

# GENERAL

---

## Wednesday

### Poster Session

---

- 11:30 am – 1:00 pm      **F1**      **A Small Molecule Chemical Analysis of Residual Odor From Odor Recognition Tests by Human Remains Canine Teams**  
*Shawn Campagna, PhD\**; *Zane Vickery, BS*; *Katarina Jones, PhD*; *Hector Castro, PhD*;  
*Dawnie Steadman, PhD*; *Mary Cablk, PhD*; *Mary Davis, MS*; *James Ha, PhD*
- 11:30 am – 1:00 pm      **F2**      **An Analysis of Hidden Childhood Exposure to Xenobiotics in Cases of Child Abuse: A Decade-Long Study at the Meyer Children’s Hospital IRCCS of Florence, Italy**  
*Martina Focardi, MD\**; *Marta Romanelli, MD\**; *Valentina Gori, MD\**;  
*Fabio Vaiano, PhD*; *Andrea Costantino, MD*; *Beatrice Defraia, MD*;  
*Rossella Grifoni, MD*; *Ilenia Bianchi, PhD*; *Laura Nanni, MD*; *Stefania Losi, MD*;  
*Vilma Pinchi, PhD*
- 11:30 am – 1:00 pm      **F3**      **An Interdisciplinary Review of Standard Operating Procedures Among United States-Accredited Laboratories**  
*Marion Davidson, MS\**; *Jeff Kukucka, PhD*; *Brett Gardner, PhD*;  
*Allysha Winburn, PhD*; *Kayla A. Burd, PhD*  
*(FSF Emerging Forensic Scientist Award Poster Presentation)*
- 11:30 am – 1:00 pm      **F4**      **The Development and Identification of a Thin Layer Chromatography Procedure for the Rapid Identification of Cannabis Plants Through Its Major Cannabinoids**  
*Amadeo Pérez, MD\**; *Elena Gonzalez-Burgos, PhD*; *Teresa Pérez, PhD*;  
*Maria Pieri, PhD*; *Pascale Basilicata, PhD*; *Dolores Serrano, PhD*;  
*Michele Di Nunzio, PhD*
- 11:30 am – 1:00 pm      **F5**      **Does Technology Weaken the Fight for a Fair Trial? Modern Policing and Challenges of the Criminal Defense Investigation**  
*Briana Verdoorn, MA\**
- 11:30 am – 1:00 pm      **F6**      **Eye in Crime Scene Investigation**  
*Sushil Bhatt, MS\**; *Jagmahender Singh Sehrawat, PhD*
- 11:30 am – 1:00 pm      **F7**      **Forensic Facial Matching—A Tool for Concealed Identity: A Case Report**  
*Manoj Parchake, MD\**
- 11:30 am – 1:00 pm      **F8**      **From Flat Photos to 3D Wonders: Cutting-Edge Tech Is Changing Forensic Investigations**  
*Giulia Berneschi, MD\**; *Rebecca Maggi, MD\**; *Chiara Ariani, MD\**; *Giacomo Visi, MD*;  
*Eleonora Mezzetti, MD*; *Marco Di Paolo, MD*; *Marika Floris*
- 11:30 am – 1:00 pm      **F9**      **Long-Term DNA Stability on Buccal Swabs: Findings From Simulated Paternity Cases**  
*Franzoni Anna, MS\**; *Michele Rosso, PhD*
- 11:30 am – 1:00 pm      **F10**      **Protecting Arson Investigators From Exposure to Toxic and Hazardous Substances in Fire Scene Debris**  
*Abdulrhman Dhabbah, PhD\**

# GENERAL

---

## Thursday

### Poster Session

---

- 11:30 am – 1:00 pm      **F11**      **Multiple Firearm Wound Suicides in Maryland: A Ten-Year Look Back**  
*Jenaye Mack, MD\**; *Nicholas Boire, MD*; *Joseph Mininni, MD*; *Stephanie Dean, MD*
- 11:30 am – 1:00 pm      **F12**      **Northern Microbes Tell a Story: Human Decomposition Influences on the Soil Microbiome in the Upper Peninsula of Michigan**  
*Mandy Joslyn, MS\**; *Jane Harris, PhD*; *Josh Sharp, PhD*
- 11:30 am – 1:00 pm      **F13**      **Optimizing DNA Retrieval for Insect Identification From Specimens Prepared for Morphological Analysis**  
*Riley Hoffman, BS\**; *Nicholas Miller, PhD*
- 11:30 am – 1:00 pm      **F14**      **Sparks and Burns: A Histological Study on the Effect of Firework Explosions on Pig Skin**  
*Naomi Iacoponi, MD\**; *Matteo Leoni, MD*; *Rebecca Maggi, MD*;  
*Gabriella Maisetta, MD*; *Chiara Casula, MD*; *Paride Minervini*; *Marco Di Paolo, MD*
- 11:30 am – 1:00 pm      **F15**      **The Detection of Pharmaceutical and Illicit Drugs in Municipal Wastewater Using Gas Chromatography/Mass Spectrometry**  
*Will Harris, BS\**; *Ellen Mwenesongole, PhD*
- 11:30 am – 1:00 pm      **F16**      **The Development of LAMP-ICS and FastPCR-ICS of Human/Male Multiplex Assay for Rapid On-Site Screening**  
*Yujin Oh, BS\**; *Hakrae Lee, BS*; *Yebin Kim, BS*; *Yeju Kim, BS*; *Si-keun Lim, PhD*
- 11:30 am – 1:00 pm      **F17**      **The Impact of Sound Suppressors on Gunshot Residue Deposition**  
*Kathryne Hartung, BS\**; *Alexis Moser, BA*; *Jennifer Turner, MSFS*
- 11:30 am – 1:00 pm      **F18**      **The Impact of Storage and Container Options for Human Remains Detection Training Aids**  
*Daigoro Greco, BS\**
- 11:30 am – 1:00 pm      **F19**      **The Popularity of Biometrics in India, Along With the Challenges**  
*Ramandeep Kaur, MS\**; *Mukesh Kumar Thakar, PhD*
- 11:30 am – 1:00 pm      **F20**      **The Prevalence of DNA on Car Vehicles for Guidance in Collecting Samples**  
*Joshua Boster, BS\**; *Kathryn Schoeneberg*; *Jennifer McMurray, MS*;  
*Madison Myers, BS*; *Jeremy Chappell, BA*  
*(FSF Emerging Forensic Scientist Award Poster Presentation)*

# GENERAL

---

## Thursday – Session I

### Evidence Identification

---

8:30 am – 8:45 am	<b>F21</b>	<b>A Highly Portable and Ultra-Sensitive Platform for Rapid Forensic Identification of Wildlife Species</b> <i>Nidhi Subhashini, PhD*</i>
8:45 am – 9:00 am	<b>F22</b>	<b>A High-Throughput, Multi-Biochemical Analysis of Pollen Grains for Their Identification in a Forensic Context</b> <i>Jack Trimble, BS*; Kaitlyn Cierpiak; Camron Melendez; James McAleer; Matthieu Baudelet, PhD</i>
9:00 am – 9:15 am	<b>F23</b>	<b>A Universal Method for Biological Stain Identification Using Raman Spectroscopy: An Investigation of Potential False Positives</b> <i>Igor Lednev, PhD*; Luis Perez Almodovar, BS; Lenka Halámková, PhD</i>
9:15 am – 9:30 am	<b>F24</b>	<b>Considerations for Fieldable Drug Detection and Identification by High Resolution Mass Spectrometry</b> <i>Thomas Forbes, PhD*; Elizabeth Robinson, MS; Edward Sisco, PhD; Abigail Koss, PhD</i>
9:30 am – 9:45 am	<b>F25</b>	<b>Investigating Odor Signatures of Electronic Storage Devices</b> <i>Samuel Friday, BS*; Jon Naples; Pauline Leary, PhD; Marisia Fikiet, PhD; Alyssa Marsico, PhD; Brooke Kammrath, PhD</i>
9:45 am – 10:00 am	<b>F26</b>	<b>Sustainable Wood Sourcing and Species Identification Through ATR/FTIR Spectroscopy and Machine Learning in Forensic Applications</b> <i>Akanksha Sharma, MS*; Vishal Sharma, PhD</i>
10:00 am – 10:15 am		<b>BREAK</b>

### Thermal Related

---

10:15 am – 10:30 am	<b>F27</b>	<b>Finding the Ignition Source in Burned Bones: A Forensic Research Investigation</b> <i>Caighley Logan*; Suzzanne McColl, PhD</i>
10:30 am – 10:45 am	<b>F28</b>	<b>Postmortem Thermal Injuries Due to Muzzle Flash Ignition</b> <i>Mariana Voudouri, MD*</i>
10:45 am – 11:00 am	<b>F29</b>	<b>Pyrolysis Products Obtained From Household Substrates at Crime Scenes: An Analytical Challenge for Forensic Fire Investigation Experts</b> <i>Khalid Feras, MS*; Tahir Jamshaid, MPhil*</i>
11:00 am – 11:15 am	<b>F30</b>	<b>The Detection of Accelerants (Petrol and White Spirit) From Cadaver Flies That Fed on Spiked Meat</b> <i>Tolulope Bayode Abejide, MS*; David Alebiosu, PhD</i>

# GENERAL

- 
- 11:15 am – 11:30 am      **F31**      **The Refinement of a Thermodynamic Model to Explain the Weathering Patterns of Ignitable Liquids on Household Substrates at Elevated Temperatures**  
11:30 am – 1:00 pm      *Chaney Ganninger, BS\*; Glen Jackson, PhD*

## AI/Technology

**BREAK**

- 
- 1:00 pm – 1:15 pm      **F32**      **Advancing AI-Enhanced Topic Modeling With BERT in Forensic Text Analysis**  
*Amir Alipour Yengejeh, MCS\*; Larry Tang, PhD*
- 1:15 pm – 1:30 pm      **F33**      **AI-Enabled Systems and Applications in Forensic Science: A Landscape Analysis and Future Directions**  
*Melissa Taylor, BA\*; Henry Swofford, PhD; Niki Osborne, PhD*
- 1:30 pm – 1:45 pm      **F34**      **Artificial Intelligence, Forensic Science, and the Criminal Justice System: New Challenges and Ethical Implications for Innovative Technologies**  
*Giuseppina Seppini, MSN\*; Iolanda Ippolito, MS*
- 1:45 pm – 2:00 pm      **F35**      **Lessons Learned From the Development of Sexual Assault Kit Evidence Machine Learning Models**  
*Julie Valentine, PhD\*; Luke Johnson, BS\*; Leslie Miles, DNP; Brian Brown, MS; Connor Alder, BS; Andrew Criddle, BS*
- 2:00 pm – 2:15 pm      **F36**      **The Application of Artificial Intelligence in Medicolegal Assessments**  
*Giada Rovito, MD\*; Matilde Rujju, MD\*; Luca Diani, MD\*; Irene Pradelle, MD; Laura Camilla Gasparini, MD; Felice Carabellese, MD; Margherita Neri, MD, PhD*
- 2:15 pm – 2:30 pm      **F37**      **The European AI Act: A Risk-Based Approach to Regulating AI**  
*Veronica Scotti, JD\**
- 2:30 pm – 2:45 pm      **F38**      **Technology: A Tool for Transformation of Data Element Exchange in Specialized Types of Medicolegal Death Investigations**  
*Kelly Keyes, BS\*; Erica Fornaro, BS; Jeri Roper-Miller, PhD*
- 2:45 pm – 3:00 pm      **F39**      **The Impact of Automated Asylum Determination Processes on Asylum Applicants Subjected to Acts of Torture**  
*Hasna Sheikh, LLM\*; Elspeth Guild; Nikolas P. Lemos, PhD*
- 3:00 pm – 3:15 pm      **BREAK**

## Standards

- 
- 3:15 pm – 3:30 pm      **F40**      **Developing Standards and Risk Management Profiles for the Responsible Adoption of Artificial Intelligence in Forensic Science**  
*Niki Osborne, PhD\*; Melissa Taylor, BA; Reva Schwartz, MA*
- 3:30 pm – 3:45 pm      **F41**      **Improving Polygraph Screening Examinations With Computerized Scoring Algorithms and Minimum Data Standards**  
*James O'Burke, MS\**

# GENERAL

---

- 3:45 pm – 4:00 pm      **F42**      **The Benefits and the Challenges of an Independent Crime Lab**  
*Alesia Wheeler-Moore, MA\**; *Erin Price, BS*
- 4:00 pm – 4:15 pm      **F43**      **The District of Columbia (DC) Department of Forensic Sciences: A Fall From Grace and a Path Back to Accreditation**  
*Jennifer Love, PhD\**; *Francisco Diaz, MD\**
- 4:15 pm – 4:30 pm      **F44**      **Washington, DC, Department of Forensic Sciences (DFS): A Unique Approach to Developing Impactful, Strategic Testing Plans While Minimizing Cognitive Bias**  
*Samira Taylor, BS\**
- 4:30 pm – 5:00 pm      **F45**      **The National Institute of Justice Research and Development Program**  
*Lucas Zarwell, MSFS\**

## **Thursday – Session II**

### **Identification**

---

- 8:30 am – 8:45 am      **F46**      **A Photograph of a Partially Skeletonized Finger Confirms Positive Identification: A Case Study**  
*Emily King, BA\**; *Carrie Costello, MS*
- 8:45 am – 9:00 am      **F47**      **Overlooking the Utility of the Tattoo as an Investigatory Lead: Comparing Tattoo Documentation Practices Among Investigators and Medical Examiners**  
*Deanna Corsetti, BS\**; *Marcelle Morin, MS*; *Michelle Miranda, PhD*
- 9:00 am – 9:15 am      **F48**      **A Study in Distortion on Determining Latent Print Classification**  
*Kevin Parmelee, PhD\**; *Charu Arya, MBA*
- 9:15 am – 9:30 am      **F49**      **DNA Identification: Lessons Learned From the Largest Mass Casualty Event in Israel’s History**  
*Nurit Bublil, PhD\**
- 9:30 am – 9:45 am      **F50**      **Seasonal Patterns of Fly-Associated *Ignatzschineria* in Human Decomposition-Impacted Soils**  
*Lois Taylor, PhD\**; *Allison Mason, PhD*; *Jennifer DeBruyn, PhD*
- 9:45 am – 10:00 am      **F51**      **A Preliminary Study: The Application of 3D Models, Simulations, and Finite Element Analysis (FEA) in Shooting Reconstruction**  
*Baillie Poulton, MS\**; *Keith Morris, PhD*
- 10:00 am – 10:15 am      **BREAK**

### **Cases**

---

- 10:15 am – 10:30 am      **F52**      **A Couple of Air Fresheners Ought to Do the Trick! A Case Report on Human Remains Found in an Occupied Residence After Ten Years**  
*Robert Hunkeler, MFS\**; *James Fannin, AS*; *Kent Harshbarger, MD*

# GENERAL

---

10:30 am – 10:45 am	<b>F53</b>	<b>Cigarette Butt DNA Solves a 30-Year-Old Homicide Cold Case: A Case Study</b> <i>Megan Collins*</i> ; <i>Carrie Costello, MS</i>
10:45 am – 11:00 am	<b>F54</b>	<b>In the Wrong Place at the Wrong Time</b> <i>Andra Lewis, PhD*</i>
11:00 am – 11:15 am	<b>F55</b>	<b>When All You Have Is a Foot</b> <i>Lara Newell, MA*</i>
11:15 am – 11:30 am	<b>F56</b>	<b>Shots Fired! The Escalating Rise of Violence Against Law Enforcement by Youth Street Gangs After the COVID-19 Pandemic</b> <i>Cliff Akiyama, MPH, MA*</i>
11:30 am – 1:00 pm		<b>BREAK</b>

## Education

---

1:00 pm – 1:15 pm	<b>F57</b>	<b>A Simple Water Laboratory Experiment to Teach Students Good Laboratory Practices and Quality Assurance</b> <i>Tamra Legron Rodriguez, PhD*</i> ; <i>Charolte Disney</i> ; <i>Dana-Marie Dennis, PhD</i>
1:15 pm – 1:30 pm	<b>F58</b>	<b>CSixR: Creating a Virtual Reality CSI Application</b> <i>David Fisher, MS*</i> ; <i>Kevin Parmelee, PhD*</i> ; <i>Margarita Vinnikov, PhD</i> ; <i>Michael Kehoe, BS</i>
1:30 pm – 2:00 pm	<b>F59</b>	<b>Evaluating the Scientific Validity of Forensic Methods: Guidelines for Study Design and Analysis</b> <i>Michael Rosenblum, PhD*</i> ; <i>Maria Cuellar, PhD*</i> ; <i>Susan Vanderplas, PhD</i> ; <i>Amanda Luby, PhD</i>
2:00 pm – 2:15 pm	<b>F60</b>	<b>Examining Social Belonging and Connectedness in an Online Forensic Science Course</b> <i>Gina Londino-Smolar, EdD*</i>
2:15 pm – 2:30 pm	<b>F61</b>	<b>Project-Based Learning in Undergraduate Forensic Chemistry: Standards Development and Professional Practice</b> <i>April Hill, PhD*</i>
2:30 pm – 3:00 pm	<b>F62</b>	<b>Using Virtual Reality in Crime Scene Education, Training, and Proficiency Testing</b> <i>Susan Blankenship, DBA*</i>
3:00 pm – 3:15 pm		<b>BREAK</b>

## Miscellaneous

---

3:15 pm – 3:45 pm	<b>F63</b>	<b>Grizzlies, Guns, and Glaciers: Interesting National Park Deaths</b> <i>Tatiana Bihun, MD*</i> ; <i>Joseph Prahlow, MD</i> ; <i>Cristin Rolf, MD</i> ; <i>Richard Sine, BA</i> ; <i>Amy Schaefer, BA</i> ; <i>Kenneth Gallagher, MD</i> ; <i>Gary Zientek, MD</i> ; <i>Karen Cline-Parhamovich, DO</i>
-------------------	------------	---

# GENERAL

---

- 3:45 pm – 4:00 pm      **F64**      **PHD ETDC—The Forensic Reconstruction Methodology: A Scientific Process to Solve Cases and Avoid Wrongful Convictions**  
*Carlos Gutierrez Ayala, DFS\**
- 4:00 pm – 4:15 pm      **F65**      **Video Technology for Training and Testimony Preparation**  
*Alaina Anderson, MS\*; James Miller, MA; Mona Colca, BA*
- 4:15 pm – 4:30 pm      **F66**      **How Research Improves Public Crime Lab Efficiency and Accuracy: The National Institute of Justice-Sponsored Outcomes**  
*Tracey Johnson, MSFS\**
- 4:30 pm – 4:45 pm      **F67**      **Old Legal Frameworks and New Technologies: The Baltimore, Maryland, Experience**  
*Andrew Northrup, JD\**

## Friday

### Posters

---

- 11:30 am – 1:00 pm      **F68**      **The Stability and Variability of the Korean Saliva Microbiome Over a Period of Time**  
*Ha-Eun Cha, BS\*; Hye-Seon Cho, BS; Ji-woo Lee, BS; A-Jeong Jeon, BS; Jooree Seo, BS; Si-keun Lim, PhD*
- 11:30 am – 1:00 pm      **F69**      **The State of Forensic Science in India: Progress and Pitfalls**  
*Moin Ahmad Butt, MS\*; Mukesh Kumar Thakar, PhD*
- 11:30 am – 1:00 pm      **F70**      **The Will to Conceal the Evidence? A Suspicious Case of a Restraint-Related Death That Occurred in the Hospital**  
*Federica Spina, MD\*; Giacomo Visi, MD\*; Chiara Casula, MD\*; Chiara Ariani, MD\*; Gabriella Maisetta, MD\*; Luigi Papi, MD*
- 11:30 am – 1:00 pm      **F71**      **You Take My Breath Away! An Unusual Case of Uxoricide-Suicide by Double Choking**  
*Michela Ferrara, MD\*; Natascha Pascale, MD, PhD\*; Aldo di Fazio, PhD\*; Mariagrazia Calvano, MD; Giuseppe Bertozzi, MD; Mauro Ciavarella, MD*
- 11:30 am – 1:00 pm      **F72**      **An Efficacy Catalytic Hydrated Photo-Oxidation Tool in Reducing Biocontaminants During Autopsy Procedures: A Pilot Study**  
*Francesco Sessa, PhD\*; Martina Francaviglia, MD\*; Maria Paola Pinacchi, MD\*; Massimiliano Esposito, MD*
- 11:30 am – 1:00 pm      **F73**      **Child Abuse or an Accident? The Role of the Forensic Expert in Pediatric Emergency Departments: A Case Series**  
*Manoj Parchake, MD\**

# GENERAL

---

11:30 am – 1:00 pm	<b>F74</b>	<b>Sodium Nitrite Poisoning: “Suicide Kits” Sold on the Internet</b> <i>Madelyn Kinneary, MS*; Sophia Garcia-Jackson, MS; Erica Williams, MD</i>
11:30 am – 1:00 pm	<b>F75</b>	<b>The First Fingerprint Conviction: Argentina’s Historic 1892 Fingerprint Case</b> <i>Jeff Teitelbaum, MA*</i>
11:30 am – 1:00 pm	<b>F76</b>	<b>Combating Sexual- and Gender-Based Violence: A Crucial Imperative in the Great Lakes Region of Africa</b> <i>Edwin Huffine, MS*; Dora Byamukama, LLM</i>
11:30 am – 1:00 pm	<b>F77</b>	<b>WITHDRAWN</b>

## Friday – Session I

### Standards

---

8:30 am – 9:00 am	<b>F78</b>	<b>An Update on Forensic Science Standards Within the Crime Scene Investigation Disciplines</b> <i>Michael Kessler, PSM*; Charles DeFrance, MFS</i>
9:00 am – 9:15 am	<b>F79</b>	<b>Progress on Developing Dogs and Sensors Standards: Sniffing Out Success</b> <i>Kenneth Furton, PhD*; Paola A. Prada-Tiedemann, PhD; Suzanne Perry, BA</i>
9:15 am – 9:30 am	<b>F80</b>	<b>Standards Development Activities in Medicolegal Death Investigation, Including Disaster Victim Identification</b> <i>Kelly Keyes, BS*; Michelle Rippy, EdD</i>
9:30 am – 9:45 am	<b>F81</b>	<b>Standards Development Activities in Wildlife Forensic Biology</b> <i>Jason Byrd, PhD*; Christina Lindquist, MSFS*</i>
9:45 am – 10:00 am	<b>F82</b>	<b>Washington, DC, Department of Forensic Sciences: Achieving Accreditation Through Collaboration</b> <i>Krystyna Hopkinson, MSFS*; Timothy Scanlan, PhD</i>
10:00 am – 10:15 am		<b>BREAK</b>

### Case Related

---

10:15 am – 10:30 am	<b>F83</b>	<b>A Facial Perspective Atlas: A Tool to Assist Morphological Facial Comparisons</b> <i>Katie Pottage, MS*; James Zjalic, MS</i>
10:30 am – 10:45 am	<b>F84</b>	<b>Forensic Reconstruction and Forensic Taphonomy: An Experiment for a High-Profile Case Conducted for the First Time in Chile</b> <i>Carlos Gutierrez Ayala, DFS*</i>
10:45 am – 11:00 am	<b>F85</b>	<b>The Sad Story of Two Young Lovers: The Truth Lies in the Details</b> <i>Giovanni De Gabriele, MD*; Antonio Marzaioli, MD; Angela Colucci, MD; Sara Di Trani, MD; Alessandro Cristalli, MD; Enrica Macorano, MD; Francesco Introna, MD, PhD</i>



# GENERAL

---

- 11:00 am – 11:15 am      **F86**      **Combating Wrongful Murder Statements With Technology: A Wrongful Conviction Case Study**  
*Kevin Parmelee, PhD\**
- 11:15 am – 11:30 am      **F87**      **Forensic Sciences as an Instrument for Improving the Lives of Populations: A Multidisciplinary Theoretical-Practical Case Study in Brazil**  
*Marcio Fernandes, PhD\*; Caroline D'Oca, PhD; João Resende, PhD*
- 11:30 am – 1:00 pm      **BREAK**

## Technology

---

- 1:00 pm – 1:15 pm      **F88**      **Electric Vehicles: A Technological Firestorm**  
*Stacey Chepren, MS\**
- 1:15 pm – 1:30 pm      **F89**      **Leveraging Analytical Chemistry and Advanced Flow Visualization for the Evaluation of Canine Training Aid Containment Systems**  
*Shawna Gallegos, PhD\*; Matthew Staymates, MS\**
- 1:30 pm – 1:45 pm      **F90**      **A Validation of Inkjet Printing Methodology in the Development of Non-Detonable Explosive Training Aids**  
*Shawna Gallegos, PhD\**
- 1:45 pm – 2:00 pm      **F91**      **Investigating Nuisance Alerts Given by Canines Arising From Substrates Exposed to Composition C-4**  
*Himanshi Upadhyaya, MS\*; Alexis Hecker, MS; John Goodpaster, PhD*
- 2:00 pm – 2:20 pm      **F92**      **Micro-CT Imaging and 3D Laser Scanning as Tools for Evidence Presentation in Court**  
*Sofia Goia, PhD\*; Charlotte Primeau, PhD; Mark Williams, PhD*
- 2:20 pm – 2:40 pm      **F93**      **The Effects of a Bullet on the Motion and Distribution of Unburnt Gunshot Residue Particles**  
*Lauren White, BS\**
- 2:40 pm – 3:00 pm      **F94**      **Process Maps: The Beginning of a Technological Revolution for Fire Investigations**  
*Terry-Dawn Hewitt, LLM\**
- 3:00 pm – 3:15 pm      **BREAK**

## Identification – Genealogy and Wildlife

---

- 3:15 pm – 3:30 pm      **F95**      **Forensic Genetic Genealogy: An Emerging Tool for Identification in Transnational Missing Persons Cases**  
*Aline Minervino, MS\*; Laura Cainé, PhD*
- 3:30 pm – 3:45 pm      **F96**      **Watkins Who?: The Use of Forensic Genealogy in a Medical Examiner's Cold Case**  
*Alex Verdoorn, BA\**

# GENERAL

---

- 3:45 pm – 4:00 pm      **F97**      **The Development and Validation of the EX38 Kit: A Comprehensive Forensic Tool for Enhanced Genetic Identification**  
*Atif Adnan, MD, PhD\**
- 4:00 pm – 4:15 pm      **F98**      **Wildlife Forensic Proteomics: Approaches and Applications**  
*Ashley Spicer, MS\*; Nicole Slattengren, MS; Kyle Burk, MS; Glendon Parker, PhD*
- 4:15 pm – 4:45 pm      **F99**      **You Can Get DNA Conclusions From That?: Case Studies Involving Animal DNA**  
*Christina Lindquist, MSFS\*; Teri Kun, MSFS*

## **Friday – Session II**

### **Coroners**

---

- 8:30 am – 8:45 am      **F100**      **Safeguarding the Community: Rewriting the Narrative on the Modern Coroner in Today’s Society**  
*Brett Harding, MBA\*; Christina Di Loreto, MD; Jessica Macdonald, MA; Richard Riffle, BS*
- 8:45 am – 9:00 am      **F101**      **Technological Advances to Medical Examiner and Coroner Case Management Systems**  
*Carri Cottengim, MA\*; Mark Montgomery, MPH; Margaret Warner, PhD*
- 9:00 am – 9:15 am      **F102**      **Technology Use Among the Nation’s Medical Examiner and Coroner Offices: A Snapshot**  
*Jeri Roper-Miller, PhD\*; Kelly Keyes, BS; Connor Brooks, MA, MSc; Micaela Ascolese, BA; Liat Weinstein, BA; Hope Smiley-McDonald, PhD*
- 9:15 am – 9:30 am      **F103**      **How Local Coroner/Medical Examiners Can Contribute to Advancing Forensic Science**  
*David Kintz, BS\**
- 9:30 am – 9:45 am      **F104**      **Cell Phones—Can They Replace Advanced Digital Cameras in Medicolegal Scene Photography Investigations?**  
*Rachael Landrie, BS\*; Francisco Diaz, MD*
- 9:45 am – 10:00 am      **F105**      **Navigating the Challenges: The Struggle of Medicolegal Death Investigations in Sparsely Populated Regions**  
*Michelle Rippy, EdD\*; Kelly Keyes, BS*
- 10:00 am – 10:15 am      **BREAK**

# GENERAL

---

## More Coroners

---

- 10:15 am – 10:45 am      **F106    Mass Fatality on a Budget**  
*Robert Hunkeler, MFS\**
- 10:45 am – 11:00 am      **F107    “We Specialize in the Heartbreakers”: Practitioner Perspectives on Investigating Long-Term Unidentified Persons Cases Throughout the United States**  
*Molly Kaplan, MA\**
- 11:00 am – 11:15 am      **F108    Abuse or Self-Neglect? A Medicolegal Case Study Exploring Multi-Agency Failure to Report a Vulnerable Adult**  
*Ella Butler, MS\**
- 11:15 am – 11:30 am      **F109    Cases of Child Abuse and Maltreatment: A Retrospective Observational Study From Meyer Children’s Hospital IRCCS of Florence, Italy, Between 2010 and 2022**  
*Martina Focardi, MD\*; Andrea Costantino, MD\*; Marta Romanelli, MD; Valentina Gori, MD; Beatrice Defraia, MD; Rossella Grifoni, MD; Ilenia Bianchi, PhD; Laura Nanni, MD; Stefania Losi, MD; Vilma Pinchi, PhD*
- 11:30 am – 1:00 pm                              **BREAK**

## Miscellaneous

---

- 1:00 pm – 1:15 pm                              **F110    Bridging the Gap: Collaborative Programs and Initiatives That Are Transforming the Interface Between Forensic Science and the Legal System**  
*Caitlin Porterfield, MS\*; Mark McCoy, EdD\*; Jennifer Schmitz, JD\**
- 1:15 pm – 1:30 pm                              **F111    Forensic Intelligence: A Contemporary Application or How to Approach a Paradigm Shift**  
*Joe Trevino, MS\**
- 1:30 pm – 1:45 pm                              **F112    The Unexpected Role of Pacemaker Data in Solving a Homicide: A Case Study**  
*Emily King, BA\*; Carrie Costello, MS*
- 1:45 pm – 2:00 pm                              **F113    “Follow the Bloodstains and Find the Truth”—The Importance of Site Inspection**  
*Chiara Casula, MD\*; Naomi Iacoponi, MD\*; Damiano Marra, MD; Giulia Berneschi, MD; Julia Lazzari, MD*
- 2:00 pm – 2:15 pm                              **F114    Is Forensic Chemistry Different?**  
*Max Houck, PhD\**
- 2:15 pm – 2:45 pm                              **F115    A Comparison of Particulate Collection Methods Using Fluorescent Polyethylene Beads and an Introduction to the Use of a Pulse Lavage for Particulate Evidence Collection**  
*Madison Smith, BS\**  
*(FSF Emerging Forensic Scientist Award Oral Presentation)*