

KAREN L. SMITH

(904) 537-7435

Email: ksmith6764@ufl.edu

Education

Ph.D. Candidate, University of Florida School of Criminology & Law, (June 2018);
Committee: Dr. Lora Levett (Chair), Dr. Lonn Lanza-Kaduce, Dr. Jodi Lane, Dr. Chuck Peek, Dr. Ian Tebbett.

M.S. Pharmacy with a Concentration in Forensic Science, University of Florida, 2010

B.A. Criminal Justice, University of North Florida, 2007, Magna Cum Laude

A.A. Humanities, Florida State College, 2002

Master's Project

“Contextual Effects in Bloodstain Pattern Analysis: Why reticence is relevant.”

Committee: Dr. Ian Tebbett, Dr. Donna Wielbo, Dr. Oliver Grundmann

Professional Experience

University of Florida, March 2014-Present

School of Pharmacy: Adjunct Faculty/Lecturer, Forensic Science Graduate Program

August 2015-Present: School of Sociology and Criminology & Law; GA, Instructor

CSI Academy of Florida, March 2014-August 2015

Director of Forensic Education

University of Tennessee, June 2013-February 2014

National Forensic Academy, Training Consultant II

Jacksonville Sheriff's Office, Jacksonville, Florida, November 1999-May 2013

Police Officer, Detective, Training Coordinator--Patrol, Task Force, Crime Scene Unit

Professional Associations/Nominations/Certifications

American Academy of Forensic Sciences, Associate Member

International Association for Identification, Member

Australia New-Zealand Forensic Science Society, Provisional Member

Florida Division of the International Association for Identification, Member

International Association of Bloodstain Pattern Analysts, Member

American Psychology-Law Society, Division 41, Member and U. of Florida Representative

Florida Association of Private Investigators, Member, Board Accredited Investigator

POST Law Enforcement certification

Alachua Police Department Reserve Officer

Designations, Volunteer Work

International Association for Identification, Crime Scene Investigation Committee Member

Career Source North Central Florida Board, Youth and Education Committee Member

Changing Hearts Food Mission, Treasurer

Criminal Justice Syndicate, University of Florida, Member

Honors, Awards and Recognitions

'Six Pillars of Character' Award, Jacksonville Sheriff's Office 2010
Eight Commendations for Investigations, 2005-2012
Respect for Law Award, Arlington Lion's Optimist Club, 2009
Golden Key National Honor Society

Testimony, Homicide Trials

Fourth Judicial Circuit, Florida

State v. Bryant, State v. Banks (life and capital), State v. Foss, State v. Lane, State v. Mosley, State v. Winn, State v. Ramirez, State v. Alvarez, State v. Peterson, State v. Hang, State v. Erazo, State v. Drake, State v. Walker, State v. Lukaj, State v. Ramirez (Appellate), State v. Reeves, State v. Yacob, State v. N.Walker, State v. Johnson, State v. Houston, State v. Joseph, State v. Wright, State v. Dolorbe, State v. Wilkerson, State v. Jackson, State v. King, State v. Overton, State v. Williams, State v. King, State v. Bratton, State v. Dunn, State v. Fuller, State v. Dunn (2nd), State v. Lance, State v. Kirkpatrick, State v. Thompson, State v. Johnson, State v. Atwater.

Basic crime scene investigation procedures, photography, latent print processing, collection and preservation of evidence. Technical testimony regarding the alternative light source, latent print development and recovery techniques, bloodstain pattern analysis, presumptive blood testing, luminol/Bluestar applications, amido black protein stain, bullet trajectory reconstruction, DNA collection and preservation.

Testimony Accepted as an Expert Witness

4th Judicial Circuit, Florida

State v. Johnson. Bloodstain pattern analysis, crime scene analysis.
State v. Kirkpatrick. Bloodstain pattern analysis, crime scene reconstruction.
State v. Fuller. Bloodstain pattern analysis.
State v. N. Walker. Bloodstain pattern analysis.
State v. Joseph. Bloodstain pattern analysis.
State v. Wilkerson. Bloodstain pattern analysis.
State v. Williams. Bloodstain pattern analysis.
State v. Bell. Bloodstain pattern analysis (deposition, case pending).

8th Judicial Circuit, Florida

State v. Thompson. Crime scene analysis.

18th Judicial Circuit, Florida

State v. Washington. Bloodstain pattern analysis, bullet trajectory reconstruction.

11th Judicial Circuit, Florida

State v. Martin, Presumptive blood testing, luminol testing (deposition, case pending).

Crime Scene Analysis

- August, 2007. Request by Los Angeles County Homicide Detective S. Eguchi to process murder suspect John Burgess' pickup truck for evidence in the disappearance of 19 year-old Donna Jou. Case closed.
- October, 2011. Request by Jacksonville Sheriff's Office Cold Case to locate possible touch DNA on clothing and jewelry from a 2006 homicide investigation involving a possible known assailant. Case pending.
- June, 2011. Request by JSO Cold Case to locate possible blood evidence of a struggle or death in an abandoned house from a 1988 homicide. Case pending.
- March, 2012. Request by JSO for bloodstain pattern analysis of a blunt force trauma homicide in situ. Case closed.
- June, 2012. Request by Miami Police Department for assistance in locating trace blood in a vehicle used in a homicide. Case pending.
- August, 2012. Request by JSO Traffic Homicide for analysis of bloodstain patterns in a DUI manslaughter. Bloodstain patterns on clothing and the recovery of anagen phase hairs led to the placement of the suspect in the driver's seat and charges to be filed by the State Attorney's Office. Case closed.
- September, 2012. Request by JSO homicide to reconstruct a domestic murder-suicide in situ. Reconstruction determined that the husband fired the fatal shot to his wife prior to ending his own life. Case closed.
- October, 2012. Request by JSO homicide for bloodstain pattern analysis of a blunt force trauma homicide. Case closed.
- November, 2012. Request by JSO traffic homicide for analysis of bloodstain pattern evidence on a multiple-rollover SUV crash and clothing worn by the suspect. Analysis revealed the suspect's shirt had been worn inside out, the suspect had indeed been driving and caused the ejection and death of the female passenger. Case closed.
- November, 2012. Request by JSO homicide to investigate an abandoned trailer for evidence of a blunt-force trauma homicide. Case pending.
- December, 2012. Request by JSO homicide and the State Attorney's Office for analysis of bloodstain pattern evidence on and around the victim of a homicide. Case closed.
- February, 2013. Request by JSO homicide and the State Attorney's Office for analysis of bloodstain patterns on a vehicle, clothing and weapon. Case closed.
- October, 2013. Request by Knoxville Sheriff's Office to review a 1991 case and attempt to reconstruct bloodstain patterns from the scene via the case file. Case pending.
- March, 2014. Request by Attorney William Salmon on behalf of the Eighth Judicial Circuit Court to review evidence in a homicide. Case closed.
- March, 2014: Request by relative of murder victim Frances Bullock to review evidence in a 51 year-old cold case in Franklin, North Carolina. Case reopened and pending results.
- December, 2014: Request by public defender, 17th Florida Circuit, to review a 2nd degree homicide case. Case pending.
- March, 2015: Request by Atty. Samuel Bookhardt III to review bloodstain patterns in an aggravated battery case. Case closed.
- July, 2015: Request by Florida 4th Judicial Circuit attorney to review a shooting case. Case closed.
- August, 2015: Request by Florida 3rd Judicial Circuit Public Defender's Office to review bloodstain patterns in a homicide case. Case pending.
- December, 2015: Request by Florida 10th Judicial Circuit Public Defender's Office to review a cold case from 1987. Case pending.
- March, 2016: Request by Fort Myers Police Department to review bloodstain patterns and crime scene photographs from a questionable suicide. Case pending.
- March, 2016: Request by ASA London Kite, 4th Judicial Circuit, to review crime scene reconstruction and bloodstain analysis on a capital murder case. Case pending.

Professional Training

2002	Photography for Crime Scene Investigations Northeast Florida Criminal Justice Training Center	40 hours
2002	Alternate Light Source Applications Northeast Florida Criminal Justice Training Center	16 hours
2002	Latent Print Recovery and Processing Workshop Northeast Florida Criminal Justice Training Center	40 hours
2003	Major Case Crime Scene Detective Training Northeast Florida Criminal Justice Training Center	80 hours
2003	CMS Field Training Officer Criminal Justice Standards and Training Commission	40 hours
2003	Cold Case Homicide Investigations Naval Criminal Investigative Services	16 hours
2003	Bullet Trajectory Reconstruction Northeast Florida Criminal Justice Training Center	40 hours
2004	CMS Instructor Techniques Northeast Florida Criminal Justice Training Center	80 hours
2004	Homicide Investigations Institute of Police Technology and Management	40 hours
2004	Bloodstain Pattern Analysis and Reconstruction Northeast Florida Criminal Justice Training Center	40 hours
2004	Symposium: The Pursuit of Truth Florida Coastal School of Law	10 hours
2005	Kinesic Interview Techniques Northeast Florida Criminal Justice Training Center	24 hours
2006	Digital Photography for Law Enforcement Northeast Florida Criminal Justice Training Center	24 hours
2007	LTI Laser Angle Encoder-Crime Scene Mapping Northeast Florida Criminal Justice Training Center	24 hours
2008	NIMS Response to WMD, Louisiana State University Florida Department of Law Enforcement	40 hours
2008	Investigative Interviews Criminal Justice Standards and Training Commission	40 hours
2009	IAI Annual Conference, Tampa FL (Various courses) Advanced Bloodstain Pattern Analysis Methods	40 hours
2010	Crime Scene Processing Institute for Police Technology and Management	40 hours
2010	Advanced Homicide Investigations Institute for Police Technology and Management	40 hours
2010	Crime Scene Reconstruction Institute for Police Technology and Management	40 hours
2010	Advanced Bloodstain Pattern Analysis Institute for Police Technology and Management	40 hours
2011	Buried Bodies and Surface Skeleton Investigations Institute of Police Technology and Management	40 hours
2013	UV/IR Photography Pinellas County Sheriff's Office	8 hours
2013	Forensic Anthropology University of Tennessee, National Forensic Academy	40 hours
2014	UV/IR Photography Techniques FDIAI Conference, Panama City Beach, Florida	8 hours
2015	American Academy of Forensic Sciences, General Session 67 th Annual Conference, Orlando, Florida	40 hours
2015	Fluid Dynamics of Bloodstain Pattern Formulation Bethlehem, Pennsylvania (via University of Canterbury, NZ)	40 hours

Conference and Professional Presentations

- Smith, Karen L. *How Juror Understanding of DNA Evidence Can Be Influenced by Media Coverage of High-Profile Cases*. Florida Society of the Social Sciences, March, 2016.
- Smith, Karen L. *Expert Witness Testimony: Unbiased opinion*. Florida Association of Private Investigators, Altamonte Springs, Florida, September 2015.
- Smith, Karen L. *The Efficacy of BlueStar Forensic on Wood Floors Coated with Lacquer and Shellac: A Cold Case in Progress*. International Association for Identification, Sacramento, CA, August 2015.
- Smith, Karen L. *The Efficacy of BlueStar Forensic on Wood Floors Coated with Lacquer and Shellac: A Cold Case in Progress*. Florida Division of the International Association for Identification, St. Petersburg, FL, October 2015.
- Smith, Karen L. *Crime Scene Investigations*. University of Florida School of Sociology and Criminology & Law, February, 2015.
- Smith, Karen L. *Death Investigations*. University of Florida School of Sociology and Criminology & Law. November, 2014.
- Smith, Karen L. *Context Effects in Bloodstain Pattern Analysis: Verbal spew, keep it to yourself*. Presented at the Florida Division of the International Association for Identification, Panama City Beach, Florida. October, 2014.
- Smith, Karen L. *Bloodstain Pattern Analysis: Expectations v. Limitations*. Presented at the Florida Association of Private Investigators Annual Conference, Altamonte Springs, Florida. September, 2014
- Smith, Karen L. *Context Effects in Bloodstain Pattern Analysis: Verbal spew, keep it to yourself*. Presented at the International Association for Identification 99th Annual Conference, Minneapolis, Minnesota. August 2014.
- Smith, Karen L. *Introduction to Crime Scene Investigations*. Presented at the Tennessee Highway Patrol Citizen's Academy. November 2013.
- Smith, Karen L. *Writing Directs for the Crime Scene Investigator*. Presented at the Fourth Judicial Circuit Courthouse/Florida Bar Association. April 2013.
- Smith, Karen L. *Courtroom Testimony: CSIs and the Prosecutor*. Presented at the Fourth Judicial Circuit Courthouse. October 2012.
- Smith, Karen L. *Crime Scene Investigation and the Legal System*. Presented at Florida Coastal School of Law. September 2012.
- Smith, Karen L. *There's a Psycho in Our Bedroom: 'Til death do us part*. Presented at the National Mystery Writer's Conference. Orlando, Florida, March 2012.
- Smith, Karen L. *Domestic Violence Homicide*. Presented at Florida Prosecuting Attorneys Symposium on Domestic Violence. Altamonte Springs, Florida, March 2011.
- Smith, Karen L. *Crime Scene Investigations: Debunking the CSI Myth*. Presented at the Association for Healthcare Documentation Integrity. Orlando, Florida, May 2009.

Published Papers

- Smith, Karen L. & Khey, David N. (2016). *Can Investigators Objectively Navigate Bloodstain Pattern Evidence When Presented with Potentially Biasing Information?* National Clearinghouse for Science, Technology and the Law. January 2016.
- Smith, Karen L. *The Efficacy of Blue Star Forensic on Wood Floors Coated with Lacquer and Shellac: A Cold Case in Progress*. Journal of Forensic Identification, March 2015.

Research In Progress

- Dror, I. & Smith, K. L. *Contextual Effects in Bloodstain Pattern Analysis: An empirical test of confirmation bias*. Data collection complete, pending analysis.
- Dror, I. & Smith, K. L. *Irregularities in Evaluation of Bloodstain Patterns Among Trained Investigators*. Data collection complete, pending analysis.

Course Instruction/Curriculum Development**University of Florida: Graduate Courses**

Principles of Forensic Science (TA)	Summer, Fall 2014, Spring, Summer, Fall 2015, Spring 2016
Crime Scene Laboratory (Co-Author/Instructor)	Fall 2014, Spring & Summer 2015

University of Florida: Undergraduate Courses

Juvenile Justice (TA)	Fall 2015
Advanced Principles of Criminal Justice (TA)	Spring 2016
Homicide Investigations (Instructor)	*Summer 2016
Statistical Methodology (Laboratory)	*Fall 2016
Advanced Principles of Criminal Justice (TA)	*Fall 2016

University of Tennessee, National Forensic Academy

Forensic Photography	Co-Instructor
Bloodstain Pattern Analysis	Co-Instructor
Crime Scene Management	Author/Instructor

Florida Gulf Coast University

Criminal Justice Systems & Processes (Instructor)	Spring 2016
Methods of Offender Treatment (Instructor)	*Fall 2016

Florida Division of the International Association for Identification: Region 3

Examination, Documentation, Preservation of Bloodstain Patterns on Clothing	Author/Instructor
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CSI Academy of Florida

Crime Scene Investigation	Co-Author/Instructor
Crime Scene Photography	Co-Author/Instructor
Bloodstain Pattern Analysis	Author/Instructor
Advanced Bloodstain Pattern Analysis	Author/Instructor
Crime Scene Management for First Responders	Author/Instructor
Courtroom Testimony for Crime Scene Investigators	Author/Instructor
Examination, Documentation, Preservation of Bloodstain Patterns on Clothing	Author/Instructor

North Florida Criminal Justice Training Center/Jacksonville Sheriff's Office

Forensic Anthropology with Dr. Heather Walsh-Haney	Co-Author/Instructor
Injury and Death Investigations	Author/Instructor
Crime Scene Photography	Author/Instructor
Advanced Crime Scene Photography	Author/Instructor
Basic Crime Scene Investigations	Author/Instructor
Bloodstain Pattern Analysis	Author/Instructor
Alternate Light Source Applications	Author/Instructor
Bullet Trajectory Reconstruction	Author/Instructor
Bloodstain Analysis and Enhancement Techniques	Author/Instructor
Latent Print Development and Recovery	Author/Instructor
Crime Scene Mapping Using Lasers/Angle Encoder	Author/Instructor
Crime Scene Investigation and Scientific Theory	Author/Instructor
Macro Photography of Trace Evidence	Author/Instructor

Research Experience

Process evaluation completed for Grace Marketplace Shelter, Spring 2016.

Curriculum Review

Principles of Forensic Science, University of Florida
College of Pharmacy

Fall 2014

Grant Management and Writing

Department of Justice: National Forensic Academy, 2011-DP-BX-K049. Principal Investigator. \$1,200,000.00

National Science Foundation: Innovative Technology Experiences for Students and Teachers, Strategies Project 14-512.

Media

CNN: Inside Man, Host Morgan Spurlock. Filmed July, 2015
Feature story regarding the "CSI Effect". Performed training for host Morgan Spurlock at the CSI Academy of Florida. To air in January 2016.

The Chat, First Coast News, Jacksonville, Florida. WTLV NBC 12 and WJXX ABC 25
Regular guest, forensic analyst.

How Sherlock Changed the World. Love Productions, UK. December 2014.
Featured interview and demonstrations of bloodstain pattern analysis and case reconstruction. Featuring Dr. Henry Lee, Dr. Michael Rieders. Director: Paul Bernays. Distribution to U.S. and European markets via PBS, National Geographic Channel, BBC Worldwide, Channel 5, Netflix.

Coroner Chat Radio. Host Darren Dake, October 2014. Interview on Bloodstain Pattern Analysis. iTunes Radio.

National Highway Traffic Safety Administration. DWI Detection and SFST Video. "The Busy Businessman." Field sobriety exercises, traffic stops. Distribution: USA and Canada.

The Osgood File. Charles Osgood, syndicated radio program. Dec 17, 2013
Featured interview regarding work on "How Sherlock Changed the World."