

NAME OF SPECIALTY SECTION Dermal Toxicology

ANNUAL REPORT: 2011-2012

May 1, 2011 to April 30, 2012

I. Officers/Committees:

<u>Officers</u>	<u>2010-2011</u>	<u>2011-2012</u>
President:	William Reifenrath	Jeffrey Yourick
Vice President:	Jeffrey Yourick	Carol Sabourin
Vice President-Elect:	Carol Sabourin	John Graham
Secretary/Treasurer:	Adrienne Black	Adrienne Black
Past President	George DeGeorge	William Reifenrath
Senior Councilor:	Cynthia Ryan	Linda Mutter
Junior Councilor:	Linda Mutter	John Harbell
PDA Representative:	Lauren Markell	Lauren Markell
GSLC Representative:	Gayatri Sankaran	Gayatri Sankaran

Committees:

Communications Committee (John Graham, Lauren Markell, and Carol Sabourin)

Program Committee - Carol Sabourin and Jeff Yourick

Awards Committee - Linda Mutter and John Harbell

Membership Committee – George DeGeorge

II. Activities:

2012 SOT Annual Meeting Reception was held in San Francisco on March 13, 2012.

Approximately 60 people were in attendance. Dr. Jeffrey Yourick called the meeting to order at 6:00 PM on March 13, 2012. Dr. Adrienne Black presented a financial update. The meeting minutes are attached (see Attachment 1).

The Awards were presented by John Harbell.

- Informa Paper of the Year Award – Wally Hayes
 - Madsen JT, Vogel S, Johansen JD and Andersen KE. 2011. Encapsulating contact allergens in liposomes, ethosomes, and polycaprolactone may affect their sensitizing properties. *Cutan Ocul.Toxicol.* 30: 116-123.
- DTSS Best Paper of the Year award - John Harbell
 - Markell LM, Masiuk KE, Blazanin N and Glick AB. 2011. Pharmacologic inhibition of ALK5 causes selective induction of terminal differentiation in mouse keratinocytes expressing oncogenic HRAS. *Mol. Cancer Res.* 9:746- 756.
- Sinclair Student award – John Harbell
 - Senthilkumar Prumal Kuppusamy: Telomerase Reactivation with Increased cMYC, hTERT and hTR gene expression reverses telomere shortening in human skin keratinocytes: A potential mechanism of PCB carcinogenesis. (Human Toxicology, University of Iowa, IA).

- Stratacor Post Doctoral award – John Harbell/ William Reifenrath
 - Jamie Bernard: TLR3 is critical for the inflammatory cytokine sunburn response by detecting ultraviolet light damage to a non-coding RNA. (Department of Toxicology, Rutgers University, NJ).
 - An engraved diffusion cell was presented along with the check.
- Battelle Student Research Proposal Awards – John Harbell /Carol Sabourin
 - Swethi Inturi: Investigating the mechanisms involved in the repair of nitrogen mustard-induced DNA double strand breaks. (Department of Pharmaceutical Sciences, University of Colorado, Aurora, CO)
 - Vincent Ramirez: Heat Shock Proteins A1A and A6 are transcriptionally regulated by TNIP1 in keratinocytes. (School of Pharmacy, University of Connecticut, Storrs, CT)

2012 SOT Annual Meeting Courses/Sessions:

- CE Course: Cutaneous Toxicity – In Vitro Methods for Toxicity and Safety Evaluation.
Co-Chairs: William Reifenrath, Cynthia Ryan
- Symposium: Mechanisms of Inflammation in Skin Carcinogenesis. – Co-Chairs: Lauren Mordasky Markell and Michael Borland

Endowment Fund Details: NA

Newsletters: Winter 2011

Teleseminars: NA

White Papers: NA

Contributions to SOT website: NA

Other Specialty Section 2011-2012 Activities: NA

ATTACHMENT 1

Dermal Toxicology Specialty Section Reception SOT 51th Annual Meeting Tuesday, March 13, 2012 6:00 – 7:30 pm

Welcome and Introduction of Current Officers – Jeff Yourick

Jeffrey Yourick (President), Carol Sabourin (President-Elect), John Graham (Vice President), Adrienne Black (Secretary-Treasurer), John Harbell (Junior Councillor), Lauren Mordasky Markell (Postdoctoral Representative), Gayatri Sankaran (Student Representative), William Reifenrath (Past-President)

Thanks to Retiring Officers – Jeff Yourick

Jeff thanked the outgoing officers for their past service: Adrienne Black as Secretary-Treasurer, Lauren Mordasky Markell as Postdoctoral Representative, Gayatri Sankaran as Student Representative, Linda Mutter as Senior Councillor

Welcome to New Officers for 2012-2013 – Jeff Yourick

- Vice-President Elect – Jens Mortensen
- Secretary-Treasurer Elect- Jill Harvilchuck
- Junior Councillor Elect– Michael Babin

Financial update – Adrienne

The net assets at the end of the fiscal year are \$14,716. This amount includes \$8478 carried over from the previous year and \$5000 received from Battelle for the Battelle Research Award. The meeting expenses are estimated at \$8000 with approximately \$2300 for the reception costs, \$5000.00 for the Battelle and \$500.00 for the DTSS awards, and roughly \$200.00 for ancillary costs including poster printing, purchase of plaques, etc. The DTSS income for 2011 included dues of \$2310, registration fees from the 2011 SOT meeting of \$1597 and interest of \$701.

Scientific Program Proposals for 2013 – Carol Sabourin

Carol announced that the deadline for proposals, symposia, workshops, and CE courses for the 2012 meeting is April 26, 2013 and asked that anyone with an idea for one of these programs to contact her as soon as possible.

Reports from 2011 Battelle Award Winners – Carol Sabourin

- Thomas Hill (University of California): Thomas described how the money provided by the award allowed her to finish his doctoral work and that he currently holds a post-doctoral appointment with the University of Colorado, Denver. His research showed that the DOUX proteins are upregulated in differentiating keratinocytes and that these molecules are responsive to changes in calcium and cytokine concentrations. These proteins are also upregulated by heavy metals, primarily in water systems. As a result, the DOUX proteins may serve as a marker for environmental contamination, particularly in dermal exposures.
- Anand Ravindran (Pennsylvania State University): Anand's research analyzed the role of TGF β in UVB-induced skin carcinogenesis using flow cytometry. He described how the funds provided by the award allowed him to purchase the supplies necessary to complete the

experiments. His research showed that TGF β is required for the activation of dendritic cells in the skin, demonstrating the importance of the growth factor in regulating dermal immunity and inflammatory responses.

Awards – John Harbell

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Student / Mixer Raffle: Lauren Markell/Gayatri Sankaran

The Graduate Student/Post-doc mixer was held Sunday, March 11, from 8:00 – 10:00 pm. Attendees of the mixer entered into a raffle for a Kindle, provided by MB Research, with the drawing to take place at the DTSS reception. The winner of the drawing was James Wang (Rutgers University, NJ).

Special Meeting Reminders - Jeff

- The Graduate Student and Post-Doctoral Representative position are currently open. Swetha Inturi and Anand Ravindran volunteered for the Graduate Student Representative position. Both volunteers will send their contact information to Jeff for the final selection.
- No volunteers came forward for the Post-Doctoral Representative. An email appeal will be sent to the membership, asking for volunteers.
- Student and post-doc members of the DTSS were asked to send their photos, contact information and list of research interests for inclusion in the next newsletter.
- Carol Sabourin presented Jeff Yourick, the out-going DTSS President, with a gift in recognition of his service.

Closing and Thank you – Jeff Yourick/Carol Sabourin