

NAME OF SPECIALTY SECTION Neurotoxicology

ANNUAL REPORT: 2014-2015

May 1, 2014 to April 30, 2015

I. Officers/Committees:

<u>Officers</u>	<u>2014-2015</u>	<u>2015-2016</u>
President:	Aaron B Bowman	William Boyes
Vice President:	William Boyes	Abby Li
Vice President-Elect:	Abby Li	Mary Gilbert
Secretary/Treasurer:	Ronald Tjalkens	Ronald Tjalkens
Past President	Anumantha G Kanthasamy	Aaron B Bowman
Councilors:	Nikolay ("Nick") Filipov	Mamta Belle
	Michelle Block	Michelle Block
PDA Representative:	Kristen Ryan	Kiran Dhakal
GSLC Representative:	Dilshan S Harischandra	Megan Culbreth

II. Activities:

2015 SOT Annual Officer's Meeting was held in San Diego, California on March 23, 2015.

- Discussed a new Travel Award for trainees. The criteria to evaluate was going to be “need”, “excellence” and “institutional support to supplement the award”. We were going to accept applications after the Dec abstract submission deadline. We talked about a \$500 award (perhaps one for grads, one for postdoc if sufficient funds - and naming this the “Toshio Narahashi NTSS Travel award”. Applications would consist of Extended abstract, letter from trainee, letter from mentor, biosketch, and an application form. There was going to be a two-part review. The VP-elect, and councilors would rank the submissions (I think VP-elect was going to look into finalizing the details too). Then the VP, president and past-president would make final selection.
- We discussed potential 2016 session proposals. Anu and Ron were discussed, as a toxin/infection neurotoxicity; Gut microbiome was discussed as a topic. Air toxicity was talked about. Abby was going to talk with Larry Sheets, other topics (environmental neurology, neuro-protection, natural models of neurotoxicity, and HTS/benchmarks). Pam Lein suggested T Hartung may have a topic.

2015 SOT Annual Meeting Reception was held in San Diego, California on March 24, 2015.

Approximately 150 people were in attendance.

Dr. Bowman called the meeting to order at 6:00 PM on March 24, 2015.

Business Meeting Speaker: Dr. Carrie Lowney

Poster Competition: The Toshio Narahashi Neurotoxicology Fellowship Award was given to the top three posters presented by graduate students and postdoctoral students, as determined by a panel of judges in a two-stage process. The two stages involved first a submission by contestants in

advance of the SOT of an extended abstract and a letter of support from their academic advisor. Each pre-meeting submission was reviewed and scored by three independent judges. The second phase of competition involved a dedicated poster session in which each student presented their poster to three judges. Participants were scored based on significance and novelty of the research, the clarity of the extended abstract, and the relative contributions of the student. Scores were averaged from the pre-competition submissions and the live poster presentations, and the top three contestants were awarded prizes. Prize winners received a check for \$100, \$200, or \$300 dollars for 3rd, 2nd or 1st place, respectively). Overall, the competition was managed by the past President, Dr. Anu Kanthasamy. The competition involved more than 30 participating graduate students and postdocs, and approximately 35 members of NTSS as volunteer judges.

Awards: Postdoctoral Poster Competition:

1st place— Briana De Miranda
2nd place— Marissa Sobolewski
3rd place (tie) – Galen Miller
3rd place (tie) – David Pamies

Pre-doctoral Poster Competition:

1st place— Dilshan Harischandra
2nd place— Katriana Popichak
3rd place— Aseel Eid

2015 SOT Annual Meeting Courses/Sessions sponsored by NTSS:

- CONTINUING EDUCATION AM04: Safety Evaluation of CNS Administered Therapeutics—Study Design, Dose Routes, and Data Interpretation. Chairs: Vuillemenot (BioMarin Pharmaceutical) and Korte (Covance Laboratories GmbH) [March 22: 8:15am – 12:00pm; CC Ballroom 6D]
- WORKSHOP 08: Environmental Exposures and Alzheimer’s Disease: Epidemiology, Mechanisms, and Future Strategies. Chairs: Richardson (Rutgers University) and Kanthasamy (Iowa State University) [March 23: 9:15am – 12:00pm; CC Ballroom 6B]
- ROUNDTABLE 01: Addressing Potential Age-Related Sensitivity to Neurotoxicity of Pyrethroids. Chairs: Osimitz (Science Strategies, LLC) and Lowit (US EPA) [March 23: 12:10pm – 1:30pm; CC Ballroom 6F]
- SYMPOSIUM 15: Nrf2 Signaling Pathways in Model Systems: A Master Regulator of Neurotoxicity and a Potential Therapeutic Target. Chairs: Nass (Indiana University) and Johnson (University of Wisconsin) [March 23: 2:00pm – 4:45pm; CC Room 1]
- WORKSHOP 21: Regulatory Neurodevelopmental Testing: New Guiding Principles for Harmonization of Data Collection and Analysis. Chairs: Li (Exponent) and Bowers (Health Canada & Carleton University) [March 24: 9:00am – 11:45am; CC Ballroom 6F]
- SYMPOSIUM 14: New Developments in the Management of Nerve Agent Poisoning. Chairs: Vale (University of Birmingham) and Thiermann (Bundeswehr Institute of Pharmacology and Toxicology) [March 24: 1:30pm – 4:15pm; CC Ballroom 6D]
- WORKSHOP 06: Deciphering Clinical and Experimental Retinal Toxicology: An Eye on the Present and Future. Chairs: Chow (Allergan) and Fox (University of Houston) [March 25: 9:00am – 11:45am; CC Ballroom 6E]

- SYMPOSIUM 01: Adult Neurogenesis in Chemical-Induced Neurotoxicities: A New Frontier in Toxicological Mechanistic Investigations, Biomarker Research, and Therapeutic Targeting. Chairs: Zheng (Purdue) and Bowman (Vanderbilt) [March 25: 1:30pm – 4:15pm; CC Ballroom 6B]
- WORKSHOP 18: Microphysiological Models of the Developing Nervous System: Biologically-Driven Assembly Inspired by Embryology and Translated to Human Developmental Toxicology. Chairs: Knudsen (US EPA) and Slikker (US FDA) [March 26: 9:00am – 11:45am; CC Ballroom 6F]

Endowment Fund Details:

Toshio Narahashi Neurotoxicology Fellowship Award

As of July 23, 2015: \$59,233

Newsletters:

NTSS Fall Newsletter Nov. 14, 2014.

http://www.toxicology.org/groups/ss/NTSS/doc/NTSS_NL_Nov14.pdf

NTSS Spring Newsletter April 15, 2015, link

http://www.toxicology.org/groups/ss/NTSS/doc/NTSS_NL_April15.pdf