

Program and Meeting Schedule (Holiday Inn Express Hotel and Suites)

Wednesday, September 7th:

6:00 to 7:00 pm Submit platform presentations to AV specialist Gary Miller
(River View Room)

Thursday, September 8th:

7:00 to 8:25 am Poster set up (River View Room Perimeter)
7:00 to 8:25 am Meeting registration (Foyer)
7:00 to 8:30 am Breakfast (Bridge View Room)

I. Invited Speaker Session (River View Room)

Introduction: Rosita Rodriguez Proteau, President, PANWAT

8:40 to 9:20 am **David B. Carlson**, Food & Drug Administration, College
Park, MD
“Nutra What? Food, drugs, dietary supplements or
something in between?”

9:20 to 10:00 am **Cynthia A. Wenner**, Bastyr University, Seattle, WA
“Challenges in pre-clinical evaluation of a complex
formulation from *Trametes versicolor*”

10:00 to 10:30 am Break (Foyer & River View Room)

II. Invited Speaker Session (River View Room)

Introduction: David Shepherd, Councilor, PANWAT

10:30 to 11:10 am **Dave N. Muanza**, Biotics Research Corporation,
Rosenberg, TX
“Food regulatory challenges involving quality, safety, and
efficacy of dietary supplements: The industry perspective”

11:10 to 11:50 am **Bruce Kelman**, Veritox, Redmond, WA
“Ephedra: A case study in natural products regulation”

12:00 to 1:00 pm Lunch (River View Room)

Thursday, September 8th:

III. Student and Post-Doc Speaker Session (River View Room)

Introduction: Andrij Holian, Vice-President, PANWAT

- 1:30 to 1:55 pm **Anne R. Greenlee**, Oregon Health and Sciences University, La Grande, OR
“Comparison of Matrigel™ and gelatin substrata for feeder-free culture of undifferentiated mouse embryonic stem cells for toxicity testing”
- 1:55 to 2:20 pm **Ava Rhule**, University of Montana
“An assessment of immunomodulatory effects of Notoginseng in murine bone marrow derived dendritic cells”
- 2:20 to 2:45 pm **Haley Neff-LaFord**, Washington State University
“Exploring mechanism that underlie aryl hydrocarbon receptor (AhR)-mediated increases in IFN γ and iNOS levels in the lungs of mice infected with influenza A virus”
- 2:45 to 3:10 pm **Fred Tilton**, Oregon State University
“Linking developmental biology and community health: Unraveling the mechanism of dithiocarbamate developmental toxicity”
- 3:10 to 3:30 pm Break (Foyer & River View Room)

IV. Student and Post-Doc Speaker Session (River View Room)

Introduction: Cecile Krejsa, Secretary/Treasurer, PANWAT

- 3:30 to 3:55 pm **Daniel D. Tshala-Katumbay**, Oregon Health & Science University
“Safety assessment of chromogenic aromatic compounds, including the former food additive AETT”
- 3:55 to 4:20 pm **Susan C. Tilton**, Oregon State University
“Mechanism of aflatoxin B1 (AFB1)-induced hepatic tumor promotion by the dietary phytochemical 3,3'-diindolylmethane (DIM): A toxicogenomic approach”
- 4:20 to 4:45 pm **J. Jean Brown**, Oregon State University
“Effects of epigallocatechin gallate, epicatechin gallate, and their derivatives on multidrug resistance-mediated transport in Caco-2 and MDCKII-MDR1 drug transport models”

5:00 to 7:00 pm **Reception and Poster Session** (River View Room, perimeter)

Friday, September 9th:

7:00 to 8:55 am Breakfast (Bridge View Room)

V. Student and Post-Doc Speaker Session (River View Room)

Introduction: Bruce Kelman, Vice President Elect, PANWAT

9:00 to 9:25 am **Leslie A. Dyal**, Oregon State University
“Molecular engines: A new platform for cancer diagnosis and treatment”

9:25 to 9:50 am **Sabrina Peterson**, University of Washington
“The apiaceous vegetable constituents psoralen, 5-methoxypsoralen, 8-methoxypsoralen, and apigenin inhibit CYP1A2-mediated aflatoxin mutagenicity”

9:50 to 10:15 am Break (Foyer & River View Room)

10:15 to 10:40 am **Ying Fan**, Oregon State University
“Effects of ketoconazole, xanthohumol, and epigallocatechin gallate on multidrug resistant-mediated transport in Caco-2 and MDCKII-MDR1 drug transport models”

10:40 to 11:05 am **Castle J. Funatake**, Oregon State University
“Exposure to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) leads to the generation of CD4⁺ T cells with regulatory T cell (T_{reg}) characteristics”

11:15 am Lunch (River View Room)

11:45 am **Graduate Student and Post-Doctorate Award Presentations**
Platform Presentations (\$200 first place, \$100 second place)
Poster Presentations (\$150 first place, \$75 second place)

12:15 pm PANWAT Officers meeting (Bridge View Room)

POSTER PRESENTATIONS

A model system to assess the role of modulated glutamate-cysteine ligase in toxicant induced oxidative stress. D. Botta, L. McConnachie, C. Fernandez, P. A. Vliet and T. J. Kavanagh Department of Environmental and Occupational Health Sciences, University of Washington. Seattle, WA.

Ultraviolet Radiation-Induced Non-Melanoma Skin Cancer in the Skh: Hr Hairless Mouse: Augmentation of Tumor Multiplicity by Chlorophyllin and Protection by Indole-3-Carbinol. R.B. Cope¹, B. Stang¹, C. Loehr¹, N.I. Kerkvliet²
¹College of Veterinary Medicine, Oregon State University, ²Department of Environmental and Molecular Toxicology, Oregon State University, Corvallis, OR.

Assessment of Developmental Toxicity Hazards from Workplace Chemical Exposures
C.J. Fields and T.A. Lewandowski
Gradient Corporation, Seattle, WA

Effect of acetaminophen on cytosolic and mitochondrial glutathione in the livers of Wild-Type and GCLM-Null mice. Isaac Mohar, Lisa McConnachie, Carolina Fernandez, and Terrance Kavanagh. Department of Environmental and Occupational Health Sciences, University of Washington. Seattle, WA.

Characterization of anemia in *Apc*^{min} mice and its inhibition by white tea
G.A. Orner, V. Elias, K. Löhr, K. Fischer, S. Tornquist, and R. Dashwood; Oregon State Univ, Corvallis, OR

Methylazoxymethanol (MAM) targets distinct protein networks in the neonatal brain.
T. Park^{1*}; M. Standley²; A. Olivas¹, G.E. Kisby¹; X. Lu²; S.R. Nagalla². 1. CROET, Oregon Health Sci. University and 2. Department of Pediatrics, Oregon Health & Sci Univ., Portland, OR.

Brevetoxin induces developmental abnormalities in zebrafish.
Crystal Y. Tucker^{1,2}, Jane K. LaDu^{1,2}, Tom Murray^{2,3} and Robert L. Tanguay^{1,2}
¹Department of Environmental and Molecular Toxicology, Environmental Health Sciences Center, Oregon State University, Corvallis, OR, ²Marine Freshwater Biomedical Sciences Center at Oregon State University, and ³Department of Physiology and Pharmacology, University of Georgia, Athens, GA.

Characterization of methyl *p*-tolyl sulfide oxidation by mouse FMO1, 2, and 3: Determination of enzyme co-expression.
JE VanDyke, SK Krueger, LK Siddens, MC Henderson, DJ Castro, and DE Williams.
Environmental and Molecular Toxicology, Oregon State University, Corvallis, OR.

AhR activation protects mice from lethal challenge with *Streptococcus pneumoniae*, but the improved survival does not result from an enhanced inflammatory response.
Beth A. Vorderstrasse and B. Paige Lawrence
Department of Pharmaceutical Sciences, Washington State University, Pullman, WA.