

**Workshop #14: Laboratory Information Management Systems (LIMS): Streamlining Forensic Toxicology Workflows**

**Date: Tuesday October 29, 2024**

**Time: 1:30-5:30 PM**

**Rates:**

<b>MEMBER RATES</b>		
Early Bird Registration June 26 – September 11 \$150	Late Registration Begins September 12 \$175	On-site Registration Begins October 10 \$200
<b>NON – MEMBER RATES</b>		
Early Bird Registration June 26 – September 11 \$200	Late Registration Begins September 12 \$225	On-site Registration Begins October 10 \$250

**Chairs**

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**Abstract**

Laboratory Information Management System (LIMS) is a software-based program that can be used to make laboratories more efficient. Traditional methods of managing cases can be time-consuming, produce high volumes of paper, and require dedicated secure storage locations to maintain all case records. Modern technology, such as LIMS, is an important tool to hone laboratory processes. Advantages of implementing a LIMS include making the laboratory more efficient, eco-friendly, and reducing human error. LIMS are two-pronged. First, it can be used as a case management system to input and track cases electronically. However, LIMS can also be integrated with modern laboratory instrumentation to store, process, and compile case specific data in accordance with current accreditation standards, such as ISO 17025:2017 (Section 7.11. Control of data and information management). As toxicology is one of the few forensic disciplines that utilizes batch casework, typical LIMS platforms that are geared towards forensic science have not been able to easily encapsulate this feature for forensic toxicology workflows. This workshop aims to demonstrate how different laboratories have been able to implement, refine, and optimize various LIMS applications offered to the forensic science community. Participants will hear from practitioners that use a variety of LIMS applications, including Forensic Advantage, Porter Lee’s “The BEAST”, LabWare, and JusticeTrax.

## Learning Objectives

1. Workshop participants will understand the differences between LIMS applications used by forensic toxicology laboratories.
2. Workshop participants will learn about each application's pitfalls and obstacles during implementation and customization of the LIMS.
3. Workshop participants will gain insight on validation parameters for LIMS implementation, necessary workflow updates, and version upgrades.

## Faculty

Seth Tracy, BS  
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Amy Patton, MS  
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## Audience Knowledge Level

Basic

## Workshop Agenda

Time	Topic	Speaker
1:30-1:35 pm	Welcome & Introductions	Chairs
1:35-2:20 pm	Introduction to Porter Lee's "the BEAST"	Seth Tracy
2:20-3:05 pm	Introduction to LabWare	Amy Patton
3:05-3:30	Introduction to JusticeTrax	Kim Samano
3:30-4:00	Break	
4:00-4:20	Introduction to JusticeTrax (Continued)	Kim Samano
4:20-5:05	Introduction to Forensic Advantage	Stephen Raso
5:05-5:30	Q&A Panel	All Speakers