THE ART AND SCIENCE OF RESEARCH TRANSLATION IN TOXICOLOGY

PANWAT Regional Chapter Meeting

North Bonneville, Washington

October 6-8, 2011
PANWAT greatly appreciates the generous support of our sponsors for the 2012 meeting:

**Mt. Hood (Platinum): $3000+**

**Columbia Gorge (Gold): $2000-$2999**

**Lewis & Clark (Silver): $1,000-1,999**

**Chinook (Bronze): $999 or below**

**Dr. Peter Korytko,**
**Preclinical Safety Testing**
THE ART AND SCIENCE OF RESEARCH TRANSLATION IN TOXICOLOGY

Given the importance of toxicological research in society, it is critical that scientists effectively translate research findings to diverse audiences to inform public health actions and science-based policies. Examples of translation include communicating with broad audiences, using new information or approaches to assess and manage risk, transferring tools and technology to stakeholders and assisting officials and communities. An emphasis on regional approaches to translating toxicological research will be highlighted at this year’s annual meeting.

Detailed Program and Meeting Schedule

**Thursday, October 6th**

4:00–8:00 PM **REGISTRATION**

6:00–8:00  **Science communication workshop**  
Sponsored by Pacific Northwest National Laboratories  
Wendy Hessler, Environmental Health News

6:00-8:00  **Particles on the Wall art exhibit**  
Dr. Steven Gilbert, Institute of Neurotoxicology and Neurological Disorders

**Friday, October 7th**

7:30-8:55 AM  **REGISTRATION & BREAKFAST**

8:55--9:10  **Welcome remarks and conference overview from PANWAT President**  
*Dr. Stacey Harper, Oregon State University*

**SYMPOSIUM I: RESEARCH TRANSLATION IN TOXICOLOGY**

9:10-9:50  **Keynote Speaker: Three decades of adventures in research translation**  
*Dr. Clement Furlong, University of Washington*
9:50-10:20  Acute embryonic zebrafish exposure to gold nanoparticles results in persistent adult behavioral deficits
Lisa Truong, Oregon State University

10:20-10:40  BREAK

10:40-11:00  Glutathione (GSH) and the GSH synthesis gene GCLM modulate vascular reactivity and diesel exhaust-induced perturbations in mice
Chad Weldy, University of Washington

11:00-11:20  TCDD treatment suppresses vitamin A storage in LX-2 human hepatic stellate cells
Wendy Harvey, Boise State University

11:20-11:40  Identification of human biomarkers for OP exposure
Dr. Judit Marsillach, University of Washington

11:40-1:30  Fish contaminants and risk communication
Box Lunch and Eagle Creek Tour
Dr. Dave Stone, Oregon State University

SYMPOSIUM II: COMMUNITY ENGAGEMENT IN TOXICOLOGY

1:30-2:15  Keynote Speaker: Pharmacogenetic Research Partnerships with American Indian Communities
Dr. Erica Woodahl, University of Montana

2:15-2:40  Walking in two worlds: Effective and sustainable tribal-university partnerships in toxicology and environmental health research
Sandra Uesugi, Oregon State University

2:40  K-12 Regional Outreach
Dr. Julie Hill, Dendreon and Dr. Wesley Smith, University of Washington

3:00-3:20  BREAK

3:20-3:40  Adventures in community engagement: A toxicologist’s journey from the bench
Dr. Wesley Smith, University of Washington

3:40-4:10  The challenges of communicating what we know
Dr. Steve Gilbert, Institute of Neurotoxicology and Neurological Disorders

4:10-5:30  BREAK/POSTER SET-UP

5:30-7:00  RECEPTION AND POSTER PRESENTATION
SPONSORED BY SOT AND AMGEN

Special exhibit: Sharing Toxicology with Non-Scientists: Tools and Tips
Dr. Reitha Weeks, NW Association for Biomedical Research
Saturday, October 8th

**SYMPOSIUM III: INTERDISCIPLINARY APPROACHES TO TOXICOLOGY**

7:30-8:30 AM  BREAKFAST

8:30-9:30  *Keynote Speaker: Empowered antibodies for cancer therapy*
*Dr. Peter Senter, Seattle Genetics*

9:30-9:50  *Investigating diverse mechanisms of polycyclic aromatic hydrocarbon toxicity with an AHR2 mutant zebrafish*
*Britton Goodale, Oregon State University*

9:50-10:10  BREAK

10:10-11:00  **PANWAT TOXICOLOGY ACHIEVEMENT AWARD RECIPIENT PRESENTATION**
*Integrating Immunology and Toxicology Research: The Trials and Joys of a Career in Immunotoxicology*
*Dr. Nancy Kerkvliet, Oregon State University*

11:00-11:40  Science Communication Lessons and Take Home Messages
*Wendy Hessler, Environmental Health News*

11:40-12:00  Wrap-up: PANWAT and Student Poster Awards

12:00  ADJOURN