



National Institute of
Environmental Health Sciences
Superfund Research Program



Virtual Technology Fair: Per- and Polyfluoroalkyl Substances

Wednesday, September 24, 2025

1:00 – 2:30 p.m. EDT



This Virtual Technology Fair
is an EPA and NIEHS collaboration
broadcast via Clu-In.org.

Website:

www.niehs.nih.gov/srp

NIEHS Superfund Research Program (SRP)

- Established 1986 under SARA Legislation
 - Grant Program (Universities and Small Businesses)
 - Health Effects, Assessing Risk, Detection, Remediation of Hazardous Substances
 - [Active Funding Announcements](#)
- Small Business Innovation Research and Technology Transfer Grants (SBIR/STTR)
 - Early-stage research, new/novel approaches – taking risks
 - Phase I (proof of concept) / Phase II (research and development)
 - Multiple Federal Agencies (n = 11)

About SRP-Funded Research: Who, What, Where Superfund Research Program

SRP funds research grants across the country aimed at understanding what people are exposed to, how exposures affect health, how to reduce exposures, and how to prevent disease.



[Who We Fund](#)

SRP funds scientific research to address a wide array of complex environmental health problems related to hazardous substances.



[What We Fund: SRP Search Tools](#)

SRP has search tools to help you learn more about the projects and researchers funded by the Program, and to see their publications.



[Where We Work](#)

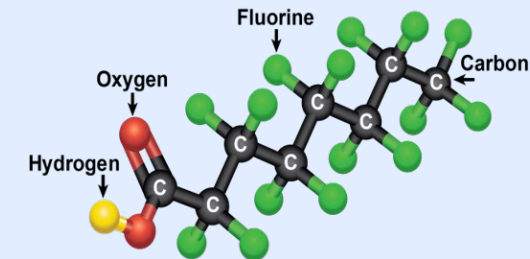
SRP funds research grants across the country. Learn more about where SRP-grant recipients are conducting research through our interactive map.



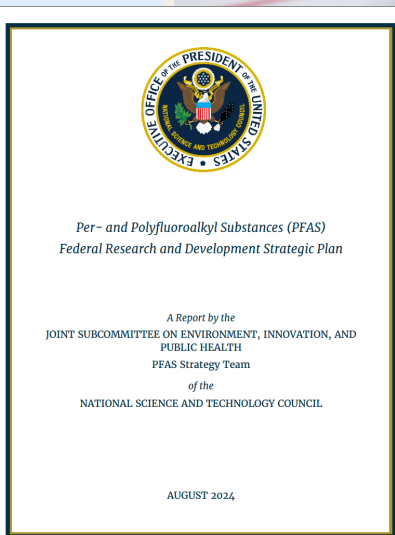
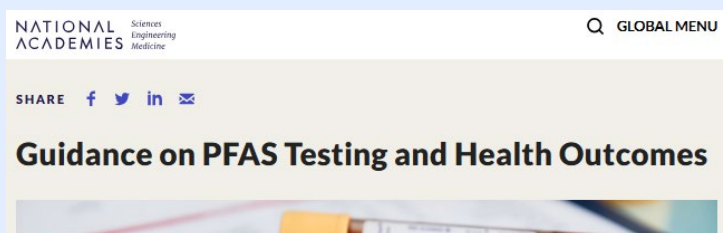
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Per- and Polyfluoroalkyl Substances (PFAS)

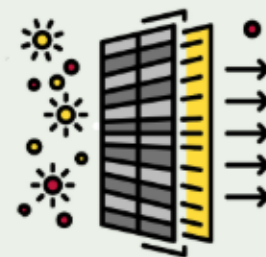


- Resources
 - National Academies of Science: [Clinical Guidance \(2022\)](#)
 - State Coordination: [Interstate Technology Regulatory Council \(2023\)](#)
 - Federal Coordination: [Strategic Plan \(2024\)](#)

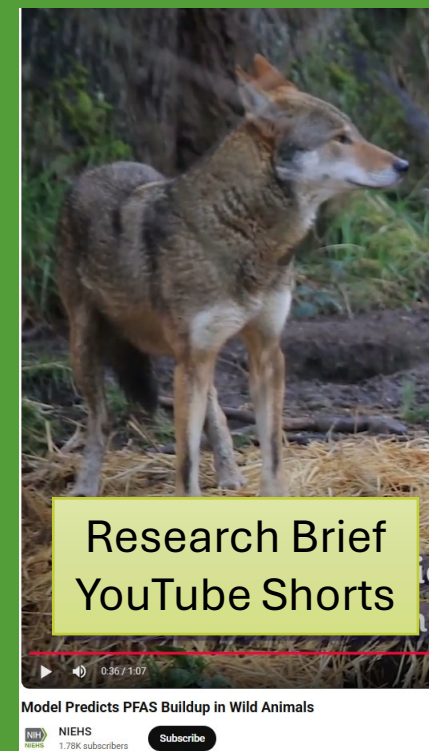


Models predict cleanup success and cost.

The models predict the breakthrough value of a proposed granular activated carbon system.



Breakthrough values represent how much water can be processed before pollutants begin crossing the carbon barrier.



[ReL 2023: Tools for PFAS Site Characterization](#)

This series focused on research efforts to develop tools for sampling, monitoring, detecting, and characterizing per- and polyfluoroalkyl substances (PFAS) contamination.

Superfund Research Program Highlights

[Machine Learning Predicts Efficiency of Micropollutant Removal](#)

[Model Predicts PFAS Buildup in Wild Animals](#)

[Tools for PFAS Site Characterization Webinar Series](#)

Today's Presentations

Espira Inc.

Fluorescence-Solid Phase Extraction (F-SPE) Microfluidic Platform for Rapid, Onsite Detection and Identification of PFAS With Machine Learning

Speaker: Jason Beck



Research Inc.

Filtration Media for In-Home PFAS Removal From Drinking Water

Speaker: Steven Dietz



MAX-IR LABS LLC

PFAS Sensor for Remediation and Industrial Wastewater Treatment Optimization Applications

Speaker: Ecatherina Roodenko



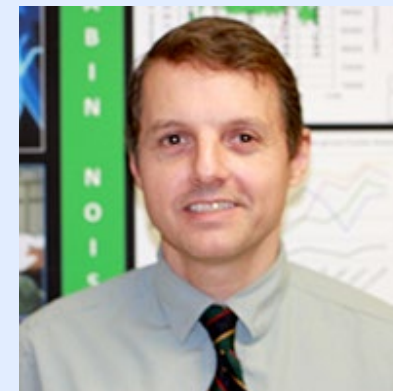
Bluegrass Advanced Materials LLC

Development of Smart Flocculants for the Treatment of PFAS Contaminated Water

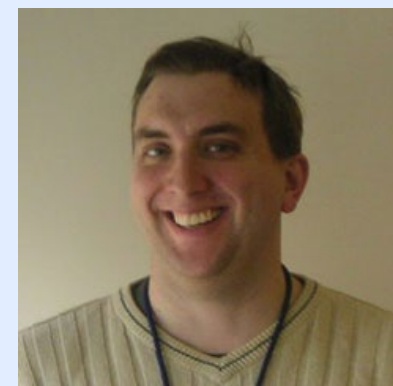
Speaker: Claire Rowlands



Q/A Panelists



Christopher Zevitas, Sc.D.
U.S. Department of Transportation



Michael Adam
U.S. Environmental Protection Agency