



<b>NAME:</b>	Erin Cosme	<b>DATE:</b>	12/13/2022
<b>LABORATORY:</b>	Houston Forensic Science Center		
<b>JOB TITLE:</b>	Forensic Analyst III		

Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Seized Drugs	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input checked="" type="checkbox"/>	Toxicology
<input type="checkbox"/>	Firearms	<input type="checkbox"/>	Forensic Audio/Video

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

Human Performance Toxicology
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Texas Forensic Science Commission (TFSC) Licensing

Per TFSC section 651.203, starting January 1, 2019, the following disciplines are subject to licensing: Seized Drugs, Toxicology, Forensic Biology & Firearms/Toolmarks. If applicable, select the type of license issued by TFSC (Select N/A if not applicable):

<b>Type of License:</b>	Toxicologist (Interpretative)
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Certifications:

Organization	Discipline	Type/Level (N/A if not applicable)
American Board of Forensic Toxicology	Forensic Toxicology	Diplomate

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
University of Florida	01/2012-05/2014	Pharmacy with a concentration in Forensic Science	Master Degree
University of South Carolina	08/2003-05/2006	Chemistry	Bachelor of Science
East Carolina University	08/2002-05/2003	Athletic Training, Chemistry	n/a

Other Training:

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

<b>Toxicology – Alcohol and Other Volatiles Training</b> In-house training program North Carolina State Crime Laboratory June 2015-October 2015
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**Toxicology – Blood Drug Training**

In-house training program  
North Carolina State Crime Laboratory  
September 2015-June 2016

**Waters LC Back to Basics**

Waters (Morrisville, NC satellite office)  
August 2017

**Robert F. Borckenstein Course on Alcohol & Highway Safety: Testing, Research and Litigation**

Indiana University  
December 2017

**Current Trends in Forensic Toxicology, Online Symposium**

RTI International  
May 22-24, 2018

**Southern Association of Forensic Scientists (SAFS) Workshop**

LC-TOF/QTOF for Drug Screening Applications in the Toxicology Laboratory: Theory, Development and Application  
Asheville, NC  
May 1, 2019

**Current Trends in Forensic Toxicology, Online Symposium**

RTI International  
May 13-17, 2019

**Society of Forensic Toxicologists Annual Meeting**

- San Antonio, Tx  
October 13-18, 2019
- Cleveland, OH  
October 31-November 5, 2022

Workshops:  
Method Optimization During Development and Validation: Tips and Tricks on How to Succeed  
Work Smarter, Not Harder – Process Improvements and Automation

**Introduction to Pharmacology I – For Toxicologists**

David H. Eagerton, Ph.D., F-ABFT-FT, Chair and Associate Professor  
Campbell University (*one in-house training, Raleigh, NC*)  
March 2020

**Introduction to Pharmacology II – For Toxicologists**

David H. Eagerton, Ph.D., F-ABFR-FT, Chair and Associate Professor



Campbell University (*one in-house training, Raleigh, NC*)  
April 2020

**Current Trends in Forensic Toxicology, Online Symposium**

RTI International  
June 8-12, 2020

**Oral Fluid Drug Testing in DUI Cases (webinar)**

Society of Forensic Toxicologists  
July 22, 2020

**Cannabis Impaired Driving: Where Are We in 2020?**

Society of Forensic Toxicologists Webinar/Workshop  
September 2020

**Southwestern Association of Forensic Scientists (SWAFS)**

Annual Meeting – October 2020 (virtual)

Workshops

- PCP Trends and Challenges in Houston
- Quality Control: Blind Quality Control Cases
- An Overview of OSAC/ASB Documents for Toxicology

**The International Association of Forensic Toxicologists (TIAFT)**

Annual Meeting – December 2020

**Current Trends in Forensic Toxicology, Online Symposium**

Center for Forensic Science Education  
May 31-June 4, 2021

**Introduction to Pharmacology**

Webinar, Houston Forensic Science Center  
January 19, 2022

**American Academy of Forensic Science (AAFS) Annual Conference**

- Scientific Sessions, Virtual, February 23-25, 2022
- “Young Forensic Scientists Forum: Meeting and Overcoming Challenges Faced by Young Forensic Scientists,” February 22, 2022

**Current Trends in Forensic Toxicology, Online Symposium**

Center for Forensic Science Education  
May 16-20, 2022

**Overview of the Advanced Roadside Impaired Driving Enforcement (ARIDE) Program**

Sgt. Salvador Corral, Houston Police Department



November 16, 2022

**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 – Blood Alcohol	12/2016 – 08/2020	11
Toxicology – Blood Drug	12/2016 – 08/2020	9

**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
Society of Forensic Toxicologists, Inc.	Member	2018 - present
American Academy of Forensic Sciences	Associate Member	2016 (Training), 2021 - present
American Chemical Society	Student	2007

**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.

<b>Job Title:</b>	Forensic Analyst II, III	<b>Dates of Employment:</b>	08/2020 – present
<b>Employer:</b>	Houston Forensic Science Center		

**Provide a brief description of duties below:**

- Analyze biological specimens to detect and quantify alcohol and/or volatiles
- Perform confirmation analysis to identify and quantify drugs and/or impairing substances
- Review of analytical data to prepare and issue laboratory reports
- Perform technical and administrative peer review of certifying scientists' data and reports
- Assist with method validation for LC-MS/MS
- Review discovery orders
- Testify in court, as requested
- Interpret alcohol analysis results; perform retrograde extrapolation and Widmark calculations when necessary, facts are available.

<b>Job Title:</b>	Forensic Scientist I, II	<b>Dates of Employment:</b>	02/2015 – 08/2020
<b>Employer:</b>	North Carolina State Crime Laboratory		

**Provide a brief description of duties below:**

- Perform chemical analysis of biological evidence for the presence or absence of alcohol, volatiles, drugs and/or impairing substances.
- Prepare and issue laboratory reports based on scientific findings



- Peer review (administrative and technical) of casework and quality control data
- Instrument coordinator of Liquid Chromatograph Quadrupole Time of Flight (LC-QTOF/MS/MS)
- Testify in court, as requested

<b>Job Title:</b>	R&D Chemical Technologist	<b>Dates of Employment:</b>	06/2007 – 03/2008
<b>Employer:</b>	Kemira FinnChem		
<b>Provide a brief description of duties below:</b>			
- Perform electrochemical tests on anodes - Record oxygen levels produced for lifetime testing and calculate current efficiency			

<b>Job Title:</b>	Forensic Lab Assistant (Intern)	<b>Dates of Employment:</b>	05/2005 – 11/2005
<b>Employer:</b>	South Carolina Law Enforcement Division		
<b>Provide a brief description of duties below:</b>			
- Aid in organizing and storing DNA backlog samples upon receipt to the laboratory - Enter subject information in both state and national database - Use of robotic pipettes to prepare blood samples for analysis on FTA cards			

**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.

**Presentations:**  
“GC-MS Method Development and Validation Basics and Advances: Instrument Optimization.” 2021 Current Trends in Forensic Toxicology Symposium, June 1, 2021, Virtual.