



Meeting Agenda

Loews Ventana Canyon Resort

7000 N Resort Dr,
Tucson, Arizona 85750
520-299-2020

Wednesday, September 3th, 2014

6:00 – 9:00 p.m. *Registration open*
7:00 – 9:00 p.m. Pre-meeting reception (Open Bar) – (Cascade Terrace)

Thursday, September 4th, 2014 (Catalina Ball Room)

7:30 – 12:00 p.m. *Pick-up registration materials and Poster setup*
7:00 – 8:00 a.m. Continental breakfast (Catalina Foyer)

8:00 – 8:10 a.m. Welcome – Dr. Terrence Monks, Associate Dean for Research –
University of Arizona, College of Pharmacy

8:10 – 8:20 a.m. Meeting introduction – MWSOT President Todd Thompson
& Vice-President Yin Chen

8:20 – 8:50 a.m. **Opening Lecture**
Fernando Martinez, M.D. – Director of Bio5 institute and Arizona
Respiratory Center
“Genes, the Environment, the Microbiome and their Interactions”

9:00 – 4:00 p.m. **Plenary Topic I – Microbiome (the new frontier)**

9:00 – 9:50 a.m. **Society of Toxicology Lecture**

Andrew Gewirtz, Ph.D.- Georgia State University.
“Gut Microbiome, Low-grade Inflammation, and metabolic syndrome”

- 9:50 – 10:15 a.m. Joyce Wu, Ph.D. – University of Arizona Department of Immunology
“Gut microbiome Drives Systemic Autoimmunity”
- 10:15 – 10:30 a.m. Break (Catalina Foyer)
- 10:30 – 11:20 a.m. **Bio5 Visiting Scholar Lecture**
Homer Twigg, M.D. – Indiana University
“Population differences in the lung microbiome”
- 11:20 – 11:45 p.m. Donanta Vercilli, M.D. – University of Arizona, Department of Cellular
and Molecular Medicine
“When the environment protects from asthma - in humans and mice”
- 11:45 – 12:10 p.m. Wai-ming Lee, Ph.D. – Biological Mimetics Inc.
“High-throughput multiplex PCR assay for human respiratory Virome
analysis”
- 12:10 – 1:30 p.m. Lunch (Flying V)
- 1:30 – 2:00 p.m. Kevin Harrod Ph.D.– Lovelace Respiratory Research Institute
“Human environmental exposure and respiratory microbiome”
- 2:00 – 2:25 p.m. Peter Di, Ph.D. – University of Pittsburg, Department of Environmental
Sciences
“Effects of cigarette smoke on mucociliary clearance, lung microbiome,
and respiratory infection”
- 2:25 – 2:50 p.m. Magdalene So, Ph.D.– University of Arizona, Department of Immunology
“Microbial Commensalism”
- 2:50 – 3:15 p.m. Julie Neilson, Ph.D.– University of Arizona, Department of Soil, Water
and Environmental Sciences
“Dissecting a microbial community: metagenomic analysis of microbial
communities inhabiting cave formations in Kartchner Caverns, AZ”
- 3:15 – 3:40 p.m. Jin Zhou, Ph.D.– University of Arizona, College of Public Health,
“Data modeling of high-throughput analyses”
- 4:00 – 6:00 p.m. **Poster session / Mix** – (Catalina Foyer)

Friday, September 5th, 2014 (Catalina Ball Room)

7:00 – 8:00 a.m. Continental breakfast

- 8:00 – 12:30 a.m. ***Plenary Topic II – Gene-Environment Interaction***
- 8:00 – 8:50 a.m. **SWEHSC Visiting Scholar Lecture**
Xianglin Shi, Ph.D. University of Kentucky
“Oxidative stress and Cr(VI) carcinogenesis”
- 8:50 – 9:15 a.m. Ken Ramos, M.D, Ph.D. University of Arizona, College of Medicine
“Reactivation of LINE-1 retroelements by environmental injury”
- 9:15 – 9:40 a.m. Todd Thompson, Ph.D. University of New Mexico, College of Medicine
“Gene Expression Alterations by Quinone Activation of the Aryl Hydrocarbon Receptor”
- 9:40 – 10:05 a.m. Jun Gao, Ph.D. - Los Alamos National Labs
“Microfluidics in Toxicology”
- 10:05 – 10:20 a.m. Break (Catalina Foyer)
- 10:20 – 11:20 a.m. Postdoc/Student Talk (TBD)
- 11:20 – 11:50 p.m. Break and Award’s Committee Meeting
- 11:50 – 12:30 p.m. Award Presentations and Closing