

**IN VITRO and ALTERNATIVE METHODS SPECIALTY SECTION
(IVAM SS)**

ANNUAL REPORT: 2011-2012

May 1, 2011 to April 30, 2012

I. Introduction

Officers:

| <i>Position</i> | <i>2010-2011</i> | <i>2011-2012</i> |
|----------------------------------|----------------------------|-----------------------------------------|
| President | Sue Ford | Vincent Murphy |
| Vice President | Vincent Murphy | Sharon Meyer |
| Vice President-elect | Sharon Meyer | Suzanne Fitzpatrick |
| Secretary-Treasurer | Diane Hardej | Diane Hardej |
| Councilors | Greg Falls, Kylee Eblin | Kylee Eblin, Jessica Ryman-Rasmussen |
| Past President(s) | David Allen | Sue M. Ford |
| Student Representative | Andrea DeSantis | Sridhar Jaligama |
| Vice Student Representative | | Lisa Hoffman |
| Postdoc/Fellow Representative | Vijay Kale | Prajakta Palkar |

Committees:

Awards Committee: Suzanne Fitzpatrick, Sharon Meyer

Sharon Meyer assisted in judging of the MB Research Award

Judges of 2011 IVAM Student Award: Sharon Meyer, Vince Murphy, Suzanne Fitzpatrick, Diane Hardej

Reviewers of the Colgate-Palmolive award: SOT discontinued IVAM's advisory role in the review process.

Membership Committee: Vince Murphy, George DeGeorge, Prajakta Palkar, Sridhar Jaligama

Nominations Committee: Kylee Eblin, Vince Murphy

Program Committee: Sharon Meyer, Suzanne Fitzpatrick, Teresa Liberati, Hao Zhu, Erwin Roggen, Eugenio Vilanova

Nomination for SOT Nominating Committee ballot: not applicable

Number of Members: 318 current members, 41% corporate, 29% academic, 13% government and 18% contract/consulting.) (as of 3/12)

II. Activities

A. Annual Business Meeting/Reception:

The annual IVAM SS business meeting (luncheon reception) was held on **Wednesday, March 14th, 2012, 12 noon PST, Moscone Convention Center, San Francisco, CA**

Approximately 109 people were in attendance at the general meeting. After a general report was made by the President and financial report by the Secretary/treasurer, Sridhar Jaligama gave a summary of the student/postdoctoral mixer and the poster presented there, the IVAM SS Student Awards for best graduate student posters were presented by the Vice-president, Sharon Meyer and VP-elect Suzanne Fitzpatrick. New officers were presented by Kylee Eblin. Outgoing officers were presented with plaques.

B. 2012 IVAM SS Student Awards:

IVAM SS Student Awardees

| | Applicant | Sponsor | Abstract Title |
|--------------------------------------------|----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 st Place \$400 | Susanna Wegner | Elaine Faustman | Inhibition of cyclooxygenase 2 reduces dipentyl phthalate toxicity in a 3-dimensional in vitro rat testes co-culture model: evidence for an alternate mechanism of action |
| 2 nd Place \$200 | Samantha Snow | David Diaz-Sanchez | Soluble Components of Ultrafine Particulate Matter Induce Pro-coagulant Responses in Endothelial Cells |
| 1 st Place Post-doc \$400 | Hyun Kim | Don Ingber | Human peristalsing gut-on-a chip model for drug safety and efficacy |
| 2 nd Place post-doc \$200 | Daniel Leslie | Don Ingber | Aerosol Delivery to a Microfluidic Human Breathing Lung-on-a Chip for Inhalation Toxicity |

Daniel Leslie was the winner of the MB Research Award for Distinction in Practical In Vitro and Alternative Toxicology Methods. The award was presented by George DeGeorge, Ph.D., Director and Chief Scientific Officer at MB Research Labs.

C. Executive Committee Meetings:

Two teleconference meetings of the Executive Committee were held on September 19, 2011 and January 9, 2012 to discuss preparations for the annual business meeting/luncheon, the newsletter, nominations, membership, finances and programs. The Executive Committee met in person on

Monday March 12, 2012 with Sue Ford, Vincent Murphy, Suzanne Fitzpatrick, Kylee Eblin, Sridhar Jaligama, Diane Hardej, Lisa Hoffman and new incoming officers Hans Raabe (VP elect) and Sanket Gadhia (new Vice Student Rep) in attendance. Officers, Sharon Meyer, Prajakta Palkar and Jessica Ryman were unable to attend. A membership report and overview of the business meeting agenda was given by the President, a membership and financial report by the Secretary/treasurer and announcement of new officers by the Nominating Committee Chair (Councilor), Kylee Eblin. The President reminded the officers of the various IVAM endorsed and sponsored events that were occurring at the meeting. He urged the officers to attend as many of these as possible and to visit the posters of the students and post docs that had won the IVAM and MB awards.

D. New Officers for 2012-2013:

Hans Raabe (VP elect), **Teresa Liberati** (Councilor), **Katie Paul** (Post Doc Rep), **Sanket Gadhia** (Vice Student Rep) and **Diane Hardej** (re-elected as Secretary/Treasurer)

E. Other Activities:

The Executive Committee provided comments to the NICHD Scientific Vision Paper on the Environment in June 2011 to SOT

The Executive Committee provided names (Frank Gerberick, Kyle Kolaja, Thomas Hartung, Melvin Anderson and Horst Spielmann) in Oct 2011 for future speakers at the Colgate Palmolive In Vitro Luncheon to the SOT Education Committee

The IVAM SS ByLaws were revised to match requested SOT revisions in October 2011 and approved by vote of the membership in December 2011. A Policy Manual was drafted at that time to address specifics no longer mentioned in the ByLaws and is currently under review by the Executive Committee.

III. Financial Report:

Balance as of May 2011: \$14,322

Revenue from Registration: \$2,594

Dues: \$3885 (estimated - not yet available)

Interest: \$621 (estimated)

Non-dues revenue: NA

Expenses: \$8343 (includes reception, plaques, awards, luncheon gifts)

Balance as of 7/09/2012: \$8574 (listed on May 2012 financials+ dues/interest= \$13,080)

IV. Future Plans

- **Sue Ford** was chosen as the IVAM representative for the Endowment Fund focus group. She asked the EC to consider priorities for use of the funds (travel awards,

achievement awards, etc.) to bring suggestions back to the Endowment Committee and recommendation of corporate groups that might be approached for support.

- **Diane Hardej** was chosen as the Mid-Atlantic RC liaison to the Regional Chapter Communication and Collaboration Committee for K-12 Education. She asked the IVAM EC to consider activities to involve the Specialty Section in educational activities to be discussed in the future.
- Discussion by EC of use of IVAM funds for activities that would support *in vitro* and alternative methods, to be presented to the membership for approval.
- Offered sponsorship/endorsement of workshop, symposia and CE courses for the 2013 SOT annual meeting. IVAM inclusion on SOT-compiled applicant list follows:

| Control ID# | Title | Primary Present'n Type | Principal |
|-------------------------|-------------------------------------------------------------------------------------|------------------------|-------------|
| IVAM SPONSORSHIP | | | |
| 1400739 | Applied Risk Assessment Utilizing Case Studies to Demonstrate Animal Alternatives | CE Advanced | Galli |
| 1400772 | The International Cooperation on Alternatives Test methods | Information session | Stokes |
| 1401592 | Integrated in Vitro Cellular Test Batteries and Organs on a Chip | Roundtable | Fitzpatrick |
| 1395192 | Mapping the Human Genome by Systems Biology | Symposium | Boekelheide |
| 1397505 | Systems biology to link toxicological effects and mechanisms across multiple scales | Symposium | Perkins |
| 139992 | Real-Time Cell Analysis in the development of Cytotoxicity Based Upon... | Symposium | Kinniburgh |
| 880973 | New Considerations in carcinogenicity hazard evaluation versus risk assessment | Symposium | Singh |

| Control ID# | Title | Primary Present'n Type |
|--------------------|-----------------------------------------------------------------|------------------------|
| ENDORSEMENT | | |
| 1400428 | Changing the paradigm for a better selection of drug candidates | CE Advanced |
| 1401533 | Detection of free radicals for toxicologists | CE Basic |

| | | |
|---------|---------------------------------------------------------------------------------------------------------------------------------|------------|
| 1400753 | A Practical Guide for Evidenced Based Toxicology | CE Basic |
| 1401213 | Skin Sensitization: A paradigm for the Challenges Facing in vitro toxicology | Roundtable |
| 1397889 | Adverse Outcome Pathways in Predictive Toxicology | Symposium |
| 1399417 | Omics approaches to study modes of action of toxic mixtures | Symposium |
| 1400409 | Modeling Human Genetic variability and Susceptibility in the Lab | Symposium |
| 1401163 | Mechanistic predication of drug-induced liver injury by integrating system modeling with targeted in vitro assays | Symposium |
| 1401390 | The importance of transporters in drug evaluation and development | Symposium |
| 1385741 | Incorporation of exposure data and chemical properties into early in vitro screening studies... | Workshop |
| 1401179 | REACH and Dermal Safety | Workshop |
| 1401282 | Regulatory Based Nanotechnology:Evolving National Strategies and Research to Address Engineered Nanomaterial Health Assessments | Workshop |
| 1401319 | Recent Advances in Human In Vitro Immunotoxicity Testing | Workshop |
| 1401578 | Can in vitro reproductive/developmental toxicity screens be used to make regulatory decisions for pregnancy labeling? | Workshop |
| 1400680 | Establishing Criteria for Determining Causality Inference in Toxicological Evidence | Workshop |
| 1401199 | Alternative In Vitro Method to Detect and Characterize Immunotoxicants | Workshop |
| 1393217 | Changing pharmaceutical landscape: Benefits of early assessment and mitigation during drug discovery | Workshop |
| 1398725 | Scientific and Regulatory Advances in Genetic Toxicology Safety Assessment | Workshop |
| 1400769 | Establishing Criteria for Choosing Studies to Inform Weight of the Evidence Safety Evaluation Policy | Workshop |
| 1401591 | Cytokine Release Assays: Current state of science and future decisions | workshop |
| 1401642 | Emerging Perspectives | Symposium |

Submitted date 7/26/12

Diane Hardej, Secretary/Treasurer