

SOFT Continuing Education Regional Workshop

WORKSHOP TITLE: Method development and validation workshop

WORKSHOP DATE: June 26-27, 2017

WORKSHOP LOCATION: 401 E Street SW, Washington DC 20024. Consolidated Forensic Laboratory, DC Office of the Chief Medical Examiner

HOTEL LOCATION: Homewood Suites – Washington DC Capitol – Navy Yard, 50 M Street SW, Washington DC 20003, Group rate: \$242+tax/night (rate available through May 25, 2017)

ABSTRACT: This SOFT Continuing Education Regional Workshop will provide Forensic Toxicologists with a practical understanding of the guidelines currently available for the development and validation of methods used by Forensic Toxicology Laboratories. The focus of the workshop will be presentations and discussions, including specific examples, of how various laboratories are applying these guidelines to the validation of new methods or revalidation of old methods.

LEARNING OBJECTIVES:

After attending this course, participants will be able to:

1. Understand and apply the minimum standards for method validation that have been accepted by the Forensic Toxicology Community
2. Understand and perform the statistical analysis required to appropriately evaluate validation data.
3. Develop strategies to meet the standards for method validation and ensure quality results while keeping expenditure of laboratory resources to a minimum.

INSTRUCTORS:

Local Host: Samantha Tolliver, Ph. D
Deputy Chief Toxicologist, Washington DC Office of the Chief Medical Examiner

Marc A. LeBeau, PhD, D-ABFT
Senior Forensic Scientist, FBI Laboratory, Quantico, VA

Ciena Baynard, BS
Forensic Toxicologist, Washington DC Office of the Chief Medical Examiner

Rebecca Stewart, Ph. D
Chemistry Research Analyst, Virginia Department of Forensic Science
Forensic Toxicologist, Virginia Department of Forensic Science

Danylle Kightlinger, BS
Forensic Toxicologist, Washington DC Office of the Chief Medical Examiner

Karl Scheidweiler, Ph. D
Research &Development Lead, Quest Diagnostics

Kevin Schneider, Ph.D
Forensic Toxicologist, Virginia Department of Forensic Science

Sarah H. Bartock, Ph.D
Associate Director of Toxicology, Quest Diagnostics

Audience knowledge level required: Basic Intermediate Advanced

WORKSHOP SCHEDULE

Two Day Workshop

TITLE: Method development and validation workshop

Schedule Day 1

8:00-8:10 am	Welcome & Introduction Dr. Samantha Tolliver and Dr. Jayne Thatcher
8:10-9:10 am	SWG-Tox, validation guidance development, and minimum requirements Dr. Marc LeBeau
9:10 – 10:00 am	Planning the development and validation experiments Ms. Ciena Bayard and Dr. Rebecca Stewart
10:00-10:15 am	Coffee Break
10:15-11:30 am	Planning the development and validation experiments Ms. Ciena Bayard and Dr. Rebecca Stewart
11:30-12:30 pm	Lunch Break
12:30-12:45 pm	Computer Start Up
12:45-1:30 pm	Spreadsheet Familiarization and Utilization Dr. Samantha Tolliver

1:30-2:00 pm	Coffee Break
2:00-3:15 pm	Data Verification part I Dr. Samantha Tolliver
3:15-5:00 pm	Data Verification part II Dr. Samantha Tolliver

Schedule Day 2

8:00-9:00 am	GCMS method development and validation Ms. Danylle Kightlinger
9:00-10:00 am	LCMSMS method development and validation Dr. Sarah Bartock
10:00-11:30am	Coffee Break
11:30-12:30 pm	LC and QTOF method development and validation Dr. Karl Scheidweiler
12:30-1:30 pm	Lunch
1:30-2:30 pm	Qualitative method development and validation Dr. Kevin Schneider
2:30-5:00 pm	Q&A

KEY TERMS:

1. Method Development
2. SWGTOX Guidelines
3. Method Validation