

NAME OF SPECIALTY SECTION: Immunotoxicology

ANNUAL REPORT: 2008-2009

May 1, 2008 to April 30, 2009

I. Officers/Committees:

Officers:

	<u>2007-2008</u>	<u>2008-2009</u>
President:	Stephen B. Pruett	Jeanine L. Bussiere
Vice President:	Jeanine L. Bussiere	Jean F. Regal
Vice President-elect:	Jean F. Regal	Leigh Ann Burns-Naas
Secretary/Treasurer:	Helen Ratajczak	Helen Ratajczak
Councilors:	Rod Dietert	Danuta Herzyk
	Danuta Herzyk	Marc Pallardy
<i>Past-President</i>	Mitchell D. Cohen	Stephen B. Pruett
SAC Representative:	Haitian Lu	Haitian Lu
PDA Representative:	Stacey Anderson	Stacey Anderson

Committee Chairs:

Education (and Pool of Lecturers): Judy Zelikoff
International Exchange Committee: Mitch Cohen
Membership Committee: George DeGeorge
Communications Committee: Susan McKarns
Regulatory Committee: Peter Thomas
Newsletter: Peyton Meyers

II. Activities

ImToxSS Officers' Meeting - SOT

17 March, 2009 7:30 – 9:00am

Baltimore, MD

Business Meeting Minutes: see Attachment I

2009 SOT Annual Meeting Reception was held 17 March, 2009 in Baltimore, MD

Approximately 125 people were in attendance.

Dr. Bussiere called the meeting to order at 7:00 PM on 17 March 2009.

Awards:

- Student Award for Best Presentations:
 - 3rd place: Chidozie Amuzie (Michigan State U)
 - 2nd place: Haitian Lu (Michigan State U)
 - 1st place: Jaishree Bankoti (U Montana)
- Post-doc Award: Patrick Shaw (Michigan State U)
- Best Paper: [Laiosa MD, Eckles KG, Langdon M, Rosenspire AJ, McCabe MJ Jr.](#)
Exposure to inorganic mercury in vivo attenuates extrinsic apoptotic signaling in

Staphylococcal aureus enterotoxin B stimulated T-cells. *Toxicol Appl Pharmacol.* 225:238-250, 2007.

- The Young Investigator Award (for those within 10 years of PhD):
There were two tied winners: David Shepherd (U Montana) and Timothy Reilly (Bristol Myers Squibb).
- The Vos Award: Michael Holsapple (HESI)

2009 SOT Annual Meeting Courses/Sessions:

CE Courses:

Free Radicals for Toxicologists - From the Basics to Inflammation and Disease (AM)

Chairs: Lin Mantell and Judith Zelikoff

Immunology for Toxicologists

Chairs: Ian Kimber and Paymond Pieters

Free Radicals for Toxicologists - From the Basics to Inflammation and

Disease (PM)

Chairs: Lin Mantell and Judith Zelikoff

Symposia:

Superantigens, Cytokine Storm, and Toxic Reactions.

Chairs: G. Frank Gerberick and Ian Kimber

Eat Well, Breathe Well: Nutritional Determinants of Susceptibility to Airborne Pollutants.

Chairs: James Wagner and Ilona Jaspers

Immunomodulation During Complementary and Alternative Medicine (CAM)

Therapy: Risks and Benefits

Chairs: Barbara Kaplan and Prakash Nagarkatti

Nanotoxicology and Drug Delivery

Chairs: Chris Somps and Robert Chapin

The Good, the Bad, and the Ugly of Toxicant-Induced Pulmonary Inflammation

Chairs: Lin Mantell and Judith Zelikoff

Transcriptional Changes in Immunotoxicology: Transcription Factors, Signal Transduction, and Epigenetics

Chairs: Keiko Nohara and Nancy Kerkvliet

The Role of Inflammation During Metabolic Liver Disease and Drug-Induced Liver Toxicity: Novel Insights

Chairs: Shashi Ramaiah and Harmut Jaeschke

Heat Shock Proteins and the Toxicological Response

Chairs: Kathleen Gabrielson and Y. James Kang

Platform Sessions:

Immunoregulation and Toxicity

Chairs: Daniel Wierda and Ben Guan

Mechanisms of Hypersensitivity

Chairs: Rebecca Dearman and Raymond Pieters

Mechanisms in Immunotoxicology

Chairs: Courtney Sulentic and Robert Luebke

Workshop Sessions:

Food Allergy – Basic Mechanisms and Application to Identifying Risks

Associated with Plant Incorporated Pesticides and Other Genetically-Modified Crops -

Chairs: Mary Jane Selgrade and Susan Laessig

Biomarkers for Assessing the Systemic Inflammatory Response Syndrome in Toxicology Studies

Chairs: Calvert Louden and Denise Bounous

Workshop Session: Is Modulation of the Immune System by Perfluoroalkyl Acids a Human Health Concern?

Chairs: Jamie DeWitt and Robert Luebke

Poster Sessions:

Hypersensitivity and Autoimmunity

Chairs: Jean Regal

Immunotoxicology

Chairs: Lisa Ryan

Endowment Fund Details:

The HESI Immunotoxicology Young Investigator Travel Award

ILSI/HESI ImTox Technical Committee gave us \$12500 to establish an endowment fund. SOT matched the funds. With this endowment fund we can give an award to support travel to the annual meeting for a young investigator. People can still contribute to this fund. In some cases, employers will match your contribution, and for all contributions, SOT adds a matching amount. Recipients should be within 5 years of completing their dissertation. A letter from the post-doc advisor and/or employer is needed, along with a curriculum vitae and letter from the applicant about how attendance at the SOT meeting will contribute to their career development. The applicant must submit an abstract to be able to attend. Applicants from the USA or other countries are eligible, but need not be a member of SOT. However, SOT members will be given preference.

Newsletters:

Quarterly newsletters are published which also contain recent publications of interest in the field of immunotoxicology as well as highlights from the annual meeting and planning for next year's meeting.

Books:

"Immunotoxicology Strategies for Pharmaceutical Safety Assessment", edited by Danuta Herzyk and Jeanine Bussiere

Contributions to SOT Web site:

There was an ISS/SIG officers' meeting in the summer of 2008 and at the annual meeting in 2009. One of the goals is to build our external reputation by revamping the web-site and providing general articles on toxicology points of interest. SOT national is soliciting authors for these articles (more detailed information will be sent shortly) and for feedback on the new website. June 15 is the deadline for these articles, which will be reviewed by a lawyer. Several folks volunteered to work on these articles:

Prenatal Info: Rod Dietert and Judy Zelikoff

Asthma and household diseases: Helen Ratajczak

Risks vs benefits: Leigh Ann Burns-Naas

SOT would like to partner with other organizations, so please provide examples where this might occur. We also need to make more nominations for SOT national awards, share annual reports and newsletters from other specialty sections, and track membership. SOT is also attempting to record CE courses and offering them later through the website. SOT national has set up a mentoring program so please sign up as mentors!

Attachment 1: Business Meeting and Annual Reception Minutes

ImToxSS Officers' Meeting - SOT

17 March, 2009 7:30 – 9:00am

Convention Center, Room 330

Baltimore, MD

Attendees

Officers:

President: Jeanine L. Bussiere

Vice President: Jean F. Regal

Vice President-Elect (and Program Committee Chair): Leigh Ann Burns-Naas

Secretary/Treasurer: Helen Ratajczak Edmond

Past President: Stephen B. Pruitt

Junior Councilor: Marc Pallardy

Postdoctoral Representative: Stacey Anderson

Student Representative: Haitian Lu

New Officers:

New Secretary/Treasurer: Jacintha M. Shenton

Vice President-Elect: Rodney R. Dietert

Junior Councilor: Wendy J. Komocsar

Committee Chairs

Education (and Pool of Lecturers): Judy Zelikoff

International Exchange Committee: Mitch Cohen

Newsletter: Peyton Meyers

The meeting was called to order by President Jeanine Bussiere.

The SOT Endowment Fund was discussed. Our award is the HESI Immunotoxicology Young Investigators Travel Award, to be given to a young investigator who is within 5 years of receiving a PhD degree. This award replaces the International Postdoc Award. This award will be given as a flat amount and is therefore not taxable. We will know in July how much we can give (we could have given \$1000.00 this year). The amount is now capped at \$1500.00, and the amount will vary depending on the amount available, which will be announced in the August newsletter. The guidelines for the award are captured below:

- **The HESI Immunotoxicology Young Investigator Travel Award** is presented yearly to a scientist who meets the following criteria:
 - ≤5 years from having completed their graduate dissertation

- Letter from postdoctoral advisor, and/or employer indicating the individual's past contributions to immunotoxicology (or a closely-related discipline) and potential future contributions to the discipline,
 - CV and letter from applicant on how attendance at SOT will contribute to their career development in immunotoxicology.
 - The individual must have submitted an Abstract and be able to attend the Annual Meeting. The Abstract must be included in the application.
 - Both US and international individuals are eligible.
 - The individual need not be a member of the SOT, but those who are members or who are in the process of becoming members will be given preferential consideration.
- Selection of the recipient will be made by a committee consisting of the Vice President-Elect, Vice-President, President, and most recent 3 Past-Presidents. An individual cannot be the recipient of the award more than once.

There was an ISS/SIG officers' meeting in the summer and yesterday. One of the goals is to build our external reputation by revamping the web-site and providing general articles on toxicology points of interest. SOT national is soliciting authors for these articles (more detailed information will be sent shortly) and for feedback on the new website. June 15 is the deadline for these articles, which will be reviewed by a lawyer. There is money to pay to PhDs to write articles at the lay level (Bisphenol A, etc.).

Several folks volunteered to work on these articles:

Prenatal Info: Rod Dietert and Judy Zelikoff

Asthma and household diseases: Helen Ratajczak

Risks vs benefits: Leigh Ann Burns-Naas

SOT would like to partner with other organizations, so please provide examples where this might occur. We also need to make more nominations for SOT national awards, share annual reports and newsletters from other specialty sections, and track membership. SOT is also attempting to CE courses and offering them later through the website. SOT national has set up a mentoring program so please sign up as mentors!

For the Vos Award, the winner (Michael Holsapple) is asked to limit his talk to 10 minutes. The May newsletter will have an article with more details about Dr. Holsapple (Leigh Ann and Mike to craft).

First place winners in the student and postdoctoral categories will get a copy of the book "Immunotoxicology Strategies for Pharmaceutical Safety Assessment", edited by Danuta Herzyk and Jeanine Bussiere, as well as a 1 year subscription to J. Immunotox.

The Outstanding Young Immunotox Award will have two winners this year: Tim Reilly and Dave Shepherd. This decision was made by the executive committee based on the fact that neither of them would be eligible next year and the vote was extremely close.

Contributions of names for awards and initially for programs were very low. It was decided that review articles are not eligible for the best paper award. The council members should contribute names of papers to be considered for best paper. Need to

remind Program Committee members that they are each supposed to contribute an idea for a program as part of their role on the committee.

Program proposals for the 2010 SOT meeting are as follows:

Symposia:

- The Role of Regulatory T Cells in Immunotoxicology
- Silica and Asbestos Immunotoxicity
 - Joint with JSIT
- Measuring Immune Responses in Monkeys During Drug Development - Opportunities and Challenges
- What Features Confer on Chemicals and Proteins Allergenic Properties

Workshops:

- Progression of Preclinical Immunotoxicity to Human Immunomodulation Monitoring in the Clinic COMBINED WITH Immunomodulatory Drugs and the Development of Serious Infection
- Immunotoxicity and Other Safety Considerations in the Development of Therapeutic Vaccines

Roundtables:

- The Ying and Yang of Immunomodulatory Biopharmaceuticals

CE courses:

- Proposals Being Developed
 - Cytokine Biology (4 in preparation)
 - Vaccine Safety Assessment

For 2010, Rod Dietert will be the chair of the Program Committee.

George DeGeorge is president of another group, and had a conflicting meeting, so Mitch Cohen gave the membership report: In January there were 219 members because a number of people had not paid their dues. We got 132 back. 86 are AWOL as of now. The current number of members is 403, making us the 3rd largest group, with Risk Assessment and Regulatory Safety having more members.

Judy Zelikoff spoke about the pool of lecturers, saying they need to know available money by September.

Mitch Cohen said the Japanese requiring info about the Japan trip 2 years in advance is confusing. Nancy Kerklevit and Keiko are having a session at SOT Baltimore and Takemi Otsuki and Andrij Holian are planning a symposium submission for Salt Lake City in 2010. In September, Dori Germolec and Judy Zelikoff will go to the Japanese Society of Immunotoxicology meeting in Japan to speak about Children and Immunity. Keiko will chair the session.

Due to increasing amount of work to put together the newsletter, it was decided to increase the compensation per newsletter from \$100/issue to \$150/issue. The executive

committee agreed to this increase to Peyton Myers. Peyton will continue to work on the newsletter and possible mentor another person to help with this activity.

The reception agenda is set for about 45 minutes, with 10 min for the winner of the Vos Award (Mike Holsapple).

The meeting was closed by President Jeanine Bussiere.

ImToxSS Reception - SOT
17 March, 2009 6:00 – 7:30pm
Convention Center, Room 304
Baltimore, MD

Meeting was opened by President Jeanine Bussiere.

Welcome!

She announced members need to pay dues in order to vote.

New officers:

Rod Dietert: Vice President-Elect
Jacintha Shenton: Secretary-Treasurer
Wendy J. Komocsar: Junior Councilor

ILSI/HESI ImTox Technical Committee gave us \$12500 to establish an endowment fund. SOT matched the funds. With this endowment fund we can give an award to support travel to the annual meeting for a young investigator. People can still contribute to this fund. In some cases, employers will match your contribution, and for all contributions, SOT adds a matching amount. Recipients should be within 5 years of completing their dissertation. A letter from the post-doc advisor and/or employer is needed, along with a curriculum vitae and letter from the applicant about how attendance at the SOT meeting will contribute to their career development. The applicant must submit an abstract to be able to attend. Applicants from the USA or other countries are eligible, but need not be a member of SOT. However, SOT members will be given preference.

From SOT national – We have a good reputation. We should provide feedback on the new SOT Website. Check it out. Suggest new proposal topics. Link SOT to other organizations (add new organizations). Make more nominations for SOT national awards. Share annual reports across specialty sections.

Committee Reports:

Membership: George DeGeorge: In 2008 we lost 218, but regained 132. There are 28 new members. 86 are still AWOL. Be sure to pay your dues! We are the 3rd largest section.

International Exchange Committee: Mitch Cohen: The Japanese Society of Immunotoxicology. Nancy Kerklevit and Keiko had a session at the SOT meeting this year. Andrij Holian and Takemi Otsuki will also have a session in Salt Lake city in 2010. In September, Dori Germolec and Judy Zelikoff will go to Japan to speak about Children and Immunity. Keiko will chair the session.

Student Rep: Haitian Lu: SOT national has set up a mentoring program and are promoting meetings between students and professionals. Students and Mentors – Please sign up.

Post-Doc Rep: Stacey Anderson: Please come to the mixer. The post-doc rep also goes to the Post doc assembly and the student advisory council, so the Post-Doc Rep really represents a bigger group.

Program Committee: Leigh Ann Burns-Naas: Proposal. Timeliness is very important. Look at the 2011 themes. Programs can be broad or focused, but all relevant to immunotoxicology. Send in a well-considered, fleshed-out abstract for symposia/workshops [minimally give a description of the talk(s)]. Only 1 non-SOT speaker.

Please sign up on the sheets at the head table. Note: If you are on the program committee, you must submit a proposal.

Awards:

Danuta Herzyk gave plaques to

Student Award for Presentations (Plaques and checks):

3rd place: Chidozie Amuzie (Michigan State U)

2nd place: Haitian Lu (Michigan State U)

1st place: Jaishree Bankoti (U Montana)

Post-doc Award (Plaque and check): Patrick Shaw (Michigan State U)

First place winners also received a 1 year subscription to the Journal of Immunotoxicology and a copy of the book “Immunotoxicology Strategies for Pharmaceutical Safety Assessment”, edited by Danuta Herzyk and Jeanine Bussiere.

Best Paper: [Laiosa MD, Eckles KG, Langdon M, Rosenspire AJ, McCabe MJ Jr.](#)
Exposure to inorganic mercury in vivo attenuates extrinsic apoptotic signaling in Staphylococcal aureus enterotoxin B stimulated T-cells. *Toxicol Appl Pharmacol.* 225:238-250, 2007.

Jean Regal presented the young investigator Awards (for those within 10 years of PhD):
There were two tied winners: David Shepherd (U Montana) and Timothy Reilly (Bristol Myers Squibb).

The winner of the Vos Award was Michael Holsapple. Dr. Holsapple's presentation was titled "Some Perspectives on a Career in Immunotoxicology". Now a member of HESI, Dr. Holsapple had industrial experience with the Dow Chemical Company, and academic experience with the Medical College of Virginia. More information about Dr. Holsapple will be available in the May 2009 issue of the ImToxSS Newsletter.

The Vice President Jean Regal presented a plaque to the President Jeanine Bussiere.

Next year will be the 25th anniversary of the Immunotoxicology Subspecialty Section!

The meeting was adjourned by Jeanine Bussiere.