

Robert F. Borkenstein Center for Studies of Law in Action

**The Effects of Drugs on Human Performance and Behavior
September 23rd – 27th, 2019**

***Westin Long Beach
Long Beach, CA***

*Executive Director: Barry K Logan
Associate Course Director: Patrick Harding
Course Manager: Joseph Turner
Course Administrator: Chelsea Opperman*

Sunday, September 22nd

4:00 - 6:00 pm

Registration – Westin Long Beach

Monday, September 23rd

7:15 – 8:00am

Registration – Westin Long Beach

Continental Breakfast provided

8:00 – 8:45

Welcome and DUID Overview

Joseph Turner, Course Manager

8:45 – 9:30

DUID and Overview of Approaches to Drug Impaired Driving Casework

Barry K. Logan, PhD, The Center for Forensic Science Research and Education

9:30 – 9:45 – **BREAK**

9:45 – 10:45

The Drug Recognition Expert (DRE) Program

Kyle Clark, International Association of Chiefs of Police

10:45 – 11:00 – **BREAK**

11:00 – 12:00

The Drug Recognition Expert (DRE) Program: Validation Studies

Douglas Beirness, PhD, Canadian Drug and Alcohol Research Team, Ottawa, ON;
Canadian Centre on Substance Abuse and Addiction

12:00 – 1:00 – **LUNCH on your own**

1:00 – 2:30

I. Principles of Pharmacology and Drug Effects – Introduction/Review

II. Principles of Pharmacology and Drug Effects – Stimulants and Hallucinogens

Lionel Raymon, PhD, NOVA Southeastern

2:30 – 2:45 – **BREAK**

2:45 – 3:45

Cocaine and Methamphetamine: Effects on Human Performance and Behavior

Daniel Isenschmid, PhD, NMS Labs

3:45 – 4:00 – **BREAK**

4:00 – 5:00

MDMA, NPS and Other Stimulants: Effects on Cognitive Function and Actual Driving

Jan Ramaekers, PhD, Maastricht University, the Netherlands

6:00 – 9:00

Social Hour, Welcome Dinner and Cash Bar

Tuesday, September 24th

7:15 – 8:00 am

Continental Breakfast provided

8:00 – 8:45

Principles of Pharmacology and Drug Effects – Cannabinoids

Lionel Raymon, PhD, NOVA Southeastern

8:45 – 9:30

Cannabis: Effects on Human Performance and Behavior

Marilyn Huestis PhD, Huestis and Smith LLC, Baltimore MD

9:30 – 9:45 – **BREAK**

9:45 – 11:00

Cannabis: Effects on Human Performance and Behavior (continued)

11:00 – 11:15 – **BREAK**

11:15 – 12:15

Cannabis: Effects on Human Performance and Behavior- Driving Simulator Research

Nathalie Desrosiers, PhD, Centre of Forensic Sciences, Toronto, ON, Canada

12:15 – 1:15– **LUNCH on your own**

1:15 – 2:15

On Road Driving Studies: Cannabis

Jan Ramaekers, PhD, Maastricht University, the Netherlands

2:15 – 2:30 – **BREAK**

2:30 – 3:45

Synthetic Cannabinoids, Bath Salts and NPS' - Effects on Behavior and Performance

Barry K. Logan, PhD, The Center for Forensic Science Research and Education

3:45 – 4:00 – **BREAK**

4:00 – 5:00

Online Resources and Literature Searching for Drug-impaired Driving

Jeff Teitelbaum, MLIS, Washington State Patrol Crime Lab, Seattle WA

Wednesday, September 25th

7:15 – 8:00 am

Continental Breakfast provided

8:00 – 8:45

Principles of Pharmacology and Drug Effects – Opiates

Lionel Raymon, PhD, NOVA Southeastern

8:45 – 9:00 – **BREAK**

9:00 – 10:15

Opioids: Effects on Human Performance and Behavior

Dani Mata, Orange County Crime Lab, Santa Ana, CA

10:15 – 10:30 – **BREAK**

10:30 – 11:15

Principles of Pharmacology and Drug Effects – Benzodiazepines and CNS Depressants

Lionel Raymon, PhD, NOVA Southeastern

11:15 – 12:15

Carisoprodol, Butalbital and Other Depressants: Effects on Human Performance and Behavior

Daniel Isenschmid, PhD, NMS Labs

12:15 – 1:15 – **LUNCH on your own**

1:15 – 2:30

Benzodiazepines, Zolpidem and other Imidazopyridines and Driving Impairment

Luke Rodda, Ph.D., Office of the Chief Medical Examiner, San Francisco, CA

2:30 – 3:00 – **BREAK and CLASS PHOTOGRAPH**

3:00 – 4:30

Faculty Q&A Panel

5:00 – 7:00

Wine and Cheese Reception

Sponsored by the Center for Forensic Science Research and Education

Thursday, September 26th

7:15 – 8:00 am

Continental Breakfast provided

8:00 – 9:15

CNS Depressants: Antidepressants and Anxiolytics – On-Road Driving Studies

Jan Ramaekers, PhD, Maastricht University, The Netherlands

9:15 – 9:30 – **BREAK**

9:30 – 10:30

National Trends in DUID Laws

Jacob Nelson, AAA, Washington, DC

10:30 – 10:45 – **BREAK**

10:45 – 12:00

National Safety Council Recommendations for Drug Testing in DUID Investigations

Barry K. Logan, PhD, The Center for Forensic Science Research and Education

12:00 – 1:00 – **LUNCH on your own**

1:00 – 2:00

Legalizing Cannabis in Canada: Implications for Drugged Driving

Douglas Beirness, PhD, Canadian Drug and Alcohol Research Team, Ottawa, ON;
Canadian Centre on Substance Abuse and Addiction

2:00 – 2:15 – **BREAK**

2:15 – 3:30- *Breakout sessions- choose one*

I. Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects

Bruce Goldberger, Ph.D., University of Florida College of Medicine

II. DRE Moot Court Exercise

Joseph Turner, Muncie, Indiana; Clay Abbott, Traffic Safety Resource Prosecutor,
Austin, TX; Deandra Grant, Hamilton Grant PC, Dallas, TX, MJ Menendez, CFSRE

3:30 – 3:45 – **BREAK**

3:45 – 5:00

- I. **Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects (continued)**
- II. **DRE Moot Court Exercise (continued)**

Friday, September 27th

7:15 – 8:00 am

Continental Breakfast provided

8:00 –9:15

Presenting Drug Impairment Evidence in Court – Prosecution Perspective

Clay Abbott, Traffic Safety Resource Prosecutor, Austin, TX

9:15 – 9:30 – **BREAK**

9:30 – 10:30

Presenting Drug Impairment Evidence in Court – Defense Perspective

Deandra Grant, JD, GC, MS, Hamilton Grant PC, Dallas, TX

10:30 – 10:45 – **BREAK**

10:45 – 11:45

Presenting Drug Impairment Evidence in Court – Toxicologist Perspective

Ariana Adeva, Orange County Crime Lab, Santa Ana, CA

11:45 - Noon

Wrap Up and Presentation of Certificates

Joseph Turner & Barry Logan