

Curriculum Vitae

Dr. Maria C. Pettolina, CSCSA

EDUCATION

D.M. Colorado Technical University, Doctor of Management: Higher Education
Teaching and Learning, March 2020

M.S. Philadelphia College of Osteopathic Medicine, Forensic Medicine, August 2007

B.A. LaSalle University, Criminal Justice, May 2005, *Cum Laude*, *Sole Recipient of the Criminal Justice Department Award*

CERTIFICATIONS

Certified Senior Crime Scene Analyst (#CS12986), International Association for Identification,
August 2018-August 2022

CURRENT PROFESSIONAL ROLE

Lecturer, University of Northern Colorado
(Greely, CO), March 2020-present

Full-time faculty member for the Criminology and Criminal Justice Department beginning in Fall 2020 and program manager for the criminal investigation certificate. Current advisor and lecturer for forensic certificate courses.

Owner and Forensic Expert, Future Focus Forensics
(Denver, Colorado), April 2018-present

Forensic Consultant, State of Colorado
(Boulder, Colorado), December 2018-present

This is a contract position with University of Colorado Police Department (CUPD). The position provides forensic consulting to the Property and Evidence Section and the Crime Scene Investigation Section of the police department. The main goal of this position is to provide advice and expertise to assist in the development, revision, and/or implementation of training, policy and procedure and overall organization to prepare the agency for national accreditation.

OTHER TEACHING ROLES

Instructor, Red Rocks Community College
(Denver, Colorado)

- CRJ 231: Introduction to Criminalistics/Forensics
- CRJ127: Crime Scene Forensics

Instructor, Community College of Denver
(Denver, Colorado)

- CRJ 231: Introduction to Criminalistics/Forensics

Instructor, Colorado Technical University
(Aurora, CO)

Lead Forensic Instructor responsible for providing quality instruction to students through well prepared classes, relevant assignments, fair and holistic assessment of learning, clear documentation of student progress, and support of the academic success for at-risk students.

- CJFI410: Advanced Crime Scene Forensics
- CJFI420: Forensic Photography
- CJFI430: Medico-Legal Death Investigations
- CJFI450: The Recovery of Human Remains
- CJFI451: Introduction to Ridgeology
- CJUS360: Introduction to Criminalistics
- CJUS410: Criminal Investigation

PAST PROFESSIONAL EXPERIENCE

Crime Scene and Evidence Manager, Parker Police Department
(Parker, CO), October 2016-October 2018

This was a safety-sensitive position, exercising a high degree of discretion, trust, and confidence. The function performs professional and supervisory work over both forensic crime scene investigation members and property members, provides leadership and direction, devises and evaluates performance standards for the assigned area, and develops long range and short-term goals and objectives for the assigned area in conjunction with departmental plans and goals. This position must be able to meet all essential duties and responsibilities listed in the Crime Scene Investigator III job description.

In addition, the position encompasses recording and securing property and evidence as established under law, policy and procedure, and municipal ordinance. This function supervises all crime scene and property functions for the Town of Parker. This function will supervise both the crime scene investigation members and property members as described and detailed in the Intergovernmental Agreement (IGA) for the Lone Tree Police Department.

Crime Scene Investigator II, Aurora Police Department
(Aurora, CO), January 2012-October 2016

Investigates crime scenes; locates, identifies, classifies, collects and preserves crime scene evidence; photographs evidence; prepares reports on investigations; assists coroner at death scenes; attends autopsies to collect evidence and photograph examinations; takes measurements of crime scenes and produces scaled drawings; testifies in court as required; and performs additional duties as required.

Crime Scene Investigator, Durham Police Department
(Durham, NC), December 2009-January 2012

A responsible civilian position with assigned tasks involving detection, collection and preservation of physical evidence found at crime scenes, fingerprint processing and analysis,

photography, physical evidence examination and analysis; in cooperation with sworn officers and court officials involved in the investigation and prosecution of criminal cases throughout Durham County; and other forensic duties pertaining to cases under investigation.

PUBLICATIONS

- Pettolina, M. (2019). Even are allowed to have feelings. *Evidence Technology Magazine.*, Winter 2019 Issue. Retrieved from https://read.nxtbook.com/wordsmith/evidence_technology/winter_2019/cover.html
- Jokerst, D. & Pettolina, M. (2019). NIBIN policy and procedure. *Evidence Technology Magazine.*, Fall 2019 Issue. Retrieved from https://read.nxtbook.com/wordsmith/evidence_technology/fall_2019/index.html
- Jokerst, D. & Pettolina, M. (2019). NIBIN policy and procedure. *International Association for Property and Evidence, Inc.*, (2), 52-53. Retrieved from http://iape.org/evidencelog/current/evidencelog_2019no2.pdf
- Jokerst, D. & Pettolina, M. (2018). Property and evidence warehouse: Ensuring victim's rights from the back room. *End the back log*. Retrieved from <http://www.endthebacklog.org/blog/property-and-evidence-warehouses-ensuring-victims-rights-back-room>
- Pettolina, M., Rainey, J., & Sanchez, R. (2017). Detection of latent bloodstains under coats of paint using BLUESTAR FORENSIC®. *Journal of Forensic Identification*, 67(3), 341-353.

PUBLIC SPEAKING ENGAGEMENTS/TRAINING GIVEN

- Use of ALS lights to Document Injuries*, Assistant Instructor, TriTech Forensics, Douglas County Sheriff's Office, (Highlands Ranch, CO), February 2020
- Death Investigations*, University of Northern Colorado (Greeley, CO) February 2020
- Death Investigations*, West Virginia University (Beckley, WV), January 2020
- Century 16 Aurora Theater Shooting with the Federal Bureau of Investigation*, Tri-Division Educational Conference (Salt Lake City, UT), November 2019
- Crime Scene Photography and Evidence Packaging*, Red Rocks Community College (Lakewood, CO), November 2019
- Keynote Presentation*, Northwest Association of Forensic Scientists & Pacific Northwest Division of the International Association of Identification (Portland, OR), August 2019
- Century 16 Aurora Theater Shooting with the Federal Bureau of Investigation*, FBI Command Level School (Denver, CO), July 2019
- Century 16 Aurora Theater Shooting with the Federal Bureau of Investigation*, Indiana Division of the International Association of Identification-Conference (Indianapolis, IN), September 2018
- Century 16 Aurora Theater Shooting with the Federal Bureau of Investigation*, Western Division of the International Association of Identification-Conference (Las Vegas, NV), April 2018
- Citizen's Academy*, Parker Police Department (Parker, CO), April 2018
- Century 16 Aurora Theater Shooting with the Federal Bureau of Investigation*, Wisconsin International Association of Identification Annual Seminar (Elkhart Lake, WI), March 2018

In Service Police Officer Training, Parker Police Department (Parker, CO), March 2018
Death Investigations, Chaparral High School (Parker, CO), December 2017
Crime Scene Investigation, Metropolitan University of Denver (Denver, CO), November 2017
Death Investigations, Chaparral High School (Parker, CO), November 2017
Crime Scenes Investigated, Night with the Coroner (Parker, CO), October
Citizen's Academy, Lone Tree Police Department (Parker, CO), October 2017
Crime Scene Management under the Microscope: Techniques for Handling Mass Shooting Events- Presenter, International Association for Identification Educational Conference (Atlanta, GA), August 2017
Latent Print Processing and DNA Collection, Lone Tree Police Department (Lone Tree, CO), May 2017
Citizen's Academy, Lone Tree Police Department (Parker, CO), October 2017
Citizen's Academy, Parker Police Department (Parker, CO), October 2017
Crime Scene Documentation and Collection, Utah Valley University (Orem, UT), February 2016
Women in Law Enforcement: Understanding the Professional Environment, Colorado Technical University (Colorado Springs, CO), October 2015
Homicide Investigations Pilot Series, Left Right Productions (New York, NY), March 2013

CIRRICULUM DEVELOPMENT/OTHER TRAINING GIVEN

Developed Curriculum for Death Investigations, *TriTech Forensics*, July 2020
Instructed and Developed the Curriculum for Evidence Photography, *University of Northern Colorado*, (Greeley, CO), May 2020
Updated the Curriculum for Criminalistics (CJFI360), *Colorado Technical University* (Online), May 2020
Developed the Curriculum Forensic Symposium, *Red Rocks Community College* (Lakewood, CO), January 2020
Developed the Curriculum for Emotional Wellness for Crime Scene Investigators), *Parker Police Department* (Parker, CO), July 2018
Developed the Curriculum for Criminalistics (CJFI360), *Colorado Technical University* (Online), January 2016

INTERNSHIPS

Crime Scene Unit, Philadelphia Police Department (Philadelphia, PA) 2008
Medical Examiner's Office, City of Philadelphia (Philadelphia, PA) 2007
Medical Examiner's Office, Gloucester County (Clarksboro, NJ) 2007

CERTIFICATE TRAINING

Creating Courtroom Deliverables with FARO SCENE Software (2hrs), (Webinar), May 2020
Tri-Division Educational Conference (36hrs), (Salt Lake City, UT), November 2019
Emotional Wellness for Crime Scene Investigators (16hrs), Parker Police Department (Parker,

CO), July 2018

Math & Physics for Bloodstain Pattern Analysis (40hrs), TriTech Forensics (Wheatridge, CO), June 2018

Colorado Association of Property and Evidence Technicians Educational Conference (8hrs), (Commerce City, CO), May 2018

International Association for Identification Western Division Educational Conference (40hrs), (Las Vegas, NV), April 2018

- *Footwear Detection, Documentation, Collection and Preservation (4-hour workshop)*, (Las Vegas, NV), April 2018

Mental Health First Aid (8hrs), National Council for Behavioral Health (Parker, CO), December 2017

Leadership Skills for Challenging Times (20hrs), Public Agency Training Council (Denver, CO), November 2017

International Association for Identification Educational Conference (40hrs), (Atlanta, GA), August 2017

CSI Certification Test Preparation (40hrs), Forensic Pieces (Parker, CO), July 2017

Forensic Shooting Incident Reconstruction (40hrs), Forensic Science Consultants' (Fort Collins, CO), July 2017

Essential Ridgeology Concepts (40hrs), Ron Smith and Associates (Denver, CO), March 2017

Supervisory Leadership Institute for Law Enforcement (28hrs), Federal Bureau of Investigation, LEEDA (Parker, CO), February 2017

Advanced Shooting Incident Reconstruction (40hrs), Forensic Pieces (Gloucester County, NJ), December 2015

Bloodstain Pattern Analysis II (40hrs), Bevel, Gardner, and Associates (Brighton, CO), January 2015

Shooting Incident Reconstruction (40hrs), Bevel, Gardner, and Associates (Grand Junction, CO), November 2014

Fire Effects on Crime Scene Investigation and Basic Arson Investigation (8hours), Colorado Forensic Investigation (Arvada, CO), August 2014

Mobile Device Examiner Training (14 hours), Aurora Police Department (Detective Mike Leiker), May 2014

Integrated Ballistic Identification System (15hrs), West Virginia University (Online), February 2014

Advanced Forensic Investigations for Hazardous Environments (40hrs), FEMA (Thornton, CO), November 2013

Missing and Unidentified Persons Conference (24hrs), Virginia Beach Police Department (Virginia Beach, VA), October 2013

Forensic Light Source and Photography Training (16hrs), SPEX Forensics (Littleton, CO), May 2013

Forensic Sciences: An Overview for Medicolegal Death Investigators (16hrs), National Institute of Justice (Online), April 2013

Forensic Entomology for the Crime Scene Investigator (15hrs), West Virginia University (Online), December 2012

Bloodstain Pattern Analysis (40hrs), Colorado Forensic Investigation Group (Thornton, CO), November 2012

ComPHOTOfit and Color III Facial Composite Software (8hrs), Sirchie Laboratory Education and Training (Aurora, CO), November 2012

Perspectives in Expert Testimony (15hrs), West Virginia University (Online), November 2012

Focus 3D/Scene Vision 3D-3 Day Basic Crime Scene Capture and Reconstruction (24hrs), 3rdTech, Inc. (Aurora, CO), August 2012

Presumptive Drug Field Testing (10hrs), Aurora Police Department Crime Laboratory (Aurora, CO), August 2012

Certified CSI Test Prep (25hrs), West Virginia University (Online), June 2012

Introduction to Toolmarks and Firearms (26hrs), West Virginia University (Online), May 2012

Death Investigations in the Elderly (1.5hrs), National Institute of Justice (Online), October 2011

Collection, Documentation, and Preservation of Footwear and Tire Track Impressions (36hrs), Ron Smith and Associates (Durham, NC), October 2011

Bloodstain Pattern Documentation (40hrs), Sirchie Laboratory Education and Training (Youngsville, NC), May 2011

Death Investigations (40hrs), North Carolina Justice Academy (Edneyville, NC), May 2011

Mapping and Exhumation of Clandestine Burials (1hr), National Institute of Justice (Online), March 2011

Offender Profiling: Behavioral Crime Scene Analysis (1hr), National Institute of Justice (Online), March 2011

Digital Crime Scene and Evidence Photography (24hrs), Ron Smith and Associates (Lake Charles, LA), January 2011

Chemical Processing and Advanced Photography (40hrs), North Carolina Justice Academy (Salemberg, NC), January 2011

Homicidal Drowning Investigation (16hrs), Lifeguard Systems, Inc. (Durham, NC), December 2010

North Carolina Homicide Investigators Association-Attendee (28hrs), Fall Conference (Carolina Beach, NC), November 2010

Child Death Investigation (16hrs), North Carolina Justice Academy (Salemberg, NC), August 2010

Henry Classification and Comparison (40hrs), Sirchie Laboratory Education and Training (Youngsville, NC), July 2010

Crime Scene Investigation (80hrs), North Carolina Justice Academy (Salemberg, NC), March 2010

Essentials of Crime Scene Investigation (40hrs), National Institute of Justice
(Largo, FL), March 2010

Suicide Investigation (16hrs), North Carolina Justice Academy
(Salemberg, NC), February 2010

COURT TESTIMONY

The People of the State of Colorado vs. Jeremy Sath (D0032017CR002252/Murder-1 After Deliberation), Arapahoe District/County Court (Centennial, CO), January 2019

- Qualified as an expert in the *Crime Scene Investigation*

The People of the State of Colorado vs. Richard Alan Darling (D0032015CR002979/Murder-1-After Deliberation), Arapahoe County Court (Centennial, CO), January 2018

The People of the State of Colorado vs. Jose Manuel Estrada (D0032015CR002366/Burglary), Arapahoe County Court (Centennial, CO), October 2017

The People of the State of Colorado vs. Phoebe Racquel Jones (D0032016CR001452/Agg-Poss Real/Simulated Weap-ATT), Arapahoe County Court (Centennial, CO), September 2017

The People of the State of Colorado vs. Sababu-Colbert-Evans (D0032016CR000627/Murder 1-Extreme Indifference-ATT), Arapahoe County Court (Centennial, CO), May 2017

The People of the State of Colorado vs. Antoine Calvin Spencer (D0032015CR000154/Aggravated Robbery), Arapahoe County Court (Centennial, CO), February 2016

The People of the State of Colorado vs. Jahvell Daquan Forrest (D0012014CR003408-Attempted Murder of a Peace Officer), Adams County Court (Brighton, CO), January 2016

The People of the State of Colorado vs. Emery Wayne Trombley (D0012015CR01219-Weapon Possession/Previous Offender), Adams County Court (Brighton, CO), January 2016

The People of the State of Colorado vs. Elmo Jesse Johnson (D0032014CR002330-Murder), Arapahoe District/County Court (Centennial, CO), December 2015

The People of the State of Colorado vs. Emmanuel Fisher (D0032012CR002171/Robbery), Arapahoe District/County Court (Centennial, CO), October 2015

- Qualified as an expert in the *Crime Scene Investigation: Processing of Latent Evidence*

The People of the State of Colorado vs. Toriana Rene Moore (D0032012CR002163/Robbery), Arapahoe District/County Court (Centennial, CO), September 2015

- Qualified as an expert in the *Crime Scene Investigation: Processing of Latent Evidence*

The People of the State of Colorado vs. James Egan Holmes (D0032012CR001522/Murder), Arapahoe District/County Court (Centennial, CO), May 2015

The People of the State of Colorado vs. Gerald Waters (D0032012CR002163/Robbery), Arapahoe District/County Court (Centennial, CO), May 2015

- Qualified as an expert in the *Crime Scene Investigation*

The People of the State of Colorado vs. Jermaine Jerome Wright (D0032014JD000276/Attempted Burglary), Arapahoe District/County Court (Centennial, CO), July 2014

- Qualified as an expert in the *Crime Scene Investigation: Processing of Latent Evidence*

The People of the State of Colorado vs. Daniel Ryan Lovato (D0032013CR000197-Sexual Assault), Arapahoe District/County Court (Centennial, CO), June 2014

The People of the State of Colorado vs. Kenneth Boyd Harris (D0032013CR001651-Murder 1), Adams County Court (Brighton, CO), June 2014

State of North Carolina vs. Robert Wilkerson (10-6700/Homicide), District Criminal Court (Durham, NC), April 2014

The People of the State of Colorado vs. Brian Keith Williams (D0032012CR002380-Homicide), Arapahoe District/County Court (Centennial, CO), October 2013

The People of the State of Colorado vs. Blair Ohollearn (D0032012CR001041-Child Abuse), Arapahoe District/County Court (Centennial, CO), June 2013

State of North Carolina vs. Gabriel James Gamez (11-019227/Homicide), District Criminal Court (Durham, NC), April 2013

State of North Carolina vs. Terry Green (11-008204/Homicide), District Criminal Court (Durham, NC), September 2012

State of North Carolina vs. Roger Evans (11-019494/Homicide), District Criminal Court (Durham, NC), June 2012

State of North Carolina vs. Raymond Parker (11-006285/Armed Robbery), District Criminal Court (Durham, NC), May 2012

State of North Carolina vs. Michael Hall (10-016495/Death Investigation), District Criminal Court (Durham, NC), February 2011

FORENSIC CONSULTING

State of Colorado vs. Micah Kimble (Hired by Criminal Defense Attorneys: Law Offices of Eytan Nielsen), District Criminal Court (Denver, CO), Client acquitted of Murder on August 14, 2020

PROFESSIONAL AFFILIATIONS

Member of CSI Subcommittee, Organization of Scientific Area Committees,
May 2020-present

Member and Creator, Friends Through
Forensics, November 2018-present

Member, Colorado Forensic Investigation Group,
December 2012-present

Member, International Association for Identification,
January 2013-present

Member, Rocky Mountain Association of Bloodstain Pattern Analysts,
January 2013-present

Member, Colorado Association of Property and Evidence Technicians,
January 2017-present

Member, Rocky Mountain Division of the International Association for Identification,
January 2013-present

Member, International Association for Property and Evidence Inc.,
March 2018-December 2018

*Member, International Association of Bloodstain Pattern Analysts,
January 2017-December 2018*

*Member, Association for Crime Scene Reconstruction,
September 2015-December 2018*

*Member, North Carolina Homicide Investigator Association,
November 2010-January 2012*

AWARDS AND COMMENDATIONS

*Letter of Appreciation, PNWD-IAI and NWAFFS, Letter of Appreciation from Angela Hillard,
(Portland, OR), October 2019*

*Letter of Appreciation, Rocky Mountain Division of the IAI, Letter of Appreciation from
Ivanie Meier, Senior Criminalist (Westminster, CO), June 2018*

*Letter of Appreciation, Wisconsin Division of the IAI, Letter of Appreciation from Lisa
Hudson, Detective (Wauwatosa, WI), May 2018*

*Certificate of Appreciation, Parker Police Department, Letter of Appreciation from
Doreen Jokerst, Commander (Parker, CO), February 2017*

*Letter of Appreciation, Aurora Police Department, Letter of Appreciation from Nicholas J.
Metz, Chief of Police (Aurora, CO), November 2015*

*Letter of Appreciation, Arapahoe County District Attorney's Office, Letter of Appreciation from
Karen Pearson, Deputy District Attorney (Centennial, CO), November 2015*

*Performance Appraisal Entry, Aurora Police Department, Letter of Appreciation from
Sgt. Matthew Fyles, Major Crimes Unit (Aurora, CO), November 2014*

*Performance Appraisal Entry, Aurora Police Department, Letter of Appreciation from
Sgt. Matthew Fyles, Major Crimes Unit (Aurora, CO), June 2014*

Student Experience Award, Colorado Technical University, May 2014

Educator of the Year Nomination, Colorado Technical University, March 2014

*Performance Appraisal Entry, Aurora Police Department, Letter of Appreciation from
Sgt. Matthew Fyles, Major Crimes Unit (Aurora, CO), March 2014*

Student Experience Award, Colorado Technical University, December 2013

*Performance Appraisal Entry, Aurora Police Department, Letter of Appreciation from
Sgt. Patrick Smith, Major Crimes Unit (Aurora, CO), October 2013*

*Performance Appraisal Entry, Aurora Police Department, Letter of Appreciation from Sgt.
Mark Hildebrand, Police District 1 (Aurora, CO), July 2013*

PROFESSIONAL REFERENCES

Available Upon Request