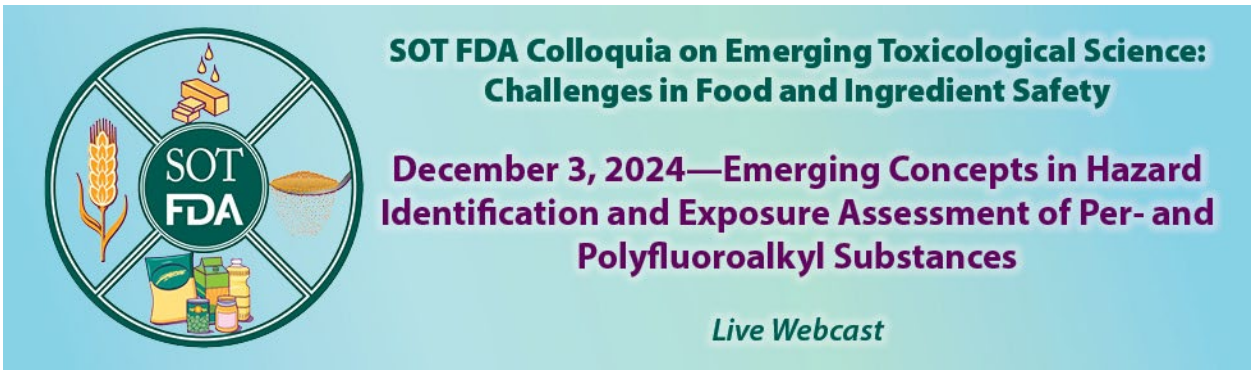

Emerging Concepts in Hazard Identification and Exposure Assessment of Per- and Polyfluoroalkyl Substances

December 3, 2024

Register
Website

Co-Chairs: Jessica Camacho, PhD, US FDA, and Jamie DeWitt, PhD, Oregon State University

Overview

Per- and polyfluoroalkyl substances (PFAS) are a large class of synthetic compounds that have been used across myriad products and processes, including as grease-, water-, and stain-repellant coatings on textiles, cookware, and food contact materials. As a result of their widespread use, PFAS are now found in nearly every environmental matrix evaluated, including human biological tissues and fluids. Although some subsets of PFAS have been well-studied with respect to their human health toxicological hazards and drinking water exposures, questions remain about the vast majority of PFAS. Most of the general population is exposed to PFAS through food, but PFAS in food, including the types of individual PFAS found within various foods and food products and the potential toxicity of less well-studied PFAS found in food are emerging areas of research. An additional challenge of PFAS is communicating their toxicological hazards and potential health risks from various exposure pathways. This colloquium will address these important information gaps in PFAS science and provide an opportunity for discussion.

Schedule (all times Eastern US, UTC -5)

9:00 am–9:10 am (10 min)
Welcome
Cynthia Rider, PhD, DABT, SOT Vice President, NIEHS-NTP, Research Triangle Park, NC

9:10 am–9:30 am (20 min)
General Introduction and Overview of PFAS and the Need to Grow Emerging Concepts in Their Hazard Identification and Exposure Assessment
Jamie DeWitt, PhD, Oregon State University, Corvallis, OR

9:30 am–10:15 am (45 min)
From Fields to Food: Uncovering Dietary Sources of PFAS
Noelle DeStefano, PhD, Eurofins, Raleigh, NC

10:15 am–10:30 am Break (15 min)

10:30 am–11:15 am (45 min)
Use of New Approach Methodologies to Address Data Gaps for PFAS Compounds: A Case Study
Penelope Rice, PhD, DABT, US FDA HFP, College Park, MD

11:15 am–11:45 am (30 min)
Communicating PFAS Health Risks: Approaches from the Agency for Toxic Substances and Disease Registry
Brittany Szafran, DVM, PhD, ATSDR, Chamblee, GA

11:45 am–12:45 pm
Roundtable Discussion
Moderator: Jessica Camacho, PhD, US FDA, College Park, MD
All speakers