POSTMORTEM INTERPRETIVE TOXICOLOGY

Course Schedule | June 13-17, 2016

Dr. Barry K. Logan, Executive Director, CFSRE
Chelsea Opperman, Course Administrator, CFSRE

All sessions will be held at the Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia PA

Monday, June 13th, 2016

7:45 am  Light breakfast provided
8:00 – 8:10  Welcome, Goals and Objectives  
Barry K. Logan, PhD, F-ABFT, Executive Director, Center for Forensic Science Research & Education;
8:10 – 9:30  Keynote: Structured Approaches to Forensic Toxicology Casework  
Graham Jones, PhD, F-ABFT, Chief Toxicologist, Alberta Medical Examiner’s Office, Edmonton, Alberta, Canada
9:30 – 9:45  Break
9:45 – 11:00  Pharmacokinetics and Pharmacodynamics – A Review  
Edward Barbieri, PhD, Assistant Laboratory Director, NMS Labs, Willow Grove, PA
11:00 – 11:15  Break
11:15–12:30  Cytochrome P450 System and Drug/Drug Interactions  
Edward Barbieri, PhD, Assistant Laboratory Director, NMS Labs, Willow Grove, PA
12:30 – 1:30  Lunch
1:30 – 3:00  Postmortem Redistribution of Drugs and Specimen Collection  
Barry K. Logan, PhD, F-ABFT, Executive Director, The Center for Forensic Science Research & Education; Vice President of Forensic Science Initiatives and Chief of Forensic Toxicology, NMS Labs, Willow Grove, PA
3:00 – 3:20  Break
3:20 – 5:00  Death Scene Investigation and the Forensic Autopsy in Drug Related Death  
Charles F. Siebert, Jr., MD, President, CFS Forensic Services, Mays Landing, New Jersey, and Assistant Medical Examiner for Gloucester, Salem, Camden and Burlington Counties, New Jersey
Tuesday, June 14th, 2016

7:45 am  Light breakfast provided

8:00 – 9:30  **Postmortem Alcohol Toxicology, Diabetic and Alcoholic Ketoacidosis, and Insulin Toxicity**  
Laura M Labay, PhD, F-ABFT, D-ABCC (TC), Director, Toxicology Services NMS Labs, Willow Grove, PA

9:30 – 9:45  Break

9:45 -10:45  **Heavy Metals Toxicology**  
Lee Blum, PhD, F-ABFT, Assistant Laboratory Director, NMS Labs, Willow Grove, PA

10:45 – 11:00  Break

11:00 – 12:00  **Carbon Monoxide, Cyanide and Hydrogen Sulphide**  
Lee Blum, PhD, F-ABFT, Assistant Laboratory Director, NMS Labs, Willow Grove, PA

12:00 – 1:00  Lunch

1:00 – 2:15  **Hypnotics and Sedatives – Pharmacology and Toxicity**  
Karen S. Scott, PhD, C. Chem., C. Sci., Director of Forensic Science, Arcadia University, Glenside, PA

2:15 – 2:30  Break

2:30 – 3:45  **Seizures and Anticonvulsant Medications in Postmortem Toxicology**  
Wendy Adams, PhD, F-ABFT, Assistant Laboratory Director, NMS Labs, Willow Grove, PA

3:45 – 4:00  Break

4:00 – 5:00  **Acetaminophen and Aspirin Toxicity**  
Barry K. Logan, PhD, F-ABFT, Executive Director, The Center for Forensic Science Research & Education; Vice President of Forensic Science Initiatives and Chief of Forensic Toxicology, NMS Labs, Willow Grove, PA

Wednesday, June 15th, 2016

7:45 am  Light breakfast provided

8:00 – 9:55  **Antidepressants, Anxiolytics and Antipsychotics – Pharmacology and Toxicity**  
Lucas W. Zarwell, MFS, D-ABFT-FT, Chief Toxicologist, Office of the Chief Medical Examiner, Washington, DC

9:55 – 10:15  Break

10:15 – 12:00  **Toxicology of Opioid Related Deaths**  
Bruce Goldberger, PhD, F-ABFT, Chief, Director and Professor, Department of Pathology, University of Florida, Gainesville, FL

12pm – 1:30  Lunch

1:30 – 2:45  **The Certification of Toxic Death with Case Examples**  
James Gill, MD, Chief Medical Examiner, Office of the Chief Medical Examiner, Farmington, CT

2:45 – 3:00  Break

3:05 – 4:30  **Forensic Toxicology Case Studies**  
Laura M Labay, PhD, F-ABFT, D-ABCC (TC), Director, Toxicology Services, NMS Labs, Willow Grove, PA
Thursday, June 16th, 2016

7:45 am  Light breakfast provided

8:00 – 9:15  **The Poisoned Patient: Diagnosis and Prognosis**  
Lewis Nelson, MD, Director of the Medical Toxicology Fellowship program at New York University School of Medicine, and Associate Director of the New York City Poison Control Center, New York, NY

9:15 – 9:30  Break

9:30 – 10:45  **CNS Stimulant Related Fatalities**  
Barry K. Logan, PhD, F-ABFT, Executive Director, The Center for Forensic Science Research & Education; Vice President of Forensic Science Initiatives and Chief of Forensic Toxicology, NMS Labs, Willow Grove, PA

10:45 – 11:00  Break

11:00 – 12:00  **Over-the-Counter Drugs: NSAIDs, Antihistamines, Dextromethorphan**  
Karen S. Scott, PhD, C. Chem., C. Sci., Director of Forensic Science, Arcadia University, Glenside, PA

12:00 – 1:00  Lunch

1:00-2:30  **Esoterics: Deaths Related to Emerging Novel Psychoactive Substances**  
Sherri Kacinko, PhD, F-ABFT, Forensic Toxicologist, NMS Labs, Willow Grove, PA

2:30 – 2:45  Class Photograph – All Faculty/Students

2:45 – 4:00  **Panel Discussion and Q&A**  
*All Available Faculty*

Friday, June 17th, 2016

7:45 am  Light breakfast provided

8:00 – 9:30  **Special Populations: Pediatric and Geriatric Toxicology**  
Robert A. Middleberg, PhD, F-ABFT, Laboratory Director, NMS Labs, Willow Grove, PA

9:30 – 10:00  Break

10:00 - 11:30  **Biologics and Bioequivalents – What are They and What is their Forensic Significance?**  
Barry K. Logan, PhD, F-ABFT, Executive Director, The Center for Forensic Science Research & Education; Vice President of Forensic Science Initiatives and Chief of Forensic Toxicology, NMS Labs, Willow Grove, PA

11:30 – 12:00  **Distribution of Certificates and Close of Course**  
Dr Logan and Course Staff

1:30 – 4:00  **Board Certification Examination**  
Eligible candidates who have prequalified with the American Board of Forensic Toxicologists (ABFT) may sit for the Board Certification Exams