. **Monday, March 14, 2016, from 9:30 AM to 12:15 PM**

Are Dietary Exposures to Heterocyclic Amines a Potential Risk Factor for Neurological Disease? Chairs: Jason Cannon and Kenneth Turteltaub. **Monday, March 14, 2016, from 9:30 AM to 12:15 PM**

Transient Receptor Potential A1 (TRPA1) Cation Channels: Fluttering Hearts, Headaches and Hot-Flashes: Can One "Environmental Sensor" be the Cause of All the Pain? Chairs: Mehdi Hazari and Daniel Conklin. **Monday, March 14, 2016, from 9:30 AM to 12:15 PM**

Screening Chemicals for Neurotoxicity Outcomes - Using Large Datasets and Multiple Endpoints to Develop "Toxicity Profiles". Chairs: Timothy Shafer and Mamta Behl. **Wednesday, March 16, 2016, from 9:30 AM to 12:15 PM**



William Boyes, Ph.D.

President, NTSS