Workshop 2: Cannabis Impaired Driving: Where are we in 2020?

Date: Tuesday, September 22, 2020
Time: 7:00 am - 3:00 pm PDT

Cost:

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<th>MEMBER RATES</th>
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<td>Early Bird Registration August 5 – August 31</td>
<td>Late Registration Begins September 1</td>
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Chairs
Rebecca L. Hartman
Chief Toxicologist
Monroe County Medical Examiner’s Office
rebeccahartman@monroecounty.gov

Nathalie A. Desrosiers
Team Leader, Toxicology Services
Royal Canadian Mounted Police
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Abstract
(SOFT Drugs and Driving Committee sponsored workshop) Over the last decade, our understanding of cannabinoids has been revolutionized as patterns of use have changed in the modern era of decriminalization and legalization. Concentrations once thought to indicate recent use and impairment may now cause unease in toxicologists interpreting them. This workshop aims to present the newest cannabis impaired driving data from around the world. Leading researchers will present their latest findings to assist toxicologists in answering some of the most difficult questions related to cannabis-impaired driving. What impact does cannabis have on driving? What is the impact of THC content on impairment? What is the impact of tolerance on the degree of impairment? What is the effect of cannabidiol on driving? What can you say about post-mortem cannabinoid concentrations? Should we be concerned about other THC isomers? Attendees should leave this workshop confidently knowing how to address these questions.

Learning Objectives
1. After attending this workshop, participants will be familiarized with the newest data related to cannabis-impaired driving.
2. After attending this workshop, participants will better understand the impact of cannabidiol (CBD) on THC and driving impairment.
3. After attending this workshop, participants will understand the limitations associated with interpreting cannabinoids in impaired driving cases.
Faculty
Johannes Ramaekers
Professor of Psychopharmacology and Behavioral Toxicology
Maastricht University

Thomas Marcotte
Professor of Psychiatry
University of California, San Diego Center for Medicinal Cannabis Research

Marilyn Huestis
Professor
The Lambert Center for the Study of Medicinal Cannabis and Hemp

Thomas Arkell
PhD Candidate, Lambert Initiative for Cannabinoid Therapeutics
The University of Sydney

Lindsay Arnold
Researcher, Traffic Research Group
AAA Foundation for Traffic Safety

Robert Fitzgerald
Professor of Chemistry and Toxicology
University of California, San Diego Center for Medicinal Cannabis Research

Dan Isenschmid
Forensic Toxicologist
NMS Labs

Aya Chan-Hosokawa
Forensic Toxicologist
NMS Labs

Megan Grabenauer
Research Chemist
RTI International Center for Forensic Sciences

Ryan Vandrey
Professor, Behavioral Pharmacology Research Unit
Johns Hopkins University

Audience Knowledge Level
Intermediate - Involves more advanced concepts requiring some technical working knowledge or prior exposure to the subject matter.

Workshop Agenda
7:00-7:05 am: Welcome and Introduction
Rebecca Hartman, Nathalie Desrosiers
7:05-7:45 am: Cannabis and Driving: Current Issues and Future Perspectives
Jan Ramaekers
7:45-8:00 am: Break
8:00-8:40 am: Detection of Acute Cannabis Use and its Effects on Driving Performance
Thomas Marcotte
8:40-9:20 am: Cannabinoids Effects on Human Performance Impairment and the Best DRE Parameters for Efficient Identification
Marilyn Huestis
9:20-9:50 am: Break
9:50-10:30 am: Effects of Cannabis, with and without Cannabidiol, on Driving and Cognition
Thomas Arkell
10:30-10:55 am: Cannabis and Driving: Brain Activity and Cognition of Recreational and Daily Cannabis Users
Jan Ramaekers
10:55-11:15 am: Break
11:15-11:40 am: Effects of Edible and Vaporized Cannabis on Human Performance
Ryan Vandrey
11:40 am-12:15 pm: Cannabis Use Among Drivers in Fatal Crashes in Washington State Before and After Legalization
Lindsay Arnold
12:15-12:45 pm: Break
12:45-1:25 pm: Recent Markers of Cannabis Use Relative to Driving Performance
Robert Fitzgerald
1:25-1:50 pm: Post-mortem THC Redistribution: Can we interpret post-mortem THC?
Dan Isenschmid
1:50-2:10 pm: The Emergence of Delta-8-Tetrahydrocannabinol
Aya Chan-Hosokawa
2:10-2:30 pm: Break
2:30-3:00 pm: Panel Discussion/Q&A