

# Novel Synthetic Drug Threat Symposium



**When: November 11-13, 2024**

**Where: Science History Institute, Philadelphia, USA (Hybrid)**

**Registration: \$800 (In-Person & Virtual)**



CFSRE and NPS Discovery present the 2024 Novel Synthetic Drugs Threat Symposium, November 11-13, 2024, in Philadelphia. This is the year's only global forum on the drug threat topic that encompasses: global NPS trends, updates on the toxicology of the latest emerging drugs, laboratory approaches for early identification of new and emerging illicit substances, novel surveillance strategies for new drugs, public health harm reduction testing for NPS, and clinical and forensic expert panels reviewing the adverse effects of the newest emerging drugs. The event consists of ten panels of experts from around the world invited to share their specific expertise. This hybrid event will be offered live at the Science History Institute in downtown Philadelphia, Pennsylvania, USA, and virtually online in real-time.

## **November 11, 2024** **The NPS Landscape & Beyond**

**Welcome**

**Barry Logan PhD, CFSRE**

**Program 1**

**International Trends**

Australia  
North America  
Europe  
Africa  
Asia

**Session Chair, Barry Logan PhD, CFSRE**

Jennifer Schumann PhD, EDNA  
Alex Krotulski PhD, CFSRE  
Michael Evans-Brown PhD, EUDA  
Prince Sellase Gameli, UnivPM  
Wendy Lee, Singapore HSA

**Program 2**

**Emerging Threats and Future NPS**

Prophetic Drug Synthesis  
Novel Synthetic Opioids and Cannabinoids  
Prophetic Drugs: Potential New Drug Classes

**Session Chair, Simon Elliott PhD, Elliott Forensic Consulting**

Christophe Stove PhD, University of Ghent  
Alex Krotulski PhD, CFSRE  
Istvan Ujvary PhD, Budapest University

**Program 3**

**NPS Trafficking & Surveillance**

Wastewater NPS Surveillance  
Interdiction Initiatives on NPS Drugs in Shipping

**Session Chair, Mandi Mohr MSFS, CFSRE**

Richard Bade PhD, University of Queensland  
Dave Fluty, U.S. Customs & Border Protection

**November 12, 2024**

## **Laboratory Support for Emerging Drug Threat Investigations**

**Program 4 NPS Identification, Challenges, and Resources**

Standards and Reference Materials  
Analytical Methods - LCMS to QTOF  
Adulterants & Synthetic Drug Mixtures

**Session Chair, Joshua DeBord PhD, CFSRE**

Donna Iula PhD, Cayman Chemical  
Sara Walton MSFT, CFSRE  
Thom Browne, Colombo Plan

**Program 5 NPS Pharmacological Threat Assessment**

Drug Potency Assessment (In Vitro and In Vivo)  
Sentinel NPS Cases w/o Pharmacology Data  
NPS Pharmacology and Adverse Effects

**Session Chair, Barry Logan PhD, CFSRE**

Michael Baumann PhD, NIDA  
Donna Papsun MS, NMS Labs  
Barry Logan PhD, CFSRE

**Program 6 NPS Outbreak Adverse Event Testing**

Cathinone Outbreaks in Florida  
Nitazene Outbreak in Ireland  
Synthetic Cannabinoid Outbreaks

**Session Chair, Donna Papsun MS, NMS Labs**

Bruce Goldberger PhD, University of Florida  
Nicki Killeen PhD, National Science Office  
Robert Middleberg PhD, NMS Labs

**November 13, 2024**

## **Legislation and Policy & Clinical and Forensic Round Tables**

**Program 7 Synthetic Drugs, Policy, and Legislation**

International Controls and WHO Scheduling  
NPS Precursor Controls  
Drug Scheduling Impacts on NPS Trends

**Session Chair, Alex Krotulski PhD, CFSRE**

Simon Elliott PhD, Elliott Forensic Consulting  
Sandra Ferreira, Canada Border Services  
Mandi Mohr MSFS, CFSRE

**Program 8 Public Health Drug Checking & Harm Reduction**

Analytical Approaches & Data Management  
Drug Checking in Public Health and Harm Reduction  
The Drug Checking Program Experience in Canada

**Session Chair, Sherri Kacinko PhD, NMS Labs**

Joshua DeBord PhD, CFSRE  
Daniel Teixeira da Silva MD, Philadelphia DPH  
Karen McDonald, Toronto Drug Checking

**Program 9 NPS Clinical Case Round Table**

A panel of our medical toxicology colleagues will describe and discuss their experience of diagnosing and treating overdoses and adverse events/outbreaks resulting from NPS use, in the emergency room.

**Moderator, Timothy Wiegand, University of Rochester Medical Center**

Lewis Nelson MD, Rutgers NJ Medical School  
Alex Manini MD, Mount Sinai Center  
Joseph D'Orazio MD, Rowan University  
Alex Krotulski PhD, CFSRE

**Program 10 NPS Postmortem Case Round Table**

A panel of forensic pathologists will share their experience of investigating, interpreting toxicology results and certifying deaths in cases involving NPS use and combined drug overdose.

**Moderator, MJ Menendez JD, CFSRE**

Lorenzo Gitto MD, Cook County ME Office  
Donna Papsun MS, NMS Labs

