

Tiffany Ann Roy
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Education and Certifications

<i>University of Florida, Gainesville FL</i> Master of Science in Forensic Science	<i>2019</i>
<i>University of Florida, Gainesville FL</i> Graduate Certificate in Forensic Serology and DNA	<i>2014</i>
<i>Massachusetts School of Law at Andover, Andover MA</i> Juris Doctorate	<i>2010</i>
<i>Syracuse University, Syracuse NY</i> Bachelor of Science in Biology-Molecular Track	<i>2006</i>
<i>State Bar Association of Massachusetts</i> BBO# 680896	<i>2011</i>
<i>American Board of Criminalistics</i> Forensic Molecular Biology Certification	<i>2012</i>

Professional Experience

ForensicAid, LLC

West Palm Beach, FL *November 2013-Present*
Forensic Educator and Consultant

- Instruct trainings and seminars for attorneys and scientists in the area of forensic science.
- Perform technical reviews of STR data from other analysts for accuracy and compliance with laboratory protocols and procedures.
- Provide technical assistance to laboratory personnel and expert testimony when necessary.
- Capacity building training/expertise in forensic science
 - American Bar Association Rule of Law Initiative, *Cairo, Egypt 2016*
 - International Institute of Justice and Rule of Law, *East and West Africa 2019*

Southern New Hampshire University

Hooksett, NH *January 2015-Present*
Adjunct Professor *Justice Studies Courses*

University of Maryland, University College

Adelphi, MD *January 2015-Present*
Adjunct Professor *Forensic Investigation Courses*

Palm Beach Atlantic University

West Palm Beach, FL *August 2012-May 2019*
Adjunct Professor *Forensic Science Lecture and Lab*

DNA Labs International

Deerfield Beach, FL *March 2011-November 2013*
Forensic DNA Analyst: *Forensic DNA Analyst*

- Perform STR DNA analysis on forensic casework samples, paternity samples and samples submitted by private clients.
- Prepare case folders that include statistical analysis of data and interpretive reports.
- Perform technical reviews of STR data from other analysts for accuracy and compliance with laboratory protocols and procedures.
- Maintain laboratory compliance with the requirements of the ISO 17025 Standard.
- Provide technical assistance to laboratory personnel and expert assistance to law enforcement agencies and attorneys involved in the criminal justice system.

Massachusetts State Police Crime Laboratory

Maynard, MA

DNA and Criminalistics Units:

December 2006-February 2011

Chemist II

- Perform STR DNA analysis on forensic casework samples and samples involved in the QC of all reagents and solutions utilized by the DNA unit.
- Perform chemical, physical and biological testing on evidentiary samples from crime scenes or submitted by law enforcement personnel.
- Analyze samples to determine the presence or absence of biological material and trace evidence for use in criminal proceedings.
- Prepare case folders that include statistical analysis of data and interpretive reports.
- Conduct peer and administrative reviews of case folders for accuracy and compliance with laboratory protocols and procedures.
- Perform technical reviews of STR data from private laboratories for upload to CODIS.
- Maintain laboratory compliance with the requirements of the ASCLD/LAB accreditation manual.
- Provide technical assistance to laboratory personnel and expert assistance to law enforcement agencies and attorneys involved in the criminal justice system.

Lahey Clinic Medical Center

Burlington, MA

Microbiology Laboratory:

February 2005-December 2006

Medical Laboratory Technician

- Process and Prepare patient specimens from different locations within the hospital in a timely manner for testing in the laboratory.
- Accession samples and enter testing results using computerized patient records.
- Test and analyze samples in a number of laboratory disciplines such as; Virology, Mycology and Bacteriology.
- Operate and calibrate an assortment of laboratory testing equipment, troubleshoot/resolve instrumentation problems.
- Perform various chemical, microscopic and bacteriologic tests on patient samples.
- Tests include routine and special laboratory tests on body fluids, blood, skin scrapings and surgical specimens.
- Maintain laboratory equipment, instrumentation and work areas to ensure compliance with government and hospital standards.
- Train and educate new and existing technologists within the laboratory.
- Maintain working knowledge and understanding of privacy policies and patient confidentiality laws.

Professional Development

Buccal DNA Collection Training

Robert J. Martin, Forensic Biology Lead Supervisor

January 2007

Courts of the Commonwealth

Nancy J. Burns, JD, MSP Forensic Services Group

February 2007

Forensic Pathology

Dr. Kimberly Springer, MA Office of the Chief Medical Examiner

March 2007

<i>Mixture Interpretation and Statistics</i> G. Carmody Ph.D, R. Wickenheiser, J. Sgueglia	April 2007
<i>Trace Evidence Collection</i> Beth Fisher, Chemist III MSP Trace Evidence Unit	May 2007
<i>Northeast Regional Forensic Institute DNA Academy</i> SUNY Albany	June 2007
<i>Search & Seizure/Crime Scene Testimony</i> Nancy Burns, JD, MSP Forensic Services Group	October 2007
<i>M-48 Qiagen Robot Training</i> Sandra Haddad, PhD, MSP Research and Training Section	February 2008
<i>Alternate Light Source and Bloodstain Pattern and Fingerprint Enhancement Techniques</i> Instructor Timothy Palmbeck, JD	October 2008
<i>Hair Evaluation for DNA Analysis</i> Robin Bowen, WVU, Continuing and Professional Credit	May 2009
<i>Advanced DNA Training</i> Instructor Justin Godby, MS, Marshall University	December 2009
<i>Criminalistics Training;</i> Blood Module, Other Body Fluids Module, Semen Module Abbey Scott, Chemist III MSP, Jaime Sperduto, Chemist III MSP	April 2008
Sexual Assault Kit Module Abbey Scott, Chemist III MSP, Jaime Sperduto, Chemist III MSP	May 2008
Weapons Module Beth Goodspeed, Chemist III MSP	March 2009
Trace Evidence Module Jaime Sperduto, Chemist III MSP	April 2009
<i>Body Fluid Identification</i> Ideal Innovations (NEAFS 2010) <i>DNA Automation</i> Perkin Elmer (NEAFS 2010)	November 2010
<i>Surviving a DNA Cross Examination</i> Christine Funk, JD; Anjali Swienton, MS, JD; Charles K. Williams, MS, JD	November 2011
<i>Quantifiler Duo DNA Quantification Kit Validation Lecture, Laboratory, and Data</i> Joanne Sgueglia, Applied Biosystems	December 2011
<i>Promega's Y-STR Analysis Seminar</i>	August 2012
<i>Surviving a DNA Cross Examination II</i> Christine Funk, JD; Anjali Ranadive, MS, JD; Charles K. Williams, MS, JD	November 2012
<i>Prepfilier and Tecan Evo Validation Lecture, Laboratory and Data</i> Joanne Sgueglia, Applied Biosystems	December 2012

<i>DNA Mixture Workshop & Webcast</i> National Institute of Standards and Technology	April 2013
<i>Probabilistic Genotyping and Software Programs Webinar (Part 1)</i> National Institute of Standards and Technology	May 2014
<i>Narcotics Investigation: Addressing False Positives and Updates on Synthetic Substances</i> SIRCHIE	May 2014
<i>ABA Prescription on Forensic Science</i> American Bar Association/Fordham University	June 2014
<i>NEAFS Annual Meeting 2015</i> Biology Session Chair Your Attention Please- A Public Speaking Skills Workshop	October 2015
<i>Gordon Research Conference on Forensic Analysis of Human DNA</i> Waterville Valley, NH	June 2016
<i>International Symposium on Human Identification</i> What is this "Likelihood Ratio" and "Probabilistic Genotyping" everyone is talking about? Dr. Michael Coble, NIST; Dr. JoAnn Bright, ESR	September 2016
<i>ASCLD Webinar: DNA Standards and Guidelines</i> Joel Sutton, DNA Technical Leader, USACIL, Defense Forensic Science Center Bruce Heidebrecht, DNA Technical Leader, MD State Police Forensic Sciences Division Jerrilyn Conway, Federal Bureau of Investigations	April 2017
<i>ASCLD Webinar: DNA Standards and Guidelines</i> Jocelyn Carlson, Federal Bureau of Investigations, Chair of QAS revision committee	May 2017
<i>NIST International Forensic Science Error Management Symposium</i> <i>Comparing Open-Source Free-of-Charge Software Programs for Assessing the Weight of Evidence</i> Dr. Nora Rudin; Dr. Keith Inman Gaithersburg, MD	July 2017
<i>Northeastern Association of Forensic Scientists Annual Meeting</i> Pocono Manor, PA	November 2017
<i>American Academy of Forensic Sciences Annual Meeting</i> Moving From the Combined Probability of Inclusion (CPI) to Probabilistic Genotyping for DNA Mixture Interpretation Dr. Michael Coble, Dr. Daniele Podini	February 2018
<i>STRmix Training Workshop</i> ESR Indian River Crime Lab, Ft. Peirce, FL	April 2018
<i>Gordon Research Conference</i> <i>Analysis of Human DNA</i> Sunday River, Newry ME	June 2018

<i>Green Mountain DNA Conference</i> Burlington, Vermont	July 2019
<i>International Symposium on Human Identification</i> Palm Springs, California	September 2019
<i>Family Ties: Using Genetic Genealogy to Solve Violent Crime</i> Multiple Instructors	September 2019
<i>Can You Solve Your Case Using Genetic Genealogy</i> Diahan Southard	September 2019
American Academy of Forensic Sciences 72 nd Annual Meeting <i>Genetic Genealogy: Science, Law and Ethics</i> Anaheim, CA	February 18, 2020

Textbook Publications

Saferstein, R., Roy, T. *Forensic Science: From the Crime Scene to the Crime Lab* 4e, Pearson Education. 2019

Saferstein, R., Roy, T. *Criminalistics: An Introduction to Forensic Science* 13e, Pearson Education. 2020

Roy, T. Price, T. *The Complete Guide to the American Board of Criminalistics Molecular Biology Examination*. CRC Press. 2020

Professional Affiliations

Northeastern Association of Forensic Scientists (NEAFS) Member

Massachusetts Board of Bar Overseers (BBO) Member

American Board of Criminalistics (ABC) Diplomat

American Academy of Forensic Science (AAFS) Associate Member

Expert Working Group on Human Factors in Forensic DNA Interpretation at National Institute of Standards and Technology (NIST)