

GENERAL

Wednesday

Poster Session

11:30 am—1:00 pm	F1	A Five-Year Review of Fire Scene Fatalities at the West Tennessee Regional Forensic Center Sydney Carr, BS*; Ibrahim Ortanca, MD
11:30 am—1:00 pm	F2	A Peculiar Case of Complex Suicide by Hanging With Hesitation Marks From Incised Wounds Susanna Sabato, MD*; Annachiara Vinci, MD; Biagio Solarino, MD, PhD; Paolo Visci; Davide Ferorelli, MD; Gianmarco Sirago, MD
11:30 am—1:00 pm	F3	A Qualitative NMR and Histological Analysis of Adipocere Formation in Different Aqueous Environments Using Sus Scrofa Models Mia Sorrentino, MS*; Angelique Corthals, DPhil
11:30 am—1:00 pm	F4	A Rare Case of Suicidal Strangulation: Diagnostic Challenges in Forensic Practice Alessandro Ghalmouch, MD*; Gaia De Angelis, MD; Gabriele Napoletano, PhD; Biancamaria Treves, MD; Maura Raciatti, MD; Fabio Del Duca, MD
11:30 am—1:00 pm	F5	A Retrospective Analysis of the Clark County Office of the Coroner/Medical Examiner Pediatric Homicides (1991–2024) Laura Jordan, MA*; Candace Caterer; Jennifer Byrnes, PhD; Melanie Rouse, MA; Nathan Shaller, MD
11:30 am—1:00 pm	F6	The Characteristics and Resistance of Paper Money in Gunshot Wounds: A Case Report and Experimental Study Massimo Musardo, LLB; Matteo Antonio Sacco, MD*; Maria Cristina Verrina, MD; Alessandro Pasquale Tarallo, MD; Saverio Gualtieri, MD; Denise Errigo, LLM; Isabella Aquila, MD, PhD*; Roberto Raffaele, MSc*; Claudia Catia De Pasquale, MSc*
11:30 am—1:00 pm	F7	A Chronological Evolution of Volatile Organic Compounds (VOCs) From Burned Human Remains Analogs Daigoro Greco, BS*; Lauryn DeGreeff, PhD
11:30 am—1:00 pm	F8	Concurrent Crises: Modeling the Pandemic's Impact on Accidental Poisoning Deaths and the Medical Examiner and Coroner System Burden Molly Pierson, MPH*
11:30 am—1:00 pm	F9	Dealing With Death: Perspectives From Forensic Personnel Rebecca Platt, BA, BS*
11:30 am—1:00 pm	F10	Death at Climax: A Case of Aneurysmal Subarachnoid Hemorrhage During Sexual Intercourse Pawan Kumar, MD*; Abhishek Yadav, MD
11:30 am—1:00 pm	F11	Drug Overdose Deaths in Knox County, Tennessee, Adults 65 and Over: A Retrospective Study Christie-Anne Estrada, MD*; Darinka Mileusnic-Polchan, MD, PhD
11:30 am—1:00 pm	F12	Drug Trends and Novel Psychoactive Substances Identified Through Forensic Casework in the District of Columbia Marsha Cox, BS*; Alexander San Nicolas, MSFS*
11:30 am—1:00 pm	F13	Evaluating the Quality and Quantity of Detail of Latent Prints on Buried Objects Angela Gonzalez Bueno, BS*; Cait Porterfield, MS

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11:30 am—1:00 pm	F14	The Experimental Evaluation of the Wounding Potential of a Nail Clipper: A Compatibility Study Between an Atypical Tool and Medicolegal Lesions Matteo Antonio Sacco, MD*; Roberto Raffaele, MSc*; Isabella Aquila, MD, PhD*
11:30 am—1:00 pm	F15	A Fatal Bilateral Jugular Vein Lesion From Multiple Sharp-Force Injuries: An Unusual Case Involving Atypical Weapons Natalia Sebastiani, MD*; Paolo Visci; Davide Ferorelli, MD; Annachiara Vinci, MD; Alessandro Dell'Erba, MD, PhD; Gianmarco Sirago, MD
11:30 am—1:00 pm	F16	A Fatal Tracheal Impalement Injury: An Accidental Fall From a Height or Suicidal Event? A Case Report and Review of the Literature Tindara Biondo, MD*; Gennaro Baldino, MD, PhD*; Giorgia Burrascano, MD; Pietro Tarzia, MD; Elvira Ventura spagnolo, MD; Marija Caplinskiene, MD
11:30 am—1:00 pm	F17	Forensic Age Estimation With Artificial Intelligence: An Experimental Study for the Identification of Underage Victims Matteo Antonio Sacco, MD*; Alessandro Pasquale Tarallo, MD*; Roberto Raffaele, MSc*; Aurora Princi, MD*; Saverio Gualtieri, MD; Giuseppe Ivan Aquila, MSc; Isabella Aquila, MD, PhD*; Claudia Catia De Pasquale, MSc; Andrea Costa
11:30 am—1:00 pm	F18	Forensic Aspects of "Incaprettamento" Saverio Gualtieri, MD*; Matteo Antonio Sacco, MD*; Alessandro Pasquale Tarallo, MD; Mattia Solano, MD*; Pietro Tarzia, MD*; Savino Franco, MD; Isabella Aquila, MD, PhD*
11:30 am—1:00 pm	F19	From Autopsy to Action: Leveraging Medicolegal Data to Prevent Overdose Deaths in Correctional Facilities Ava Lewandowski, BA*; Theodore Brown, MD
11:30 am—1:00 pm	F20	From Scene to Autopsy: Foundational Forensic Methods for the Suicide–Homicide Distinction Gabriella Maisetta, MD*; Rebecca Pieretti, MD*; Marco Di Paolo, MD, PhD; Federica Spina, MD; Matteo Leoni, MD; Chiara Ariani, MD
11:30 am—1:00 pm	F29	Medicolegal Death Investigation and the Use of Digital Latent Print Analysis in Establishing Positive Identification on Complex, High Profile, and Time-Sensitive Cases Caroline Hanau, MS*; Aubrey Bryak, MD; Carrie Costello, MS

Thursday

Poster Session

11:30 am—1:00 pm	F21	High-Energy Blunt Force Trauma: Massive Craniofacial Disruption From a Tire Projection Fabio Del Duca, MD, PhD*; Alessandro Ghalmouch, MD; Biancamaria Treves, MD; Gaia De Angelis, MD; Maura Racciatti, MD; Vittoria Zammar, MD
11:30 am—1:00 pm	F22	The Incidentally Detected 46, XY Disorder of Sex Development in Short Tandem Repeat Analysis Sojung Lim, MD*; Sohee Cho, PhD; Soong Deok Lee, MD, PhD
11:30 am—1:00 pm	F23	Investigating and Analyzing After a Fatal Fall From Heights Isabelle Sec, MD*; Patrick Joffrin; Bertrand Ludes, PhD
11:30 am—1:00 pm	F24	Investigating the Effects of Substrate Color on the Detection of Ruhemann's Purple Using Confocal Raman Microscopy Daye Kim, MFS*; Jorn Yu, PhD; Geraldine Monjarez, PhD (<i>FSF Emerging Forensic Scientist Award Poster Presentation</i>)

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11:30 am—1:00 pm	F25 It Went Under My Skin: Assessing Tattoo Persistence Under Postmortem Conditions Jade Ryan, MSc*; Matteo Borrini, PhD
11:30 am—1:00 pm	F26 Knife Crimes Then and Now: Forensic Lessons From the Murder of Martha Tabram Matteo Borrini, PhD*
11:30 am—1:00 pm	F27 An LC/MS/MS Analysis of Benzodiazepines in Sewage From Six Metropolitan Areas in the Southeastern United States Kyle Bledsoe, BS*; Iram Shahzadi; Katherine Bollinger, APM; Mahmoud ElSohly, PhD; Murrell Godfrey, PhD; Waseem Gul, PhD
11:30 am—1:00 pm	F28 Lethal Heat—The Deadly Impact of Rising Global Temperatures: A Case Study Monica La Greca, APM*; Gianluca Piras, MD; Benedetta Baldari, PhD
11:30 am—1:00 pm	F30 Observing United Kingdom Cadaver Dog Performance in Aquatic Environments Through UK-K9: A Basis for Global Search and Recovery Training Comparisons Ellen Shakeshaft, MSc* <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i>
11:30 am—1:00 pm	F31 One Car, Two Methods for Self-Harm—An Unplanned Complex Suicide: A Case Report Giovanni Pollice, MD*; Andrea Cioffi, MD; Luigi Cipolloni, MD, PhD; Camilla Cecanneccchia, MD; Roberta Bibbò, MD; Chiara Fabrello, MD
11:30 am—1:00 pm	F32 Overkill Behind Closed Doors: A Case Series and Review of the Literature of Familiar Homicides Domenico Abramo, MD*; Cataldo Raffino, MD; Gennaro Baldino, MD, PhD*; Giorgia Burrascano, MD; Elvira Ventura spagnolo, MD; Tindara Biondo, MD
11:30 am—1:00 pm	F33 Porcine Decomposition Rates as an Estimate for Human Postmortem Interval in the High Desert Ecosystem of Northern Arizona Hillary Eaton, PhD*; Makenzi Patterson, BSc; Nina Gowell, BSc; Brooke Holt-Eddington, BSc; Megan Cramer
11:30 am—1:00 pm	F34 A Preliminary Analysis on Deaths in the LGBTQ Population in Jefferson County, Alabama Elizabeth Lee, BA; Brandi McCleskey, MD*
11:30 am—1:00 pm	F35 Regional Poisoning Patterns in Pakistan: A Forensic Study on Organophosphates, Aluminium Phosphide, and Paraphenylenediamine in Suicidal Deaths (2008–2023) Hafiz Faisal Usman, MS*; Yusra Iqbal, FCPATH; Shah Nawaz Shakeeb, LLM
11:30 am—1:00 pm	F36 Sample Demographics, Injury Patterns, and the Influence of Ocean Currents on the Movement of Bodies of Golden Gate Bridge Jumper Cases Samantha Robinson, BS*; Jazmin Borrayo, BA; Eric Bartelink, PhD
11:30 am—1:00 pm	F37 Sugar Land 95: Ethical Considerations Using Forensic Investigative Genetic Genealogy to Identify Historic Remains Samantha Hofland, MA*; Meradeth Snow, PhD; Catrina Whitley, PhD; Helen Graham, EdD; Abigail Fisher, PhD; Rita Simonetta, BA
11:30 am—1:00 pm	F38 Taphonomic Surface Changes: A New Frontier in Grave Detection? Mike Walters, MSc*; David Errickson, PhD; Roland Wessling, MSc
11:30 am—1:00 pm	F39 The Temporal and Environmental DNA (eDNA) Effects on Microbial Composition of Latent Fingerprints Emily Kenoyer, BS*; Josep De Alcaraz-Fossoul, PhD

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11:30 am—1:00 pm **F40** **The Humanitarian and Human Rights Resource Center (HHRRC): Ten Years of Serving the Academy and the Global Community**
Dawnie Steadman, PhD*

Thursday—Session I

Medicolegal Death Scene Investigation

Moderator: Hamidrezac Sharifan, PhD	Co-Moderator: Micaela Ascolese, MS
8:00 am—8:20 am	F41 Medicolegal Death Investigation—Then and Now: Advancements Over the Past 15 Years David Kintz, BS*
8:20 am—8:40 am	F42 The Basics of Medicolegal Death Investigation Systems Across the United States Kelly Keyes, BS*
8:40 am—9:00 am	F43 Is the Extent of Decomposition Consistent With Other Scene Observations? A Synthesis of 82 Cases on O’ahu, Hawai’i David Carter, PhD*; Katherine Bratt, BS; Charlotte Carter, MS; Chelsie Mangca-Valdez, MFS; Alexis Peterson, BS; Philip Verso, BA
9:00 am—9:20 am	F44 Medicolegal Recognition of Autoerotic Deaths in a Ubiquitous Digital Age Brett Harding, MBA*; Christina Di Loreto, MD; Jessica Macdonald, MA; Carolina Ramos, BS; Shelly Pearlman
9:20 am—9:40 am	F45 A Forensic Analysis of an 820-Foot Fall Into Water: Deceleration Trauma Patterns Benjamin Charroy, MD*; Camille Launoy, MD; Gilles Tournel, MD, PhD; Idriss-Marly M'bama, MD; Florence Vincent, MD; Erwan Le Garff, PhD
9:40 am—10:00 am	F46 A Multicentric Study on Forensic Investigation of Blunt Force Versus Fall-Induced Head Trauma: A Multidisciplinary Methodological Proposal Gennaro Baldino, MD, PhD*; Giovanni Cecchetto, MD; Paolo Fais, MD; Elvira Ventura spagnolo, MD; Margherita Neri, PhD; Antonio Oliva, MD
10:00 am—10:20 am	BREAK

Death Investigation/Lie Detection

Moderator: Clare Fried, MSFS	Co-Moderator: Tracilyn Nakatsuka, BA
10:20 am—10:40 am	F47 Standards Development Activities in Medicolegal Death Investigation, Including Disaster Victim Identification Kelly Keyes, BS*; Michelle Rippy, EdD
10:40 am—11:00 am	F48 Suicide Via Sodium Nitrite Ingestion: Trends in Multnomah County, Oregon, 2018–2025 Jessica Crowson, MFS*; Jaxson Haug, MA
11:00 am—11:30 am	F49 Lie Detection, Polygraph Testing, Credibility Assessment: Forensic History, Current Status, and Future Developments Frank Horvath, PhD*
11:30 am—1:00 pm	BREAK

GENERAL

Case Studies

Moderator: Brett Harding, MBA

Co-Moderator: Brittney Valarezo, CAPM

1:00 pm—1:20 pm	F50	A Digital Forensic Phone Download Solves a Homicide Case: “I’ll Help You After I Watch You Die!” Aubrey Bryak, MD*; Caroline Hanau, MS*; Carrie Costello, MS
1:20 pm—1:40 pm	F51	Children of the ’70s: Using NCMEC to Identify Unidentified Juvenile Human Remains Lara Newell, MA*
1:40 pm—2:00 pm	F52	Good Ol’-Fashioned Detective Work in a Case of Dismemberment Tracy Brisendine, BA*
2:00 pm—2:20 pm	F53	A Cold Case Critical Review: Overcoming Investigation Errors and Omissions to Prove Homicide by Two Distinct Cranial Gunshots Inflicted by .22LR (Long Rifle) Shotshell and Solid Bullet Ammunition Types Robert Sigillito, MD*
2:20 pm—2:40 pm	F54	Inadequate Injury Documentation in the Emergency Setting: Forensic Implications and Evidence From Italian Cases Annalisa Sofia, MD*; Giulia Brambilla, MD; Giovanni Cecchetto, MD, PhD; Alessandra Mammana, MD; Federica Trevissoi, MD; Alessia Viero, MD, PhD
2:40 pm—3:00 pm	F55	Lessons Learned From Health Care Serial Killers: The Evolution of the British Medical Examiner Service Claire Power, MSc*; Fiona Wilcox, MD; Sajeel Shah, PhD; Nikolas Lemos, PhD
3:00 pm—3:20 pm	BREAK	

Radiology/Trauma on Burned Remains/Postmortem Retinal Imaging

Moderator: Rebecca Walter, MFS

Co-Moderator: Krista Troup, MS

3:20 pm—3:40 pm	F56	Fatal and Severe Contrast Media-Related Adverse Effects: A Forensic and Clinical Perspective From Two Cases Alice Buzzelli, MD*; Chiara Carsana, MD*; Luca Morini, PhD; Valentina Bugelli, MD, PhD; Lorenzo Franceschetti, MD, PhD*; Gaetano Pietro Bulfamante, MD
3:40 pm—4:00 pm	F57	Fatal Entrapment in an Industrial Concrete Mixer: A Forensic Case Report of Polytrauma and Asphyxiation Benjamin Charroy, MD*; Camille Launoy, MD; Gilles Tournel, MD, PhD; Florence Vincent, MD; Benjamin Mokdad, MD; Hélène Fricker, MD
4:00 pm—4:20 pm	F58	From Scanner to Courtroom: Best Practice Standards for Postmortem Computed Tomography Jamie Elifritz, MD*; Summer Decker, PhD*; Natalie Adolphi, PhD*
4:20 pm—4:40 pm	F59	The Examination of Blunt, Sharp, and High-Velocity Trauma on Burned Human Remains Darren Solomon, MS*; Rebecca George, PhD; Kaleigh Best, PhD
	F60	WITHDRAWN
4:40 pm—5:10 pm	F61	Homicide or Suicide? An Interdisciplinary Approach to Reconstruction of a Crime Scene Jennifer McCampbell, MCS*

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Thursday—Session II

Wildlife Forensics (Animals/Entomology/Plants)/Filicide/Face and Vocal Characteristics

Moderator: Deadra Caleb, MS

Co-Moderator: Lara Newell, MA

8:00 am—8:20 am	F62	A Novel Method of Preserving Fly-Related Samples at Crime Scenes and in Labs for a Better Demonstration at Trial John Wang, PhD*
8:20 am—8:40 am	F63	Optimizing a Multi-Biochemical Method for the Taxonomic Identification of Single Pollen Grains: A Forensic Application Jack Trimble, MS*; Madison Adolfs, BS; Matthieu Baudelet, PhD; Camron Melendez, BS
8:40 am—9:00 am	F64	Termites Turning Point in Crime Detection S. Venkata Raghava, MD*; Charishma Reddy, MBBS
9:00 am—9:20 am	F65	The Fur Project: Species Identification in Forensic Casework Using Phylogenetic Proteomics Glendon Parker, PhD*; Nicole McLoughlin, MSc; Kyle Burk, MS; Ashley Spicer, MScFS; Barry Baker, MA
9:20 am—9:40 am	F66	The Killing of Sons and Daughters: An Analysis Beyond the Outcome of Death—Circumstances and Differences Among These Murders and the Necessity of a Filicide's Classification María Cuadros, MCrim*; Miguel Lorente, PhD; Jose Lorente, PhD
9:40 am—10:00 am	F67	WITHDRAWN
10:00 am—10:20 pm		BREAK

Archaeology/Wildlife Forensics

Moderator: Dayla Rich, PhD

Co-Moderator: Yakubu Magaji Yuguda, MSc

10:20 am—10:40 am	F68	Back to Basics: Stratigraphy in Forensic Archaeology: Principles, Pitfalls, and the Path Forward Ian Hanson, PhD*; Laura Evis, PhD
10:40 am—11:00 am	F69	The Application of Spectroscopy and Machine Learning for Family-Level Classification of Animal Hair in Wildlife Crime Vishal Sharma, PhD*; Akanksha Sharma, MSc
11:00 am—11:30 am	F70	WITHDRAWN
11:30 am—1:00 pm		BREAK

GENERAL

Education/Artificial Intelligence/Metaverse

Moderator: Ava Thorpe

Co-Moderator: Jamie Elifritz, MD

1:00 pm—1:20 pm	F71	Keeping It Real: Ensuring Students and Trainees Get Realistic Experiences to Prepare Them for Working in Real Laboratories Stewart Walker, PhD*
1:20 pm—1:40 pm	F72	The Use of Mindfulness Practices to Enhance Thinking, Observation, and Problem-Solving Skills for Forensic Science Students and Forensic Practitioners Douglas Ridolfi, MS*
1:40 pm—2:00 pm	F73	Think Like a Scientist, Search Like a Librarian: Information Literacy for Forensic Scientists Jeff Teitelbaum, MLIS*
2:00 pm—2:20 pm	F74	AI-Powered Expert Witness Report Review System: Enhancing Pre-Admissibility Quality Control to Prevent Wrongful Convictions Melda Yazıcıoğlu, PhD*
2:20 pm—2:40 pm	F75	Introducing the Responsible Artificial Intelligence Framework for Forensic Science: Developed and Applied in a New Zealand Forensic Laboratory Janet Stacey, MSc*; Rachel Fleming, PhD; Niki Osborne, PhD
2:40 pm—3:00 pm	F76	The Metaverse and the Basics of Forensic Science: A Framework for Application Gianmarco Sirago, MD*; Paolo Visci, MD; Biagio Solarino, MD, PhD; Davide Ferorelli, MD; Alessandro Dell'Erba, MD, PhD; Annachiara Vinci, MD; Gianmarco Sirago, MD
3:00 pm—3:20 pm		BREAK

Gangs/Unmanned Aircraft Systems/Virtual Reality

Moderator: Patricia Smith, MSL

Co-Moderator: Cliff Akiyama, MPH, MA

3:20 pm—3:40 pm	F77	Walking into Uncharted Territory: Understanding the Rise of Asian Youth Gangs Cliff Akiyama, MPH, MA*
3:40 pm—4:00 pm	F78	Elevated Insights: The Acquisition and Implementation of Unmanned Aircraft Systems (UAS) in a State Medical Examiner's Office Micaela Ascolese, MS*; Philip Miller, BS*; Kaylan Peterson, MS
4:00 pm—4:30 pm	F79	VR Forensic: Immersive Virtual Reality Training for Forensic Medical Practitioners—From Scene to Courtroom Benjamin Mokdad, MD*; Benjamin Charroy, MD*; Giles Tournel, MD, PhD
4:30 pm—5:30 pm	F80	UAS Crime Scene Videography Gerald Baum, BA*

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Friday

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11:30 am—1:00 pm	F81	WITHDRAWN
11:30 am—1:00 pm	F82	The Phenomenon of Suicide Contagion: Examining Trends in Suicide in Harris County, Texas Amelia Juneau, MS*
11:30 am—1:00 pm	F83	The Role of the Forensic Anthropologist in “No Body Homicide” Cases: Exploring Case Entry in Two Current Databases Amy Michael, PhD*; Robert Eckstein, PsyD; Jennifer Bengtson, PhD; Cruz Dellasanta, BA; Kylee Jedraszek, BA
11:30 am—1:00 pm	F84	The Sound of Gunfire Andrew Winter, PhD*; Peter Diaczuk, PhD*; Ashley Buchman, BS*; Frank LoSacco, MA
11:30 am—1:00 pm	F85	A Comparative Analysis of Forensic Audit and Traditional Audit Practices: Implications for Fraud Detection Tracey Heywood, MBA; Jasmine Drake, PhD; Ashraf Mozayani, PharmD*
11:30 am—1:00 pm	F86	Understanding Time-to-Recovery: A Demographic and Spatial Analysis of Decedents in Las Vegas, Nevada Elise Adams, MA*; Derek Boyd, PhD (<i>FSF Emerging Forensic Scientist Award Oral Presentation</i>)
11:30 am—1:00 pm	F87	WITHDRAWN
11:30 am—1:00 pm	F88	Vanished at Sea: A Geospatial Analysis of Maritime Migrant Deaths in the Andaman Sea and Bay of Bengal Davette Gadison, MA*
11:30 am—1:00 pm	F89	A Forensic Inquiry Into Jean-Michel Basquiat’s Lost Subway Portfolio Nicholas Petaco, MS*
11:30 am—1:00 pm	F90	Falls From Height: Peculiarities of Injuries and Differential Diagnosis Between Accident and Assault Saverio Gualtieri, MD*; Matteo Antonio Sacco, MD*; Giuseppe Chiaravalloti; Roberto Raffaele, MSc; Chiara Caruso, MD*; Fortunato Vincenzo Nucera, MD; Isabella Aquila, MD, PhD*; Pietrantonio Ricci, MD, PhD; Pietro Tarzia, MD; Marta Chieruzzi
11:30 am—1:00 pm	F91	Humanizing Forensic Science: Practitioner-Centered STEM Education in Title I Florida High Schools Jalika Waugh, PhD*
11:30 am—1:00 pm	F92	Injury as a Silent Witness: Forensic Medicine’s Role in Charge Determination in an Explosive Case Francesco Calabrò, MD*; Francesco Saverio Romolo, PhD; Marcello Seligardi, MD*; Valentina Bugelli, MD, PhD; Beatrice Defraia, MD
11:30 am—1:00 pm	F93	Judicial Gatekeeping: The Use of Scientific Standards and Forensic Expert Qualification in Oklahoma Brittlyn Eckerd, BS*; John Mabry, JD

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11:30 am—1:00 pm	F94	The Sum of All Abbreviated Injury Scale Scores and Total Number of Injuries in Combination: A Tool for Assessing Both Overall Injury Severity and Excessive Injury Anton Mittendorf, MD*
11:30 am—1:00 pm	F95	The Impact of Finance on the Handling of Forensic Cases: The Case of the Kosovo Agency on Forensics Herolind Krasniqi, MASC*; Blerim Olluri, PhD*; Sokol Dedaj, MASC
11:30 am—1:00 pm	F96	Latent Print Evidence and Analysis Jennifer McCampbell, MCS*
11:30 am—1:00 pm	F97	Hidden in the Canvas: Isabella of Aragon and the Mona Lisa From a Forensic Perspective Enrica Macorano, MD*; Angela Colucci, MD; Francesco Intronà, MD

Friday – Session I

Unidentified Remains/Forensic Investigative Genetic Genealogy (FIGG)/Crime Scene Investigators/Evidence Management

Moderator: Jennifer Randolph, MSc

Co-Moderator: John Wang, PhD

8:00 am—8:20 am	F98	A Complete Unknown: A Multimodal Approach to the Forensic Identification of Unclaimed Human Remains in the Absence of Missing Persons Reports Matilde Ruju, MD*; Irene Pradelle, MD*; Luca Diani, MD; Giada Rovito, MD; Margherita Neri, PhD; Angelo Montana, PhD
8:20 am—8:40 am	F99	Still Nameless Years Later: The Ongoing Challenge of Investigating Unidentified Remains in the Medical Examiner’s Office Jessica Godoy, BS*; Nicolette Sambucci, BS; Natalia Sanabria, BS
8:40 am—9:00 am	F100	Cold Case Homicide: When All the Information Is Known But the Victim Identity—Solved 50 Years Later Using Forensic Investigative Genetic Genealogy Michelle Clark, MS*; James Gill, MD
9:00 am—9:20 am	F101	FIGG or Fingerprints? A Case Study From 1990 Lara Newell, MA*
9:20 am—9:40 am	F102	A Qualitative Study of Crime Scene Investigators and Resiliency Andrew Winter, PhD*
9:40 am—10:00 am	F103	A Study on Best Practices in Evidence Management: A Preview of the NIST/NIJ Evidence Management Report Vincent Desiderio, MS*; Katherine Sharpless, PhD; Melissa Taylor, BA
10:00 am—10:20 am		BREAK

GENERAL

Tools and Assessment Measures

Moderator: Jessica Crowson, MSFS	Co-Moderator: Cydne Holt, PhD
10:20 am—10:40 am	F104 An Evaluation of Temperature Measurement Errors Due to Conduction of Heat Along Thermocouple Probe Sheaths and Partial Probe-Tissue Contact During Forensic Fire-Death Scenarios David Silveira, MS*
10:40 am—11:00 am	F105 Biomechanical Analysis of an Unusual Cervical Spine Dislocation From a Swinging Metal Cable: Daruma Otoshi? Stefano Palumbi, MD*; Yuko Ishida, PhD; Toshikazu Kondo, MD, PhD; Akiko Ishigami, MD; Mizuho Nosaka, PhD; Yumi Kuninaka, MS
11:00 am—11:30 am	F106 Child Fatality Review as a Quality Improvement Tool: Insights From a Five-Year County Analysis in Context With State and National Trends Max Veltman, PhD*; Dylan Evans, MS; Tristen Tate
11:30 am—1:00 pm	BREAK

Evidence From the Crime Scene

Moderator: Khalid Sajjad Feras, MPhil	Co-Moderator: Rachael Schmidt, MSc
1:00 pm—1:20 pm	F107 From Skid to Signal: The Collection, Isolation, and Analysis of Rubber Particles From Tire Skid Marks James McAleer, BS*; John Lucchi, PhD; Matthieu Baudelet, PhD
1:20 pm—1:40 pm	F108 Enhancing Gunshot Back Spatter With Latent Blood Reagents on Distant Horizontal Surfaces Nicole Millis, MFS; Peter Valentin, PhD*
1:40 pm—2:00 pm	F109 A Fundamental Evaluation of Airgun Muzzle Energy Using Chronography: A Forensic Ballistics Approach to Determining Lethality and Legal Classification in the United Kingdom Tolulope Abejide, MSc*; Martin Corcoran, BSc; Kayleigh O'Brien, MSc; Omowole Adeniyi, MFS
2:00 pm—2:20 pm	F110 Quantifying and Testing the Similarity of Breach Face Impressions Hana Lee, PhD*; Alicia Carriquiry, PhD
2:20 pm—2:40 pm	F111 A Comparison Study of Clothing Severance Damage Resulting From Kitchen Knife Sharp Force Trauma in Stabbing Offense Investigations Leisa Nichols-Drew, MSc*
2:40 pm—3:00 pm	F112 The Evolution of VOC Profiles During Early Animal Decomposition Fantasia Whaley, MSFS*; Sandy Dominguez; Lauryn DeGreeff, PhD; Joel Fuentes Carrasco, BS Emily Millan, BS
3:00 pm—3:20 pm	BREAK

GENERAL

K9/Prone Restraint/Art Authentication

Moderator: Scott Rohde, BS, MBA

Co-Moderator: Tolulope Abejide, MSc

3:20 pm—3:40 pm	F113	Operational K9 Deaths: A Look at the Past 24 Years Cheryl Nelson, DVM*
3:40 pm—4:00 pm	F114	Cadaver Dogs in Deep Water: Evolving Forensic Tools for Aquatic Human Remains Detection Paul Micah Johnson, PhD*
4:00 pm—4:20 pm	F115	A Comparative Study to Determine Training Aids for Human Remains Detection Dogs Lorna Irish, PhD*; Sarah Sandle, BSc; Shari Forbes, PhD; Ade Schoon, PhD; Jerushah Mulvany, BSc
4:20 pm—4:40 pm	F116	Prone Restraint Cardiac Arrest: Physiology and Epidemiology Alon Steinberg, MD*
4:40 pm—5:00 pm	F117	Driving Accountability Through Forensic Integration: A Model for Investigative Transformation in Urban Policing John R. Herzog, III, MS*; Rana A. DellaRocco, MS*
5:00 pm—5:30 pm	F118	The Use of Forensic Methods for Art Authentication: The Picasso Project Jennifer McCampbell, MCS*

Friday—Session II

Laboratory Management/Quality Control/Standards/Fingerprints on Leather Surfaces

Moderator: Anna Savrock, MCJ

Co-Moderator: Amanda Alvarez Wright, MPA

8:00 am—8:20 am	F119	WITHDRAWN
8:20 am—8:40 am	F120	WITHDRAWN
8:40 am—9:00 am	F121	Forensic Foundations Revisited: Insights From NIST's Foundation Studies Program Kelly Sauerwein, PhD*; Sandra Koch, PhD*
9:00 am—9:20 am	F122	Standards Synergy: Collaborate to Elevate Vincent Desiderio, MS*; Allison Getz, MS*
9:20 am—9:40 am	F123	WITHDRAWN
9:40 am—10:00 am	F124	Hide and Seek: A Pseudo Operational Study of Fingerprint Development and Enhancement on Leather Surfaces to Assist Practitioners Leisa Nichols-Drew, MSc
10:00 am—10:20 am		BREAK

GENERAL

Laboratory Management/Quality Control/Standards

Moderator: Jalika Waugh, PhD

10:20 am—10:40 am	F125	Assessing the Landscape of Independent Forensic Consultation: A Cross-Disciplinary Survey of Compensation and Practice Diana Messer, PhD*; Stephanie Cole, PhD; An-Di Yim, PhD; Sara Getz, PhD
10:40 am—11:00 am	F126	From Metrics to Meaning: Assessing Quality Management in a Medical Examiner Office Cassandra Rock, MFS* Theodore Sanford, BA; Mandy Tinkey, MFS; Lindsay Kotchey, MSFS
11:00 am—11:30 am	F127	Building a Quality Culture at the Laboratory Rachel Duke, MS*
11:30 am—1:00 pm		BREAK

Mental Health/Microbiology/Victim Typology in Homicide Cases

Moderator: Maria Hiott, BS

1:00 pm—1:20 pm	F128	From Evidence to Action: Navigating the Complexities of Animal Hoarding Cases Becky Morrow, DVM*
1:20 pm—1:40 pm	F129	The Science on Trial and Forensic Testimony Tune-Up: Testifying With Clarity, Confidence, and Credibility in Adversarial Courtroom Kathryn Ambeau, PhD*; Jarrett Ambeau, JD*
1:40 pm—2:00 pm	F130	Characterizing the Human Decomposition Hotspot: Integrating Soil Biogeochemistry and Microbiology Lois Taylor, PhD*; Jennifer DeBruyn, PhD
2:00 pm—2:20 pm	F131	Decompositional Impact on Soil Microbiomes: Advancing Postmortem Interval Estimation in Petroleum-Impacted Environments Meiko Thompson, PhD*; Brittney Sylvester; Latavia Williams; Georgia Williams, MS
2:20 pm—2:40 pm	F132	Utilizing Honey Bees (<i>Apis Mellifera</i>) as a Surveillance and Monitoring Technique for Bacterial Pathogens in Specific Environments Jordan Walter, MS; James Creecy, PhD*
2:40 pm—3:00 pm	F133	Inter-Rater Reliability and Practical Utility of Five Victim Typologies in Homicide Case Analysis Adriana Graybeal, PhD*; Jason Beaman, DO*; Ashley Keener, PhD*; Reagan Gill, DO
3:00 pm—3:20 pm		BREAK

GENERAL

Toxicology/Ethics/Honor Killings

Moderator: Jennifer Jacobi, EdD

Co-Moderator: Patricia Smith, MSL

3:20 pm—3:40 pm	F134	WITHDRAWN
3:40 pm—4:00 pm	F135	WITHDRAWN
4:00 pm—4:20 pm	F136	Forensic Ethics in Practice: Bridging Global Standards, Skills, and Moral Responsibility Giuseppina Seppini, MSN*; Ippolito Iolanda, MSc
4:20 pm—4:40 pm	F137	My Report Says What?! A Deep Dive Into Documents Fabricated by Individuals Outside of the Laboratory Taylor Shafirovich, MS*
4:40 pm—5:00 pm	F138	Autopsy Findings in 45 Cases of Honor Killings in Jordan: A Retrospective Forensic Analysis Ibrahim Al-Habash, MD*; Asma Alshaeb, MD; Stefano D'Errico, PhD; Davide Radaelli, PhD; Maria Buffon, MBBS