WS05: Forensic Toxicology Validation: Navigating the Latest ANSI/ASB 036 Revisions: Part II
Date: Monday, October 27
Time: 1:30-5:30 PM
Audience Knowledge: Intermediate - Involves more advanced concepts requiring some technical working knowledge or prior exposure to the subject matter
Rates:

Membership	Early Bird (June 25 - Sep 10)	Late (Begins Sept 11)	Onsite (Begins Oct 9)
Member	$150	$175	$200
Student	$150	$175	$200
Non-Member	$200	$225	$250

Workshop Chairs:
Rebecca Wagner, PhD
Becky.Wagner@dfs.virginia.gov
Virginia Department of Forensic Science
Chemistry Research Section Supervisor

Robert Lockwood, PhD
Robert.Lockwood@adfs.alabama.gov
Alabama Department of Forensic Sciences
Senior Forensic Scientist

Abstract
A home cannot be built without a solid foundation and method validation establishes that foundation for forensic toxicology testing. First published as a nationally recognized standard in 2019, ANSI/ASB Standard 036, Standard Practices for Method Validation in Forensic Toxicology has been under re-evaluation for the past two years. During the review process, revisions and updates that directly impact forensic toxicology laboratories have been proposed. The SOFT Applied Analytical Toxicology Committee presents a workshop that aims to provide insights regarding the most recent revisions to ANSI/ASB Standard 036, Standard for Test Method Selection, Development, Validation, and Verification in Forensic Toxicology. Additionally, this workshop will dive into some new and old concepts regarding toxicology validations including false positive and false negative rates, validation when using method of standard addition, and assessing an assays limit of detection for immunoassay. The workshop will conclude with an interactive question and answer session.

Learning Objectives

1. Understand the key revisions to ANSI/ASB Standard 036, Standard for Test Method Selection, Development, Validation, and Verification in Forensic Toxicology.
2. Become familiar with the experimental design for the determination of false positive and false negative rates including data interpretation.
3. Establish an understanding of how method validation is achieved when employing the method of standard addition

Speakers

Marc LeBeau, PhD
Forensic Toxicology Consultant
LeBeau Forensic Toxicology Consulting

Brigitte Desharnais, PhD
Scientific Coordinator for Toxicology Development and Quality Assurance
Laboratoire de sciences judiciaires et de médecine légale

Alex Krotulski, PhD
Director of Toxicology and Chemistry
CFSRE

Rebecca Wagner, PhD
Chemistry Research Section Supervisor
Virginia Department of Forensic Science

Workshop Agenda

Time	Topic	Speaker
1:30-1:45 PM	Introduction	Rebecca Wagner Robert Lockwood
1:45-2:30 PM	From Blueprint to Move-In Ready: Introducing the New Version of ANSI/ASB Standard 036	Marc LeBeau
2:30-3:30 PM	Qualitative Methods' Performance: Assessing False Positives and False Negatives Rates	Brigitte Desharnais
3:30-4:00 PM	Break	
4:00-4:45 PM	When MSA and Validation Collide: Paving the Way for Accurate and Reliable Use of Standard Addition	Alex Krotulski
4:45-5:15 PM	Determining Sensitivity: Estimating the Limit of Detection for Immunoassay	Rebecca Wagner
5:15-5:30 PM	Question and Answer	All Speakers