



Florida Department of
Law Enforcement

Richard L. Swearingen
Commissioner

Criminal Investigations and Forensic Science
Orlando Regional Operations Center
500 W. Robinson Street
Orlando, FL 32801-1771
(800) 226-8521
www.fdle.state.fl.us

Ron DeSantis, *Governor*
Ashley Moody, *Attorney General*
Jimmy Patronis, *Chief Financial Officer*
Nikki Fried, *Commissioner of Agriculture*

CURRICULUM VITAE

Kathleen R. Mazek

Senior Crime Laboratory Analyst
Technical Leader
Toxicology Section

Education:

Maryville College
Bachelor of Arts Degree in Biology
May 2001

Work Experience:

Senior Crime Laboratory Analyst – Toxicology Section
Florida Department of Law Enforcement
January 2007 to Present

Duties:

Alcohol toxicology analysis duties include testing biological specimens for the presence and amount of ethyl alcohol using headspace gas chromatography. Drug toxicology analysis duties include testing biological specimens for the presence of controlled substances and other drugs. Drug analysis techniques may include liquid-liquid and solid phase extractions and gas chromatography/mass spectrometry and/or liquid chromatography/tandem mass spectrometry. In addition, testimony is regularly provided to include operation of instrumentation, identification of substances, and pharmacological interpretation of results.

Contributions:

Participated in the Toxicology Quality Assurance Committee from 2012 to 2020
Performed 9 toxicology internal audits
Technical Leader of Toxicology Section from July 2017 to October 2019;
Performed 1 laboratory reassessment for ANSI National Accreditation Board as a technical assessor
Qualified as an expert in 61 trials.

Forensic Technologist – Trace Evidence Section
Florida Department of Law Enforcement



Florida Department of
Law Enforcement

Richard L. Swearingen
Commissioner

Criminal Investigations and Forensic Science
Orlando Regional Operations Center
500 W. Robinson Street
Orlando, FL 32801-1771
(800) 226-8521
www.fdle.state.fl.us

Ron DeSantis, *Governor*
Ashley Moody, *Attorney General*
Jimmy Patronis, *Chief Financial Officer*
Nikki Fried, *Commissioner of Agriculture*

July 2004 to January 2007

Duties:

Processing and preservation of trace evidence, instrument calibration and maintenance, chemical testing, ordering of supplies, and aiding analysts.

Specialized Training & Certifications:

Certification in Forensic Drug Toxicology
Toxicology, Florida Department of Law Enforcement
September 14, 2009

Certification to Conduct Forensic Blood Alcohol Analysis
Toxicology, Florida Department of Law Enforcement
November 5, 2007

Permit to Conduct Blood Alcohol Analysis AA-4_07
Alcohol Testing Program, Florida Department of Law Enforcement
July 9, 2007

Certification to Perform Trace Recovery
Trace, Florida Department of Law Enforcement
December 30, 2004

Specialized Courses:

ANAB Technical Assessor Course
ANSI-ASQ National Accreditation Board
SWAFS Conference
September 30-October 4, 2018

The Robert F. Borkenstein Course on Alcohol & Highway Safety:
Testing, Research, & Litigation
Indiana University Center for Studies of Law in Action
December 6-11, 2015

The Effects of Drugs on Human Performance and Behavior
The Robert F. Borkenstein Center for Studies of Law in Action
September 22-26, 2014



Florida Department of
Law Enforcement

Richard L. Swearingen
Commissioner

Criminal Investigations and Forensic Science
Orlando Regional Operations Center
500 W. Robinson Street
Orlando, FL 32801-1771
(800) 226-8521
www.fdle.state.fl.us

Ron DeSantis, *Governor*
Ashley Moody, *Attorney General*
Jimmy Patronis, *Chief Financial Officer*
Nikki Fried, *Commissioner of Agriculture*

Measurement Confidence for the Forensic Laboratory
ASCLD/LAB – International
July 21-22, 2011

Best Practices for Volumetric Measurement
NIJ / RTI International
September 15, 2010

Introduction to LCMSMS in the Forensic Toxicology Lab
AB/SCIEX
September 7, 2010

Introduction to Uncertainty in Forensic Chemistry and Toxicology
RTI International / National Institute of Justice
May 7 13-14, 2009

Zzzz Drugs: From Analysis to Interpretation
RTI International / National Institute of Justice
March 26, 2009

Opioids and Pain Management
RTI International / National Institute of Justice
March 25, 2009

Courtroom Testimony
Multijurisdictional Counterdrug Task Force Training
June 1-2, 2009

Professional Organizations:

Society of Forensic Toxicologist
Full member since 2013

International Association of Chemical Testing
Regular member since 2016



Florida Department of
Law Enforcement

Richard L. Swearingen
Commissioner

Criminal Investigations and Forensic Science
Orlando Regional Operations Center
500 W. Robinson Street
Orlando, FL 32801-1771
(800) 226-8521
www.fdle.state.fl.us

Ron DeSantis, *Governor*
Ashley Moody, *Attorney General*
Jimmy Patronis, *Chief Financial Officer*
Nikki Fried, *Commissioner of Agriculture*

Conferences:

Southwestern Association of Forensic Scientists
40th Annual SWAFS Conference
Shreveport, LA
September/October 2018

Society of Forensic Toxicologist Annual Meeting
Boca Raton, FL
January 2018

Society of Forensic Toxicologist Annual Meeting
Orlando, FL
October 2013

Society of Forensic Toxicologist and The International Association of Forensic Toxicologists
Joint Meeting
San Francisco, CA
September 2011

Southern Association of Forensic Scientists Joint Meeting
Orlando, FL
September 2004