

Mary Dawson

CURRENT EMPLOYMENT

2007-Present Consultant for States Attorney, Public Defender, Private
Teaching basic forensics, blood spatter to
Elementary, High School, Library

EDUCATION

Masters of Forensic Science - May 1994
The University of New Haven, West Haven, CT
Major - Criminalistics

Bachelor of Science in Biology Honors – May 1992
Queen's University, Kingston, Ontario
Major - Biology

PROFESSIONAL EXPERIENCE

Sept. 1999-June 2007 Criminalist II
New Hampshire State Police Forensic Laboratory
Concord, NH
Duties include: Assisted in the validation of PM + DQA1
DNA analysis. Perform serology, blood spatter analysis
and DNA casework analysis. Perform review of DNA
reports. Safety Officer, responsible for implementation and
maintenance of safety procedures in the laboratory.

February 1995-
August 1999 Forensic Chemist II, Biology/DNA Unit
Maryland State Police Crime Laboratory
Pikesville, MD
Duties included: Performed conventional serology, DNA
analysis, technical and administrative review on forensic
casework, as well as testimony when necessary. Trained
new analysts and performed validation for DNA
analysis. Performed various duties as DNA Quality
Control & Safety Officer. Organized satellite laboratory
for conventional serology and RFLP analysis.

INTERNSHIPS AND VOLUNTEER WORK

November 1994-
January 1995 Center of Forensic Science DNA Unit
Toronto, Ontario

May 1993-
September 1993 Center of Forensic Science Trace Unit
Toronto, Ontario

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PRESENTATIONS

Guest lecturer at the collegiate level.

Lecturer at the New Hampshire Police Standards and Training Academy and the Keene Police Department for Blood Spatter Interpretation

Dawson, M.J. The Trials and Tribulations of Validating Chemiluminescence (1997) Mid-Atlantic Association of Forensic Sciences Annual Meeting, Roanoke, VA.

Dawson, M.J. DNA Testing at the Maryland State Police Crime Laboratory (1996) Southern Association of Forensic Scientists Annual Meeting, Tallahassee, FL.

CONTINUING EDUCATION

1994 Extraction, Quantification, Amplification, Gene Scanner Detection and Statistical Analysis Database

1995 Chemiluminescence Probe Labeling and Detection

1996 Expert Forensic DNA Testimony
Chemiluminescence Detection for RFLP
STR Analysis and Fluoro-imaging
Continuing Medical Education Course in DNA DataBanks & Repositories,
CODIS Users Group Meeting

1997 STR Multiplexing, Automation and Application
Forensic Statistics and Population Genetics
Technical Working Group on DNA Analysis Methods
Basic Principles of DNA Typing and Interpretation
DNA Typing, Interpretation and Testimony Workshop

1998 STRs Next Generation
Health and Safety in the Workplace
OSHA & Safety: What the Worker Needs to Know

1999 Advanced 310 Genetic Analyzer & AmpFISTR Training
Blood Spatter Interpretation
Quality Control of Pipettes in the Laboratory
STR Interpretation Workshop

2000 DNA in the Laboratory and the Courtroom: Scientific, Technical and Legal Aspects
Casework Guidelines and Mixture Interpretation
Fluorescent STR Validation Workshop
Scientific Working Group on DNA Analysis Methods

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- 2001 Hazardous Waste (RCRA) Initial Training Course
 - Detecting Blood at Crime Scenes
 - Chemical Hygiene Training
 - Bloodstain Pattern Analysis
 - Promega STR Educational Forum
 - Population Statistics and Forensic DNA Analysis
 - DNA Auditor Training
- 2002 Advanced 310 Genetic Analyzer & AmpFISTR Training
- 2003 Advanced Bloodstain Pattern Analysis
- 2004 Capillary Electrophoresis in DNA Analysis
 - New Hampshire State Police Basic Photography School

MEETINGS ATTENDED

- 1993 American Academy of Forensic Sciences Annual Meeting, Boston, MA
- 1994 American Academy of Forensic Sciences Annual Meeting, San Antonio, TX
- 1996 Armed Forces Institution of Pathology, CODIS Meeting, Tallahassee, FL
- 1996 Southern Association of Forensic Scientists Annual Meeting, Tallahassee, FL
- 1996 Mid-Atlantic Assoc. of Forensic Scientists Annual Meeting, Harrisburg, PA
- 1997 Mid-Atlantic Assoc. of Forensic Scientists Annual Meeting, Roanoke, VA
- 1997 Cambridge Healthtech Institute Annual Conference, Fairfax, VA
- 1997 American Academy of Forensic Sciences Annual Meeting, New York, NY
- 1998 OSHA & Safety Meeting, Baltimore, MD
- 1998 Mid-Atlantic Assoc. of Forensic Scientists Health and Safety Fair, Fairfax, VA
- 1999 Mid-Atlantic Assoc. of Forensic Scientists Annual Meeting, Ocean City, MD
- 1998 American Academy of Forensic Sciences Annual Meeting, Reno, NV
- 1999 11th International Symposium on Human Identification, Biloxi, MI
- 2001 7th CODIS User's Conference, State Administrator's Meeting, Arlington, VA
- 2003 National Institute of Justice Fourth Annual DNA Grantees' Workshop,
Washington, DC
- 2005 National Institute of Justice Sixth Annual DNA Grantees' Workshop,
Washington, DC
- 2006 National Institute of Justice Seventh Annual DNA Grantees' Workshop,
Washington, DC

Revised: January 2017