

# Society of Toxicology

## Southern California Chapter

July, 2009

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### President's Message

(Submitted by Michelle Horner)

The Southern California Chapter of the Society of Toxicology (SCCSOT) has had another wonderful year. SCCSOT remains a dues free regional chapter and has successfully maintained this status since 2000. The chapter represents a diverse membership from academia, biotechnology, the pharmaceutical industry, and regulatory bodies, among others, to promote and support the discipline of toxicology in Southern California.

I would like to welcome three new members to the SCCSOT council: Tom Zanardi as Secretary, David Castro as Post Doctoral Rep, and Parrisa Solaimani as Student Rep. In addition, Tony Ndifor is our new Vice-President Elect. Their commitment to the chapter is greatly appreciated and I look forward to having them join our council. I also want to thank the rest of the council members for all of their efforts in supporting the chapter's goals and mission over the year(s). Special thanks are extended to our Past-President, Husam Younis, for his efforts ensuring our chapter traditions of local contribution and student involvement live on. His dedication contributed to the chapter's success.

### **2008 Annual SCCSOT Meeting**

The 2008 SCCSOT Annual Meeting was held October 2nd, 2008, at the UCSD Faculty Club in San Diego, CA. The meeting's theme was *Cardiotoxicity: A Mounting Concern for Novel Therapeutics*. We had a very strong turnout with more than 100 participants attending including pharmaceutical company and CRO sponsorship. This is a testament to the quality of the scientific meeting.

Awards were presented for outstanding student oral and poster presentations at the meeting. There were 3 student oral presentations and 10 student posters with participants representing UCLA, San Diego State, Isis Pharmaceuticals, and UC Irvine.

**First Place Oral (\$500): Kim Henderson, UCLA.** Boric acid as a novel storage calcium release antagonist and endoplasmic reticulum modulator in DU-145 prostate cancer cells.

**Second Place Oral (\$250): Sudheer Beedanagari, UCLA.** Molecular mechanisms involved in TCDD-induced differential regulation of the human CYP1A1 and CYP1B1 genes.

**Third Place Oral (\$100): James Hui, UCLA.** Cadmium-induced alteration of transcriptomic profiling in rat primary hepatocytes.

**First Place Poster (\$500): Aya Westbrook, UCLA.** ATM deficient mice demonstrate an exacerbated response to DSS-induced intestinal inflammation characterized by elevated DNA damage and a chronically activated immune response.

**Second Place Poster (\$250): Yvonne Hoang, UCI.** Estradiol is involved in the upregulation by FSH of glutathione synthesis in the ovary.

**Third Place Poster (\$100): Peter Bui, UCLA.** NNC55-0396, a potentially safe therapeutic T-type Ca<sup>2+</sup> channel-specific antagonist, does not strongly inhibit CYP3A4.

### **2009 Annual SOT Meeting Highlights**

A joint reception between SCCSOT and the Mountain West Chapter was held on March 16, 2009 during the Annual SOT meeting in Baltimore, MD. It was held at Phillips Seafood Restaurant in the Inner Harbor area. The reception was well attended and members of both chapters in attendance had a great opportunity to get to know each other. We look forward to future joint functions with other regional chapters.

### **2009 Greater San Diego Science Fair**

SCCSOT coordinated judging by local toxicologists at this annual event as part of the K-12 SOT Outreach Program. A special

thanks to Diana Johnson (K-12 Liason), Annette John-Baptiste, Julie Grafke, and Husam Younis for serving as judges at this event. The quality of the science by these local high school students was very impressive. SCCSOT awarded a \$100 prize to Renae Cruz (The Impact of Reclaimed Laundry Water on Cherry Belle Radishes) and \$50 prizes to Jorge Hernandez (Effects of *Eisenia foetida* in used oil contaminated soil) and Christopher Cabading (The Effect of Bisphenol-A on *Hydra oligactis*).

## **Upcoming Events**

### **2009 Annual SCCSOT Meeting**

The SCCSOT is organizing a very exciting annual meeting for the fall on October 1, 2009, at Allergan in Irvine, CA. The title of the meeting is *Safety Biomarkers: Recent Progress and Current Initiatives*. Please see the attached preliminary meeting agenda. In addition to the poster presentations, we will once again include student/Post-Doc oral presentations at the 2009 annual meeting. The SCCSOT council is looking forward to seeing you there.

## SCCSOT Annual Meeting

### **Safety Biomarkers: Recent Progress and Current Initiatives**

October 1, 2009  
Allergan, Inc.  
2525 Dupont Drive  
Irvine, CA 92612

Time	Activity	Speaker
8-9	Registration/Breakfast	
9-9:15	Introduction & Welcome	Michelle Horner, President SCCSOT
9:15-11:55	Session 1: Organ-specific Biomarkers	
9:15-9:55	Acute Kidney Injury Network (AKIN): Advancing clinical Applications of promising renal biomarkers	Ravindra Mehta, UCSD
9:55-10:35	Liver Biomarkers	Jeff Lawrence, Amgen
10:35-11:15	Cardiac Biomarkers	TBD
11:15-11:55	Use of biomarkers to assess toxicity to the immune system	Christina Satterwhite, Charles River Labs
12-1:30	Lunch	
1:30-3:45	Session 2: Biomarker Methods/Initiatives	
1:30-2:10	Metabolomics: A Novel Tool for Understanding the Early-Stage Mechanistic Underpinnings of Drug Action and Safety	Kurt Boudonck, Metabolon
2:10-2:50	Overcoming the Problems of Species: Specific Proteins and Peptides in Assay Development	Jennifer Colangelo, Pfizer
2:50-3:30	TBD	TBD
3:30-3:45	Break	
3:45-4:30	Session 3: Student/Post Doc presentation	
3:45-4:00	Student/Post Doc presentation	TBD
4:00-4:15	Student/Post Doc presentation	TBD
4:15-4:30	Student/Post Doc presentation	TBD
4:30-6:00	Reception/poster session	
6:00	Student/Post Doc presentation and poster award announcements	Husam Younis, SCCSOT Past- President