

**Indiana University**  
**Robert F. Borkenstein Center for Studies of Law in Action**  
**The Effects of Drugs on Human Performance and Behavior**  
**April 10<sup>th</sup> – 15<sup>th</sup> 2011**

***Indiana Memorial Union - Frangipani Room***

***Sunday, April 10th***

11:00- noon  
Registration

Noon – 12:15  
Introduction and Welcome  
Jere Joiner, CSLA Course Director

12:15 – 1:15  
DUID and Overview of Approaches to Drug Impaired Driving Casework  
Barry K. Logan, NMS Labs, Willow Grove, PA, CSLA Executive Director

1:15-1:30 – **BREAK**

1:30 – 2:30  
The Drug Recognition Expert (DRE) Program in the USA  
Joseph Turner, DRE Indiana

2:30 – 2:45 – **BREAK**

2:45 – 3:45  
DRE Program, SFSTs  
Joseph Turner, Cont'd.

3:45 – 4:00 – **BREAK**

4:00 – 5:00  
The Toxicologist Role in the DUID case from Start to Finish: From the Traffic Stop to Court  
H. Chip Walls, University of Miami

6:00 p.m. – 8:00pm  
WELCOME DINNER  
IMU State Room East/West

***Monday, April 11th***

8:00 – 9:00  
Principles of Pharmacology and Drug Effects – Stimulants and Hallucinogens  
Lionel Raymon, University of Miami

9:00 – 9:15 – **BREAK**

9:15 – 10:30  
MDMA– Effects on Actual Driving Performance  
Jan Ramaekers, Maastricht University, The Netherlands

10:30 – 10:45 – **BREAK**

10:45 – Noon

Amphetamines: Effects on Human Performance and Behavior

Barry K. Logan, NMS Labs, CSLA Executive Director

Noon – 1:00 – **LUNCH**

1:00 – 2:30

Cocaine: Effects on Human Performance and Behavior

Dan Isenschmid, Wayne County (Detroit) Medical Examiners Office

2:30 – 2:45 – **BREAK**

2:45 – 3:45

Hallucinogens and Dissociative Drugs: Effects on Human Performance and Behavior

Amy Cochems, Wisconsin State Laboratory of Hygiene

3:45 – 4:00 – **BREAK**

4:00 – 5:00

Inhalants and Driving Impairment

Barry K. Logan, NMS Labs, Willow Grove PA, CSLA Executive Director

## ***Tuesday, April 12<sup>th</sup>***

8:00 – 9:00

Principles of Pharmacology and Drug Effects – Benzodiazepines and Opiates

Lionel Raymon, University of Miami

9:00 – 9:15 – **BREAK**

9:15 – 10:45

Benzodiazepines and Driving Impairment

H. Chip Walls, University of Miami

10:45 – 11:00 – **BREAK**

11:00 – Noon

Zolpidem and other Imidazopyridines

Amy Cochems, Wisconsin State Laboratory of Hygiene

Noon – 1:00 – **LUNCH**

1:00 – 2:00

Selected CNS Depressants: Effects on Human Performance and Behavior

Barry K. Logan, NMS Labs, Willow Grove PA, CSLA Executive Director

2:00 – 2:15 – **BREAK**

2:15 – 3:15

CNS Depressants: Antidepressants and Anxiolytics – On Road Driving Studies

Jan Ramaekers, Maastricht University, The Netherlands

3:15 – 3:30 - **BREAK**

3:30 – 5:00

Opiates: Effects on Human Performance and Behavior  
Karen Scott, University of Glasgow, Scotland

***Wednesday, April 13<sup>th</sup>***

8:00 – 9:00

Principles of Pharmacology and Drug Effects – Cannabis  
Lionel Raymon, University of Miami

9:00 – 9:15 – **BREAK**

9:15 – 10:30

Marijuana: Effects on Human Performance and Behavior  
Marilyn Huestis, NIDA, NIH

10:30 – 10:45 – **BREAK**

10:45 – noon

Marilyn Huestis, NIDA, NIH, Cont'd.

Noon – 1:00 – **LUNCH**

1:00 – 2:30

On Road Driving Studies: Cannabis  
Jan Ramaekers, Maastricht University, The Netherlands

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

3:00 – 4:30

Faculty Q&A Panel

5:00 – 6:30

IU Criminal Justice Department Wine and Cheese reception  
TBD

***Thursday, April 14<sup>th</sup>***

8:00 – 9:00

Synthetic Cannabinoids and Designer Drugs – Impact on DUID  
Barry K. Logan, NMS Labs, CSLA Executive Director

9:00 – 9:15 – **BREAK**

9:15 – 10:45

DUID Information Resources and Online Research  
Jeff Teitelbaum, MLIS, Librarian and Information Specialist, Washington State Toxicology Laboratory,  
Seattle WA

10:45-11:00 – **BREAK**

11:00– 12:00

History and Future of DRE Program in the United States  
Chuck Hayes, IACP

12:00 – 1:00 - **LUNCH**

1:00 – 2:15

Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects  
Bruce Goldberger, University of Florida

2:15 – 2:30 – **BREAK**

2:30 – 3:30

Bruce Goldberger, University of Florida, Cont'd.

3:30 – 3:45 - **BREAK**

3:45 – 4:45

Bruce Goldberger, University of Florida, Cont'd.

### ***Friday April 15<sup>th</sup>***

8:00 –9:15

DUID Defense Approaches and Tactics  
Todd Landgren, Criminal Defense Lawyer, Anaheim CA

9:15 – 9:30 – **BREAK**

9:30 – 10:45

Presenting Drug Impairment Evidence in Court  
Stephen Talpins, Institute for Behavior and Health, Bethesda MD

10:45 – 11:00 – **BREAK**

11:00 – Noon

Presenting Drug Impairment Evidence in Court  
Stephen Talpins, Institute for Behavior and Health, Cont'd.

Noon – 12:15

Wrap up and presentation of certificates  
Jere Joiner, Course Director