

**U.S. Environmental Protection Agency – Office of Water
2023 National Fish Forum | Agenda**



AGENDA *(All times are Eastern Time)*

Week 1

TUESDAY, FEBRUARY 28	PRESENTER NAME(S)	ABSTRACT TITLE
	Welcome John Healey , Master of Ceremonies (U.S. EPA)	
12:00 – 1:15 PM	Opening Remarks & Introductions Deborah Nagle (U.S. EPA)	
	Keynote Speaker Elsie Sunderland (Harvard University)	
1:15 – 1:30 PM Break		
Session 1: Fish Consumption Advisories		
Moderator: Marc A. Nascarella (Massachusetts Dept. of Public Health)		
	David Farrer (Oregon Health Authority)	<i>Oregon Fish Consumption Advisories for Migratory Species</i>
	Samuel Cohen (Duke University Superfund Research Center)	<i>Collecting Data to Inform Fish Consumption Advisories in North Carolina When You are Outside of State Government</i>
1:30 – 2:10 PM	Matt Chumchal (Texas Christian University)	<i>Effect of Land Cover on Ecoregion-Scale Spatial Patterns of Mercury Contamination of Largemouth Bass in the Southeastern United States</i>
	Sarah Janssen (U.S. Geological Survey)	<i>Exploring Spatiotemporal Patterns in Fish Mercury Bioaccumulation with Mercury Isotopes</i>
	Wesley Smith (California Office of Environmental Health Assessment)	POSTER: <i>2021 Southern California Oil Spill Seafood Safety Assessment</i>
2:10 – 2:30 PM	Discussion and Questions	
Session 2: PFAS Toxicity Assessments		
Moderator: Sandra Goodrow (New Jersey Dept. of Environmental Protection)		
	Brittany Jacobs (U.S. EPA)	<i>EPA’s PFOS Health Effects Assessment: Current Status</i>
	Wendy Heiger-Bernays (Boston University)	<i>Influence of Chemical Mixtures on Risk-Based Screening Levels for Fish Consumption Advisories</i>
2:30 – 3:45 PM	Gloria Post (New Jersey Dept. of Environmental Protection)	<i>Development of Reference Dose and Fish Consumption Triggers for Perfluoroundecanoic Acid (PFUnDA) for Use in New Jersey Fish Consumption Advisories</i>
3:45 – 4:00 PM	Discussion and Questions	
3:45 – 4:00 PM Break		

Session 3: Beyond PFOS: What's in the fish? Why does it matter?

Moderators: **Meghan Williams & Sean Strom** (Wisconsin Dept. of Natural Resources)

4:00 – 4:45 PM	Heidi Pickard (Harvard University)	<i>Per- and Polyfluoroalkyl Substance and Precursor Bioaccumulation in Freshwater Recreational Fish: Implications for Fish Advisories</i>
	John Wathen (U.S. EPA)	<i>Patterns of Occurrence of Poly and Perfluoroalkyl Substances (PFAS) Compounds in Fresh Water Fish from Major U.S. Rivers</i>
	Anna Robuck (U.S. EPA)	<i>Occurrence and Bioaccumulation of Novel Poly and Perfluoroalkyl Substances (PFAS) in the Delaware River Estuary, USA</i>
4:45 – 5:00 PM	Discussion and Questions	

Session 4: Presentation

5:00 – 5:30 PM	Adrian Hanley (U.S. EPA)	<i>U.S. EPA Draft Method 1633 for Per- and Polyfluorinated Alkyl Substances (PFAS) Validation and Path Forward</i>
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Day 1 Adjourns

THURSDAY, MARCH 2

PRESENTER NAME(S)

ABSTRACT TITLE

12:00 – 12:15 PM Day 2 Welcome | **John Healey**, Master of Ceremonies (U.S. EPA)

Session 1: PFAS in Commercial Fish

Moderator: **Jesse Becker** (New York State Dept. of Environmental Conservation)

12:15 – 12:45 PM	Susan Genualdi (U.S. FDA)	<i>FDA Survey of Poly and Perfluoroalkyl Substances (PFAS) in Highly Consumed U.S. Seafood Products</i>
	Betsy Ruffle (AECOM)	<i>Potential Human Exposure to Perfluoroalkyl Substances (PFAS) from Consumption of U.S. Market Basket Fish and Shellfish</i>
	Mariam Oladosu (University of Illinois Chicago)	<i>Per- and Polyfluoroalkyl Substances (PFAS) in Seafood Consumed by Asians in Chicago, IL</i>
12:45 – 1:00 PM	Discussion and Questions	

Session 2: PFAS Monitoring Studies, Part 1

Moderator: **Angela Preimesberger** (Minnesota Pollution Control Agency)

1:00 – 1:45 PM	John Healey (U.S. EPA)	<i>Probability-based National Assessments of Contaminants in Fish from Great Lakes and U.S. Rivers</i>
	Anna Boatman (University of North Carolina, Chapel Hill)	<i>Per- and Polyfluoroalkyl Substances (PFAS) in Sunfish from North Carolina's Haw River and Jordan Lake</i>
	Frannie Nilsen (North Carolina Dept. of Environmental Quality)	<i>PFAS Examined in 14 Fish Species in the Cape Fear River, North Carolina</i>
	Tom Danielson (Maine Dept. of Environmental Protection)	<i>Accumulation of perfluorooctane sulfonic acid (PFOS) in Stocked Brook Trout in Fairfield, Maine</i>
	David Cravens (Kentucky Division of Water)	POSTER: <i>Initial Fish Tissue Results for Per- and Polyfluoroalkyl Substances in Kentucky Waterbodies</i>
1:45 – 2:00 PM	Cloelle Danforth (Environmental Defense Fund)	POSTER: <i>Drivers for Building Gulf Coast Resilience: Findings from Fish Sampling in Galveston Bay</i>
	Discussion and Questions	

2:00 - 2:15 PM Break

Session 3: PFAS Monitoring Studies, Part 2

Moderator: **Wayne Richter** (New York State Dept. of Environmental Conservation)

	Breana Bennett (Maine Center for Disease Control and Prevention)	<i>Surface Water and Fish Impacted by Historic Land Application of Biosolids and Resulting Fish Consumption Advisories in Fairfield, Maine</i>
	Wayne Richter (New York State Dept. of Environmental Conservation)	<i>Fish Contaminant Monitoring in New York's Great Lakes Waters</i>
	Jennifer Sun (Harvard University)	<i>A food web bioaccumulation model for the accumulation of per- and polyfluoroalkyl substances (PFAS) in fish: how important is renal elimination?</i>
2:15 – 3:15 PM	Meghan Cerpa (University of Illinois Chicago)	<i>Perfluoroalkyl Substances (PFAS) and Fish Consumption in the Great Lakes Fish Consumer Study (GLFCS)</i>
	David Andrews (Environmental Working Group)	POSTER: <i>Locally Caught Freshwater Fish Across the United States are Likely a Significant Source of Perfluoroalkyl Substances (PFAS) Exposure</i>
	Samantha Fontenelle (U.S.EPA)	POSTER: <i>Temporal and Demographic Patterns of PFAS Exposure and the Relationship with Seafood Consumption in the U.S. General Population using 1999-2012 NHANES Data</i>
3:00 – 3:15 PM	Discussion and Questions	

Session 4: Risk Communication for PFAS

Moderator: **Roxanne Karimi** (Stony Brook University)

	Gillian Miller (Ecology Center)	<i>Holistic Assessment of Perfluoroalkyl Substances (PFAS) in Fish Filets and Organs using a Community-Science Approach</i>
3:15 – 4:00 PM	Rachel Gladstone (Massachusetts Dept. of Public Health)	<i>Conducting Perfluoroalkyl Substances (PFAS) Surveillance of Freshwater Fish from Select Locations in Massachusetts</i>
	Ken Edwardson (New Hampshire Dept. of Environmental Services)	<i>New Hampshire Department of Environmental Services (NHDES) Fish Tissue Study Results: What does it mean and what might it mean?</i>
3:45 – 4:00 PM	Discussion and Questions	

4:00 – 4:15 PM Break

Session 5: PFAS: It's Not Just in Finfish

Moderator: **Amy LaLiberte** (Maryland Dept. of the Environment)

	Kayla Boyd (Auburn University)	<i>Perfluoroalkyl Substances (PFAS) Bioaccumulation, Depuration, and Energetic Cost in the Eastern Oyster, <i>Crassostrea virginica</i></i>
4:15 – 5:00 PM	Jonathan Petali (New Hampshire Dept. of Environmental Services)	<i>Seafood as a Source of Per- and Polyfluoroalkyl Substance Exposure Among Residents of New Hampshire</i>
	Shannon Jones (University of Delaware)	POSTER: <i>Bioaccumulation of Per-and Polyfluoroalkyl Substances (PFAS) in Delaware Bay Fish and Shellfish</i>
	Christine Gardiner (Dartmouth College)	POSTER: <i>All Perfluoroalkyl Substances (PFAS) and No Pearls: Preliminary Findings of Per- and Polyfluoroalkyl Acids in Great Bay Bivalves</i>

Nathan Giffard (New Hampshire Dept. of Environmental Services)

Melanie Hedgespeth (U.S. EPA)

POSTER: *Challenges and Opportunities for Evaluating Perfluoroalkyl Substances (PFAS) in Bivalve Shellfish*

POSTER: *Ecological Characteristics Impact Perfluoroalkyl Substances (PFAS) Concentrations in a U.S. North Atlantic Food Web*

4:45 – 5:00 PM

Discussion and Questions

Session 6: PFAS Research: Developmental, Reproductive and Neural Effects

Moderator: **Jonathon Petali** (New Hampshire Dept. of Environmental Services)

5:00 – 5:30 PM

Ahmed Abdelmoneim (Louisiana State University)

Effects of Developmental Exposure to Poly and Perfluoroalkyl Substances (PFAS) on the Behavioral Response to Acute Stressors

Jessica Plavicki (Brown University)

Effects of Poly and Perfluoroalkyl Substances (PFAS) Exposure on Microglial Function and Neural Network Development

5:20 – 5:30 PM

Discussion and Questions

Day 2 and Week 1 Adjournment

Week 2

TUESDAY, MARCH 7	PRESENTER NAME(S)	ABSTRACT TITLE
12:00 – 12:15 PM	Day 3 Welcome John Healey , Master of Ceremonies (U.S. EPA)	
Session 1: Fish Consumption and Equity Moderator: Dianne Barton (Columbia River Inter-Tribal Fish Commission)		
12:15 – 1:30 PM	Trey Sherard (Anacostia Riverkeeper)	<i>Anacostia River: Urban Subsistence Fishing in Two Jurisdictions' Fish Consumption Advisories</i>
	Dianne Barton (National Tribal Toxics Council)	<i>Protection of Tribal Fish Consumers under the Toxic Substances Control Act (TSCA)</i>
	Meghan Williams (Wisconsin Dept. of Natural Resources)	<i>The Great Lakes Fish Consumption Collaborative</i>
	Shanna Alexander (U.S. EPA, Region 4) & Marian Olsen (U.S. EPA, Region 2)	<i>Development of Site-Specific Fish Consumption Rates for Anglers at Superfund Sites</i>
	Amina Wilkins (U.S. EPA)	<i>Subsistence Seafood and Aquatic Biota Consumption Systematic Review and Project Update for the 2023 Fish Forum</i>
1:10 – 1:45 PM	Sarah Nelson (Appalachian Mountain Club)	POSTER: <i>The Dragonfly Mercury Project in the Merrimack River Watershed: Participatory Science to Inform Risk in Environmental Justice Communities</i>
	Discussion and Questions	
1:30 – 1:45 PM Break		
Session 2: Risk Communication, Part 1 Moderator: Page Hingst (Santee Sioux Nation of Nebraska)		
1:45 – 3:00 PM	Beth Appert (Multnomah County Health Dept.)	<i>Know Your River, Know Your Food – A Fish Consumption Advisory Program</i>

Ruben Chi Bertoni (King County and Seattle – Dept. of Public Health)	<i>Engagement, Equitable Voice, and Empowerment: Building a Health Promotion Program to Advance Environmental Justice in the Duwamish River Superfund Site</i>
Summer Shaw (Wisconsin Division of Health Services)	<i>A Focus Group Study of Fish Consumption Behaviors Among Asian Women in Milwaukee</i>
Chiara Klein (Duke University Superfund Research Center)	<i>An Online Manual to Increase Access to and Application of Best Practices for Communicating Fish Consumption Advisories in North Carolina</i>
Matthew Dellinger (Medical College of Wisconsin)	<i>Gigiigooinaan (Our Fish): A New Advisory to Promote Anishinaabe Health and Wellness</i>

2:35 – 3:00 PM Discussion and Questions

3:00 – 3:15 PM Break

Session 3: Risk Communication, Part 2

Moderator: **Audrey Van Genechten** (New York State Dept. of Health)

Bruce Lauber (Cornell University)	<i>Preferences for Seafood Consumption Advice in Pregnant Women</i>
Sarah Rothenberg (Oregon State University)	<i>Risk Assessment and Effectiveness of Fish Consumption Advisories Among Female Anglers in Oregon, USA</i>
Mary Ellen Turyk (University of Illinois Chicago)	<i>The Efficacy of a Text Messaging Intervention Trial to Conserve Healthy Fish Consumption and Reduce Mercury Contaminants in Reproductive Age Chicago Asian Women</i>
Kellie Casavale (U.S. FDA)	<i>FDA Update: New Studies to Inform Advice About Eating Fish</i>
Audrey Van Genechten (New York State Dept. of Health)	<i>Working with New York State Burmese and Karen Speaking Anglers to Create Culturally Appropriate Fish Advisory Materials</i>

3:15 – 4:10 PM

4:10 – 4:30 PM Discussion and Questions

Session 4: Trainings

Tai Lung (U.S. EPA) & Matthew Lee (U.S. EPA)	<i>Environmental Justice (EJ) Screen</i>
Nicholas Spalt (U.S. EPA)	<i>Office of Enforcement and Compliance Assurance Per- and Poly-fluoroalkyl Substances (PFAS) Analytic Tools</i>

4:30 – 5:30 PM

Day 3 Adjournment

THURSDAY, MARCH 9

PRESENTER NAME(S)

ABSTRACT TITLE

12:00 – 12:15 PM Day 4 Welcome | **John Healey**, Master of Ceremonies (U.S. EPA)

Session 1: Fish Data Tools

Moderator: **Brandon Reid** (Michigan Dept. of Health and Human Services)

	Ryan Lepak (U.S. EPA)	<i>Advancing our Understanding of Contaminant Sources and Burden to Predator Fishes of the Great Lakes Over Vast Time Domains</i>
	Joel Hoffman (U.S. EPA)	<i>Incorporating Habitat Use and Life History to Predict Polychlorinated Biphenyl (PCB) Residues in Fish</i>
	Adam Griggs (U.S. EPA)	<i>Submitting Fish Contaminant Data to the Water Quality Exchange (WQX)</i>
12:15 – 1:30 PM	Adam Griggs (U.S. EPA)	<i>How to Find, Access, and Deploy Fish Contaminant Data Using the Water Quality Portal</i>
	John Healey (U.S. EPA)	POSTER: <i>An Evaluation of Mercury and Selenium Fish Tissue Monitoring Alternatives: Fish Biopsy Plug Samples Versus Homogenized Whole Fillets</i>
	John Healey (U.S. EPA)	POSTER: <i>EPA's 2022 National Assessment of Contaminants in Fish from U.S. Lakes</i>
	Enid Partika (Michigan Technological University)	POSTER: <i>Filling the Data Gap on Responses of Fish Polychlorinated Biphenyl (PCB) Content to Remedial Actions in Torch Lake, Michigan</i>
1:05 – 1:30 PM	Discussion and Questions	

Session 2: Climate Change

Moderator: **Wendy Heiger-Bernays** (Boston University)

	Stephen Jane (Cornell University)	<i>Will Climate Warming Enhance Mercury Bioaccumulation in Lake Fishes by Inducing Deep-Water Anoxia?</i>
1:30 – 2:00 PM	Astrid Schnetzer (North Carolina State University)	<i>Food Web Transfer of Cyanobacterial Toxins in the Chowan River and the Western Albemarle Sound, North Carolina</i>
	Roxanne Karimi (Stony Brook University)	POSTER: <i>Winter Mercury Patterns in Lake Champlain and Future Environmental Health Risks</i>
1:50 – 2:00 PM	Discussion and Questions	

2:00 – 2:15 PM Break

Session 3: Contaminants in Fish, Part 1

Moderator: **Elsie Sunderland** (Harvard University)

	John Logan (Massachusetts Division of Marine Fisheries)	<i>Mercury Bioaccumulation in Estuarine Food Webs with Different Nitrogen Loads</i>
	Mike Cyterski (U.S. EPA)	<i>Spatiotemporal Effects of Interacting Water Quality Constituents on Mercury Concentrations in Everglades' Mosquitofish</i>
2:15 – 3:05 PM	Sally Thurston (University of Rochester) & Susan Korrick (Harvard T.H. Chan School of Public Health)	<i>A Novel Approach to Assessing the Joint Effects of Mercury and Fish Consumption on Neurodevelopment in the New Bedford Cohort Study</i>
	Tyler Orgon (Red Lake Band of Chippewa Indians)	<i>Spatial and Temporal Variability of Mercury in Upper and Lower Red Lake Walleye</i>
	Noel Urban (Michigan Technological University)	<i>Experimental Evaluation of Additive Interactions in the Toxicity of Methylmercury and Polychlorinated Biphenyls (PCBs) to Zebrafish</i>
3:05 – 3:30 PM	Discussion and Questions	

3:30 PM – 4:00 PM Break

Session 4: Contaminants in Fish, Part 2

Moderator: **Vivien Taylor** (Dartmouth College)

4:00 – 5:00 PM	James Gawel (University of Washington Tacoma)	<i>Human Health Risk from Fish Consumption in Arsenic Contaminated Lakes in Western Washington</i>
	Lauren Salvato (Upper Mississippi River Basin Association)	<i>Fish Consumption Use Assessments for the Upper Mississippi River</i>
	Vivien Taylor (Dartmouth College)	<i>Geographic and Ecological Drivers of Harmful and Beneficial Compounds in Gulf of Maine Fish</i>
	Christoff Furin (State of Alaska Dept. of Environmental Conservation)	POSTER: <i>Selenium in Alaska’s Fish</i>
4:30 – 5:00 PM	Discussion and Questions	

Closing Remarks

5:00 – 5:30 PM Closing Remarks & Thank You | **Matthew Tejada** (U.S. EPA)

Day 4 and 2023 National Fish Forum Adjournment