# SYNTHETIC OPIOIDS AND THE OVERDOSE EPIDEMIC:
TACKLING ANALYTICAL ISSUES AT THE BENCH AND BEYOND

October 30th – 31st • Ann Arbor Marriott Ypsilanti at Eagle Crest

## DAY 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Registration</td>
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<tr>
<td>8:15 am</td>
<td>OPENING REMARKS</td>
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</tbody>
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### SESSION 1

#### IDENTIFYING THE CRISIS AND CURRENT RESPONSE

- Identify trending synthetic opioids
- Discuss concerns of first responders, law enforcement, and the forensic labs in terms of evidence handling, safety, and emerging threats
- Identify poly-drug mixtures, sample matrices, and adulterants being encountered in the forensic laboratories and the challenges that this has posed for analysis of drug evidence

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am</td>
<td><strong>The New Landscape of Novel Opioids: Challenges and Opportunities</strong></td>
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<tr>
<td>9:30 am</td>
<td><strong>Fentanyl and Fentalogues - Intelligence and Effects on Operations</strong></td>
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<tr>
<td>10:05 am</td>
<td><strong>Synthetic Opioids in Michigan: Opioid Casework Trends and Safety Policy in the Michigan State Police Forensic Laboratories</strong></td>
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<tr>
<td>10:40 am</td>
<td>BREAK</td>
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<tr>
<td>11:00 am</td>
<td><strong>Strategies for the Trace Detection of Synthetic Opioids</strong></td>
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<tr>
<td>11:30 am</td>
<td><strong>PANEL DISCUSSION</strong></td>
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</tbody>
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Noon LUNCH
SESSION 2

AVAILABLE RESOURCES AND THEIR APPLICATIONS

- New methods development and the associated validation processes to identify new drugs and drug metabolite characterization, identification, and quantitation
- Tools and methods to increase confidence and reduce time of identification of emerging drugs
- Novel approaches to improve analytical capacity and enhance timeliness of analytical results
- Resources available from industry to provide reference materials, tools, and technologies to forensic laboratories

1:00 pm  
**Overview of Drug Deaths in Wayne County, MI**  
Keynote Address  
**CARL J SCHMIDT, M.D., M.P.H.**  
Wayne County Medical Examiner’s Office

2:00 pm  
**Mass Spectrometry Libraries for the Identification of Novel Psychoactive Substances**  
**WILLIAM E WALLACE, PH.D.**  
National Institute of Standards and Technology

2:20 pm  
**Chemical Metrology to Address Forensic Community Needs**  
**JEANITA PRITCHETT, PH.D.**  
National Institute of Standards and Technology  
**AARON URBAS, PH.D.**  
National Institute of Standards and Technology

2:55 pm  
**Working Together to Combat the Opioid Crisis**  
**AGNES D WINOKUR**  
Drug Enforcement Administration

3:15 pm  
**PANEL DISCUSSION**  
Panel to include all Session 2 Speakers

3:45 pm  
**BREAK**

4:05 pm  
**All Hands on Deck: Industry’s Role in Responding to the Opioid Crisis**  
**DONNA M IULA, PH.D.**  
Cayman Chemical Company

4:25 pm  
**INDUSTRY DISCUSSION**  
Panel to include Industry speakers to discuss tools, technologies, and product applications available to address the current analytical challenges

5:05 pm  
**DAY 1 RECAP**

6:00 pm  
**SPEAKERS’ RECEPTION**  
Casual cocktail hour  
- All registrants are invited to attend

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DAY 2

8:00 am  Registration | Arrival | Breakfast

SESSION 3  SYNFETIC TRENDS AND FUTURE OUTLOOK

- Discuss how we can use what is currently known to be able to predict where synthetic chemists may take us next
- Communication of and research needed to understand drug exposure impacts and dosage levels
- Collaborative mechanisms, including public and private partnerships, that would benefit the toxicology and drug enforcement communities

8:30 am  ‘New’ synthetic opioids: charms and harms from a medicinal chemistry point of view

Keynote Address
ISTVAN UJVARY, PH.D.
iKem BT and Budapest University of Technology & Economics

9:30 am  Acute intoxications involving designer fentanyl and other new psychoactive substances: Experiences from the STRIDA project

ANDERS HELANDER
Karolinska Institutet

10:00 am  Identifying Novel Fentanyl: Building Collaborative Systems to Identify Evolving Threats

MJ MENENDEZ  JAYNE MORROW, PH.D.
Assistant US Attorney, Colorado  National Institute of Standards and Technology

10:35 am  BREAK

10:55 am  Using Forensic Science Data to Understand the Drug Environment

CAPT. JUAN COLON
New Jersey State Police

11:25 am  Panel Discussion
Panel to include all Session 3 Speakers

12:25 pm  ADJOURN
Followed by lunch from 12:30 – 1:30 pm

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