ANNUAL REPORT: 2011-2012  
May 1, 2011 to April 30, 2012

I. Officers/Committees:  

<table>
<thead>
<tr>
<th>Officers</th>
<th>2011-2012</th>
<th>2012-2013</th>
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<tbody>
<tr>
<td>President:</td>
<td>Joan Tarloff</td>
<td>Michael Aleo</td>
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<td>Vice President:</td>
<td>Michael Aleo</td>
<td>Terrance Kavanagh</td>
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<td>Vice President-Elect:</td>
<td>Terrance Kavanagh</td>
<td>Vasilis Vasiliiou</td>
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<td>Secretary/Treasurer:</td>
<td>Patricia Ganey</td>
<td>Nathan Cherrington</td>
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<td>Past President:</td>
<td>Jose Manautou</td>
<td>Joan Tarloff</td>
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<td>Councilors:</td>
<td>Vasilis Vasiliiou</td>
<td>Brian Cummings</td>
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<td>Brian Cummings</td>
<td>Angela Slitt</td>
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<td>PDA Representative:</td>
<td>Tamara Tal</td>
<td>John Clarke</td>
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<tr>
<td>GSLC Representative:</td>
<td>Rebecca Smathers</td>
<td>Kyle Poulsen</td>
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II. Activities:  

2012 SOT Annual Meeting Reception was held in San Francisco on March 12. Approximately 130 people were in attendance. Dr. Tarloff called the meeting to order at 6:00 pm on March 12.

The following awards were presented at the 2012 annual business meeting (for more details, please see website):

Carl C. Smith Award (17 applicants):  
1st place: Alexandria Lau, University of Arizona

2nd place: Owen R. Kinsky, University of Arizona

3rd place: Afshin Momammadi Bardobori, Karolinska Institute

Honorable Mentions:  
Kristen Ryan, University of Colorado Anschutz Medical Campus  
Rhiannon Hardwick, University of Arizona  
Greg M. Landry, Louisiana State University Health Sciences Center

Gabriel Plaa Education Award (5 applicants):  
1st place: Tao Chen (Pennsylvania State University).  
Finalists: Rohit Singhal (Michigan State University) and Xia Wen (Rutgers University)
Renal Toxicology Award (6 applicants):
   1st place: Jessica M. Sappiro (University of Arizona)

Robert J. Rubin Student Travel Award:
   Leena Thuruthippallil (Ehime University)

2012 SOT Annual Meeting Courses/Sessions sponsored and endorsed by Mechanisms Specialty Section:

Monday Symposia

The Thick and Thin of Nuclear Receptors and Nrf2 in Diabetes and Obesity
9:15 AM Room 104 Convention Center

Toxicological Considerations of Epigenetic Targets in Product Development
9:15 AM Room 102 Convention Center

Breast Cancer as a Multi-Factorial Disease: Interaction of Genetics, Life Stage, and the Environment
2:00 PM Room 103 Convention Center

Molecular Basis for Prevention of Cardiotoxicity
2:00 PM Room 104 Convention Center

Toxic Cell Death: Signaling Pathways, Cross-Talk and High-Throughput Analysis
2:00 PM Room 308 Convention Center

Tuesday Symposium

Cross-Species Analysis of Toxicogenomics Data: Approaches for Assessing Differences in Sensitivity and Conservation of Mode-of-Action
9:00 AM Room 104 Convention Center

Tuesday Workshops

How Useful are Liver in vitro Models for Toxicity and Mode of Action Prediction?
1:30 PM Room 102 Convention Center

Novel Topics in Environmental Polycyclic Aromatic Hydrocarbon Metabolism Leading to Carcinogenesis
1:30 PM Room 305 Convention Center

Wednesday Symposia

Epigenetic and miRNA Regulations in Carcinogenesis: Toxicological Implications
9:00 AM Room 103 Convention Center  
New Visions in Toxicology: Lysosomes - Roles in Disease, Toxicity and Drug Development  
1:30 PM Room 103 Convention Center  
Trivalent Arsenic Metabolites and Arsenic Toxicity  
1:30 PM Room 304 Convention Center  
Wednesday Workshop  
Caught in the Act: Free Radical Detection and Implications in Pathways to Toxicity  
9:00 AM Room 304 Convention Center  
Thursday Symposia  
Emerging Evidence for Novel Noncholinergic Mechanisms of Organophosphate-Induced Neurotoxicity  
9:00 AM Room 308 Convention Center  
Emerging Mechanistic Targets in Lung Injury Induced by Combustion Generated Particles  
9:00 AM Room 305 Convention Center  
Realizing the Vision of 21st Century Toxicity Testing: Genetic Approaches to Pathway Analysis  
9:00 AM Room 304 Convention Center  

**Endowment Fund Details:**  
As of May 31, 2012, the Mechanisms Specialty Section has 5 endowments funds. Four are restricted (Carl Smith (approximately $83,363), Gabriel L. Plaa (approximately $74,987), Robert J. Rubin (with Risk Assessment Specialty Section, approximately $34,899), and Renal Toxicology (approximately $42,016)). One fund, the Ronald G. Thurman fund (approximately $21,987) has not yet reached restricted status.

**Newsletters:** Two newsletters were sent; Fall 2011 and Spring 2012.