

Workshop 1

Science to Policy Change for Healthier People & Planet

Date: Sunday, October 4, 2026

Time: 12 - 4 pm

Presented by: Arlene Blum, Founder, Green Science Policy Institute; Dr. Miriam Diamond, Professor, University of Toronto



Workshop participants will learn how planning impactful research and effectively communicating the results with decision-makers and the public can contribute to improved policies to reduce harmful chemical exposures for healthier products, people, and environment.

The session will begin with examples of past successful science to policy case studies:

1. Research on harmful flame retardants in juvenile products and furniture contributed to changing regulations so that flame retardants are no longer used in these products in the U.S. and Canada.
2. Research and meetings with manufacturers on PFAS in food packaging, carpeting, cosmetics, textiles, and outdoor apparel contributed to phasing out PFAS in products.
3. The San Antonio, Madrid, and Florence Statements documented scientific consensus on reducing the use of organohalogen flame retardants, PFAS, and two antimicrobials. These statements, published in *Environmental Health Perspectives*, brought concerns about these chemicals to a wide audience and provided a basis for health protective action.

This workshop will then ask, “Are antimicrobials the new PFAS?” Scientists will share new research results and current policy directions on antimicrobials. One example is a proposed “Vancouver Statement on Antimicrobials” documenting the problematic use of antimicrobials in consumer products and their harm—especially their contribution to the global antimicrobial resistance crisis. Participants will discuss the Statement and how they can contribute to reducing the adverse impacts of antimicrobials.

This workshop will be led by Arlene Blum, founder of the Green Science Policy Institute, which carries out scientific research to change government policy and business practices to reduce chemical harm.

Keywords: Science; Policy; Communication; Antimicrobial; PFAS; Flame retardant

Workshop 2

Understanding High Resolution Mass Spectrometry-based Exposomics From Samples to Data Interpretation

Date: Sunday, October 4, 2026

Time: 12 pm - 4 pm

Presented by: Dr. Randolph Singh, Assistant Professor, Columbia University; Dr. Jeremy Koelmel, Research Associate, Yale University; Dr. Douglas Walker, Associate Professor, Emory University



Untargeted high-resolution mass spectrometry (HRMS) has become the major approach for measuring the chemical exposome and understanding how it modifies endogenous biology.

This workshop will provide participants with a practical overview of the core concepts underlying high-resolution mass spectrometry (HRMS)-based exposomics workflows. The session will walk attendees through the major steps involved in designing and executing an HRMS exposomics study, beginning with considerations for sample collection and preparation to preserve diverse environmental chemicals across biological and environmental matrices. Participants will learn how to select fit-for-purpose chromatographic strategies such as liquid and gas chromatography to maximize coverage of chemically diverse compounds, and how these separations integrate with modern HRMS platforms to enable both targeted and non-targeted analyses.

The workshop will also discuss key factors in selecting appropriate mass spectrometry acquisition strategies, including full-scan and data-dependent or data-independent MS/MS approaches, to support comprehensive detection and structural characterization of unknown compounds. In addition, the session will introduce widely used software tools and computational resources for HRMS data processing, including workflows for feature detection, spectral deconvolution, annotation, and chemical identification. Emphasis will be placed on practical decision-making, common challenges, and best practices that influence data quality and interpretability. By the end of the workshop, participants will gain a conceptual framework for planning HRMS-based exposomics studies and will be familiar with the analytical and computational tools available to support comprehensive environmental exposure assessment.

Workshop 3

From Data to Impact: Building An Effective Digital Media Presence for Exposure Scientists

Date: Sunday, October 4, 2026

Time: 12 pm - 4 pm

Presented by: Aline Maybank, Environmental Health Research Associate & SciComm Creator (@AlineTheSoybean), George Washington University, Milken Institute School of Public Health & University of British Columbia, School of Medicine; Dr. Kelvin Fong, Assistant Professor, George Washington University, Milken Institute School of Public Health



As scientists confront rising misinformation and declining public trust, there is an urgent need to communicate research clearly on the digital platforms where we consume news and health information. We will fill this need with an interactive, hands-on workshop, training participants to translate exposure science into effective social media content that effectively disseminates research findings and builds public trust.

The workshop will begin with a brief overview of the current digital media landscape, including common misinformation dynamics and platform-specific communication styles (TikTok, Instagram, YouTube, and Threads). Participants will then learn a practical framework for transforming peer-reviewed research into accessible, engaging short-form and long-form content while maintaining scientific accuracy.

Through guided exercises, attendees will:

- Develop a clear digital communication goal aligned with their research area
- Identify their target audience and refine messaging for clarity and impact
- Draft a short-form video script translating a complex exposure science concept
- Practice basic filming techniques and low-effort production strategies
- Learn platform optimization strategies (formatting, captions, timing, engagement metrics)

Participants will leave with a plan and/or drafted piece of ready-to-post content and a step-by-step template for sustaining a professional online presence. The workshop is designed for students, early-career researchers, and established scientists seeking practical tools to bridge science and society.

By empowering exposure scientists to engage directly with communities, this workshop advances the conference theme of collaborative science for healthier people and stronger communities.

Keywords: 1. Science Communication 2. Digital Media 3. Public Outreach 4. Social Media 5. Knowledge Translation

Workshop 4

Solving What No One Can Solve Alone | A half-day workshop focused on:

Collaborating to Address Complex Environmental Health Challenges

Date: Sunday, October 4, 2026

Time: 12 pm - 4 pm

Presented by: L. Michelle Bennett, PhD, Principal and Owner, L.M. Bennett Consulting, LLC



"The most important environmental health challenges of our time will not be solved by individual investigators working in isolation."

Environmental health challenges are increasingly complex, interconnected, and urgent. Addressing them requires perspectives, expertise, and partnerships that extend beyond any single discipline, sector, institution, or country. Yet many of the most promising ideas never move forward because the right people never find one another, and opportunities for meaningful collaboration are often limited by traditional conference formats.

This highly interactive half-day workshop creates space for participants to explore the challenges, questions, and opportunities they believe are most important for advancing environmental health research and its impact on society. Rather than following a predetermined agenda, participants will help shape the conversation, identify priority topics, and engage with others who share their interests, expertise, and ambitions. Through a series of facilitated discussions, attendees will have the opportunity to exchange ideas, discover complementary perspectives, explore emerging research directions, and identify opportunities for collaboration across disciplines and sectors. Conversations may spark new research questions, strengthen existing concepts, generate innovative approaches to persistent challenges, or lay the groundwork for future partnerships and funding opportunities.

Whether you are seeking collaborators, fresh perspectives, new ideas, or renewed energy for your work, this workshop offers an opportunity to connect with others who are committed to advancing environmental health through collaboration. Participants will leave with new relationships, expanded thinking, and practical pathways for turning promising ideas into collective action.