

# IMMUNOTOXICOLOGY SPECIALTY SECTION

## ANNUAL REPORT: 2012-2013

May 1, 2012 to April 30, 2013

### I. Officers/Committees:

<u>Officers</u>	<u>2011-2012</u>	<u>2012-2013</u>
President:	Rodney Dietert	Gregory Ladics
Vice President:	Gregory Ladics	Gary Burleson
Vice President-Elect:	Gary Burleson	Danuta Herzyk
Secretary/Treasurer:	Susan McKarnes	Susan McKarnes
Past President	Leigh Ann Burns Naas	Rodney Dietert
Councilors:	Kazuichi Nakamura	Jean Pfau
	Jean Pfau	Peyton Myers
PDA Representative:	Teri Girtsman	Teri Girtsman
GSLC Representative:	Xiaochu Zhang	Kinta Serve

### Committees and Chairs for 2012-2013:

#### Standing Committees

Awards Committee: Jean Pfau

Communications: Haley Neff-Laford (Newsletter); Ashwini Phadnis (website liaison)

Education (and Pool of Lecturers): Judy Zelikoff

Membership: George DeGeorge

International Exchange: Mitchell Cohen

Regulatory: Peter Thomas

Program Committee: Danuta Herzyk

#### Ad-Hoc

NIH Study Section: Steve Pruett

#### Other

Compilation of Newsletter Citations: Haley Neff-LaFord

Newsletter Typesetter: Peyton Myers

### II. Activities:

**2013 SOT Annual Meeting Reception** was held in San Antonio on Tuesday, March 12, 2013 from 6:00-7:30PM in the Grand Hyatt Texas Ballroom C.

An estimated 150-200 people were in attendance.

Dr. Ladics called the meeting to order at 6:45.

**Meeting Minutes:** (Appendix I has the PowerPoint slide set from the reception and business meeting)

**Awards:**      **Vos Award Career Achievement in Immunotoxicology** Kimber White, Jr., PhD

**Best Paper 2012** High Mobility Group Box-1 Mediates Hyperoxia-Induced Impairment of Pseudomonas aeruginosa Clearance and Inflammatory Lung Injury in Mice  
American Journal of Respiratory Cell and Molecular Biology (DOI: 10.1165/rcmb.2012-0279OC on October 18, 2012)

Vivek S. Patel<sup>1</sup>, Ravikumar A. Sitapara<sup>1</sup>, Ashwini Gore<sup>1</sup>, Binh Phan<sup>1</sup>, Lokesh Sharma<sup>1</sup>, Vaishali Sampat<sup>1</sup>, Jian Hua Li<sup>2</sup>, Huan Yang<sup>2</sup>, Sangeeta S. Chavan<sup>2</sup>, Haichao Wang<sup>2</sup>, Kevin J. Tracey<sup>2</sup>, and Lin L. Mantell<sup>1,2,3</sup>

1 Division of Cardiopulmonary Toxicology, Department of Pharmaceutical Sciences, St. John's University, Queens, New York

2 Center for Inflammation and Immunology, Feinstein Institute for Medical Research, Manhasset, New York

3 Center for Heart and Lung Research, Feinstein Institute for Medical Research, Manhasset, New York

**Outstanding Young Investigator Award** Jamie C. DeWitt, Ph.D.

**HESI Travel Award** Dr. Mili Mandal, Ph.D.

Department of Pharmacology and Toxicology  
Rutger's University

**Best Presentation by a Postdoctoral Fellow:** none submitted this year

**Best Presentation by a Student – 1st Place** Xiao Pan

Quantitative phosphoproteomic analysis of the dynamic signaling network mediating proinflammatory response in the spleen of mice under deoxynivalenol-induced ribotoxic stress.

Microbiology and Molecular Genetics

Department of Food Science and Human Nutrition

Michigan State University

**Best Presentation by a Student – 2nd Place** Lori S. Ahrenhoerster

“Developmental Aryl Hydrocarbon Receptor (AHR) Activation Attenuates Hemotopoietic Stem Cell Capacity to Undergo Lymphocyte Differentiation”

Joseph J. Zilber School of Public Health; Univ. Wisconsin-Milwaukee

**2013 SOT Annual Meeting Courses/Sessions:**

CE Courses:

“Approval of Biosimilar Monoclonal Antibodies: Scientific, Regulatory, and Legal Challenges”;  
Chairs- Lynne LeSauter and Jonathan Urban

### Symposia:

“Genetic and Epigenetic Determinants of Susceptibility to Environmental and Occupational Toxicants”, Chairs- Berran Yucesoy and Victor Johnson

“From Immunotoxicity to Nanotherapy: The Effects of Nanomaterials on the Immune System”; Chairs- Matthew Smith and Nigel Walker

### Workshops:

“Pulmonomics, the Exposome, and Microbiomes in Immunotoxicology”; Chairs- Marc Williams and Joachim Pleil.

### Informational:

“Harnessing Electronic Standards and Informatics to Transform the Use of Regulatory Toxicological Data” Chairs: L. Peyton Myers and Leigh Ann Burns-Naas.

Note: This was submitted as the Immunotoxicology Specialty Section’s number one choice for the Informational Category; however, the Program book listed this as sponsored by the Biotechnology Specialty Section and endorsed by the Regulatory and Safety Evaluation Specialty Section.

**Endowment Fund Details:** The Health and Environmental Sciences Institute Immunotoxicology Young Investigator Travel Award Endowment Fund continued to grow in 2012-2013 and currently has permanently restricted assets of \$42,403 (April 2013) up \$3300 from the previous year.

**Newsletters:** The newsletter was published and distributed electronically to the membership in July 2012, November 2012, and January 2013. All newsletters and bulletins are posted to the ImToxSS website and to ToXchange.

**Teleseminars:** No teleseminars were presented in 2012-2013.

**White Papers:** No white papers were developed specifically by the Specialty Section in 2012-2013.

### **Other Specialty Section 2012-2013 Activities:**

The ImTox SS Student/Postdoc Mixer was held on Monday evening, March 11, 2013 from 7:45-10:00PM at the Anchote Cafe in the Hyatt hotel.

A brainstorming session was held Wednesday morning, March 13, 2013 from 7:30 AM -8:30 AM at the Grand Hyatt Hotel to discuss the topic of the Immunotoxicology Specialty Section putting together a Contemporary Concepts in Toxicology Meeting in 2013. Approximately 10 specialty section members (the organizing committee) participated. The meeting provided ideas

and a possible roadmap for a CCT Meeting. The Immunotoxicology Specialty Section is planning on submitting a CCT Meeting proposal in 2013.

Through the work of the Internal Exchange Committee chaired by Mitchell Cohen and the financial support of the SOT through its Global Initiatives Program, two speakers presented at the 2012 Japanese Society of Immunotoxicology Meeting. Dr. van Loveren presented a lecture entitled “Overview and Application of the WHO/IPCS Harmonized Guidance for Immunotoxicity Risk Assessment for Chemicals” and Dr. Emanuela Corsini (special guest of JSIT) presented lecture on “Current trends in *in vitro* immunotoxicology in Europe.”

**Appendix I** : PowerPoint slides from the March 12, 2013 Reception and Business Meeting

