

# GENERAL

## Wednesday

### Poster Session

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

# GENERAL

11:30 am—1:00 pm	<b>F14</b>	<b>The Experimental Evaluation of the Wounding Potential of a Nail Clipper: A Compatibility Study Between an Atypical Tool and Medicolegal Lesions</b> Matteo Antonio Sacco, MD*; Roberto Raffaele, MSc*; Isabella Aquila, MD, PhD*
11:30 am—1:00 pm	<b>F15</b>	<b>A Fatal Bilateral Jugular Vein Lesion From Multiple Sharp-Force Injuries: An Unusual Case Involving Atypical Weapons</b> 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	<b>F16</b>	<b>A Fatal Tracheal Impalement Injury: An Accidental Fall From a Height or Suicidal Event? A Case Report and Review of the Literature</b> 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	<b>F17</b>	<b>Forensic Age Estimation With Artificial Intelligence: An Experimental Study for the Identification of Underage Victims</b> 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	<b>F18</b>	<b>Forensic Aspects of "Incaprettamento"</b> 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	<b>F19</b>	<b>From Autopsy to Action: Leveraging Medicolegal Data to Prevent Overdose Deaths in Correctional Facilities</b> Ava Lewandowski, BA*; Theodore Brown, MD
11:30 am—1:00 pm	<b>F20</b>	<b>From Scene to Autopsy: Foundational Forensic Methods for the Suicide–Homicide Distinction</b> 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	<b>F29</b>	<b>Medicolegal Death Investigation and the Use of Digital Latent Print Analysis in Establishing Positive Identification on Complex, High Profile, and Time-Sensitive Cases</b> Caroline Hanau, MS*; Aubrey Bryak, MDI; Carrie Costello, MS

## Thursday

### Poster Session

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

# GENERAL

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

# GENERAL

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

### **Medicolegal Death Scene Investigation**

Moderator: Hamidrezac Sharifan, PhD

Co-Moderator: Micaela Ascolese, MS

8:00 am—8:20 am	<b>F41</b>	<b>Medicolegal Death Investigation—Then and Now: Advancements Over the Past 15 Years</b> David Kintz, BS*
8:20 am—8:40 am	<b>F42</b>	<b>The Basics of Medicolegal Death Investigation Systems Across the United States</b> Kelly Keyes, BS*
8:40 am—9:00 am	<b>F43</b>	<b>Is the Extent of Decomposition Consistent With Other Scene Observations? A Synthesis of 82 Cases on O‘ahu, Hawai‘i</b> 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	<b>F44</b>	<b>Medicolegal Recognition of Autoerotic Deaths in a Ubiquitous Digital Age</b> Brett Harding, MBA*; Christina Di Loreto, MD; Jessica Macdonald, MA; Carolina Ramos, BS; Shelly Pearlman
9:20 am—9:40 am	<b>F45</b>	<b>A Forensic Analysis of an 820-Foot Fall Into Water: Deceleration Trauma Patterns</b> 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	<b>F46</b>	<b>A Multicentric Study on Forensic Investigation of Blunt Force Versus Fall-Induced Head Trauma: A Multidisciplinary Methodological Proposal</b> 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	<b>BREAK</b>	

### **Death Investigation/Lie Detection**

Moderator: Clare Fried, MSFS

Co-Moderator: Tracilyn Nakatsuka, BA

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

# GENERAL

## Case Studies

Moderator: Brett Harding, MBA

Co-Moderator: Brittney Valarezo, CAPM

1:00 pm—1:20 pm	<b>F50</b>	<b>A Digital Forensic Phone Download Solves a Homicide Case: “I’ll Help You After I Watch You Die!”</b> Aubrey Bryak, MDI*; Caroline Hanau, MS*; Carrie Costello, MS
1:20 pm—1:40 pm	<b>F51</b>	<b>Children of the ’70s: Using NCMEC to Identify Unidentified Juvenile Human Remains</b> Lara Newell, MA*
1:40 pm—2:00 pm	<b>F52</b>	<b>Good Ol’-Fashioned Detective Work in a Case of Dismemberment</b> Tracy Brisendine, BA*
2:00 pm—2:20 pm	<b>F53</b>	<b>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</b> Robert Sigillito, MD*
2:20 pm—2:40 pm	<b>F54</b>	<b>Inadequate Injury Documentation in the Emergency Setting: Forensic Implications and Evidence From Italian Cases</b> Annalisa Sofia, MD*; Giulia Brambilla, MD; Giovanni Cecchetto, MD, PhD; Alessandra Mammana, MD; Federica Trevisoi, MD; Alessia Viero, MD, PhD
2:40 pm—3:00 pm	<b>F55</b>	<b>Lessons Learned From Health Care Serial Killers: The Evolution of the British Medical Examiner Service</b> Claire Power, MSc*; Fiona Wilcox, MD; Sajeel Shah, PhD; Nikolas Lemos, PhD
3:00 pm—3:20 pm		<b>BREAK</b>

## Radiology/Trauma on Burned Remains/Postmortem Retinal Imaging

Moderator: Rebecca Walter, MFS

Co-Moderator: Krista Troup, MS

3:20 pm—3:40 pm	<b>F56</b>	<b>Fatal and Severe Contrast Media-Related Adverse Effects: A Forensic and Clinical Perspective From Two Cases</b> 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	<b>F57</b>	<b>Fatal Entrapment in an Industrial Concrete Mixer: A Forensic Case Report of Polytrauma and Asphyxiation</b> 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	<b>F58</b>	<b>From Scanner to Courtroom: Best Practice Standards for Postmortem Computed Tomography</b> Jamie Elifritz, MD*; Summer Decker, PhD*; Natalie Adolphi, PhD*
4:20 pm—4:40 pm	<b>F59</b>	<b>The Examination of Blunt, Sharp, and High-Velocity Trauma on Burned Human Remains</b> Darren Solomon, MS*; Rebecca George, PhD; Kaleigh Best, PhD
4:40 pm—5:00 pm	<b>F60</b>	<b>Postmortem Retinal Microstructure Imaging in Cadaver Eyes: A Forensic Perspective Using OCT</b> Sushil Bhatt, MSc*; Jagmahender Singh, PhD; Vishali Gupta, MS
5:00 pm—5:30 pm	<b>F61</b>	<b>Homicide or Suicide? An Interdisciplinary Approach to Reconstruction of a Crime Scene</b> Jennifer McCampbell, MCS*

# GENERAL

## 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	<b>F62</b>	<b>A Novel Method of Preserving Fly-Related Samples at Crime Scenes and in Labs for a Better Demonstration at Trial</b> John Wang, PhD*
8:20 am—8:40 am	<b>F63</b>	<b>Optimizing a Multi-Biochemical Method for the Taxonomic Identification of Single Pollen Grains: A Forensic Application</b> Jack Trimble, MS*; Madison Adolfs, BS; Matthieu Baudelet, PhD; Camron Melendez, BS
8:40 am—9:00 am	<b>F64</b>	<b>Termites Turning Point in Crime Detection</b> S. Venkata Raghava, MD*; Charishma R, MBBS
9:00 am—9:20 am	<b>F65</b>	<b>The Fur Project: Species Identification in Forensic Casework Using Phylogenetic Proteomics</b> Glendon Parker, PhD*; Nicole McLoughlin, MSc; Kyle Burk, MS; Ashley Spicer, MScFS; Barry Baker, MA
9:20 am—9:40 am	<b>F66</b>	<b>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</b> María Cuadros, MCrim*; Miguel Lorente, PhD; Jose lorente, PhD
9:40 am—10:00 am	<b>F67</b>	<b>The Role of Face Analytics and Vocal Characteristics in Audio-Visual Forensic Anthropological Identification of Northwest Indian Subjects</b> Akashdeep Vashisht, MSc*; Jagmahender Singh Sehrawat, PhD*; Deepak Kaushik, MBBS
10:00 am—10:20 pm		<b>BREAK</b>

### Archaeology/Wildlife Forensics

Moderator: Dayla Rich, PhD

Co-Moderator: Yakubu Magaji Yuguda, MSc

10:20 am—10:40 am	<b>F68</b>	<b>Back to Basics: Stratigraphy in Forensic Archaeology: Principles, Pitfalls, and the Path Forward</b> Ian Hanson, PhD*; Laura Evis, PhD
10:40 am—11:00 am	<b>F69</b>	<b>The Application of Spectroscopy and Machine Learning for Family-Level Classification of Animal Hair in Wildlife Crime</b> Vishal Sharma, PhD*; Akanksha Sharma, MSc
11:00 am—11:30 am	<b>F70</b>	<b>From Jaws to Genes: Shark Science Simplified</b> Ashley Spicer, MScFS*; Christopher Lowe, PhD; Glendon Parker, PhD; Kyle Burk, MS; John Ugoretz, BS; Nicole McLoughlin, MSc
11:30 am—1:00 pm		<b>BREAK</b>

# GENERAL

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## Education/Artificial Intelligence/Metaverse

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Moderator: Ava Thorpe

Co-Moderator: Jamie Elifritz, MD

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

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## Gangs/Unmanned Aircraft Systems/Virtual Reality

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Moderator: Patricia Smith, MSL

Co-Moderator: Cliff Akiyama, MPH, MA

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

# GENERAL

## Friday

### Poster Session

11:30 am—1:00 pm	<b>F81</b>	<b>Tetrahydrocannabiphorol (THCP): Is There a New Cannabinoid That Medicolegal Death Investigators Need to Be Aware of?</b> Madelyn Kinneary, MS*; Gregory Allen, MBA*; Sophia Garcia-Jackson, MS; Hillary Brown, MS; Gary Collins, MD
11:30 am—1:00 pm	<b>F82</b>	<b>The Phenomenon of Suicide Contagion: Examining Trends in Suicide in Harris County, Texas</b> Amelia Juneau, MS*
11:30 am—1:00 pm	<b>F83</b>	<b>The Role of the Forensic Anthropologist in “No Body Homicide” Cases: Exploring Case Entry in Two Current Databases</b> Amy Michael, PhD*; Robert Eckstein, PsyD; Jennifer Bengtson, PhD; Cruz Dellasantia, BA; Kylee Jedraszek, BA
11:30 am—1:00 pm	<b>F84</b>	<b>The Sound of Gunfire</b> Andrew Winter, PhD*; Peter Diaczuk, PhD*; Ashley Buchman, BS*; Frank LoSacco, MA
11:30 am—1:00 pm	<b>F85</b>	<b>A Comparative Analysis of Forensic Audit and Traditional Audit Practices: Implications for Fraud Detection</b> Tracey Heywood, MBA*; Jasmine Drake, PhD; Ashraf Mozayani, PharmD
11:30 am—1:00 pm	<b>F86</b>	<b>Understanding Time-to-Recovery: A Demographic and Spatial Analysis of Decedents in Las Vegas, Nevada</b> Elise Adams, MA*; Derek Boyd, PhD (FSF Emerging Forensic Scientist Award Oral Presentation)
11:30 am—1:00 pm	<b>F87</b>	<b>The Use of Stable Isotopes for Forensic Anthropological Identifications of Skeletonized Unknown Human Remains: A Scoping Review From an Indian Context</b> Jagmahender Singh Sehrawat, PhD*; Deepak Kaushik, MBBS
11:30 am—1:00 pm	<b>F88</b>	<b>Vanished at Sea: A Geospatial Analysis of Maritime Migrant Deaths in the Andaman Sea and Bay of Bengal</b> Davette Gadison, MA*
11:30 am—1:00 pm	<b>F89</b>	<b>A Forensic Inquiry Into Jean-Michel Basquiat’s Lost Subway Portfolio</b> Nicholas Petaco, MS*
11:30 am—1:00 pm	<b>F90</b>	<b>Falls From Height: Peculiarities of Injuries and Differential Diagnosis Between Accident and Assault</b> 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	<b>F91</b>	<b>Humanizing Forensic Science: Practitioner-Centered STEM Education in Title I Florida High Schools</b> Jalika Waugh, PhD*
11:30 am—1:00 pm	<b>F92</b>	<b>Injury as a Silent Witness: Forensic Medicine’s Role in Charge Determination in an Explosive Case</b> Francesco Calabrò, MD*; Francesco Saverio Romolo, PhD; Marcello Seligardi, MD*; Valentina Bugelli, MD, PhD; Beatrice Defraia, MD



# GENERAL

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11:30 am—1:00 pm	<b>F93</b>	<b>Judicial Gatekeeping: The Use of Scientific Standards and Forensic Expert Qualification in Oklahoma</b> Brittlyn Eckerd, BS*; John Mabry, JD
11:30 am—1:00 pm	<b>F94</b>	<b>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</b> Anton Mittendorf, MD*
11:30 am—1:00 pm	<b>F95</b>	<b>The Impact of Finance on the Handling of Forensic Cases: The Case of the Kosovo Agency on Forensics</b> Herolind Krasniqi, MASc*; Blerim Olluri, PhD*; Sokol Dedaj, MASc
11:30 am—1:00 pm	<b>F96</b>	<b>Latent Print Evidence and Analysis</b> Jennifer McCampbell, MCS*
11:30 am—1:00 pm	<b>F97</b>	<b>Hidden in the Canvas: Isabella of Aragon and the Mona Lisa From a Forensic Perspective</b> Enrica Macorano, MD*; Angela Colucci, MD; Francesco Introna, MD

## *Friday – Session I*

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

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Moderator: Jennifer Randolph, MSc

Co-Moderator: John Wang, PhD

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

# GENERAL

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## Tools and Assessment Measures

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Moderator: Jessica Crowson, MSFS

Co-Moderator: Cydne Holt, PhD

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| 10:20 am—10:40 am | <b>F104</b> | <b>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</b><br>David Silveira, MS*                                    |
| 10:40 am—11:00 am | <b>F105</b> | <b>Biomechanical Analysis of an Unusual Cervical Spine Dislocation from a Swinging Metal Cable: Daruma Otoshi?</b><br>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 | <b>F106</b> | <b>Child Fatality Review as a Quality Improvement Tool: Insights From a Five-Year County Analysis in Context With State and National Trends</b><br>Max Veltman, PhD*; Dylan Evans, MS; Tristen Tate   |
| 11:30 am—1:00 pm  |             | <b>BREAK</b>  |

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## Evidence From the Crime Scene

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Moderator: Khalid Sajjad Feras, MPhil

Co-Moderator: Rachael Schmidt, MSc

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

# GENERAL

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## K9/Prone Restraint/Art Authentication

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Moderator: Scott Rohde, BS, MBA

Co-Moderator: Tolulope Abejide, MSc

3:20 pm—3:40 pm	<b>F113</b>	<b>Operational K9 Deaths: A Look at the Past 24 Years</b> Cheryl Nelson, DVM*
3:40 pm—4:00 pm	<b>F114</b>	<b>Cadaver Dogs in Deep Water: Evolving Forensic Tools for Aquatic Human Remains Detection</b> Paul Micah Johnson, PhD*
4:00 pm—4:20 pm	<b>F115</b>	<b>A Comparative Study to Determine Training Aids for Human Remains Detection Dogs</b> Lorna Irish, PhD*; Sarah Sandle, BSc; Shari Forbes, PhD; Adele Schoon, PhD; Jerushah Mulvany, BSc
4:20 pm—4:40 pm	<b>F116</b>	<b>Prone Restraint Cardiac Arrest: Physiology and Epidemiology</b> Alon Steinberg, MD*
4:40 pm—5:00 pm	<b>F117</b>	<b>WITHDRAWN</b>
5:00 pm—5:30 pm	<b>F118</b>	<b>The Use of Forensic Methods for Art Authentication: The Picasso Project</b> Jennifer McCampbell, MCS*

## *Friday—Session II*

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

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Moderator: Anna Savrock, MCJ

Co-Moderator: Amanda Alvarez Wright, MPA

8:00 am—8:20 am	<b>F119</b>	<b>Forensic Science at the National Institute of Justice</b> Lucas Zarwell, MFS*
8:20 am—8:40 am	<b>F120</b>	<b>WITHDRAWN</b>
8:40 am—9:00 am	<b>F121</b>	<b>Forensic Foundations Revisited: Insights from NIST's Foundation Studies Program</b> Kelly Sauerwein, PhD*; Sandra Koch, PhD*
9:00 am—9:20 am	<b>F122</b>	<b>Standards Synergy: Collaborate to Elevate</b> Vincent Desiderio, MS*; Allison Getz, MS*
9:20 am—9:40 am	<b>F123</b>	<b>Visualizing Data at NIJ: Adopting Modern Tools to Show the Impact of Grantees in the Forensic Community</b> Tiffany Layne, PhD*; Jillian Conte, PhD; Tracey Johnson, MSFS
9:40 am—10:00 am	<b>F124</b>	<b>Hide and Seek: A Pseudo Operational Study of Fingerprint Development and Enhancement on Leather Surfaces to Assist Practitioners</b> Leisa Nichols-Drew, MSc
10:00 am—10:20 am		<b>BREAK</b>

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## Laboratory Management/Quality Control/Standards

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Moderator: Ashley Spicer, MSFS

Co-Moderator: Jalika Waugh, PhD

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

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## Mental Health/Microbiology/Victim Typology in Homicide Cases

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Moderator: Kimberly Pavlik, PhD

Co-Moderator: Maria Hiott, BS

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

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## Toxicology/Ethics/Honor Killings

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Moderator: Jennifer Jacobi, EdD

Co-Moderator: Patricia Smith, MSL

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