NAME OF SPECIALTY SECTION: Risk Assessment

ANNUAL REPORT: 2013-2014
May 1, 2013 to April 30, 2014

I. Officers/Committees:

<table>
<thead>
<tr>
<th>Officers</th>
<th>2012-2013</th>
<th>2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>President:</td>
<td>John Lipscomb*</td>
<td>Laurie Haws</td>
</tr>
<tr>
<td>Vice President:</td>
<td>Laurie Haws</td>
<td>John DeSesso</td>
</tr>
<tr>
<td>Vice President-Elect:</td>
<td>John DeSesso</td>
<td>Hugh Barton</td>
</tr>
<tr>
<td>Secretary/Treasurer:</td>
<td>Elaina Kenyon</td>
<td>George Woodall</td>
</tr>
<tr>
<td>Past President</td>
<td>Robinan Gentry</td>
<td>John Lipscomb*</td>
</tr>
<tr>
<td>Councilors:</td>
<td>Nancy Beck</td>
<td>Anna Lowit</td>
</tr>
<tr>
<td></td>
<td>Robert Budinsky</td>
<td>Nancy Beck</td>
</tr>
<tr>
<td>PDA Representative:</td>
<td>David Szabo/Roxana Weil</td>
<td>Michelle DeSimone</td>
</tr>
<tr>
<td>GSLC Representative:</td>
<td>Jose Torres</td>
<td>Jose Torres/PrathapKumar Mahalingaiah</td>
</tr>
</tbody>
</table>

*Membership on Specialty Section Collaboration and Communication Group 2012 - 2014

II. Activities:

2014 SOT Annual Meeting Reception was held in Phoenix on March 26, 2014. Approximately 375 people were in attendance.
Dr. Haws called the meeting to order at 6:15 PM on Wednesday, March 26, 2014.
Business Meeting Speaker: None

Meeting Minutes: The business meeting opened with a welcome from SOT President Dr. Lois D. Lehman-McKeeman. Dr. Haws then thanked the outgoing officers, welcomed the incoming officers, and presented the 2014 Award Winners with plaques and certificates of recognition. The business meeting portion of the mixer was kept to a minimum. As the RASS membership has repeatedly and consistently requested more time for networking during the mixer, the RASS Executive Committee decided not to have a technical presentation/debate during the mixer. This seemed to be very well received and appreciated by the RASS membership.

Awards:

2014 RASS AWARD WINNERS

Best Abstract
Harish Shankaran and Justin G. Teeguarden. Improving Urine-Based Human Exposure Assessment of Short-Lived Chemicals Using Reverse Dosimetry and NHANES Physiological and Behavior Data: A Value-of-Information Approach for Bisphenol A. Pacific Northwest National Laboratory, AstraZeneca. Abstract 1517 Poster Board 133 in Biomarkers II Poster Session. Wednesday, March 26, 9:00 AM to 12:30 PM.
**Best Published Paper Demonstrating an Application of Risk Assessment**
Alan F. Sasso, Paul M. Schlösser, Gregory L. Kedderis, Mary Beth Genter, John E. Snawder, Zheng Li, Susan Rieth, and John C. Lipscomb (2013). Application of an Updated Physiologically Based Pharmacokinetic Model for Chloroform to Evaluate CYP2E1-Mediated Renal Toxicity in Rats and Mice. *Toxicological Sciences*, 131(2), 360-374

**Best Published Paper Advancing the Science of Risk Assessment**

**Perry J. Gehring Best Post Doctoral Student, Rachel Church**

**Perry J. Gehring Best Graduate Student, Mia Johansson**

**John Doull Award, Melanie Adler**
**Melanie Adler**, EM Gottwald, AK Ajay, X Lu, M Hafner, A Subramanian, PK Sorger, VS Vaidya. Cell-based approach to predict kidney toxicity. Brigham and Women's Hospital, Harvard Medical School, Abstract 2055, Poster Board 555, in Kidney Poster Session. Wednesday, March 26, 1:00 – 4:30 pm.

**Robert J. Rubin Award, Mary Francis**
**Mary Francis**, M Mandal, H Choi, JD Laskin, DL Laskin. Role of Spleen Monocytes (Mo) in Ozone-induced Lung inflammation and Injury. Rutgers University, Piscataway, NJ. Abstract 395 Poster Board 114 in inflammation: Methods and Mechanisms. Monday, March 24 1:00-4:30 pm
**2014 SOT Annual Meeting Courses/Sessions:**

**Sunday, March 23**

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Title</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Course</td>
<td>Methodologies in Human Health Risk Assessment</td>
<td>8:15 am to 12:00 pm</td>
<td>CC 120A</td>
</tr>
<tr>
<td>CE Course</td>
<td>Epidemiology for Toxicologists: What the Numbers Really Mean</td>
<td>1:15 pm to 15:00 pm</td>
<td>CC 120B</td>
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**Monday, March 24**

<table>
<thead>
<tr>
<th>Type</th>
<th>Course Title</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symposium</td>
<td>Computational Approaches to Predict Repeat-Dose Toxicity: Lessons Learned from Cosmetic Ingredients</td>
<td>9:015 am to 12:00 pm</td>
<td>CC 126</td>
</tr>
</tbody>
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**Tuesday, March 25**

| Workshop | The Doorway Between Exposure and Response: How Biologically-Based Inhalation Dosimetry Models Enhance Human Health Risk Assessment | 9:00 am to 11:45 pm | CC 129 |
| Workshop | Adverse Outcome Pathways: A Conceptual Framework for 21st Century Risk Assessment | 1:30 pm to 4:45 pm | CC 124 |
| Workshop | Challenges Facing the Next Generation of Risk Assessment | 1:30 pm to 4:15 pm | CC 122 |
| Workshop | Developmental Toxicity from Chemical Mixtures: Research to Application in Susceptible Populations | 1:30 pm to 4:45 pm | CC 125 |

**Wednesday, March 26**

| Workshop | Understanding Weight of Evidence: Exploring Different Approaches to Integrating Evidence from Diverse Data Streams | 9:00 am to 11:45 am | CC 129 |
| Informational | Recent Challenges Beyond the Usual Toxicological and Public Health Challenges in Africa | 4:30 pm to 5:50 pm | CC 125 |
| Symposium | Clinical Evaluation of Emerging Biomarkers of Drug-Induced Liver Injury | 9:00 am – 11:45 am | Ballroom 120A |

**Endowment Fund Details:**

RASS is the benefactor of three funds, each of which supports student travel awards. Each of the award recipients, identified above, received a travel award ($1,000 each for the John Doull Endowment Student Award and both the Student and Post Doc Perry Gehring Endowment Awards; and $1,500 for the Robert J. Rubin Endowment Student Travel Award).

<table>
<thead>
<tr>
<th>Fund</th>
<th>Beginning Balance</th>
<th>Income</th>
<th>Gain on Investments</th>
<th>Disbursements</th>
<th>Revenue over Expenses</th>
<th>March 31, 2014 Balance</th>
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<tbody>
<tr>
<td>Doull</td>
<td>34,506</td>
<td>200</td>
<td>3,891</td>
<td>1,000</td>
<td>3,091</td>
<td>37,597</td>
</tr>
<tr>
<td>Gehring</td>
<td>39,456</td>
<td>200</td>
<td>4,437</td>
<td>1,578*</td>
<td>3,059</td>
<td>42,456</td>
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<tr>
<td>Rubin</td>
<td>37,190</td>
<td>500</td>
<td>4,279</td>
<td>1,500</td>
<td>3,279</td>
<td>41,190</td>
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* Although two $1,000 awards were given, there was a limit of 4% of endowment funds which were available; the reminder ($422) came from RASS General Funds.

**Newsletters:** January 2014
Teleseminars:

1/9/2013
Mode of Action Research, Multi-Species Pharmacokinetic Modeling, and Risk Assessment for the Carcinogenesis of Hexavalent Chromium in the Small Intestine

2/13/2013
Roundtable Panel Discussion: Should Journals Require the Release of Supporting Data as a Condition for Publication (RASS with Ethical, Legal, and Social Issues Specialty Section)

4/10/2013
Interface of Health Effects Caused by the Cardiometabolic Syndrome and Exposures to Air Pollutant Mixtures

5/8/2013
1 – Cumulative Risk Assessment: Approaches and Case Study;
2 – Evidence for the Existence of Nonmonotonic Dose-Response: Does it or Doesn’t It?
3 – Are Nonmonotonic Dose-Response Curves (NMDRCs) Common after Estrogen or Androgen Signaling Pathway Disruption: Fact or Falderal?

9/11/2013
International Experience in Addressing Combined Exposures: Increasing the Efficiency of Assessment

11/13/2013
1 – Approaches to Dose-Response Analysis for Compounds with Endogenous Production: Two Case Studies Critical Issues for Formaldehyde Cancer Risk Assessment (Swenberg Presentation and Starr Presentation)
2 – Derivation of Methanol RfD and RfC – Accounting for Background Blood Levels (Gift and Schlosser)

12/11/2013
1 – Providing the Missing Link: The Exposure Ontology (ExO) (Cohen-Hubal)
2 – High Throughput Human Exposure Forecasts for Environmental Chemical Risk

1/8/2014
Environment-wide Association Studies (EWAS) to Connect Multiple Personal Exposures to Health (RASS with Mixtures Specialty Section)

White Papers: None

Contributions to SOT website: Routine updating and revisions; newsletters, officer roles/responsibilities and award winners posted.
Other Specialty Section 2013-2014 Activities:

With Jose Torres’ graduation mid-term, RASS gratefully acknowledges Prathap Kumar Mahalingaiah’s dedication for completing the unexpired term of Student Representative.

Assisted George Mason University with the development and execution of a Risk Assessment Survey.

With the assistance of an appointed committee, RASS reviewed all potentially relevant papers published between January 1, 2013 and December 31, 2013 for consideration of two RASS Best Paper Awards – 1) Best Paper Demonstrating an Application of Risk Assessment and 2) Best Paper Advancing the Science of Risk Assessment. Winners were selected, along with the top 10 in each category, and awards were presented during the RASS mixer.

With the assistance of an appointed committee, RASS reviewed all potentially relevant risk assessment abstracts accepted for the 2014 Annual meeting. A winner was selected, along with the top 10 abstracts and ribbons were presented to all winners at their oral/poster presentations. Winners were also recognized during the RASS mixer.

With the assistance of an appointed committee, RASS reviewed all applications received from candidates for the various RASS awards. Winners were selected, ribbons were presented to all winners at their oral/poster presentations, and winners were presented with plaques and monetary awards at the RASS mixer.

Developed a poster that contained details of sponsored/endorsed sessions, award winners and other information pertinent to RASS’ annual meeting activities; poster displayed at SOT Pavilion, at GLSC and PDA receptions, and at RASS Mixer.

RASS GSLC and PDA representative displayed and attended the RASS poster at the GSLC/PDA reception. Bookmarks with QR links to sponsored sessions and award winners, as well as date, time and location of RASS reception were prepared and handed out.

Officers Breakfast Meeting Monday, March 24, 2014. – Of specific note is that the dates/times and locations of RASS’ award winning abstracts were identified and RASS officers volunteered to present award ribbons and certificates to presenters just before or at their presentations.

Initiated an on-going effort to establish and draft formal written documentation pertaining to officer roles and responsibilities and SOPs for session proposal evaluation and endorsement, for review and selection of best papers, for review and selection of best annual meeting abstracts, and for review and selection of RASS award winners. Goal was to ensure full and complete transparency to the RASS membership, to ensure greater consistency from year to year, and to facilitate changes in leadership from year to year. A document outlining Officer Roles and Responsibilities has been posted on the RASS website.
Initiated an on-going effort to update the RASS website to facilitate communication to and to enhance ease of use by the RASS membership.

Outreach to new SOT members potentially interested in RASS.

Participation on the Specialty Section Collaboration and Communication group.

Newly Elected Officers for 2014-2015 include: Sean Hayes, Vice President-Elect; Mike Lumpkin, Councilor; Allison Franzen, Student Representative.