

Curriculum Vitae

APRIL R. STONEHOUSE

Professor of Practice
Arizona State University
New College School of Interdisciplinary Forensics

EDUCATION:

Master of Science August 2017
Forensic DNA and Serology
Summa Cum Laude
University of Florida
Gainesville, Florida

Bachelor of Science with Honors in Biochemistry, Magna Cum Laude August 1998
Minor: Mathematics, Physics, and Chemistry
Phi Beta Kappa
University of Arizona
Tucson, Arizona

Bachelor of Science with Honors in Molecular and Cellular Biology, August 1998
Magna Cum Laude
Phi Beta Kappa
University of Arizona
Tucson, Arizona

PROFESSIONAL LABORATORY EXPERIENCE:

Professor of Practice
Director of Professional Master of Forensic Science
School of Interdisciplinary Forensics
Arizona State University
August 2024 to Current

Forensic Scientist Technical Leader/ Forensic Scientist III: Mesa Police Department
Crime Laboratory.
Mesa, Arizona
January 2013 to August 2024

Acting DNA Supervising Criminalist IV: Arizona Department of Public Safety Southern
Regional Crime
Laboratory
Tucson, Arizona
September 2001 to January 2013

Senior Research Specialist: University of Arizona, Department of Biochemistry and

Molecular Biophysics
Tucson, Arizona
September 1998 to September 2001

PROFESSIONAL MEMBERSHIPS:

<i>American Academy of Forensic Science (AAFS)</i>	<i>2007 to Present</i>
<i>Southwestern Association of Forensic Scientists</i>	<i>2004 to Present</i>
<i>International Association of Bloodstain Pattern Analysts</i>	<i>2014 to Present</i>

PROFESSIONAL TRAINING:

2023

- 29th Annual National CODIS Conference
November 13-16, 2023
Federal Bureau of Investigation
- 9th Annual Workshop on STRmix Implementation and Casework Approach
July 27-28, 2023
California Department of Justice and San Diego Police Department
- HIDS 2023 Unstoppable Together, we find the truth
May 23-May 24, 2023
Thermo Fisher Scientific
- An Elephant Walks into a Bar...Testimony Guidance to Avoid Transposing the Conditional
May 24, 2023
Drs. Michael Coble and John Buckleton
DNA Labs International

2022

- 8th Annual Workshop on STRmix Implementation and Casework Approach
June 28-29, 2022
California Department of Justice and San Diego Police Department
- 28th Annual National CODIS Conference
November 14-18, 2022
Federal Bureau of Investigation

2021

- 27th Annual National CODIS Conference
November 15-19, 2021
Federal Bureau of Investigation
- Promega 2021 Technology Tour Seminar
November 9, 2021

Phoenix, AZ

- 7th Annual Workshop on STRmix Implementation and Casework Approach
June 22-23, 2021
California Department of Justice and San Diego Police Department
- 3rd Annual Northeast Forensic Laboratory Probabilistic Genotyping Users Group Meeting
April 13, 2021

2020

- 26th National CODIS Conference
December 8-10, 2020
Federal Bureau of Investigation
- Southwestern Association of Forensic Scientists Virtual Symposium – CODIS/DNA
October 5, 2020
National Institute of Justice
- Using Brain Science to Explain Irrational Behavior
June 25, 2020
Mr. Eric Bailey, Bailey Strategic Innovation Group
Arizona Forensic Science Academy
- Why is forensic DNA critical for criminal justice?
How can we maximize the impact of forensic DNA?
June 24, 2020
Labroots
- 6th Annual Workshop on STRmix Implementation and Casework Approach
June 23-24, 2020
California Department of Justice and San Diego Police Department
- 2020 Quality Assurance Standards (QAS) and Auditor Training and Assessment
June 18, 2020
Federal Bureau of Investigation
- Autism Training and Certificate for Law Enforcement and First Responders
February 24, 2020
International Board of Credentialing and Continuing Education Standards

2019

- Cause Mapping for Facilitators
July 17-18, 2019
Mr. Ely Wilson, Think Reliability
Mesa, Arizona
- 5th Annual Workshop on STRmix

June 18-20, 2019
California Department of Justice and San Diego Police Department
San Diego, California

- COSTaR: A DNA Analysis Tool
May 8, 2019
Mr. Brian Burritt, San Diego Police Department
Phoenix, Arizona

2018

- American Academy of Forensic Sciences 70th Annual Scientific Meeting
February 19-24, 2018
Seattle, Washington

2017

- Beyond CODIS Hits
September 25, 2017
Ms. Kaitlin Echols, Mr. Vince Figarelli, Dr. Colleen Fitzpartrick
- 14th Annual DNA Conference- Bode West
April 11-14, 2017
Phoenix, Arizona
- ASCLD DNA Mixtures Webinar: Managers Overview
February 7, 2017
Forensic Technology Center of Excellence
National Institute of Justice, RTI International
- ASCLD DNA Mixtures Webinar: Technical Overview
February 7, 2017
Forensic Technology Center of Excellence
National Institute of Justice, RTI International

2016

- STRmix Training Workshop
August 1-4, 2016
Dr. John Buckleton, PhD
Richmond, California
- 2016 Qiagen International Investigator Forum
June 14-16, 2016
Miami, Florida
- STRmix Training Workshop
June 14, 2016
Dr. Jo-Anne Bright, PhD
Miami, Florida

- Promega 2016 Technology Tour Seminar
March 10, 2016
Scottsdale, AZ
- 2016 Annual Review of DNA Data Accepted at NDIS
March 7, 2016
Federal Bureau of Investigation Laboratory Division

2015

- Overview of Probabilistic Genotyping for DNA Mixture Interpretation and Statistics
November 10, 2015
US Army Criminal Investigation Laboratory
Phoenix, AZ
- Cognitive Factors in Forensic Decision Making
June 30 - July 1, 2015
Dr. Itiel Dror, PhD
Houston Forensic Science Center
Houston, Texas

2014

- DNA Mixture Interpretation using the Binary and Probabilistic Likelihood Ratio
October 30, 2014
National Institute of Standards and Technology
Dr. Mike Coble, PhD
Phoenix, Arizona
- Promega 25th International Symposium on Human Identification
Sept. 29-Oct. 2, 2014
Phoenix, Arizona
- New Autosomal and Y-STR Loci and Kits: Making data Driven Decisions
October 2, 2014
Promega 25th International Symposium on Human Identification
Phoenix, Arizona
- Almost Everything You Wanted to Know About Probabilistic Software (But Were Afraid to Ask)
September 29, 2014
Promega 25th International Symposium on Human Identification
Phoenix, Arizona
- Interpretation of Complex DNA Mixtures: The Biological and Statistical Perspective
September 28, 2014
Promega 25th International Symposium on Human Identification

Phoenix, Arizona

- Firearms Safety Class
July 24-25, 2014
Ms. Ashely Northcutt
Mesa, Arizona
- ASCLD/LAB International Assessor Training
April 7-11, 2014
Dr. Emma Dutton PhD
Mesa, Arizona
- Advanced Bloodstain Pattern Analysis
January 27-31, 2014
Ms. Janice Johnson
Forensic Pieces
Mesa, Arizona

2013

- 2014 Annual Review of DNA Data Accepted at NDIS
December 23, 2013
Federal Bureau of Investigation Laboratory Division
Mesa, Arizona
- Trace Evidence
November 21, 2013
Arizona Forensic Science Academy
Phoenix, Arizona
- DNA-Automated Differential Digestion Using Selective Degradation
November 19, 2013
Arizona Forensic Science Academy
Phoenix, Arizona
- From Crime to Courtroom
November 13, 2013
Arizona Forensic Science Academy
Phoenix, Arizona
- Bloodstain Pattern Analysis I
October 7-11, 2013
Mr. Ross Gardner
Bevel Gardner and Associates
Phoenix, Arizona
- 2013 HID Future trends in forensic DNA technology

July 16, 2013
Applied Biosystems
Scottsdale, Arizona

- DNA Mixture Interpretation
April 18-19, 2013
Ms. Debra Figarelli
Mesa, Arizona
- NIST Forensic DNA mixture Interpretation Workshop and Webcast
April 12, 2013
Dr. John Butler, Dr. Michael Coble, Dr. Robin Cotton,
Dr. Charlotte Word, and Mr. Bruce Heidebrecht
Gaithersburg, MD

2012

- Validation and Use of 3500 Genetic Analyzer
December 6, 2012
Arizona Forensic Science Academy
Phoenix, Arizona
- 2012 HID Future Trends in DNA Technology Seminar
August 2, 2012
Applied Biosystems
Scottsdale, Arizona
- 2012 HID Technical Lead Roundtable
August 1, 2012
Applied Biosystems
Scottsdale, Arizona
- DNA SWGDAM Guidelines and DNA Mixture Interpretation
May 17, 2012
Arizona Forensic Science Academy
Phoenix, Arizona
- CODIS 7.0 Training
April 26, 2012
Federal Bureau of Investigation
Portland, Oregon
- Professional Standards
February 22, 2012
Arizona Department of Public Safety
Phoenix, Arizona

2011

- 17th National CODIS Conference
November 14-16, 2011
Federal Bureau of Investigation
Jacksonville, Florida
- Bloodstain Pattern Analysis and Documentation
October 4-6, 2011
Mr. Grant Graham
Tucson, Arizona
- 2011 HID Future Trends in DNA Technology Seminar
July 20, 2011
Applied Biosystems
Scottsdale, Arizona
- Mixture Interpretation: Principles, Protocols, and Practice
June 6-7, 2011
Dr. John Butler, Dr. Robin Cotton, Dr. Charlotte Word,
and Ms. Catherine Grgicak
Mesa, AZ

2010

- Statistics and DNA Mixture Interpretation Workshop
October 27-29, 2010
Dr. George Carmody and Mr. Ray Wickenheiser
Phoenix, AZ
- 38th Annual Crime Laboratory Development Symposium
September 21-23, 2010
Federal Bureau of Investigation
Cincinnati, Ohio
- 2010 HID Future Trends in DNA Technology Seminar
August 26, 2010
Applied Biosystems
Scottsdale, Arizona
- Arizona Technical Working Groups on DNA Analysis Methods
April 20, 2010
Tucson Police Department
Tucson, Arizona

2009

- 15th National CODIS Conference
November 2-4, 2009
Federal Bureau of Investigation

Washington, D.C.

- Promega 20th International Symposium on Human Identification
October 12-15, 2009
Las Vegas, Nevada
- Techniques for Challenging Samples
October 15, 2009
Promega 20th International Symposium on Human Identification
Las Vegas, Nevada
- Validation of New Techniques and Assays in the Human
October 12, 2009
Identification Laboratory Workshop
Promega 20th International Symposium on Human Identification
Las Vegas, Nevada
- Presenting DNA Evidence in Court
October 12, 2009
Promega 20th International Symposium on Human Identification
Las Vegas, Nevada

2008

- 14th National CODIS Conference
November 10-11, 2008
Federal Bureau of Investigation
Washington, D.C.
- Power Plex 16 Analysis
October 9, 2008
Sorenson Forensics
Tucson, Arizona

2007

- Advanced DNA Training
August 1-6, 2007
Marshall University Forensic Science Center
- AmpFlSTR Identifiler Analysis
July 25, 2007
IDENTIGENE, LLC.
Houston, Texas
- General Instructor Program
July 30-August 3, 2007
Arizona Department of Public Safety
Tucson, Arizona

- Basic Photography
February 1-2, 2007
Arizona Department of Public Safety
Youngtown, Arizona

2006

- 12th National CODIS Conference
October 23-24, 2006
Federal Bureau of Investigation
Washington D.C.
- Promega 17th International Symposium on Human Identification
October 9-12, 2006
Nashville, Tennessee
- Generating DNA Profiles from Difficult Samples
October 12, 2006
Promega 17th International Symposium on Human Identification
Nashville, Tennessee
- Advanced Topics in Statistics
October 9, 2006
Promega 17th International Symposium on Human Identification
Nashville, Tennessee
- DNA Auditor Training
September 21-22, 2006
Federal Bureau of Investigation
Scottsdale, Arizona
- CODIS Training
September 11-15, 2006
Federal Bureau of Investigation
McLean, Virginia
- Forensic DNA Statistic Workshop
August 16-18, 2006
Dr. Bruce Budowle and Dr. John Planz, PhD
Tucson, Arizona
- Statistical Analysis of Forensic DNA Evidence
May 9, 2006
Dr. Bruce Budowle
Phoenix, Arizona

- Statistical Analysis of Forensic DNA Evidence
January 23-24, 2006
Dr. George Carmody, PhD
Phoenix, Arizona

2005

- 11th National CODIS Conference
November 7-9, 2005
Federal Bureau of Investigation
Washington D.C.
- Cold Case Homicide Conference
June 20-23, 2005
Arizona Homicide Investigators Association
Tucson, Arizona
- Forensic PCR STR DNA Training Program
April 28, 2005
Arizona Department of Public Safety
Tucson, Arizona
- Expert Testimony and Daubert presented by Mr. Pat Wertheim
April 4-8, 2005
Arizona Department of Public Safety
Tucson, Arizona
- Statistics presented by Dr. Charles Brenner Ph.D.
March 23, 2005
Columbia, Missouri
- Mid-America 2005 Forensic DNA Conference
March 22-23, 2005
Sponsored by Paternity Testing Corporation
Columbia, Missouri
- Forensic Epidemiology
February 3, 2005
Maricopa County Department of Public Health and Arizona
Department of Health Services
Mesa, Arizona
- ABI PRISM 7000 and 7900HT Sequence Detection System
January 19, 2005
Applied Biosystems
Phoenix, Arizona

2004

- 10th National CODIS Conference
November 15-17, 2004
Federal Bureau of Investigation
Crystal City, Virginia
- Y-STRs: Practical Considerations and Interpretations and Issues
October 7, 2004
Promega Corporation
Scottsdale, Arizona
- Parentage Mixtures and Statistics
October 4, 2004
Promega Corporation
Scottsdale, Arizona
- 15th International Symposium on Human Identification
October 3-8, 2004
Promega Corporation
Scottsdale, Arizona
- Future Trends in Forensic DNA Technology
September 14, 2004
Applied Biosystems
Phoenix, Arizona
- CODIS Training
October 6-10, 2004
Federal Bureau of Investigation
Vienna, Virginia
- 14th International Symposium on Human Identification
Sept. 29- Oct. 2, 2004
Promega Corporation
Scottsdale, Arizona

2003

- Future Trends in Forensic DNA Technology
August 28, 2003
Applied Biosystems
Scottsdale, Arizona
- Basic Forensic Serology
March 11-14, 2003
California Criminalistics Institute, California Department of Justice
Sacramento, California
- Courtroom Skills

January 13-15, 2003
Quantum Communications
Phoenix, Arizona

2002

- Future Trends in Forensic DNA Technology
September 19, 2002
Applied Biosystems
Scottsdale, Arizona
- Practical Problem Solving in Statistics
October 7, 2002
National Forensic Science Technology Center
Scottsdale, Arizona
- 13th International Symposium of Human Identification
October 7-10, 2002
Promega Corporation
Scottsdale, Arizona
- Advanced 310 Genetic Analyzer and AmpFlSTR
July 9-12, 2002
Applied Biosystems
Phoenix, Arizona

2001

- Forensic Serology Training Program
Nov. 2001 – Feb. 2002
Arizona Department of Public Safety, Central Regional Laboratory
Phoenix, Arizona

1996

- Radiation Safety
May 1996
Risk Management, University of Arizona
Tucson, Arizona
- Laboratory Safety
May 1996
Risk Management, University of Arizona
Tucson, Arizona

CONFERENCE PRESENTATIONS:

MegaPlex Workshop
14th Annual DNA Conference-Bode West
April 11, 2017

Phoenix, AZ

FORENSIC PUBLICATIONS:

Bright JA, Cheng K, Kerr Z, McGovern C, Kelly H, et al. “STRmix collaborative exercise on DNA mixture interpretation.” *Forensic Science International: Genetics*. Vol. 40 (May 2019): 1-8

Schreel, M., Stonehouse, A., and A. Torres 2018. “Assessment of Friction Ridge Skin and Scars with a Focus on Latent Print Examination.” *Journal of Forensic Identification*. Vol. 68, Iss. 1, (Jan-Mar 2018): 43-75

TESTIMONY EXPERIENCE:

Testified ~50 times for Serology and DNA

- US Federal Court District of Arizona- Y-STR Daubert hearing for Native Americans
- Arizona Superior Court – Counties of Maricopa, Pinal, Pima, Santa Cruz, Cochise, Greenlee, Graham

CERTIFICATIONS:

- CODIS Administrator
October 2003
- FBI Quality Assurance Auditor for Forensic DNA Testing Laboratories and DNA Databasing Laboratories
September 2006
- Arizona Post Certified Instructor
July 2007
- ANAB ISO 17025 Certified Technical Assessor
April 2014

AWARDS:

- Department of Justice National Crime Victim’s Rights Week Recipient
April 6, 2017
- Mesa Forensic Services Employee of the Quarter
2016
- Mesa Police Department Teamwork Citation
April 29, 2015
- Arizona DPS Director Unit Citation
May 2008