

NAME OF SPECIALTY SECTION \_\_\_\_\_ Immunotoxicology\_\_\_\_\_

## ANNUAL REPORT: 2014-2015

May 1, 2014 to April 30, 2015

### I. Officers/Committees:

<u>Officers</u>	<u>2014-2015</u>
President:	Danuta Herzyk
Vice President:	Rafael Ponce
Vice President-Elect:	(Laine) Peyton Myers
Secretary/Treasurer:	Haley Neff-LaFord
Past President	Gary R Burleson
Senior Councilor	Jamie DeWitt
Junior Councilor	Cheryl E. Rockwell
Post-Doctoral Assembly (PDA) Representative:	Ashwini Phadnis-Moghe
Graduate Student Leadership Committee (GSLC) Representative:	Aimee Hillegas

#### Committees:

##### **Awards Committee**

Chair: Jamie DeWitt (Sr. Councilor)

M.Firoze Khan  
Berran Yucesoy  
Sarah Blossom  
Michael Laiosa  
Malvin Stern  
Yasumitsu Nishimura

##### **Communications**

Chair: Ashwini Phadnis

Haley Neff-LaFord  
Anand Ravindran

##### **Education**

Chair: Judith Zelikoff

David Lawrence  
Venkatesh Hegde

##### **Regulatory**

Chair: Peter Thomas

Greg Bannish  
David Lehmann  
Andrew Rooney  
Narendra Singh

## **Program**

Chair: Rafael Ponce (VP)

M. Firoze Khan  
Narendra Singh  
Venkatesh Hegde  
David Lawrence  
Michael Lynes  
Berran Yucesoy  
David Lehmann  
Peer Karmaus

## **Membership**

Chair: George DeGeorge

## **II. Activities:**

**2015 SOT Annual Meeting Reception** was held in San Diego, California on 24 March 2015. Approximately 180 people were in attendance.

Dr. Danuta Herzyk called the meeting to order at 6:30 PM on 24 March 2015.

Guest Speakers:

- Dr. Jack Dean – Perspectives on 30 years of ITSS from the first ITSS President
- Dr. Rodney Dietert – Special Feature Presentation

Business Meeting Speaker: Dr. Herzyk

### **Awards presented at the Reception:**

*2015 Vos Lifetime Career Achievement Award*

Dr. David Lawrence, New York State Department of Health's Wadsworth Center

*HESI Immunotoxicology Young Investigator Travel Award*

Dr. Fenna Sillé, University of California Berkeley

*Outstanding Senior Immunotoxicologist Award*

Dr. Kenneth Hastings, Hastings Toxicology Consulting

*Outstanding Young Immunotoxicologist Award*

Dr. Saurabh Chatterjee, University of South Carolina

*Best Paper of the Year Award*

Genetic Variants in the Major Histocompatibility Complex Class I and Class II Genes are Associated with Diisocyanate-Induced Asthma.

*Journal of Occupational and Environmental Medicine*, 2014, **56**:382-387.

Authors: Berran Yucesoy, Victor J. Johnson, Zana L. Lummus, Michael L. Kashon, Marepalli Rao, Hansen Bannerman-Thompson, Bonnie Frye, Wei Wang, Denyse

Gautrin, André Cartier, Louis-Philippe Boulet, Joaquin Sastre, Santiago Quirce, Susan Tarlo, Dori Germolec, Michael I. Luster, and David I. Bernstein

*Best Presentation by a Postdoctoral Trainee Award*

Dr. Imir Metushi: The Use of Animal Models in Investigating the Mechanism of Idiosyncratic Drug-Induced Hepatotoxicity

*Best Presentation by a Student Award*

First Place: Carrie Long, West Virginia University

Increased Expression and Immunoregulatory Potential of MicroRNA 210 in a Murine Model of TDI Sensitization

Second Place: Alexandra Turley, Michigan State University

The Food Additive tBHQ Inhibits Activation of Primary Human CD4T Cells

Third Place: Sarah Attreed, New York University

Exposure to Produced Water from “Fracking” Induces Immunotoxicity in Male Mice

**2015 SOT Annual Meeting Courses/Sessions:**

*Continuing Education Courses*

1. The New World of Cancer Immunotherapy: Challenges in Bench to Bedside Translation.
2. Skeletal System Endocrinology and Toxicology

*Roundtable*

Should Respiratory Sensitizers Be Listed As Substances of Very High Concern (SVHC) under REACH?

*Symposia*

1. Epigenetics, Developmental Programming, and Immune Function: Where Do We Go from Here?
2. Immune Responses to Different Classes of Inhaled Particulates: Unique vs. Shared Responses and Mechanisms
3. Immunostimulant Cancer Treatments: Toxicology Programs with an Autoimmune “Twist”

*Workshops*

1. Current Understanding of Immune-Mediated Adverse Drug Reactions
2. Strengths and Weaknesses of Mouse Models in Studies of Immunological Effects of Drugs and Chemicals

**Endowment Fund Details:** HESI Fund \$54,056 (as of Dec 2014)

**Newsletters:** Summer, Fall and Pre-SOT bulletin issued in July 2014, December 2014 and March 2015, respectively.

**Teleseminars:** none

**White Papers:** none

**Contributions to SOT website:** updates on ITSS membership and awards

### **Other Specialty Section 2014-2015 Activities:**

1. Conducted monthly teleconferences of the Executive Committee members.
  2. Obtained the SOT Global Initiatives Funding support (\$2000) to cover travel cost of ITSS representative (Dr. Marc Pallardy) to the JSIT Annual Meeting (September 2014).
  3. Reorganized ITSS committees by combining Membership with Communication and discontinuation of Regulatory Committee. Current ITSS Committees and their updated Mission Statements were prepared and posted during the Annual Reception:
    - Awards
    - Communication & Membership
    - Education
    - Program
  4. Generated *Best Practice Guides* for activities and responsibilities of Awards Committee and Program Committee.
  5. Initiated a new ITSS activity “Mentor – Student/Postdoc Event” with a pilot meeting organized prior to the Annual Reception (24 March, 5-6 PM)
    - Initiative by the PDA and GSLC representatives
    - Supported by Education Committee Liaison from the Executive Committee, Dr. Cheryl Rockwell
    - Mentors represented immunotoxicology field from academic (Dr. Jamie DeWitt), government (Dr. Peyton Myers), pharmaceutical industry (Dr. Rafael Ponce) and consulting/CRO (Dr. Gary Burleson) institutions.
  6. Continued trend of increase in ITSS membership in 2014-2015 period.
  7. Held the face-to-face breakfast meeting of the Executive Committee (23 March, San Diego).
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