

# 27<sup>th</sup> Annual Regional Chapter Meeting of the Mountain West Society of Toxicology

Venue: Hyatt Tamaya, Santa Anna Pueblo  
(<http://tamaya.hyatt.com/hyatt/hotels/index.jsp>)

Thursday and Friday, Sept. 24-25<sup>th</sup> 2009

**Thursday Sept 24<sup>th</sup>.**

**7:30-8:00 AM Housekeeping and Introduction**

Matthew D. Reed, PhD, DABT and Philip Moos, PhD (MWSOT VP and President)

*Plenary Topic: “Toxicology in the Development of Countermeasures for Radiation, Chemical and Biological Threat Agents”*

**8:00-9:00 AM Keynote Presentation**

*“The Life Cycle of a Botulinum Toxin Molecule”*

Lance L. Simpson, PhD

Professor Infectious Disease and Environmental Medicine

Thomas Jefferson Medical School, Philadelphia, PA

**9:00-12:00 AM Plenary**

**9:00- 9:30 AM**

*“Ricin Toxicity and Pharmacokinetics Following Inhalation and Ingestion”*

Janet M. Benson, PhD, DABT

Senior Scientist, Program Manager, Applied Toxicology

Lovelace Respiratory Research Institute

Albuquerque, NM

**9:30-10:00 AM**

*“Scientific Basis for Developing Approaches to Decorporating Internally Deposited Radionuclides”*

Raymond A. Guilmette, PhD, FHPS, CRadP

Senior Scientist, Director, Center for Countermeasures Against Radiation

Lovelace Respiratory Research Institute

Albuquerque, NM

**10:00-10:30 AM Coffee Break**

**10:30-11:00 AM**

*“Acute and Chronic Effects of Sulfur Mustard”*

Gary R. Grotendorst, PhD

Senior Scientist, Respiratory Immunology and Asthma Program, Director CounterACT Research

Center of Excellence

Lovelace Respiratory Research Institute

Albuquerque, NM

**11:00-11:30 AM**

*“Neuroimmune Effects of Sarin Inhalation”*

Mojan L. Sopori, PhD

Senior Scientist, Respiratory Immunology and Asthma Program

Lovelace Respiratory Research Institute

Albuquerque, NM

**11:30-12:30 PM Lunch Break**

**12:30-1:30 PM Student Presentations**

Based on abstract receipt and those interested in student presentations. Assume four trainees at 15 min per talk.

**1:30-6:00 PM Break and Free Time**

**6:00-7:30 PM Poster Session and Career Breakout Reception**

Posters will be displayed throughout the day but attended from 6:00-7:00 P:M. MWSOT officers and selected members will judge trainee posters.

Career centers will be manned by our industry/ non-academic representatives to give students and trainees an opportunity to ask questions about potential industry/ alternative careers in toxicology.

**8:00-9:00 PM Banquet Buffet**

Tables will be set aside for industry, academic, and SOT leaders to interact with trainees so that there is further opportunity for trainees and members to ask further questions about career opportunities in the field of toxicology. The registration form will have a set-aside line for those interested in interacting with a specific speaker or primary SOT member to facilitate interactions.

**Day 2, Friday Sept 25<sup>th</sup>**

**7:30-7:35 AM Housekeeping**

Matthew D. Reed, PhD, DABT and Philip Moos, PhD (MWSOT VP and President)

***Topic II: Industry and Career Perspectives***

**7:35- 8:15 AM**

*“The Importance of Discovery Work During the Drug Development Process”*

Michael A. Dorato, Ph.D., D.A.B.T.

Vice President, Scientific and Technical Services

Covance Laboratories Inc. **\*Diamond Sponsor Discussion**

**8:15- 8:45 AM**

*“Contract Research Organizations in the 21<sup>st</sup> Century: The Integration of Business and Science”*

Kevin J. Kerzee, PhD, DABT

Manager, Operations

Bioproducts for Science

Harlan Laboratories, Inc.

Research Models and Services

Indianapolis, IN

**8:45 - 9:15 AM**

***\*Sponsor***

*“High Throughput Stem Cell Hemotoxicity Screening and Testing”\**

Ivan N. Rich, PhD

Founder, Chairman & CEO

HemoGenix, Inc

Colorado Springs, CO

***Topic III: Systems Biology and Special Topics***

**9:15 - 9:45 AM**

(Pharmaceutical Highlight)

*“Application of Toxicogenomics and Pathway Analysis: Evaluation of Non-Alcoholic Fatty Liver Disease Models for Investigating Drug-Induced Liver Injury.”*

John W. Davis II, PhD

Director, Investigative Toxicology

PGRD

Pfizer, St. Louis

## **Day 2 continued**

### **9:45- 10:15 AM**

*“Transcription Profiling of Nanometals Commonly Used in Consumer Products”*

Philip Moos, PhD

Assistant Professor

Department of Pharmacology and Toxicology

University of Utah

### **10:15-10:45 AM Coffee Break**

### **10:45 - 11:15 AM**

*“Novel Mechanisms of Viral Pathogenesis Using a System-wide Approach”*

Kevin Harrod, PhD

Director, Infectious Disease Research Program

Lovelace Respiratory Research Institute

Albuquerque, NM

### **11:15 - 11:45 AM**

*“Correlation of the Physicochemical Characteristics of Engineered Nanomaterials to Cellular and Tissue-level Responses”*

Rashi Iyer, PhD

Technical Staff Member

B-7, Biosecurity and Public Health

Los Alamos National Labs

Los Alamos, NM

### **11:45-12:45 PM Student Presentations**

Based on abstract receipt and those interested in student presentations. Assume four trainees at 15 min per talk.

### **1:15 PM Student Awards and Concluding Remarks**