



PNW-SETAC Chapter Meeting Program

Thursday, March 27, 2008

- 12:00 PM - 6:00 PM Conference Check-in, Foyer of Alumni Center (after 6:00 PM, check-in at Hilton Garden Inn University Club)
- 1:00 PM - 5:00 PM Short Course: “*The Biotic Ligand Model*,” Conf. room 111, Alumni Center
- 5:00 PM - 9:00 PM On-site Housing Check-in, Cauthorn Hall (5:00-6:00 and 8:00-9:00)
- 6:00 PM - 7:00 PM PNW-SETAC Board Meeting, Hilton Garden Inn University Club
- 6:00 PM - 9:00 PM Welcome Reception, Heavy Appetizers & Libations, Hilton Garden Inn University Club

Friday, March 28, 2008

- 7:30 AM - 8:30 AM Conference check-in, poster setup, Foyer of Alumni Center
- 7:30 AM - 8:30 AM Continental Breakfast (all attendants), Conf. Room 110B, Alumni Center
- 8:30 AM - 9:00 AM Welcome address, Conf. Room 110A, Alumni Center
- 9:00 AM - 12:00 PM Platform sessions with 20-30 min break for refreshments and poster viewing
- 12:00 PM - 1:30 PM Buffet Lunch, Conf. Room 110B, Alumni Center
- 1:30 PM - 5:00 PM Platform sessions with 20-30 min break for refreshments and poster viewing
- 5:30 PM - 8:30 PM River Front Experience! Iovino’s Restaurant, Downtown Corvallis (round trip shuttle service from campus)

Saturday, March 29, 2008

- 7:20 AM - 8:20 AM Continental Breakfast (all attendants), Conf. Room 110B, Alumni Center
- 7:20 AM - 8:20 AM PNW-SETAC Business Meeting, Conf. Room 110B, Alumni Center
- 8:20 AM - 12:00 PM Platform sessions with 20-30 min break for refreshments and poster viewing
- 10:10 AM - 10:40 AM Student Award Presentations
- 12:00 PM Adjourn



**PNW-SETAC Annual Meeting
Platform Presentation Schedule
Friday, March 27, 2008**

Friday Morning (March 28, 2008)

Session Chair: Robert Tanguay, Oregon State University

Developmental Toxicology / Zebrafish Model

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| 9:00 | Wendy Hillwalker, Oregon State University | Human Health Assessment Approach Bridges Environmentally Relevant Contaminant Mixtures and Zebrafish Developmental Toxicity Model |
| 9:20 | Lisa Duong, Oregon State University | <i>In Vivo</i> Assessment of Perfluorinated Chemicals (PFC's) Induced Developmental Toxicity using Embryonic Zebrafish |
| 9:40 | Katerine Schletz Saili, Oregon State University | Toxicity Associated with Leflunomide Exposure in Early Life Stage Zebrafish (<i>Danio rerio</i>) |
| 10:00 | Abby Benninghoff, Oregon State University | Multiple Perfluoroalkyl Acids Enhance Aflatoxin B1-Initiated Hepatocarcinogenesis in Rainbow Trout via Possible Estrogen-Like Mechanism of Action |
| 10:20 | Break/Poster Viewing | |

Biomarkers

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| 10:40 | Aurea C. Chiaia, Oregon State University | Determination of Illicit Drugs and Human Biomarkers by Large Volume Direct Injection HPLC/MS/MS: A New Tool for Drug Epidemiology |
| 11:00 | Ashley Schneider, Lewis-Clark State College | Biomarkers of Organophosphate Exposure and Effect in <i>Lumbricus terrestris</i> and <i>Eisenia foetida</i> |
| 11:20 | Patrick Moran, U.S. Geological Survey | Tissue Contaminants and Associated Transcriptional Response in Trout Liver from Remote High Elevation Lakes of Western Washington, USA |
| 11:40 | Christian Grue, University of Washington | Using Tissue Concentrations for Correlating Known Exposures of Imidacloprid with Overt Effects in Juvenile Chinook |
| 12:00 | Lunch | |



**PNW-SETAC Annual Meeting
Platform Presentation Schedule
Friday, March 27, 2008**

Friday Afternoon (March 28, 2008)

Session Chair: Julann Spromberg, NOAA Fisheries

Sediment Contamination and Toxicity

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| 1:30 | Gregory Sower, Oregon State University | Use of Passive Sampling Devices to Evaluate the Effectiveness of Superfund Remediation Projects in an Urban River |
| 1:50 | Sandra Aasen, Washington Department of Ecology | Ecology's Urban Waters Initiative – Assessing Changes in Sediment Quality in Urban Bays |
| 2:10 | Kerri A. Stanley, Oregon State University | Tadpole Exposure to Pesticides in the Mountains of California and Associated Biota-Sediment Accumulation Factors |
| 2:30 | Anthony Paulson, U.S. Geological Survey | Contrasting Aqueous Geochemistries of Elements in Contact with Contaminated Sediments from Lake Roosevelt, Washington |
| 2:50 | Break/Poster Viewing | |

Modeling Approaches

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| 3:20 | Zhenhong Li, Oregon Health & Science University | A Computational Model for Steroid Hormone and Vitellogenin profiles in Unexposed and EE ₂ -Exposed Male FHM |
| 3:40 | Eric Van Genderen, Parametrix | Validation of Nickel Biotic Ligand Model Predictions for Selected Non-Standard Organisms |
| 4:00 | Peter Bryant, Western Washington University | Analysis of the Decline of the Puget Sound Pacific Herring (<i>Clupea pallasii</i>) Stocks |
| 4:20 | Brad Bessinger, Exponent Consulting | Simulation of Tidal Effects on Contaminant Fate and Transport Near the Sediment-Water Interface |
| 4:40 | Poster Social | |



PNW-SETAC Annual Meeting Platform Presentation Schedule

Saturday, March 28, 2008

Saturday Morning (March 29, 2008)

Session Chair: Mary Ann Rempel-Hester, Nautilus Environmental

Aquatic Toxicology

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| 8:20 | Jason Fortner, Western Washington University | Shedding Light on Toxicity Testing: UV Light and PAH-Contaminated Groundwater |
| 8:40 | Katherine Palmquist, Exponent Consulting | Effects of Dietary Esfenvalerate Exposures on Three Aquatic Insect Species Representing Different Functional Feeding Groups |
| 9:00 | John Stark, Washington State University | Population-Level Effects of Adjuvant and Pesticide Mixtures to <i>Ceriodaphnia dubia</i> |

Emerging Issues

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| 9:20 | Jenifer McIntyre, University of Washington | Olfactory-Impairment By Copper Affects Juvenile Salmon Behavior and Survival With Cutthroat Trout Predators |
| 9:40 | Break/Poster Viewing | |
| 10:10 | Student Award Presentations | |

Emerging Issues continued

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| 10:40 | Fred Tilton, University of Washington | Copper Alters the Transcription of Genes Involved in Normal Olfactory Signal Transduction and Di-Valent Ion Homeostasis Within the Olfactory System of Zebrafish |
| 11:00 | Burt Shephard, U.S. Environmental Protection Agency | Copper Effects on Fish Behavior: A Review and Synopsis of Existing Studies |
| 11:20 | Stacey Harper, Oregon State University | Comparative Nanotoxicology – Strategies to Evaluate Nanomaterial-Biological Interactions |
| 11:40 | Michael Paine, Paine Ledge and Associates (PLA) | Diagnosing and Analyzing Triangular Relationships in Environmental Toxicology |
| 12:00 | Wrap Up | |