



2015 Regional Chapter Meeting

Thursday September 17, 2015

Hilton Garden Inn

22600 Bothell Everett Hwy, Bothell, WA 98201

Friday September 18, 2015

Brightwater Center

22505 State Route 9 SE Woodinville, WA 98072



NEW/ALTERNATE SPECIES IN TOXICOLOGY RESEARCH

The ultimate goal of all toxicology research is to prevent or predict outcome in humans; however, it is the various research species in which initial data is collected and many investigations are conducted. Significant advances have been made in several areas of research and this has placed new demands on standard species and introduced alternative species and alternative ways of utilizing standard species. To provide a forum for continuing education and discussion the Pacific Northwest Regional Chapter of the Society of Toxicology will convene at the 2015 Annual PANWAT meeting and share recent advances in new and alternate species in toxicology research.

Thursday, September 17th

Hilton Garden Inn, Bothell, WA

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| 6:00 - 6:30 PM | Open Registration |
| 6:30 - 9:00 PM | Welcome/Networking/Reception |

Friday, September 18th

Brightwater Center, Woodinville, WA

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|-----------------|---|
| 8:30 - 9:30 AM | Registration/Poster set up |
| 9:30 - 9:40 AM | Welcome Remarks, Conference Overview
Russell Eyre and Mike Templin |
| 9:40 - 9:45 AM | Presentation of 2015 PANWAT Toxicology Achievement Award
Russell Eyre |
| 9:45 - 10:00 AM | PANWAT Business Meeting
Russell Eyre |

Guest Presentation

10:00 - 10:45 AM **From Patient, to Mouse, and Back Again? Developing a Preclinical Immuno Oncology Platform**
Lewis R. Vann, Ph.D.; Sr. Business Development Manager for The Jackson Laboratory's in vivo services and humanized mouse portfolio

10:45 - 11:00 AM Coffee Break, Networking, Poster Viewing

Platform Presentations

11:00 - 11:20 AM **Neonatal Activation of the Xenobiotic-sensor PXR Results in Permanent Down-regulation of the Lipid-sensor PPAR α -target genes Cyp4a in Adult Mouse Liver**
Cindy Yanfei Li, Department of Environmental and Occupational Health Sciences, University of Washington

11:20 - 11:40 AM **Developmental Exposure to Polycyclic Aromatic Hydrocarbons (PAHs) Affect Learning and Behavior in Adult Zebrafish**
Andrea Knecht, Department of Environmental and Molecular Toxicology, and the Oregon State University Superfund Research Center, Oregon State University, Corvallis, OR

11:40 - 12:00 PM **Adult hippocampal neurogenesis and cognitive behavior are impaired in Apolipoprotein E4 knock-in animals following chronic, adult-only lead exposure**
Anna Engstrom, Toxicology Program, Department of Environmental and Occupational Health Sciences, University of Washington, Seattle, WA

12:00 - 12:30 PM Lunch

Poster Presentations

12:30 - 1:30 PM **Posters Attendance/Viewing**

Platform Presentations

1:30 - 1:50 PM **Human Neuroprogenitor Cells (hNPCs): An In Vitro Model for Exploring Toxin-Induced Effects on Brain Development**
Michael Czulinski, Department of Basic Medical Sciences, Western University of Health Sciences, College of Osteopathic Medicine of the Pacific Northwest, Lebanon, OR

1:50 - 2:10 PM **Ex vivo induction of polymyxin-induced nephrotoxicity in a 3D microphysiological model of a human kidney proximal tubule.**
Elijah J Weber, Departments of Pharmaceutics, University of Washington, Seattle, WA

Guest Presentations

2:10 - 2:55 PM **Emergence of the Miniature Swine as Model in Experimental and Translational Medicine**
Dr. A. Stricker-Krongrad, M.S., Ph.D.; Vice-President of Science; Sinclair Research Center

2:55 - 3:00 PM Coffee/Tea/Snack Break

3:00 - 3:45 PM **Carcinogenicity assessment of new drugs in the 21st century, what's changed?"**
David Jacobson-Kram, PhD, DABT, Former Associate Director for Pharmacology and Toxicology Center for Drug Evaluation and Research U.S. Food and Drug Administration

3:45 - 4:00 PM Awards
Russell Eyre

4:00 PM Meeting Closeout
Russell Eyre

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