

DOUGLAS SAUL *Curriculum Vitae*

FORENSIC SCIENCE EMPLOYMENT HISTORY

Charlotte-Mecklenburg Police Department Crime Laboratory

DNA Team Leader

August, 2013 – September, 2015

Work involved the application of advanced laboratory techniques, materials, equipment and instruments for analyzing and typing DNA from body fluids and tissues and the presentation of findings for investigative and prosecution purposes. Responsible for Section Quality Assurance and auditing. Work conducted in accordance with standardized laboratory methods and controls to ensure accurate and verifiable analyses, completeness, and suitability for court presentation. Aided the Chief Criminalist with supervisory duties.

Unit Citation Award (May 13, 2014).

DuPage County Sheriff's Department Crime Laboratory

Forensic Scientist Supervisor

July, 1998 – August, 2013

Technical Leader & Supervisor for the Forensic Biology/DNA Section. Performed and demonstrated proficiency in Forensic Biology and DNA procedures. Trained others in these procedures. Testified in court as an expert witness. Maintained Section facilities and equipment. Managed and supervised Section operations and personnel, created and maintained the Technical Process Manual, and implemented, directed, and had responsibility for Section quality management systems. Validated or approved new methods as needed. Monitored the Section's conformance to accreditation standards. As needed, served as Acting Laboratory Director in the Director's absence.

Solicited and managed DNA grants for the laboratory (1998-2000 and 2010-2013). Applied for and awarded a competitive National Institutes of Justice grant for improvement of the DNA laboratory (August 31, 1999).

LIMS administrator for the laboratory (2010-2012). Blood borne Pathogen Safety Officer (1999-2000). Illinois State Police FSC-C Quality Manager for the DNA Section (January, 1999). CODIS Manager for the Crime Laboratory (March, 2000 – November, 2008), responsible for maintaining and managing the laboratory's CODIS site.

DCSO Employee of the Month (February, 2001) and Employee of the year (2001).

Texas Department of Public Safety, Region II Field Laboratory

Criminalist VI

November, 1990 – July, 1998

Performed and demonstrated proficiency in serology and enzyme techniques, hair comparisons, and DNA. Collected evidence from crime scenes and served as an expert witness in court. Maintained chain of custody and inventory of materials, chemicals and other supplies. Implemented quality systems. Technically reviewed cases and served on a state-wide technical review board. Trained and supervised employees in the Serology/DNA section.

Directed the implementation of new technologies such as STRs and CODIS. Conducted original research to develop new and improved techniques and procedures. Consulted and reviewed expansion and remodeling facilities projects for the DNA and serology areas of the Houston Field Laboratory. (September, 1993 and March, 1997)

Arranged, conducted, and documented inspections of laboratories within the Department of Public Safety laboratory system as well as other forensic laboratories.

FORMAL EDUCATION

University of Florida
~~24 hours of graduate coursework~~
Gainesville, Florida
January, 2013 – ~~present~~

Texas Tech University
Bachelors of Science, Chemistry (Biochemistry specialization)
Lubbock, Texas
August, 1989

University of Texas
MIC 335, Applied Molecular Biology and Genetic Engineering course
Austin, Texas
Summer, 1995

Waubonsee Community College
MTH 107.800, Statistics
Aurora, IL
Fall, 2009

PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS

ASCLD-LAB ISO Assessor
Certified Technical Assessor, #1438
August 26, 2011 – present (No expiration date)

American Board of Criminalistics
Certified as a Fellow (formerly, Technical Specialist in Molecular Biology), #1391
March 9, 2004 – September, 2015

American Academy of Forensic Sciences
Provisional Member, 2001-2011; Member, 2011 – ~~present~~

Midwestern Association of Forensic Scientists
Member, 2000 – ~~present~~
Research Committee Member, 2003-2008
Audit Committee Member, 2009-2011
Meeting Planning Committee Member, 2012-2014

ASCLD-LAB DNA Technical Leader/Technical Manager Certificate
Waives Master's degree requirement as provided by QAS 5.2.1.4 (9/1/2011).
March 15, 2000 – present (No expiration date)

Southwest Association of Forensic Scientists
Member, 1997-1999

Texas Department of Public Safety Criminalist's Association
Member, 1995 – 1997

Regional Scientific Working Group on DNA Analysis Methods and the Southwest Working Group on DNA Analysis Methods
Member, 1995 – 1998

Texas Department of Public Safety DNA Advisory Board
Member, January 1994 – January 1998
Committee was responsible for setting DNA policies, inspecting Texas Department of Public Safety laboratories ready to begin PCR analysis, and establishing and reviewing standard operating procedures.

Texas Department of Public Safety Criminalistics Review Committee
Member, January 1994 – December 1995
Committee was responsible for reviewing the casework of the Texas Department of Public Safety chemists, setting policy, and reviewing protocol.

PRESENTATIONS GIVEN

Becoming a “Paperless” Laboratory (4 hour Workshop)
Midwestern Association of Forensic Scientists, 40th Annual Meeting
Lombard, IL; September 21, 2011

Evolution of Forensic Science (1 hour Workshop)
Royal University of Phnom Penh
Phnom Penh, Cambodia; April 1, 2011

Validation of the Automate Express (20 minute presentation)
Also, *The Paperless Laboratory (20 minute presentation)
Midwestern Association of Forensic Scientists 39th Annual Meeting
Kansas City, MO; October 7, 2010

Validation of the Automate Express
Applied Biosystems’ 2010 Future Trends in Forensic DNA Technology
Washington, D.C.; August 17, 2010

Validation of PrepFiler DNA Extraction Technology
Applied Biosystems’ 2009 Future Trends in Forensic DNA Technology
St. Paul, MN; November 19, 2009
Lombard, IL; August 20, 2009
Burlington, VT; July 29, 2009
Seattle, WA; July 21, 2009

Tissue Identification Using Molecular Biology
Midwest Forensic Resource Center DNA Symposium
Ames, IA; June 9-11, 2009

Research and Surveys on DNA storage
Midwestern Association of Forensic Scientists 37th Annual Meeting
Des Moines, IA; October 2-3, 2008

QPCR, DNA Profile Mixture Interpretation, and Lab Practices
Symposium of forensic scientists from various forensic laboratories in the People’s Republic of China
Beijing, China; July 5-6, 2007

A Novel Duplex for Quantitative PCR
Midwestern Association of Forensic Scientists 35th Annual Meeting
Indianapolis, IN; October 9-13, 2006

Sexual Assault Response Team/Nurse Examiner Training
DuPage County, Illinois; 2002

Improvements in DNA processing to increase efficiency & quantifying temperature effects on 310
Genetic Analyzer capillary electrophoresis (Poster)
Midwestern Association of Forensic Scientists 30th Annual Meeting
Minneapolis, MN; September, 2001

Sexual Assault Evidence Collection Seminar
Sabine County, Texas; 1998

Forensic DNA
Houston Police Department Academy, Houston, Texas; May 1995

Sexual Assault Evidence Collection Seminar
Polly Ryan Hospital, Rosenberg, Texas; March 1992

Sexual Assault Evidence Collection Seminar
Woodlands, Texas; 1996

COURTROOM EXPERIENCE

Accepted as an expert and testified between 69 and 84 times in the following district courts:
Mecklenburg County, IL; DuPage County, IL; Kane County, IL; Brazoria County, TX; Chambers County,
TX; Ft. Bend County, TX; Galveston County, TX; Grimes County, TX; Jasper County, TX; Jim Wells
County, TX; Liberty County, TX; Matagorda County, TX; Montgomery County, TX; Sabine County, TX;
San Jacinto County, TX; Walker County, TX; Waller County, TX; Wharton County, TX

AUDITING EXPERIENCE

- ISO Technical Assessor for ASCLD-LAB, April, 2015
- ISO & QAS Technical Assessor for ASCLD-LAB, November, 2014
- ISO & QAS Technical Assessor for ASCLD-LAB, January 12-17, 2014
- DNA Assessor (QAS); National Crime Laboratory of the Cayman Islands, George Town, Cayman Islands; August 1-2, 2013
- ISO & QAS Technical Assessor for ASCLD-LAB; August 14-18, 2011
- DNA Technical Assessor (QAS); Louisiana DPS, Baton Rouge, LA; October 15-16, 2007
- DNA Technical Assessor (QAS); Delaware State Crime Laboratory, Dover, DE; April 23-24, 2007
- DNA Technical Assessor (QAS); Florida Department of Law Enforcement, Tallahassee, FL; November 6-7, 2006
- DNA Technical Assessor (QAS); Office of the Chief Medical Examiner, New York, NY; September 17-19, 2006
- FBI NDIS Panel Member (QAS Reviewer); February, 2006 to present
- DNA Section of the Texas Department of Public Safety, El Paso Field Laboratory, July, 1997
- DNA Section of the Texas Department of Public Safety, Austin Headquarters Laboratory; July, 1997
- DNA section of the Harris County Medical Examiner's Crime Laboratory, Houston, TX; March, 1998
- DNA Section of the Texas Department of Public Safety, Lubbock Field Laboratory; 1996
- DNA Section of the Texas Department of Public Safety, Waco Field Laboratory; 1996
- DNA Section of the Bexar County Crime Laboratory, San Antonio, Texas; March, 1996

SPECIALIZED TRAINING

ASCLD/LAB Technical Assessor Refresher Training (March 2012)
Presented by Anja EinseIn, ASCLD/LAB
ASCLD/LAB website; December 3, 2013

Forensic Relationship Statistics Training (12 hours)
Presented by Kelly Beatty, Marshall University
Wheaton, IL; June 25-26, 2013

DNA Revolution – Next Generation Technologies (Lecture & Lab) (21 hours)
Presented by UNT HSC (moderated by Dr. Budowle & Dr. Eisenberg)
Ft. Worth, TX; May 21-24, 2013

The Essentials of Communicating with Diplomacy and Professionalism (15 hours)
Presented by Yvonne Agnello-Adams for Skillpath
Oak Brook, IL; April 29-30, 2013

DNA Mixture Interpretation (8 hours)
Presented by the National Institute of Standards and Technology
Internet, April 12, 2013

Improving the Effectiveness of Forensic Service (4 hours)
Presented by Paul Speaker, Ph.D., for West Virginia University
ISHI; Nashville, TN; October 18, 2012

Microfluidic Systems for Rapid Forensic DNA Analysis (8 hours)
Presented by James Landers, Bruce Budowle, Thomas Callaghan, et. al.
ISHI; Nashville, TN; October 15, 2012

CODIS 7.0 Required Training, Selected Modules (8 hours)
Presented by the FBI, CODIS Learning Management System
CJIS-WAN (electronically); September 13-14, 2012

Adobe Acrobat X
Presented by Training Connection
Chicago, IL; August 25-26, 2011

ASCLD-LAB Technical Assessor Refresher Training
Presented by Anja EinseIn for ASCLD-LAB
Internet, completed July 13, 2011

Porter Lee BEAST User's Group Meeting
Chicago, IL, May 19-20, 2011

HID 0300: GMID-X Training
Presented by Mark Danus, HID University
Wheaton, IL; April 26-27, 2011

DNA Mixture Interpretation
Presented by the National Forensic Science Technology Center
Clearwater Beach, FL; March 15-17, 2011

Forensic DNA Analysis for the 3500/3500xl
Presented by Ellen Bishop, HID University
Foster City, CA; March 1-2, 2011

NIJ Grant Management Summit
Presented by Sheppo, Rose, Nelson, et. al.
San Diego, CA; October 25-26, 2010

ISO Accreditation for Crime Labs
Presented by AAFS President Joseph Bono
MAFS; Kansas City, MO; October 4, 2010

Testing Lab ISO Assessor Training
Presented by ASCLD/LAB (Einseln/Farrell)
Successful completion of course; accepted as an ASCLD/LAB technical assessor 9/23/10
Denver, CO; August 23-27, 2010

Testimony Workshop
Presented by West Virginia University (Schade)
2010 Summer Continuing Education for Forensic Professionals; Boston, MA; August 7, 2010

Transition to Leadership and Bridging Generational Gaps Workshop
Presented by West Virginia University (Houck/Heames)
2010 Summer Continuing Education for Forensic Professionals; Boston, MA; August 6, 2010

Forensic Y-STR Training
Presented by Sarah Bowen, M.S. at Marshall University Forensic Science Center, Huntington, WV
March 15-19, 2010

Advances in Forensic DNA Workshop
Presented by Bruce Budowle, Ranajit Chakroborty, et. al.
American Academy of Forensic Sciences 62nd Annual Meeting; Seattle, WA; February 22, 2010

Leadership Assessment: Developing the Next Generation of Leaders
Presented by Dr. Wendy Becker and Dr. Ed Pavur
NorthEast Regional Forensic Institute, Albany, NY; February 18-19, 2010

Expert Witness Testimony Techniques for Forensic Scientists in a Post-Daubert Environment
Presented by Ron Smith, Ron Smith & Associates
2008 MAFS Fall Workshop, Des Moines, IA; October 1, 2008

DNA Automation Workshop (24 hours)
Presented by Brian Hoey, the Midwestern Association of Forensic Scientists, et. al.
2008 MAFS Spring Workshop, Madison, WI; May 20-22, 2008

Basics of Forensic Genetic Statistics (4 hours), presented by Dr. George Carmody
Assessing the Significance of Y STR Evidence (4 hours), presented by Dr. Bruce Budowle
18th International Symposium on Human Identification, Hollywood, CA; October 1, 2007

Essentials of a Competent Defense Review of DNA Testing Results (8 hours)
Presented by Dr. Dan Krane and Jason Gilder (Forensic Bioinformatics), Dr. John Butler
(NIST), et. al.
Midwestern Association of Forensic Scientists 35th Meeting, Indianapolis, IN; October 11, 2006

Basic Bloodstain Pattern Interpretation for the Bench Analyst (4 hours)
Presented by Dean Marks and Paulita McGuire (Indiana State Police)
Midwestern Association of Forensic Scientists 35th Meeting, Indianapolis, IN; October 10, 2006

QAS Auditor Refresher Training (16 hours)
Presented by Heather Seubert and Richard Guerrieri (FBI)
Scottsdale, AZ; September 21-22, 2006

Grant Progress Assessment Training
Presented by Mark Nelson, et. al. (NFSTC)
NFSTC, Clearwater Beach, Florida; August 14-15, 2006

Low-Copy Number DNA Analysis
Presented by Dr. Theresa Caragine (OCME, NY)
Internet (DNApolicy.net); January 18, 2006

Management Training for New Supervisors
Skillpath, Naperville, IL; August 2, 2005

Microscopy for Biologists; Airbag Examinations
MAFS, Columbus, OH; October 20, 2003

F.B.I. Certified QAS DNA Auditor
Marshall University/FBI, Huntington, WV; May 13-15, 2002

Low Copy Number Workshop
AAFS, Chicago, IL; February 18-19, 2002

310 Instrumentation Workshop
Midwestern Association of Forensic Scientists, Minneapolis, MN; September 24, 2001

CODIS Local Administrator Training
SAIC/FBI, Vienna, VA; June 19-24, 2000

CODIS In-Service Training for Local CODIS Administrators
Presented by the Illinois State Police
Springfield, IL; February 16-17, 2000

DNA STR Workshop
Presented by the Midwestern Association of Forensic Sciences and the Illinois State Police
Chicago, IL; March 10-12, 1999

STR Instruction and Validation
Presented by the Illinois State Police
FSC-Chicago, December, 1998-September, 1999

Blood borne Pathogens and Right to Know Policies
Presented by Pathfinder Associates
Elgin, IL; March 25, 1999

P30 ELISA and Forensic Biology Methods
Presented by the Illinois State Police
Forensic Sciences Center - Chicago, August, 1998 - September, 1998

Marijuana Leaf Identification
Presented by the Illinois State Police
Forensic Sciences Center - Chicago, October 26 – November 16, 1998

FLSA and Management Policies
Presented by the Texas Department of Public Safety
Region II Headquarters, Houston, TX; January, 1998

CODIS System Administrator Instruction
Presented by S.A.I.C.
Vienna, Virginia; August, 1997

Assertiveness Training for New Managers
Presented by Skillpath
Houston, TX; July, 1997

Management Development Course
Governor's Center, Lago Vista, TX; August, 1996

Latent Print Processing in the Crime Lab; Accident Reconstruction; DNA Quality Assurance
Southwest Association of Forensic Scientists Meeting, Ft. Worth, TX; April, 1996

Regional SWGDAM meeting / RFLP Chemiluminescent procedures course
Austin, Texas; September, 1995

PCR DNA Using Probe Hybridization
Presented by Perkin-Elmer/Applied Biosystems
Texas D.P.S. Headquarters Laboratory, Austin, TX; September, 1993

Forensic Biology, Hair and Arson Training
Presented by the Texas Department of Public Safety
Texas D.P.S. Headquarters Laboratory, Austin, Texas; November, 1990 – June, 1991

GENERAL CONTINUING EDUCATION AND ADDITIONAL EXPERIENCE

Attended the Promega 2013 Technology Tour Seminar
Chicago, IL; June 11, 2013

Attended the 4th Annual Asian Forensic Science Network Meeting
Bangkok, Thailand; November 26-27, 2012 (16 hours)

Attended the 23rd Annual International Symposium on Human Identification (ISHI)
Nashville, TN; October 16-18, 2012 (20 hours)

Attended the Life Technologies 2012 Road Show & Technical Leader Meeting
Chicago, IL; July 23-24, 2012 (7.5 & 2 hours)

Attended the NIJ Conference 2012
Washington, D.C.; June 18-20, 2012 (22 hours)

Local Arrangements Chair for the 40th Annual Fall Meeting of the Midwestern Association of
Forensic Scientists; Lombard, IL; September 18-23, 2011

Attended the 63rd Annual Meeting of the American Academy of Forensic Sciences
Chicago, IL; February 23-25, 2011

Attended the 39th Annual Fall Meeting of the Midwestern Association of Forensic Scientists
(Including Forensic Biology / Latent Print Joint Symposium)
Kansas City, MO; October 6-8, 2010

Attended the 62nd Annual Meeting of the American Academy of Forensic Sciences
Seattle, WA; February 23-26, 2010

Attended the Joint Meeting of SAFS, MAFS, MAAFS, and SWAFS
Orlando, FL; October 21-22, 2009

Attended the Green Mountain DNA Conference
Burlington, VT; July 27-29, 2009

Attended the HID University Seminar (Applied Biosystems)
Seattle, WA; July 21, 2009

Attended the Midwest Forensic Resource Center DNA Symposium
Ames, IA; June 9-11, 2009

Attended the 14th National CODIS Conference (FBI)
Washington, D.C.; November 10-12, 2008

Attended the 37th Annual Meeting of the Midwestern Association of Forensic Scientists
Des Moines, IA; October 2-3, 2008

Attended the 2008 National Institute of Justice Conference
Arlington, VA; July 21-23, 2008

Attended the 13th National CODIS Conference
San Francisco, CA; October 29-31, 2007

Attended the 18th International Symposium on Human Identification
Hollywood, CA; October 2-4, 2007

Attended the 36th Annual Meeting of the Midwestern Association of Forensic Scientists
Indianapolis, IN; October 9-13, 2006

CODIS Program Manager Meeting (FBI)
Scottsdale, AZ; September 20, 2006

Attended the 7th Annual DNA Grantees Meeting
Crystal City, Virginia; June 26-28, 2006

Attended the Future Trends in DNA Technology Hands-on Workshop (Applied Biosystems, 16 hours)
Chicago, IL; April 11-12, 2006

Attended the 11th National CODIS Conference (FBI)
Crystal City, Virginia; November 7-9, 2005

Attended the 35th Annual Meeting of the Midwestern Association of Forensic Scientists
St. Louis, MO; October 6-7, 2005

Attended the 16th International Symposium on Human Identification
Grapevine, TX; September 26-29, 2005

Attended the 6th DNA Grantees Workshop (National Institute of Justice)
Washington, D.C.; June 27-29, 2005

Attended Summer Expedition (Promega Corporation)
Rosemont, IL; June 25, 2005

Attended the 10th National CODIS Conference (FBI)
Washington, D.C.; November 15-17, 2004

Attended the Midwestern Association of Forensic Scientists Meeting; (Includes Future Trends in DNA Symposium sponsored by Applied Biosystems)
Orlando, Florida; September 21-24, 2004

Attended the National CODIS Conference (FBI)
Washington, D.C.; November 2-6, 2003

Attended the Midwestern Association of Forensic Scientists Meeting
Columbus, OH; October 20-24, 2003

Attended the Symposium on Research Developments in Forensic DNA (NIJ)
Washington, D.C.; June 23-25, 2003

Attended the Symposium on Research Developments in Forensic DNA (NIJ)
Washington, D.C.; June 24-26, 2002

Attended the American Academy of Forensic Sciences (Includes Applied Biosystems Workshop)
Chicago, IL; February 18-19, 2002

Attended the 12th Promega Symposium on Human Identification
Biloxi, Mississippi; October, 2001

Attended NIJ Symposium on Research Developments in Forensic DNA
Washington, D.C.; June 6-8, 2001

Attended American Academy of Forensic Sciences Meeting
Seattle, Washington; February, 2001

Attended the Midwestern Association of Forensic Scientists Meeting
Chicago, IL; October, 2000

Attended NIJ Grantees Meeting
Washington, D.C.; February, 2000

Attended 5th Annual CODIS User's Group Meeting (FBI)
Washington, D.C.; November 18-19, 1999

Attended Promega Human Identification Symposium
Scottsdale, Arizona; October, 1995

Attended Regional SWGDAM Meeting
Texas D.P.S. Headquarters, Austin, Texas; March, 1995