

# IMMUNOTOXICOLOGY SPECIALTY SECTION ANNUAL REPORT 2010-2011

May 1, 2010 to April 30, 2011

## I. Officers/Committees:

| <b>Officers</b>     | <b>2009-2010</b>     | <b>2010-2011</b>     |
|---------------------|----------------------|----------------------|
| President:          | Jean F. Regal        | Leigh Ann Burns Naas |
| President-Elect:    | Leigh Ann Burns Naas | Rod Dietert          |
| Vice President:     | Rod Dietert          | Greg Ladics          |
| Secretary/Treasurer | Jacintha Shenton     | Jacintha Shenton     |
| Councilors:         | Marc Pallardy        | Wendy Komocsar       |
|                     | Wendy Komocsar       | Kazuichi Nakamura    |
| Past-President      | Stephen B. Pruett    | Jean Regal           |
| SAC Representative: | Haitian Lu           | Xiaochu (Chu) Zhang  |
| PDA Representative: | Stacey Anderson      | Jennifer Franco      |

## Committees and Chairs for 2010-2011:

### Standing Committees

Awards Committee: Wendy Komocsar  
Communications: Susan McKarns (website liaison)  
Education (and Pool of Lecturers): Judy Zelikoff  
Membership: George DeGeorge  
Regulatory: Peter Thomas  
International Exchange: Mitch Cohen  
Program Committee: Greg Ladics

### Ad Hoc Committees

50<sup>th</sup> Anniversary Celebration Poster: Susan McKarns  
By-Laws Review and Update: Rod Dietert  
NIH Study Section: Steve Pruett  
Regional Meeting: Leigh Ann Burns Naas

### Other

Compilation of Newsletter Citations: Haley Neff-LaFord  
Newsletter Typesetter: Peyton Myers

## II. Activities:

### **2011 SOT Annual Meeting Reception**

The Annual Reception and Business Meeting was held on Wednesday March 9<sup>th</sup> 2011 from 6:00 to 7:30 pm in the Walter E. Washington Convention Center, Washington, DC. An estimate between 150 and 200 people were in attendance. Dr. Burns Naas called the meeting to order at 6:20 PM. Meeting Minutes are provided as Appendix 1 to this report. The presentation used at the reception is posted in ToXchange for the Immunotoxicology Community.

## **Awards**

Best Presentation by a Student (9 applicants in 2011)

1<sup>st</sup> Place – Jenna Benson, University of Montana

2<sup>nd</sup> Place (tie) – Peer Karmus (Michigan State University), Tom Simones (University of Montana)

3<sup>rd</sup> Place – no award given as there was a tie for 2<sup>nd</sup> place

Best Presentation by a Postdoctoral Fellow – Jinze Li, PhD

Best Immunotoxicology Paper Award (8 nominations)

Diane Antonios, Philippe Rousseau, Alexandre Larangé, Saadia Kerdine-Römer, Marc Pallardy, Mechanisms of IL-12 synthesis by human dendritic cells treated with the chemical sensitizer NiSO<sub>4</sub>. *Journal of Immunology* 185(1):89-98, 2010.

Outstanding Young Immunotoxicologist Award – Victor J. Johnson, PhD

HESI Immunotoxicology Young Investigator Travel Award (Endowment Fund)

Dr. Naoko Kumagai, Kawasaki Medical School, Department of Hygiene

Vos Award (Career Achievement) – Ralph Smialowicz

## **Endowment Fund Details**

The Health and Environmental Sciences Institute Immunotoxicology Young Investigator Travel Award Endowment Fund continued to grow in 2010-2011. The fund has permanently-restricted net assets of \$31,500.00 (as of June 2010) which represents an increase in \$1650 from the previous year.

## **2011 SOT Annual Meeting Courses/Sessions:**

### Continuing Education

*Drug Hypersensitivity Reactions: Risk Assessment and Management.* Marija Popovic, Eli Lilly & Company, Indianapolis, IN, and Jessica Whritenour, Pfizer Global Research and Development, Groton, CT

### Symposia

*Environmental Oxidative Pollutant-Induced Pulmonary Toxicity.* Lin Mantell, St. John's University, Queens, NY, and Judith Zelikoff, New York University School of Medicine, Tuxedo Park, NY

### Workshops

*Identification of Chemical Respiratory Allergens: Principles and New Developments.* Ian Kimber, University of Manchester, Manchester, United Kingdom, and Takahiko Yoshida, Asahikawa Medical College, Asahikawa, Japan *NOTE: This session is a part of the ImToxSS-JSIT International Exchange.*

*Autoimmunity Versus Systemic Hypersensitivity: Commonalities Useful for Immunotoxicity Testing.* Raymond Pieters, Utrecht University, Utrecht, Netherlands, and Dori Germolec, National Toxicology Program, Research Triangle Park, NC

**Newsletters:** The newsletter was published and distributed electronically to the membership in May 2010, August 2010, and November 2010, and a pre-SOT Bulletin with Annual Meeting announcements and a membership and treasurer's report was published in March 2011. Additionally, the SAC and PDA representatives prepared a Meeting Planner prior to the Annual Meeting highlighting all potential sessions of interest to the membership. The pre-SOT Bulletin and Planner were distributed shortly in advance of the meeting. All newsletters and bulletins are posted to the ImToxSS website and to ToXchange. The Newsletter has been coordinated by the Specialty Section Secretary/Treasurer but the Executive Committee determined this year that beginning May 1, 2011 this responsibility will fall to the Communications Committee.

**Teleseminars:** No teleseminars were presented in 2010-2011.

**White Papers:** No white papers were developed specifically by the Specialty Section in 2010-2011.

**Contributions to SOT Web site:** No new additions to the SOT Website were made in 2010-2011

#### **Other Activities**

1. Letterhead and Memo Templates with the Immunotoxicology Logo designed and approved by SOT Council for official Specialty Section use.
2. Council approved a request for SOT Global Strategic Initiatives Matching Funds (\$2K) for the International Exchange with the Japanese Society of Immunotoxicology.
3. To aid in long-term fiscal responsibility, the ImToxSS acquired a projector for use at our annual meeting receptions. It is estimated this will save the section \$400-500/year. We have been approached by other sections to possibly borrow the projector. The Executive Committee agreed this could happen, but for a small fee (TBD by the 2011-2012 Executive Committee).
4. Judy Zelikoff has been a member of the College of Reviewers; Mitch Cohen was included on the list submitted by the SOT Council.
5. A 50<sup>th</sup> Anniversary poster was prepared to highlight the historical development of the discipline of immunotoxicology. The poster file has been uploaded to ToXchange for accessibility by our membership. Additionally, with the approval of *Toxicological Sciences* Editor Lois Lehman-McKeenan, the poster will be published in modified form in the *Journal of Immunotoxicology* in 2011.
6. A time capsule contribution was prepared and submitted to celebrate the 50<sup>th</sup> anniversary. The Keepsake Box, with the theme "Home is Where Your Story Begins" including:
  - a. Framed picture of Dr. Joseph (Jeff) Vos
  - b. A copy of "Immune Suppression as Related to Toxicology", reprinted in *The Journal of Immunotoxicology* in honor of Jeff Vos upon his passing
  - c. A book entitled, *Biological Relevance of Immune Suppression as Induced by Genetic, Therapeutic, and Environmental Factors*
  - d. Copy of the introductory article, "Immunotoxicology Phenomenon", by John (Jack) Moore in the 1979 "Special Issue on Immunotoxicology" of *Drug and Chemical Toxicology*
  - e. Picture of Past-Presidents of the Immunotoxicology Specialty Section taken at the 2010 SOT Annual Meeting in Salt Lake City, during the celebration of the Specialty Section's 25<sup>th</sup> Anniversary.

- f. A copy of an article “A Quarter-Century of Immunotoxicology: Looking Back, Looking Forward” published in *Toxicological Sciences* in 2010 to mark the Immunotoxicology Specialty Section’s 25<sup>th</sup> Anniversary celebration year.
  - g. The Immunotoxicology Specialty Section 25<sup>th</sup> Anniversary Logo
  - h. A copy of this submission letter so those opening the time capsule in the future will understand the significance of the contents
7. Investigated the possibility of holding a regional meeting for immunotoxicology. Investigated options included a Gordon Conference, CCT, and a satellite meeting with a regional immunology conference. Members of the committee felt that best option for the membership was a satellite meeting with the Autumn Immunology Conference (Chicago). The AIC was eager to have us participate with them and was able to offer us the ability “add-on” to their contract with the hotel. ImToxSS needs to obtain external funding support for this as it is not in our current budget, and this became a stumbling block to holding the meeting in November 2011. The option will continue to be investigated in 2011-2012 with a goal of holding the meeting in November 2012.
8. The by-laws were reviewed and updated.

## APPENDIX 1

### ImTox SS Reception Minutes 2011 SOT Annual Meeting

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Time/Location: Wednesday March 9<sup>th</sup> 2011; 6:00 to 7:30 pm/Walter E. Washington Convention Center, Washington, DC.

Leigh Ann called the meeting to order at 6:20 pm. Jacintha estimates that ~150 people were in attendance (rough count).

Note: Only business not adequately covered in the Executive Committee Meeting minutes (see Appendix 2) are described below. The slides that Leigh Ann presented at the Reception are embedded below.



Microsoft Office  
PowerPoint 97-2003 !

1. SOT-approved ImTox SS Template for Memo/Letter were presented to the membership.
2. Progress Against 2010-2011 Goals
  - a. Goal 1 – Follow-up on toxicology study section and immunotoxicology grant review issues
    - i. Still need to better representation on Study Sections - ad hoc or permanent (desired)
    - ii. College of Reviewers (CoR)
      1. Judy Zelikoff is a member
      2. Mitch Cohen included in list submitted by SOT Council (final status with CoR unknown)
      3. Three Immunotoxicologists on the Innate Immunity and Inflammation Section
      4. Others?
  - b. Goal 2 – Investigate feasibility for a recurring regional immunotoxicology meeting and hold the first of these before the end of 2011
  - c. Goal 3 – Update the bylaws
  - d. Goal 4 – Fiscal responsibility
    - i. Council approved our request for SOT Global Strategic Initiatives Matching Funds (\$2K) for International Exchange with JSIT
    - ii. Purchased projector for receptions (\$500)
      1. Beginning 2012, saves ~\$400-500/year
      2. Requests from other SS/SIG/RC for use will incur a small fee (to be determined) to help recoup our cost over time.
      3. Unable to move reception off-site in 2011 due to potential impact on total SOT budget negotiations with Convention Center
    - iii. Ordered less food for the Reception than recommended for the expected number of attendees

- e. Goal 5 – 50<sup>th</sup> Anniversary
    - i. Celebration Poster
      - 1. Committee: Susan McKarns (Chair), Nancy Kerkvliet (Co-Chair), Leigh Ann Burns Naas, Mitch Cohen, Jack Dean, Jennifer Franko (ImTox SS Postdoc Rep), Mike Laisoa, Paige Lawrence, Rachel Palmer (Student, Univ. Maine), Jean Pfau, Priya Raman (Student, Mich State), Jean Regal, Kathy Rodgers, Chu Zhang (ImTox SS Student Rep)
      - 2. No cost to ImToxSS!! Thank you to the undergraduates from University of Missouri!
        - a. Michael Bonn, Rio Schondelmeyer , Jacob Dey , Patrick Miller
    - ii. Time Capsule Contribution
      - 1. Pete Thomas and Jack Dean were key contributors
3. Awards
- a. Best Student Presentation – 9 nominees
    - i. 1<sup>st</sup> Place - Jenna M. Benson ‘Aryl Hydrocarbon Receptor Activation Suppresses Intestinal Inflammation’
    - ii. 2nd Place - (tie) Peer Karmaus - ‘ $\Delta$ 9-Tetrahydrocannabinol Decreases Dendritic Cell Immune Responses after Influenza Infection in vivo and Toll-like Receptor Stimulation in vitro’
    - iii. 2nd Place (tie) Tom Simones ‘Ah Receptor Activation Generates Regulatory Dendritic Cells Capable of Inducing CD4+CD25+ FoxP3+ Regulatory T cells’
  - b. Best Presentation by a Postdoctoral Fellow - Jinze (Robert) Li, PhD ‘Immunological Aspects of An Animal Model of Amodiaquine-Induced Liver Toxicity’
  - c. Best Paper of the year – 8 nominees
    - i. Diane Antonios, Philippe Rousseau, Alexandre Larangé, Saadia Kerdine-Römer and Marc Pallardy. Mechanisms of IL-12 synthesis by human dendritic cells treated with the chemical sensitizer NiSO<sub>4</sub>. J Immunol. 2010 Jul 1;185(1):89-98.
  - d. HESI Travel Award - Naoko Kumagai, PhD
  - e. Vos Award Career Achievement in Immunotoxicology - Ralph Smialowicz, PhD
    - i. Ralph’s wife (Susan) and daughter (Amy) graciously accepted the award on Ralph’s behalf because his illness prevented him from attending SOT.

## APPENDIX 1

### *ImTox SS Executive Meeting Minutes 2011 SOT Annual Meeting*

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Time/Location: Wednesday March 9<sup>th</sup> 2011; 6:30 to 8:00 am/Fifteen Squares Restaurant, Renaissance Hotel, Washington, DC.

**Attendees:**

Executive Committee: Leigh Ann Burns Naas, Rod Dietert, Jean Regal, Jacintha Shenton, Jean Pfau (2011-2012), Jennifer Franko, Chu Zhang

Extended Executive Committee: Mitch Cohen, Peter Thomas

| <i>Executive Committee</i>                                | <i>2010-2011</i>         | <i>2011-2012</i>                     |
|---|--------------------------|--------------------------------------|
| <b>President</b>  | Leigh Ann Burns Naas     | Rod Dietert                          |
| <b>Past President</b>                                     | Jean Regal               | Leigh Ann Burns Naas                 |
| <b>Vice President</b>                                     | Rod Dietert              | Greg Ladics                          |
| <b>Vice President-Elect &amp; Program Committee Chair</b> | <i>Greg Ladics</i>       | Gary Burleson <sup>a</sup>           |
| <b>Senior Councilor &amp; Awards Committee Chair</b>      | Wendy Komocsar           | <i>Kazuichi Nakamura</i>             |
| <b>Junior Councilor</b>                                   | <i>Kazuichi Nakamura</i> | <i>Jean Pfau<sup>a</sup></i>         |
| <b>Secretary-Treasurer</b>                                | Jacintha Shenton         | Susan McKarns                        |
| <b>Postdoc Rep</b>  | Jennifer Franko          | Jennifer Franko (until Fall of 2011) |
| <b>Student Rep</b>  | Xiaochu (Chu) Zhang      | <i>To be determined</i>              |
| <b><i>Committee Chairs</i></b>                            |                          |                                      |
| <b>Communications Committee Chair</b>                     | Susan McKarns            | Haley Neff-LaFord<br>Ashwini Phadnis |
| <b>Education Committee Chair</b>                          |                          | Judith Zelikoff                      |
| <b>Membership Committee Chair*</b>                        |                          | George DeGeorge                      |
| <b>*cc Judy Moore</b>                                     |                          |                                      |
| <b>Regulatory Committee</b>                               |                          | Peter Thomas                         |
| <b>International Exchange Committee</b>                   |                          | Mitchell Cohen                       |
| <b><i>Other</i></b>                                       |                          |                                      |
| <b>Newsletter Typesetter &amp; Photographer</b>           |                          | Peyton Myers                         |

<sup>a</sup>New members for 2011-2012

1. **New members and role changes of existing members were introduced.**
  - a. Jean Pfau elected Junior Councilor
  - b. Susan McKarns elected Secretary/Treasurer and will step down as Communications Committee Chair

- i. Transitions occur on May 1<sup>st</sup>
- c. Chu is graduating and a new student rep must be found. A sign-up sheet was prepared for the ImTox SS reception.
- d. Jen is also going to be completing her postdoc and will have to step down as postdoc rep in the Fall.
- e. Noted that members of the ImTox SS - Judy Zelikoff and Dori Germolec - were elected to the SOT council as Secretary-Elect and as a Councilor, respectively.

## 2. Study Section Update

- a. Judy Zelikoff on the grant review board
- b. Mitch submitted as a member by SOT council
- c. Norb Kaminski indicated that it was difficult to get the appropriate people on the study sections. They are looking for permanent representation vs. ad hoc representation.
- d. Action: Talk to Steve Pruett and/or Scott Burchiel to get a detailed update.

## 3. Regional Meeting

- a. Three options:
  - i. Gordon Conference
  - ii. Current Concepts in Toxicology (CCT)
  - iii. Satellite to a regional meeting
- b. The CCT and Gordon Conference are equally matched in regard to the investment of time and funds. Thus, chose the final option for 2011.
  - i. Targeted regional meeting – Autumn Immunology Conference (AIC) in Chicago
    - 1. Aim is to provide venue where Immunologists can interact with Toxicologists.
    - 2. AIC supportive of ImTox SS hosting a 1 day meeting directly preceding the AIC.
    - 3. ImTox SS to be granted access to the AIC conference rates. Overall cost to ImTox SS for the meeting venue could be less than \$2000 (very low). However, expenditures for travel support would be required since the aim is to attract student/postdoc/academic speakers.
    - 4. Funding will not come from the ImTox SS budget as we are not in a position for this financially.
    - 5. However, requests for funding from corporate sponsors have not been productive because industry has already finalized its funding decisions for the year. Also, we do not yet have a program to support a funding request.
    - 6. A letter of intent for a grant (R13) is required before March but the funding decision is not released until October. This is too late in the year to safely support a meeting in the Fall of 2011.
    - 7. Thus, a decision was made not to host a regional meeting in 2011. Efforts will be focused on a regional meeting in 2012.
  - ii. A CCT meeting will also continue to be considered for 2012.



- iii. Leigh Ann will continue to coax a group of Academics to develop program(s) for these meetings and decide on a theme.
  - 1. Rod Dietert suggested Immunotoxicology in Chronic Disease.

#### **4. Program Proposals for 2012**

- a. Of note, there was only a 33% acceptance rate last year for programs for the 2011 meeting.
- b. In 2011, there were too few programs relevant to Immunotoxicology.
- c. Discussed that the themes come out too late from SOT so the program proposals are not aligned with SOT's themes (although themes do not greatly impact on acceptance of program proposals).
- d. ImTox SS needs more submissions to increase the likelihood that some are accepted.
- e. Comments are very important for the proposals. The Program Committee Chair does this on line.
- f. Currently, 2 CE courses, 4 symposia, and 3 workshops have been submitted.
- g. Deadline for submission to be extended to the end of March.

#### **5. Bylaws**

- a. Bylaws are still in review by SOT lawyers
- b. Post-meeting note: Review complete and significant changes made. For example, almost all of the text on committees was struck from our proposed revisions. Ballot has gone out to the membership for voting.

#### **6. Financial Report (see report on next page)**

- a. Note that the SOT global strategic initiatives funds must be applied for again in May.
- b. Mitch confirmed that the J of Immunotoxicology will continue to cover the costs of our members who travel to Japan for the JSIT.
- c. Projector was purchased to avoid repeated high costs of renting a projector at the Annual Meeting venue for our ImTox SS reception.
- d. Discussed hosting the 2012 ImTox SS Reception off-site to reduce costs (see section 10.)
- e. Discussed raising the ImTox SS dues from \$15 to \$25 but the feasibility of this needs to be further investigated.
- f. Few contributions to HESI endowment fund.

|   | 2010-2011        | 2009-2010        | 2008-2009          | 2007-2008 |
|---|------------------|------------------|--------------------|-----------|
| <b>Income</b>   |                  |                  |                    |           |
| <b>Contributions</b>  |                  | 900              | 900                | -         |
| <b>Dues</b>   | 5,070            | 5,070            | 4,725              | 4,575     |
| <b>Registration</b>   | 3,642            | 3,642            | 4,009              | 4,516     |
| <b>Interest</b>   | 385              | 385              | 456                | 789       |
| <b>Global Initiatives Matching Funds</b>  |                  | 2,000            |                    |           |
| <b>Total Income</b>   | 9,097            | 11,997           | 10,090             | 9,881     |
| <b>Expense</b>  |                  |                  |                    |           |
| <b>Awards</b>   | (450)            | 1,550            | 900                | 900       |
| HESI award  |                  | 1,000            |                    |           |
| best postdoc  | 200              | 200              |                    |           |
| best student 1st  | 200              | 200              |                    |           |
| best student 2nd  | 75               | 100              |                    |           |
| best student 3rd  | 75 <sup>e</sup>  | 50               |                    |           |
| <b>Plaques (Accent Engraving)</b>   | 723 <sup>f</sup> | 760              | 727                | 741       |
| <b>Executive Meetings</b>   |                  | 0                | 1,622              | 2,700     |
| <b>Miscellaneous</b>  | 2,031            | 1,082            | 3,336              | 2,351     |
| ImTox Pool of Lecturer's  | -                | (1,035)          | 3,133 <sup>a</sup> |           |
| Student Travel support  | 350              |                  |                    |           |
| Student/Postdoc Mixer   | 216              | 200              | 203                |           |
| Japan Exch - US visits Japan  |                  | 860 <sup>b</sup> |                    |           |
| Japan Exch - Japan visits US  | 966              | 561              |                    |           |
| Signage at SOT  |                  | 59               |                    |           |
| Past President gifts  | -                | 421              |                    |           |
| Velcro tabs for ImTox Logo  |                  | 16               |                    |           |
| Projector & Case  | 499              |                  |                    |           |
| <b>Newsletter</b>   |                  | 300              | 350                | 400       |
| August  |                  | 150              |                    |           |
| November  |                  | 150              |                    |           |
| May   |                  | 0                |                    |           |
| <b>Reception</b>  | 6,209            | 9,798            | 10,156             | 4,581     |
| Food and Beverage   | 4,625            | 6,075            |                    |           |
| Bartender   |                  | 90               |                    |           |
| Cashier   | 326 <sup>d</sup> | 60               |                    |           |
| Tax   |                  | 633              |                    |           |
| Gratuity  | 990              | 1,305            |                    |           |
| Audio Visual  | 267              | 1,105            |                    |           |
| Wired Podium Microphone   | 51               | 25               |                    |           |
| Data Projector Package<br>(Does not include computer or laptop)                 | -                | 415              |                    |           |
| Screen (7-1/2' X 10')   | 90               | 60               |                    |           |
| Projector Stand   | 30               | 23               |                    |           |
| Audio Mixer   | 40               | 30               |                    |           |
| Labor   | 56               | 552              |                    |           |
| Cupcakes  |                  | 450              |                    |           |
| Balloons  |                  | 80               |                    |           |
| <b>Total Expense</b>  | 8,513            | 13,490           | 17,092             | 11,674    |
| <b>Excess (Deficiency) of</b>   |                  |                  |                    |           |
| <b>Revenue over Expenses</b>  | 584              | (1,493)          | (7,002)            | (1,793)   |
| <b>Net Assets Beginning of year</b>   | 8,081            | 9,574            | 16,576             | 18,369    |
| <b>Net Assets End of Year</b>   | 8,665            | 8,081            | 9,574              | 16,576    |
| <b>Projected expenses or income</b>   |                  |                  |                    |           |
| <b>Possible Expenses (not clear from Annual Meeting Reception Budget Guide)</b> |                  |                  |                    |           |

## **7. Japanese Exchange**

- a. Taka Yoshida represented the JSIT at SOT this year.
- b. Later this year, Greg Ladics will represent the ImTox SS at the JSIT.
- c. Greg and Reiko Teshima will present a program at SOT in 2012.

## **8. 50<sup>th</sup> Anniversary poster and Time Capsule Contribution**

- a. Susan led the anniversary poster effort. Undergraduate students at the University of Missouri helped out.
  - i. No cost to the ImTox SS.
- b. For the time capsule see the Reception minutes.

## **9. Committees**

- a. Membership Committee
  - i. Chairperson, George DeGeorge, noted that no members were being recruited for the membership committee.
  - ii. It was agreed that members would be recruited for this committee for 2011-2012 overturning the decision not to recruit members at last year's meeting.
- b. Regulatory Committee
  - i. Pete Thomas would like to continue on as Chair of this committee.
  - ii. Pete queried whether the ImTox SS should provide formal comments on new regulatory guidance relevant to Immunotoxicology and indicated that he'd rather keep the committee as an 'update' committee rather than a committee taking a position on new guidance.

## **10. 2012 ImTox SS Reception**

- a. Discussed hosting the ImTox SS off-site in 2012. This has been discussed previously and dismissed primarily due to concerns from SOT that this would cause problems with the conference center but also because SOT does not provide support (logistics) for off-site receptions. However, it was noted that some Specialty Sections indeed hosted their Receptions off-site and that the ImTox SS should investigate opportunities.