

Neurotoxicology Specialty Section
Annual Report: 2005 - 2006

I. Slate of Officers and Committees

| | <u>2004</u> - <u>2005</u> | <u>2005</u> - <u>2006</u> |
|----------------------|----------------------------------|-------------------------------|
| President | Carey Pope | Richard Seegal |
| Vice President | Richard Seegal | Robert MacPhail |
| Vice President-elect | Robert MacPhail | Chris Newland |
| Secretary/Treasurer | Mary Gilbert | Mary Gilbert |
| Past President | Stephanie Padilla | Carey Pope |
| Councilors | Lisa Opanashuk Stephen Lasley | Stephen Lasley Pamela Lein |

SOT Committees

| | |
|---|---|
| Animals in Research | Jan Oberdoester (Chair 2005-2006) Brian Marable (2003-2006) Nikolay Filipov (2005-2008) |
| Career Resource Development | Ginger Moser (2004-2007) |
| Program | Philip Bushnell (2004-2007) |
| Committee on K-12 Education | Steven Gilbert (2005-2008) |
| IUTOX Councilor | Marion Ehrich (2004-2007) |
| Subcommittee on Non-SOT & Contemporary Topics in Toxicology | Janice Chambers (2005-2006) |
| Subcommittee Regional Chapter Funding | Janice Chambers (2005-2006) |

2004 - 2005 Annual Meeting: March 7, 2005

II. Activities

The Officer's Meeting was called to order at 7:00am on Monday, March 7, 2005 by the Neurotoxicology Specialty Section (NTSS) President, Carey Pope. In attendance were Past President Stephanie Padilla, President-Elect Richard Seegal, Vice President Robert MacPhail, Councilors Lisa Opanashuk and Stephen Lasley, Secretary-Treasurer Mary Gilbert, Student Representative Michele Taylor, Webmaster Russell Carr, and newly elected officers Pamela Lein (Councilor) and Chris Newland (Vice President Elect).

The reception and business meeting for the Specialty Section was held on Tuesday evening March 8, beginning at 6:00 p.m., and was attended by approximately 140 members. President Carey Pope called the meeting to order at approximately 6:30 p.m. The following items were discussed:

A. Election Results

The election results were announced and the new officers, Chris Newland and Pamela Lein were

introduced. The nominating committee was chaired by Bernie Weiss and committee members included Wei Zheng and Spencer Mortensen. Election ballots were prepared and distributed by the Secretary-Treasurer. Newly elected members are listed above.

B. Secretary-Treasurer's Report

Finances:

The SS account balance was \$15,006 on June 30, 2005.

Membership in the SS as of September, 2005 stands at 282.

C. Monsanto Support for Student Awards

The pre-doctoral and post-doctoral winners of the student awards were announced (see below). For both student and postdoctoral competitions, first prize is \$500.00 cash; second prize is \$300.00 and third prize is \$150.00. As in past years, the cash awards to the first-place winners in the pre- and post-doctoral categories were paid from funds provided by Monsanto. This donation originated 5 years ago based on an annual contribution of \$1000.00. This the last year of funding from this source. Officers were encouraged to seek additional sources of funding to continue this award.

D. Taylor and Francis Certificate Award . For both student and postdoctoral competitions, in addition to monetary awards, gift certificates for \$150.00 for 1st prize, \$100.00 for 2nd prize, and \$50.00 for 3rd prize were presented by Taylor Francis Publishers a representative from Taylor Francis was present at the Business Meeting/Reception.

E. Scientific Meeting

Scientific Sessions at SOT. Neurotoxicology was well represented at this year's meeting, with 4 Symposia, 2 Workshops, 2 Sunset Sessions, and 7 Poster Sessions. NTSS was primary sponsor for 3 of the symposia, both Workshops, and 1 of the Sunset Sessions..

Workshops:

Neuroimaging Strategies for Application to Neurotoxicology and Risk Assessment

Cellular/Molecular Mechanisms Involved in Environmental Chemicals: Dopaminergic Neurotoxicity & Neurodegenerative Diseases

Symposia:

Organophosphates and Carbamates: Cholinergic vs Noncholinergic Mechanisms

Pesticide Neurotoxicity in Adults: Integrating Contributions for Epidemiology & Toxicology

What Makes Metals Neurotoxic in Degenerative Disorders?

Systems Biology: Approaches/Applications to Toxicology

Sunset Sessions:

2nd Place Award

Anne Dreiem, PhD

Mentor: Dr. Richard Seegal

Wadsworth Center, New York State

Department of Health, Empire State Plaza

Albany, NY

Effects of methylmercury on mitochondrial function and reactive oxygen species formation in striatal synaptosomes from rat.

3rd Place Award-Tie

Jason Richardson, PhD

Mentor: Dr. Gary Miller

Center for Neurodegenerative Disease &

Dept Environmental and Occupational Health

Emory University, Atlanta, GA

Developmental Pyrethroid Exposure Alters Dopaminergic Neurochemistry Resulting in Hyperactivity and Enhanced Toxicity of MPTP

3rd Place Award - Tie

Cheng Wang, PhD

Mentor: Dr. William Slikker

National Center for Toxicological Research

Division of Neurotoxicology

Jefferson, AR

Blockade of N-methyl-d-aspartate Receptors by Ketamine Produces Loss of Monkey Frontal Cortical Neurons in Culture.

III. Other 2004 - 2005 Activities and Accomplishments:

NTSS had planned to institute a “Best Poster in Neurotoxicology” Competition in 2005.

Due to the limited period of time available to review abstracts once available online, it was agreed that the competition be a “Best Abstract” not a “Best Poster” Award and be based on self-nomination.

The NTSS student representative, Michele Taylor, presented a poster of the Student Mixer to encourage student membership.

IV. Future Plans

1. Increase membership in the NTSS. Continue attempts to retain members after they have completed their doctoral or post-doctoral training and to identify potential new student members.
2. We will initiate a Logo contest among our student membership and have trinkets provided at the Student Mixer.
3. Continue to foster new relationships with industry.
4. To continue to provide leadership in the area of neurotoxicology.
5. To continue efforts to increase training opportunities for student and post-docs.
6. To serve as a medium for disseminating information regarding research opportunities.