

Kimberly A. Rumrill
Forensic Scientist

Forensic Comparative Science Specialists, LLC
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SPECIALTIES

Serology, Trace Evidence, DNA analysis, blood stain patterns

CURRENT EMPLOYMENT

April 2010 - present Associate Forensic Scientist
Forensic Comparative Science Specialists, LLC
Concord, NH

Duties include: Providing consultation in a number of forensic disciplines for both criminal and civil cases. Conducting administrative and technical reviews of case work. Performing examinations or reexaminations of physical evidence. Assessing transcripts from trials, hearings and depositions. Offering expert testimony. Providing instruction in the areas of crime scene processing, forensic photography, and technical aspects of various forensic science disciplines.

June 1999-present Criminalist II
New Hampshire State Police Forensic Laboratory

Duties include: Examine items of physical evidence for the presence of body fluids and trace evidence. Perform serological and DNA analyses on items of evidence. Process crime scenes for the documentation and preservation of evidence. Train criminalists and supervise trainees. Photograph evidence when necessary. Testify in court as an expert witness.

EDUCATION

Masters of Forensic Science- June 1991
University of New Haven
West Haven, CT
Major-Forensic Science- Criminalistics

**Kimberly A. Rumrill
Forensic Scientist**

EDUCATION (cont.)

Medical Technology-May 1984
Hartford Hospital Allied Health Program
Hartford, CT
Major- Medical Technology

Bachelor of Science-June 1984
Colby-Sawyer College
New London, NH
Major- Medical Technology

PROFESSIONAL EXPERIENCE

January 1994 – June 1999 Criminalist I
New Hampshire State Police Forensic Laboratory
Concord, NH

Duties included: Perform physical, chemical, immunological and biochemical analyses to identify body fluids. Perform conventional serological analyses. Collect trace evidence. Examination of evidence submitted to determine the presence of controlled substances. Testify in court as an expert witness.

December 1992- January 1994 Chemistry Medical Technologist/ Float Supervisor
Dartmouth Hitchcock Medical Center
Lebanon, NH

Duties included: Routine and emergency chemistry analyses on blood and body fluids. Maintenance of analytical equipment and instruments. Preparation of calibrators, stock solutions and other chemistry reagents, quality control management, and peer work review.

December 1991 – December 1992 Laboratory Scientist III
New Hampshire Department of Public Health
Forensic Toxicology Laboratory
Concord, NH

Duties included: Supervise the work product of Laboratory Scientist I and II. Analyze blood and urine extracts for the presence of toxins using the Cobas Fara for screening and a Perkin Elmer GCMS for confirmation. Procedure development, proficiency

Kimberly A. Rumrill
Forensic Scientist

analyses, preparation of controls, standards and calibrators,
maintain quality control and calibration of quantitative glassware.

INTERNSHIPS

July – August 1990 Vermont State Police Crime Laboratory
Waterbury, VT

January – March 1991 Office of the Chief Medical Examiner
State of Connecticut Toxicology Laboratory
West Hartford, CT

PROFESSIONAL ORGANIZATIONS

American Society of Clinical Pathologists
Association for Crime Scene Reconstruction-discontinued
International Association for Identification
Northeastern Association of Forensic Science- discontinued
International Association of Bloodstain Pattern Analysts

CONTINUING EDUCATION

1996 Detection of Blood at Crime Scenes

1997 Laboratory Methods in Forensic Anthropology
 Forensic Anthropology Updates

1998 Biological Evidence Collection
 Bloodstain Pattern Analysis I
 ABI 310 training for STRs
 Application of DNA STR Analysis in Forensic Science, Carlton Univ.
 Blood Spatter Interpretation

1999 Police Photography
 NCIC Supplemental Dental Record Training Program
 Statistical and Population Genetics for Forensic Scientists
 Footprints, Footprint Impressions and Footwear Patterns
 Recovery, Examination and Evidence of Decomposed and Skeletonized Bodies
 Advanced AmpFISTR and ABI Prism 310 Genetic Analyzer Training

2000 Interpretation of DNA Evidence in Casework

Kimberly A. Rumrill
Forensic Scientist

- 2001 Short Tandem Repeat Analysis Data: Processing, Interpretation and Storage
Introduction to the Applications of Forensic Botany in Criminal Investigations
Graduate Course: Bugs, Bones and Botany, Virginia Commonwealth University
DNA Auditor Training
Population Statistics and Forensic DNA Analysis
Undergraduate course: Molecular Genetics, University of Pennsylvania
Promega STR Education Forum

- 2002 Advanced AmpFISTR and ABI Prism 310 Genetic Analyzer Training
Applied Biosystems Future Trends in Forensic DNA Technology

- 2003 Promega DNA Technology Expedition
Advanced Bloodstain Pattern Analysis

- 2004 Capillary Electrophoresis in DNA Analysis

- 2005 Presenting DNA Evidence in Court

- 2006 Statistics in the Courtroom
Genemapper ID software v.3.2
Impact Pattern Reconstruction
PowerPoint® for Use in Bloodstain Analysis Court Testimony
Comprehensive Documentation of Bloodstain Evidence

- 2007 DNA Mixtures and Sole Source Attribution
Bloodstain Pattern Photographic Documentation and Effective Courtroom Report Writing
Advanced Lighting Techniques in Digital Photography
Preparation for Bloodstain Pattern Certification
Future Trends in Forensic DNA Technology Seminar Series
Ethics in Forensic Science: Value Based Decision Making
DNA Auditor Refresher Training
Promega DNA Technology Tour

- 2008 CODIS Software Training
Advanced Bloodstain Pattern Analysis
Forensic Polarized Light Microscopy Training

- 2009 Advanced Forensic Microscopy: Hair and Fibers

- 2010 Hair Evaluation for DNA Analysis
Hair Comparison
Bloodstain Pattern Analysis for Crime Scene Reconstruction
Quality Assurance in Bloodstain Pattern Analysis

- 2011 Fluid Dynamics in Bloodstain Pattern Formations, MNBCA

Kimberly A. Rumrill
Forensic Scientist

- 2012 Fluid Dynamics in BSPA trajectory, Savannah, GA, Keith Morris
CODIS 7.0 software training, Charleston, SC
- 2013 NIST DNA Mixture Interpretation Webcast
- 2014 NIST DNA Series: Probabilistic Genotyping and Software Programs
Promega DNA Technical Tour Seminar
Examination and Analysis of Biological Evidence, ISHI, Phoenix, AZ

MEETINGS ATTENDED

- 1990 42nd Annual American Academy of Forensic Science Meeting, Cincinnati, OH
16th Annual Northeastern Association of Forensic Scientists Meeting, Albany, NY
- 1991 17th Annual Northeastern Association of Forensic Scientists Meeting, Providence, RI
- 1999 15th Triennial International Association of Forensic Sciences Meeting, Los Angeles, CA
10th International Symposium on Human Identification, Orlando, FL
- 2000 26th Annual Northeastern Association of Forensic Scientists Mtg, Saratoga Springs, NY
- 2001 53rd Annual American Academy of Forensic Science Meeting, Seattle, WA
New England Scientific Working Group on DNA Analysis Methods, Concord, NH
- 2003 30th Annual New England Seminar in Forensic Sciences, Colby College, Waterville, ME
New England Division of the International Association for Identification Conference,
Manchester, NH
- 2004 DNA Grantees Workshop, Washington DC
- 2005 CODIS State Administrator meeting, Arlington, VA
16th International Symposium on Human Identification, Grapevine, TX
- 2006 3rd Annual Advanced DNA Technology Workshop, San Diego, CA
International Association for Identification 91st International Education Conference,
Boston, MA
- 2007 59th Annual American Academy of Forensic Science Meeting, San Antonio, TX
International Association for Identification 92nd International Education Conference, San
Diego, CA
13th National CODIS Conference, San Francisco, CA
CODIS State Administrator Meeting, San Francisco, CA

Kimberly A. Rumrill
Forensic Scientist

- 2009 New England Serology Scientific Working Group, Concord, NH
2nd Annual Green Mountain DNA Conference, Burlington, VT
- 2010 3rd Annual Green Mountain DNA Conference, Burlington, VT
Forensic Bloodstain Pattern Analysis Symposium, Ames, IA
Northeastern Association of Forensic Scientists / New England Division of the
International Association for Identification Joint Meeting, Manchester, VT
- 2011 CODIS State Administrators Meeting, Quantico, VA
4th Annual Green Mountain DNA Conference, Burlington, VT
- 2012 23rd International Symposium for Human Identification, Nashville, TN
- 2013 12th Annual Advanced DNA Technical Workshop-East, Amelia Is, FL
- 2014 25th International Symposium for Human Identification, Phoenix, AZ
- 2015 14th Annual Advanced DNA Technical Workshop-East, Orlando, FL

TEACHING ACTIVITIES

Bloodstain pattern analysis classes for local and state law enforcement agencies, colleges, high schools and other social and civic organizations.

Guest lecturer on various forensic science topics for local and state law enforcement, high schools and other social and civic organizations.

PRESENTATIONS

A Tiered Approach to DNA Analysis in Major Cases:

10th Annual Advanced DNA Technical Workshop 2013-West, San Diego, CA

12th Annual Advanced DNA Technical Workshop 2013-East, Amelia Is, FL

25th International Symposium for Human Identification, Phoenix, AZ-poster session

22nd International Association for Identification New England Division 2015, Burlington VT