



NAME:	Melissa Lloyd	DATE:	6/27/2018
LABORATORY:	Houston Forensic Science Center		
JOB TITLE:	Toxicology Supervisor		

Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Controlled Substances	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input type="checkbox"/>	Questioned Documents
<input type="checkbox"/>	Firearms	<input checked="" type="checkbox"/>	Toxicology
<input type="checkbox"/>	Forensic Audio/Video	<input type="checkbox"/>	Trace Evidence

List all categories or sub-disciplines in which you do casework:

Human Performance Toxicology

Education:

List all higher education institutions attended (list high school if no college degree has been attained)

Institution	Dates Attended	Major	Type of Degree Earned
Virginia Commonwealth University	8/2006-5/2011	Forensic Science	Bachelor of Science
Virginia Commonwealth University	8/2006-5/2011	Criminal Justice	Bachelor of Science
Virginia Commonwealth University	8/2006/5/2011	Minor: Chemistry	

Other Training:

List continuing education, workshops, in service, and other formal training received. Please include the course title, source, and dates of training.

<p>Avoiding Agitation with Method Validation; half day workshop at the 2017 SOFT-TIAFT Joint Meeting, January 8, 2018.</p> <p>SWGTOX, OSAC, ASB: The Heck Do They Impact Me?; half day workshop at the 2017 SOFT-TIAFT Joint Meeting, January 8, 2018.</p> <p>Cannabis in DUID Investigations; full day workshop at the 2017 SOFT-TIAFT Joint Meeting, January 7, 2018.</p> <p>ASCLD Leadership Academy; twelve-week online course culminating in a two-day capstone workshop at the 2017 ASCLD Annual Meeting, January - May 2017.</p> <p>Communication Training; three-part in-house training by Houston Forensic Science Center, April 26, May 3, and 9, 2017.</p> <p>ABSciex QTOF X500R System Training; three-day workshop by ABSciex, September 27-29, 2016.</p>
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Robert Borckenstein Course: Effects of Drugs on Human Performance and Behavior; an intensive five-day course that covered pharmacology of drugs and their effects on psychomotor performance and driving, September 19-23, 2016.

Ethics Workshop; in-house training by The Houston Forensic Science Center, August 30, 2016.

Introduction to Root Cause Analysis; in-house training by The Houston Forensic Science Center, June 13, 2016.

Principles of GCMS – Advanced Techniques in Impairment Toxicology; three-day workshop by Agilent Technologies, June 1-3, 2016.

Forensic Toxicology Testimony: How to Effectively Communicate Our Science to the Courts; one day workshop by S.O.F.T., May 23, 2016.

Testimony and Ethics Workshop; in-house training by The Houston Forensic Science Center, December 2-4, 2015.

American Board of Forensic Toxicology; Diplomate in Forensic Toxicology, March 1, 2015.

American Academy of Forensic Science Annual Meeting; attended forums on toxicology and general forensic science topics for continuing education, February 16-20, 2015.

Drug Facilitated Sexual Assault Workshop; online two-day workshop by S.O.F.T. and RTI International, August 11-12, 2014.

Commonwealth of Virginia Forensic Science Training Program; Qualified Forensic Scientist in the State of Virginia, February 4, 2014.

Fundamentals of LC/MS/MS; online course by RTI International and the National Institute of Justice, September 2013.

Randox Evidence Analyzer Training; in-house training by Randox Laboratories, Ltd., April 17-19, 2013.

Fundamentals of Mass Spectrometry used in Toxicology; online course by RTI International and the National Institute of Justice, March 2013.

Introduction to Uncertainty in Forensic Chemistry and Toxicology 1, 2, & 3; online course by RTI International and the National Institute of Justice, March 2013.

Agilent Event; LC/QQQ Screening for 300 Designer Drugs and Metabolites; online course by RTI International and the National Institute of Justice, February 2013.

Fundamentals of Immunoassay Testing used in Toxicology; online course by RTI International and the National Institute of Justice, February 2013.

How to be a Good Expert Witness; online course by RTI International and the National Institute of Justice, February 2013.

Expert Testimony Training for the Prosecutor and Scientist; online course by RTI International and the National Institute of Justice, February 2013.

Courtroom Experience:

List the disciplines/sub-disciplines in which you have testified as an expert witness and indicate over what time period and approximately how many times you have testified in each.

Discipline or Sub-Discipline	Time Period	Times Testified
Toxicology in Human Performance	5/16/14 – 3/21/18	10
Toxicology in Post Mortem	5/19/15	1



Professional Affiliations:

List any professional organizations of which you are or have been a member. Indicate any office(s) or positions held and the dates of these activities.

Organization	Member Status & Position(s) Held	Dates of Membership
American Board of Forensic Toxicology	D-ABFT-FT	3/1/2015-12/31/2020
Society of Forensic Toxicologists	Associate Member	8/5/2013-10/13/2017
Society of Forensic Toxicologists	Full Member	10/13/2017-Present

Employment History:

List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of duties. Please list your dates of employment by month and year.

Job Title:	Toxicology Supervisor	Dates of Employment:	11/2016 - Present
Employer:	Houston Forensic Science Center		
Provide a brief description of duties below:			
<ul style="list-style-type: none"> -Supervise forensic toxicology casework and database functions for a team of analysts. -Aid in planning, developing, and directing of projects and operations in the Toxicology Section. -Perform research and development studies to investigate and implement new scientific methodologies. -Train staff members on scientific processes, operational and procedural policies, and technical applications. -Review, monitor, and work with the Quality Division to ensure quality system compliance. -Develop strategies for improved performance. -Continue to perform duties listed below as Forensic Analyst. 			

Job Title:	Forensic Analyst	Dates of Employment:	8/2015 – 11/2016
Employer:	Houston Forensic Science Center		
Provide a brief description of duties below:			
<ul style="list-style-type: none"> -Independently performed comprehensive scientific analyses on biological specimen submitted by outside agencies. -Analyzed data and develop sound conclusions. -Interpreted results and prepare reports of my findings. -Testified in a court of law as an expert witness when requested. -Developed sound analytical methods that are deemed acceptable by the scientific community. 			

Job Title:	Forensic Scientist	Dates of Employment:	1/2013 – 8/2015
Employer:	Virginia Department of Forensic Science		
Provide a brief description of duties below:			
-Performed analysis on biological specimen for the presence of alcohol and drugs in an ASCLD/LAB			



accredited laboratory.

- Analyzed an interpreted data, while adhering to standard operating procedures and properly following QA/QC documentation guidelines.
- Prepared Certificates of Analysis detailing my results for postmortem and human performance cases.
- Reviewed analytical data of my peers to ensure accuracy and compliance with the Departments' quality guidelines.
- Maintained inventory and order all supplies for Western Toxicology Laboratory.
- Testified in a court of law when requested.

Job Title:	Positive Certifying Scientist I	Dates of Employment:	5/2011 – 1/2013
Employer:	Alere Toxicology		
Provide a brief description of duties below:			
<ul style="list-style-type: none"> -Performed analysis on biological specimen for the presence of drugs, as well as proficiency tests for SAMSHA and CAP regulated samples. -Analyzed and interpreted data in adherence with SAMSHA and CAP guidelines. -Troubleshoot and performed preventative maintenance on LC/MS/MS instruments. -Prepared reagents, quality controls, and calibrators that were used daily in the laboratory. Calibrated pipettes, and maintained inventory for the LC/MS/MS department. 			

Job Title:		Dates of Employment:	
Employer:			
Provide a brief description of duties below:			

Other Qualifications:

List below any scientific papers authored or co-authored and/or scientific presentations given, research in which you have been involved, academic or teaching positions you have held, and any other information you consider relevant to your qualification as a forensic scientist.

Abstracts/Presentations:

1. Rodgers C., **Lloyd M.**, and Lee D. Characteristics of Alcohol-Impaired Drivers in the City of Houston (January 2014 – February 2017): Did Hosting Super Bowl LI cause a Spike in BAC?. 2017 SOFT-TIAFT Joint Meeting. Boca Raton, FL. January 11, 2018.