

PNW SETAC 2024 Annual Conference Troutdale, Oregon Agenda (as of Apr 30, 2024)

Conference Dates: May 13-15, 2024

italics=lightning talk

Monday May 13, 2024

Time Start	Time End	Room/Location	Moderator	Session Title	Title of presentation	Speakers
08:30 AM	9:45 AM	Blackberry Hall	Conference Opens			
09:15 AM	9:45 AM	Blackberry Hall	Check-in and Networking			
09:45 AM	10:05 AM	Blackberry Hall	Michelle Knowlen	Welcome Address		
10:05 AM	11:05 AM	Blackberry Hall	Plenary Speaker	Pollution Exposure and Democratic Deliberation: The Promises and Paradoxes of Public Engagement, Lessons from Canada's Chemical Valley for Environmental Justice		Sarah Marie Wiebe
11:05 AM	11:20 AM	Break				
11:20 AM	12:05 PM	Blackberry Hall	Michelle Knowlen	Session 1: Temporal and Spatial Monitoring		
11:20 AM	11:35 AM	Blackberry Hall		Session 1: Temporal and Spatial Monitoring	Passive Samplers: A Useful Tool for Identifying Sources of Toxics Impacting Juvenile Chinook	Alex Gipe
11:35 AM	11:50 AM	Blackberry Hall		Session 1: Temporal and Spatial Monitoring	Land use-based mapping of lethal stormwater threats to wild coho in Puget Sound	Julann Spromberg
11:50 AM	12:05 PM	Blackberry Hall		Session 1: Temporal and Spatial Monitoring	Evaluation of Grande Ronde River Basin Water Quality to Identify the Cause of High Mortality to Chinook Salmon Smolt	Kara Hitchko
12:05 PM	1:20 PM	Blackberry Hall	Lunch			
1:20 PM	3:01 PM	Blackberry Hall	Kenia Whitehead	Session 2: Temporal and Spatial Monitoring		
1:20 PM	1:35 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Predictive relationship between PAH concentrations in whole-body and stomach contents of juvenile Chinook salmon	Dwight R. Causey
1:35 PM	1:50 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Fish at the pharma-sea: Pharmaceuticals and personal care products in Puget Sound aquatic life	Molly Shuman-Goodier
1:50 PM	2:05 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Relationships in Selenium Concentrations Among Fish Tissues: Monitoring and Regulatory	Claire Detering
2:05 PM	2:30 PM	Blackberry Hall	Networking Event - Meet the Sponsors			
2:30 PM	2:38 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Tiny Fish, Big Problems; Quantifying Relationships between Microplastics Presence and Morphology in Early Life Stage Salmonids	Tammi Fierro
2:38 PM	2:46 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Investigating Microplastics Contamination in the Yukon Territory's Surface waters and Fish	Sruthee Govindaraj
2:46 PM	3:01 PM	Blackberry Hall		Session 2: Temporal and Spatial Monitoring	Legacy and emerging contaminants of concern in edible seaweeds of interest for Washington state aquaculture development	Holly Suther
3:01 PM	3:20 PM	Break				
3:20 PM	4:35 PM	Blackberry Hall	Julie Layshock	Session 3: Temporal and Spatial Monitoring		
3:20 PM	3:35 PM	Blackberry Hall		Session 3: Temporal and Spatial Monitoring	PDBE Source Identification in the Nisqually River Basin, WA	William Hobbs
3:35 PM	3:50 PM	Blackberry Hall		Session 3: Temporal and Spatial Monitoring	Chemicals of Emerging Concern in Salmon Spawning and Rearing Habitat	Samreen Siddiqui
3:50 PM	4:05 PM	Blackberry Hall		Session 3: Temporal and Spatial Monitoring	Understanding and Mitigating the Dominant Sources of PFAS to Wastewater Treatment Plants from Domestic, Commercial, and Industrial Sectors Utilizing a Mass Balance Approach	Summer L. Sherman-Bertinetti
4:05 PM	4:20 PM	Blackberry Hall		Session 3: Temporal and Spatial Monitoring	Pesticide Monitoring in Washington State Surface Water	Abigail Nickelson
4:20 PM	4:35 PM	Blackberry Hall		Session 3: Temporal and Spatial Monitoring	Human Health Risk-Based Monitoring Program for a Working Harbour	Ariel Blanc
4:35 PM	4:45 PM	Blackberry Hall	TBD	Announcements		
05:30 PM	7:30 PM	Ballroom	Julie Layshock	POSTER SESSION I: hor d'ourves and refreshments		

Tuesday May 14, 2024						
Time Start	Time End	Room/Location	Moderator	Session Title	Title of presentation	Speakers
08:00 AM	08:55 AM	Blackberry Hall	Coffee, Refreshments, and Networking			
08:55 AM	09:05 AM	Blackberry Hall	TBD	Announcements		
09:05 AM	10:10 AM	Blackberry Hall	Julie Layshock	Session 4: Temporal and Spatial Monitoring		
9:05 AM	9:20 AM	Blackberry Hall		Session 4: Temporal and Spatial Monitoring	Enhancing the Federal Natural Resource Damage Assessment Process through Bayesian Networks	April Reed
9:20 AM	9:35 AM	Blackberry Hall		Session 4: Temporal and Spatial Monitoring	Does the Utility of Sentinel Organism's Change Seasonally?	Tate Libunao
9:35 AM	9:43 AM	Blackberry Hall		Session 4: Temporal and Spatial Monitoring	A Tale of Two Estuaries: Environmental detections of human-use contaminants across estuarine Zostera marina communities	Alexandra G. Tissot
9:45 AM	9:53 AM	Blackberry Hall		Session 4: Temporal and Spatial Monitoring	Does Depuration Reduce Filter-feeding Clam Contaminant Concentrations in Esquimalt Harbour, British Columbia?	Sydney Gonsalves
9:55 AM	10:10 AM	Blackberry Hall		Session 4: Cause and Effect	Connecting Science to Stormwater Management Solutions - Part 1: The Evolution and Promise of High-Performance Bioretention Media to Mitigate the Impacts of Stormwater on Receiving Waters	Curtis Hinman
10:10 AM	12:15 PM	Blackberry Hall	Heidi Siegelbaum	Session 5: Perspectives		
10:10 AM	10:25 AM	Blackberry Hall		Session 5: Perspectives	Forty years since the Redbook and ten hence, a review of the development of ecological risk assessment with multiple stressors, endpoints and management goals and steps forward.	Wayne G. Landis
10:25 AM	10:40 AM	Blackberry Hall		Session 5: Perspectives	Challenges in determining sediment clean-up levels for polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in urban waterways	Alice England
10:40 AM	11:00 AM	Break				
11:00 AM	12:15 PM	Blackberry Hall		PANEL Discussion	Inclusive Perspectives on Contaminant Solutions	Allie Tissot, Tammi Fierro, Elise Granek
12:15 PM	1:35 PM	Blackberry Hall	Lunch			
1:35 PM	4:15 PM	Blackberry Hall	Kaley Major	Session 6: Cause and Effect		
1:35 PM	1:50 PM	Blackberry Hall		Session 6: Cause and Effect	Impact of anticoagulant rodenticides on coho salmon (<i>Oncorhynchus kisutch</i>): assessing lethal and sublethal effects	Lillian Pavord
1:50 PM	2:05 PM	Blackberry Hall		Session 6: Cause and Effect	How differential phenanthrene substitution alters toxicity, Cyp1a Spatial Expression, and AHR Dependence in Early Life Stage Zebrafish	Mackenzie Morshead
2:05 PM	2:13 PM	Blackberry Hall		Session 6: Cause and Effect	Effects of anthropogenic contamination on mortality and fecundity of mammal-eating killer whales	Chloe Kotik
2:15 PM	2:45 PM	Blackberry Hall	Networking Event - Meet the Sponsors			
2:45 PM	3:00 PM	Blackberry Hall		Session 6: Cause and Effect	Connecting Science to Stormwater Management – Part 2: Lab-Scale Treatment of 6PPD-quinone using Default and Alternative Bioretention Soil Medias	Chelsea Mitchell
3:00 PM	3:15 PM	Blackberry Hall		Session 6: Cause and Effect	Connecting Science to Stormwater Management Solutions - Part 3: Using Science in Policy and Stormwater Management at King County	Jenee Colton
3:15 PM	3:30 PM	Blackberry Hall		Session 6: Cause and Effect	An evolving mechanistic understanding of 6PPD-q toxicity to Pacific salmonids	Nat Scholz
3:30 PM	3:45 PM	Blackberry Hall		Session 6: Cause and Effect	Assessing the Toxicity of Tire Wear Particles Using Cell Line Models	Ellie Dalsky
3:45 PM	4:15 PM	Blackberry Hall		Session 6: Cause and Effect	6PPD-Q Perspectives from WA Dept of Ecology	Stephanie Gill, Rhea Smith & Amanda Gillen
4:15 PM	4:30 PM	Blackberry Hall	TBD	Announcements		
05:30 PM	7:30 PM	Ballroom	Julie Layshock	POSTER SESSION II: hor d'ourves and refreshments		
9:00 PM	11:00 PM	TBD	Miranda Jackson	Student Mixer		

Wednesday May 15, 2024						
Time Start	Time End	Room/Location	Moderator	Session Title	Title of presentation	Speakers
08:00 AM	8:30 AM	Blackberry Hall	Coffee, Refreshments, and Networking			
8:30 AM	8:45 AM	Blackberry Hall	Kenia Whitehead	President's address		
8:45 AM	9:00 AM	Blackberry Hall	TBD	Treasurer's Report		
9:00 AM	9:15 AM	Blackberry Hall	TBD	SETAC NA		
9:15 AM	9:25 AM	Blackberry Hall	TBD	Board Nominations		
9:25 AM	9:40 AM	Blackberry Hall	Open	Feedback from Members		
9:40 AM	9:55 AM	Blackberry Hall	Julie Layshock	Student Presentation Awards		
9:55 AM	10:15 AM	Break				
10:15 AM	11:45 PM	Blackberry Hall	Michelle Knowlen	Session 7: Cause and Effect		
10:15 AM	10:30 AM	Blackberry Hall		Session 7: Cause and Effect	Acclimation of Freshwater Sediments for Marine Bioassay Testing	Mary Ann Rempel-Hester
10:30 AM	10:45 AM	Blackberry Hall		Session 7: Cause and Effect	Evaluating the potential hazards of anticoagulant-containing bait pellets to early life stage pink (Oncorhynchus gorbuscha) and coho salmon (O. kisutch)	Melissa K. Driessnack
10:45 AM	11:00 AM	Blackberry Hall		Session 7: Cause and Effect	Comparison of Eco-Corona and Protein Corona Binding Constants on Functionalized Gold Nanoparticles Using Spectroscopic Methods	Sam Lohse
11:00 AM	11:15 AM	Blackberry Hall		Session 7: Cause and Effect	Characterizing the Impacts of Legacy Arsenic Contamination on Freshwater Lake Microbiomes	Sarah Alaei and Alison Gardell
11:15 AM	11:30 AM	Blackberry Hall		Session 7: Cause and Effect	Investigating the impact of dietary-based stressors on the health and survival of juvenile Chinook salmon (Oncorhynchus tshawytscha).	Melissa K Driessnack
11:30 PM	11:45 PM	Blackberry Hall	TBD	Closing		
11:45 PM	12:00 PM	Break				
12:00 PM	03:30 PM	Blackberry Hall	In-Person Short Course (with Lunch for participants) Sign up is required		From the basics to the state-of-the-science on micro and nanoplastics research	Stacey Harper & Susanne Brander

Poster Galas and Presidents' Receptions Monday 5/13/2024						
*Time Start	*Time End	Room/Location	Poster number	Session Title	Title of presentation	Speakers
05:30 PM	7:30 PM	Ballroom	1	Puget Sound	Characterizing Arsenic Contamination and its Effects On the Microbiomes of South Central Puget Sound Lakes	Aseel Al Karawi
05:30 PM	7:30 PM	Ballroom	2	Puget Sound	In vitro approaches for addressing orca health	John D. Hansen
05:30 PM	7:30 PM	Ballroom	3	Puget Sound	Using a periphyton feeding experiment to assess trophic transfer of arsenic and its impacts on host gut microbiome composition	Christian Gombio
05:30 PM	7:30 PM	Ballroom	4	Puget Sound	Perspectives of high-consuming immigrant and refugee fisher communities in King County	Richard Jack
05:30 PM	7:30 PM	Ballroom	5	Salish Sea	Biomarker expression of P450 and SOD in Blue Mussels of Salish Sea	withdrawn
05:30 PM	7:30 PM	Ballroom	6	Salish Sea	Estrogenic Activity of mixtures in the Salish Sea: The use of high throughput toxicity data with chemical information from fish bile and other matrices	Maya Faber
05:30 PM	7:30 PM	Ballroom	7	Tire Wear	Tire Wear Contaminants Spatial and Temporal Monitoring Strategies	Rhea Smith
05:30 PM	7:30 PM	Ballroom	8	Tire Wear	Leveraging Multi-Omics Analyses to Explore the Toxicity of Urban Road Runoff Contaminants in Juvenile Salmonid Species	Miranda Jackson
05:30 PM	7:30 PM	Ballroom	9	Tire Wear	Effects of Tire Wear Micro- and Nanoparticles in the Model Estuarine Species Fish Menidia Beryllina and Mysid Shrimp Americamysis bahia	Clarissa Raguso
05:30 PM	7:30 PM	Ballroom	10	Tire Wear	How Habitat, Population, and Life Stage Alter 6PPD-quinone Toxicity to Coho Salmon	Garrett Foster
05:30 PM	7:30 PM	Ballroom	11	Plastics	Utilizing an In vivo Human Health Model to Understand the Effects of Polyhydroxyalkanoate Nanoplastics on Polycyclic Aromatic Hydrocarbon Mixtures Toxicity	Elise Cordle
05:30 PM	7:30 PM	Ballroom	12	Plastics	Unraveling the combined effects of acidification and microfibers from textiles on a model estuarine organism, Americamysis bahia	Lauren Miki Kashiwabara
05:30 PM	7:30 PM	Ballroom	13	The P's: Pesticides, Pharmaceuticals, PAHs, and Probabilistic Risk Assessment	Phthalates and Phthalate Alternatives Analysis Using Gas Chromatography Mass Spectrometry With Demonstration using Silicone Passive Samplers and Real-World Samples	Kaley Adams
05:30 PM	7:30 PM	Ballroom	14	The P's: Pesticides, Pharmaceuticals, PAHs, and Probabilistic Risk Assessment	Probabilistic Risk Assessment as a Tool for Environmental Risk Assessment and Regulatory Criteria Development: Applications and Versatility	Camille Flinders
05:30 PM	7:30 PM	Ballroom	15	The P's: Pesticides, Pharmaceuticals, PAHs, and Probabilistic Risk Assessment	Evaluating the Efficacy of Soil Amendments in Reducing the Impacts of Nanopesticides	Brianna Benner
05:30 PM	7:30 PM	Ballroom	16	The P's: Pesticides, Pharmaceuticals, PAHs, and Probabilistic Risk Assessment	Enemies of Anemones: How Environmental Concentrations of Pesticides Affect Anthopleura elegantissima Symbionts and Reproductive Ability	Bria Bleil
05:30 PM	7:30 PM	Ballroom	17	Airborne pollutants	Community-Engaged Investigation of Airborne PAH exposure in St. Helens, OR using Passive Sampling Techniques	Alison Clark
05:30 PM	7:30 PM	Ballroom	18	Airborne pollutants	A community-engaged investigation of residential polycyclic aromatic hydrocarbon exposures in Western Eugene	Francesca Germano

Poster Galas and Presidents' Receptions Tuesday 5/14/2024						
05:30 PM	7:30 PM	Ballroom	19	Puget Sound	Effects based, chemical characterization of biota in Puget Sound	C. Andrew James
05:30 PM	7:30 PM	Ballroom	20	Puget Sound	Spatial Distribution of Legacy Chemicals in Puget Sound Sediments from 1997-2023	Sandra Weakland
05:30 PM	7:30 PM	Ballroom	21	Puget Sound	PCBs Monitoring in Major Puget Sound Rivers	Elisa J Rauschl
05:30 PM	7:30 PM	Ballroom	22	Puget Sound	Enhanced Watershed Monitoring and Toxicological Analysis of Contaminants of Emerging Concern	David Wark
05:30 PM	7:30 PM	Ballroom	23	Puget Sound	Current Status and Future Directions for Sediment Monitoring in the Central Basin of Puget Sound	Wendy Eash-Loucks
05:30 PM	7:30 PM	Ballroom	24	Tire Wear	A Systematic Review of Best Management Practices for 6PPD-quinone Stormwater Mitigation	Sara J. Hutton
05:30 PM	7:30 PM	Ballroom	25	Tire Wear	Chronic exposure to 6ppd-q has concentration-dependent effects on developing coho salmon embryos Prarthana Shankar	Prarthana Shankar
05:30 PM	7:30 PM	Ballroom	26	Tire Wear	Evaluating the relative acute toxicity of PPD chemicals on coho salmon (<i>Oncorhynchus kisutch</i>)	Caitlin Lawrence
05:30 PM	7:30 PM	Ballroom	27	Tire Wear	Assessing the Toxicity of Zinc and Zinc Oxide Nanoparticles to Freshwater Algae	Christina-Ann Groening
05:30 PM	7:30 PM	Ballroom	28	Plastics	The Acute Toxicity of Microplastics to <i>Daphnia magna</i> and <i>Caenorhabditis elegans</i> Co-Exposed with Atrazine at Environmentally Relevant Concentrations	Kelsey Arthur
05:30 PM	7:30 PM	Ballroom	29	Plastics	Attitudes and Concerns on Microplastics in Oregon: A Need for Policy, Education, and Innovation	Amanda Gannon
05:30 PM	7:30 PM	Ballroom	30	Plastics	Pacific Lamprey: An Indicator, A Way of Life, A Connector Between Our Past and Future A Collaborative Correlation Study into Microplastics and Methyl Mercury	Venecia Rollins
05:30 PM	7:30 PM	Ballroom	31	The P's: Pesticides, Pharmaceuticals, PAHs, and Probalistic Risk Assessment	Sublethal Toxicity Testing of Commonly Used Pesticides at Varying Salinities in <i>Menidia beryllina</i>	Kate Berreman
05:30 PM	7:30 PM	Ballroom	32	The P's: Pesticides, Pharmaceuticals, PAHs, and Probalistic Risk Assessment	A PBPK Model to Predict PAH Tissue Burden in Plate-Based Developmental Zebrafish Exposures	Christian Rude
05:30 PM	7:30 PM	Ballroom	33	The P's: Pesticides, Pharmaceuticals, PAHs, and Probalistic Risk Assessment	Temporal Variability of Amphetamine and Methamphetamine at a Municipal Wastewater Treatment Facility	Aven M Lantz
05:30 PM	7:30 PM	Ballroom	34	The P's: Pesticides, Pharmaceuticals, PAHs, and Probalistic Risk Assessment	Suspect and Nontarget Screening of Environmental High-Resolution Mass Spectrometry Data to Address Community Concerns Related to Surface Water Contaminants and their Toxicity	Chloe Fender
05:30 PM	7:30 PM	Ballroom	35	Airborne pollutants	Assessing potential environmental impacts of open loop exhaust gas cleaning system (EGCS) discharges in the Puget Sound	Jay Word
05:30 PM	7:30 PM	Ballroom	36	Airborne pollutants	Modeling the extent of the potential environmental impacts of open loop exhaust gas cleaning system (EGCS) discharges in the Puget Sound	Jay Word
05:30 PM	7:30 PM	Ballroom	37	Airborne pollutants	Wildfire Smoke Characterized for 1500 Potential Chemicals	Kelly O'Malley