

GENERAL

Wednesday

Poster Session

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| 11:30 am – 1:00 pm | F1 | A Small Molecule Chemical Analysis of Residual Odor From Odor Recognition Test by Human Remains Canine Teams <i>Shawn Campagna, PhD*</i> ; <i>Zane Vickery, BS</i> ; <i>Katarina Jones, PhD</i> ; <i>Hector Castro, PhD</i> ; <i>Dawnie Steadman, PhD</i> ; <i>Mary Cablk, PhD</i> ; <i>Mary Davis, MS</i> ; <i>James Ha, PhD</i> |
| 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 <i>Martina Focardi, MD*</i> ; <i>Marta Romanelli, MD*</i> ; <i>Valentina Gori, MD*</i> ; <i>Fabio Vaiano, PhD</i> ; <i>Andrea Costantino, MD</i> ; <i>Beatrice Defraia, MD</i> ; <i>Rossella Grifoni, MD</i> ; <i>Ilenia Bianchi, PhD</i> ; <i>Laura Nanni, MD</i> ; <i>Stefania Losi, MD</i> ; <i>Vilma Pinchi, PhD</i> |
| 11:30 am – 1:00 pm | F3 | WITHDRAWN |
| 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 <i>Michele Di Nunzio, PhD*</i> ; <i>Amadeo Pérez, MD</i> ; <i>Elena Gonzalez-Burgos, PhD</i> ; <i>Teresa Pérez, PhD</i> ; <i>Maria Pieri, PhD</i> ; <i>Pascale Basilicata, PhD</i> ; <i>Dolores Serrano, PhD</i> |
| 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 <i>Briana Verdoorn, MA*</i> |
| 11:30 am – 1:00 pm | F6 | Eye in Crime Scene Investigation <i>Jagmahender Singh Sehrawat, PhD*</i> ; <i>Sushil Bhatt, MS</i> ; <i>Vishali Gupta MS</i> |
| 11:30 am – 1:00 pm | F7 | WITHDRAWN |
| 11:30 am – 1:00 pm | F8 | From Flat Photos to 3D Wonders: Cutting-Edge Tech Is Changing Forensic Investigations <i>Giulia Berneschi, MD*</i> ; <i>Rebecca Maggi, MD*</i> ; <i>Chiara Ariani, MD</i> ; <i>Giacomo Visi, MD</i> ; <i>Eleonora Mezzetti, MD</i> ; <i>Marco Di Paolo, MD</i> ; <i>Marika Floris</i> |
| 11:30 am – 1:00 pm | F9 | Long-Term DNA Stability on Buccal Swabs: Findings From Simulated Paternity Cases <i>Franzoni Anna, MS*</i> ; <i>Michele Rosso, PhD</i> |
| 11:30 am – 1:00 pm | F10 | Protecting Arson Investigators From Exposure to Toxic and Hazardous Substances in Fire Scene Debris <i>Abdulrhman Dhabbah, PhD*</i> |

Thursday

Poster Session

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| 11:30 am – 1:00 pm | F11 | Multiple Firearm Wound Suicides in Maryland: A Ten-Year Look Back <i>Jenaye Mack, MD*</i> ; <i>Nicholas Boire, MD</i> ; <i>Joseph Mininni, MD</i> ; <i>Stephanie Dean, MD</i> |
| 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 <i>Amanda Joslyn, BS*</i> ; <i>Jane Harris, PhD</i> ; <i>Josh Sharp, PhD</i> |

GENERAL

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| 11:30 am – 1:00 pm | F13 | Optimizing DNA Retrieval for Insect Identification From Specimens Prepared for Morphological Analysis <i>Riley Hoffman, BS*; Nicholas Miller, PhD</i> |
| 11:30 am – 1:00 pm | F14 | Sparks and Burns: A Histological Study on the Effect of Firework Explosions on Pig Skin <i>Naomi Iacononi, MD*; Matteo Leoni, MD; Rebecca Maggi, MD; Gabriella Maisetta, MD; Chiara Casula, MD; Paride Minervini; Marco Di Paolo, MD</i> |
| 11:30 am – 1:00 pm | F15 | The Detection of Pharmaceutical and Illicit Drugs in Municipal Wastewater Using Gas Chromatography/Mass Spectrometry <i>Will Harris, BS*; Ellen Mwenesongole, PhD</i> |
| 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 <i>Yujin Oh, BS*; Hakrae Lee, BS; Yebin Kim, BS; Yeju Kim, BS; Si-keun Lim, PhD</i> |
| 11:30 am – 1:00 pm | F17 | The Impact of Sound Suppressors on Gunshot Residue Deposition <i>Kathryne Hartung, BS*; Alexis Moser, BA; Jennifer Turner, MSFS</i> |
| 11:30 am – 1:00 pm | F18 | The Impact of Storage and Container Options for Human Remains Detection Training Aids <i>Daigoro Greco, BS*</i> |
| 11:30 am – 1:00 pm | F19 | The Popularity of Biometrics in India, Along With the Challenges <i>Ramandeep Kaur, MS*; Mukesh Kumar Thakar, PhD</i> |
| 11:30 am – 1:00 pm | F20 | The Prevalence of DNA on Car Vehicles for Guidance in Collecting Samples <i>Joshua Boster, BS*; Kathryn Schoeneberg; Jennifer McMurray, MS; Madison Myers, BS; Jeremy Chappell, BA</i> <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i> |

Thursday—Session I

Evidence Identification

Moderator: Tara Rick

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

GENERAL

9:45 am – 10:00 am **F26** **Sustainable Wood Sourcing and Species Identification Through ATR/FTIR Spectroscopy and Machine Learning in Forensic Applications**
Akanksha Sharma, MS; Vishal Sharma, PhD*

10:00 am – 10:15 am **BREAK**

Thermal Related

Moderator: Cliff Akiyama, MPH, MA

10:15 am – 10:30 am **F27** **Finding the Ignition Source in Burned Bones: A Forensic Research Investigation**
Caighley Logan; Suzzanne McColl, PhD*

10:30 am – 10:45 am **F28** **Postmortem Thermal Injuries Due to Muzzle Flash Ignition**
*Mariana Voudouri, MD**

10:45 am – 11:00 am **F29** **WITHDRAWN**

11:00 am – 11:15 am **F30** **The Detection of Accelerants (Petrol and White Spirit) From Cadaver Flies That Fed on Spiked Meat**
Tolulope Bayode Abejide, MS; David Alebiosu, PhD*

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**
Chaney Ganninger, BS; Glen Jackson, PhD*

11:30 am – 1:00 pm **BREAK**

AI Technology

Moderator: Jerry DeMenna, PhD

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*

GENERAL

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| 2:00 pm – 2:15 pm | F36 | The Application of Artificial Intelligence in Medicolegal Assessments <i>Giada Rovito, MD*</i> ; <i>Matilde Ruju, MD*</i> ; <i>Luca Diani, MD*</i> ; <i>Irene Pradelle, MD</i> ; <i>Laura Camilla Gasparini, MD</i> ; <i>Felice Carabellese, MD</i> ; <i>Margherita Neri, MD, PhD</i> |
| 2:15 pm – 2:30 pm | F37 | The European AI Act: A Risk-Based Approach to Regulating AI <i>Veronica Scotti, JD*</i> |
| 2:30 pm – 2:45 pm | F38 | Technology: A Tool for Transformation of Data Element Exchange in Specialized Types of Medicolegal Death Investigations <i>Kelly Keyes, BS*</i> ; <i>Erica Fornaro, BS</i> ; <i>Jeri Roper-Miller, PhD</i> |
| 2:45 pm – 3:00 pm | F39 | The Impact of Automated Asylum Determination Processes on Asylum Applicants Subjected to Acts of Torture <i>Hasna Sheikh, LL.M.*</i> ; <i>Elspeth Guild</i> ; <i>Nikolas P. Lemos, PhD*</i> |
| 3:00 pm – 3:15 pm | | BREAK |

Standards

Moderator: Brett Harding, MBA

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| 3:15 pm – 3:30 pm | F40 | Developing Standards and Risk Management Profiles for the Responsible Adoption of Artificial Intelligence in Forensic Science <i>Niki Osborne, PhD*</i> ; <i>Melissa Taylor, BA</i> ; <i>Reva Schwartz, MA</i> |
| 3:30 pm – 3:45 pm | F41 | Improving Polygraph Screening Examinations With Computerized Scoring Algorithms and Minimum Data Standards <i>James OBurke, MS*</i> |
| 3:45 pm – 4:00 pm | F42 | The Benefits and the Challenges of an Independent Crime Lab <i>Alesia Wheeler-Moore, MA*</i> ; <i>Erin Price, BS</i> |
| 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 <i>Jennifer Love, PhD*</i> ; <i>Francisco Diaz, MD*</i> |
| 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 <i>Samira Taylor, BS*</i> |
| 4:30 pm – 5:00 pm | F45 | The National Institute of Justice Research and Development Program <i>Lucas Zarwell, MSFS*</i> |

GENERAL

Thursday – Session II

Identification

Moderator: Mark Benecke, PhD

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| 8:30 am – 8:45 am | F46 | A Photograph of a Partially Skeletonized Finger Confirms Positive Identification: A Case Study <i>Emily King, BA*</i> ; <i>Carrie Costello, MS</i> |
| 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 <i>Deanna Corsetti, BS*</i> ; <i>Marcelle Morin, MS</i> ; <i>Michelle Miranda, PhD</i> |
| 9:00 am – 9:15 am | F48 | A Study in Distortion on Determining Latent Print Classification <i>Kevin Parmelee, PhD*</i> ; <i>Charu Arya, MBA</i> |
| 9:15 am – 9:30 am | F49 | WITHDRAWN |
| 9:30 am – 9:45 am | F50 | Seasonal Patterns of Fly-Associated <i>Ignatzschineria</i> in Human Decomposition- Impacted Soils <i>Lois Taylor, PhD*</i> ; <i>Allison Mason, PhD</i> ; <i>Jennifer DeBruyn, PhD</i> |
| 9:45 am – 10:00 am | F51 | A Preliminary Study: The Application of 3D Models, Simulations, and Finite Element Analysis (FEA) in Shooting Reconstruction <i>Baillie Poulton, MS*</i> ; <i>Keith Morris, PhD</i> |
| 10:00 am – 10:15 am | | BREAK |

Cases

Moderator: Traci Nakatsuka, BA

Co-Moderator: Doug Scott, PhD

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

GENERAL

Education

Moderator: Theresa DeAngelo, MSFS

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

Miscellaneous

Moderator: Anita Roman, BS

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| 3:15 pm – 3:45 pm | F63 | Grizzlies, Guns, and Glaciers: Interesting National Park Deaths <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> |
| 3:45 pm – 4:00 pm | F64 | PHD ETDC—The Forensic Reconstruction Methodology: A Scientific Process to Solve Cases and Avoid Wrongful Convictions <i>Carlos Gutierrez Ayala, DFS*</i> |
| 4:00 pm – 4:15 pm | F65 | Video Technology for Training and Testimony Preparation <i>Alaina Anderson, MS*</i> ; <i>James Miller, MA</i> ; <i>Mona Colca, BA</i> |
| 4:15 pm – 4:30 pm | F66 | How Research Improves Public Crime Lab Efficiency and Accuracy: The National Institute of Justice-Sponsored Outcomes <i>Tracey Johnson, MSFS*</i> |
| 4:30 pm – 4:45 pm | F67 | Old Legal Frameworks and New Technologies: The Baltimore, Maryland, Experience <i>Andrew Northrup, JD*</i> |

GENERAL

Friday

Poster Session

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

Friday – Session I

Standards

Moderator: *Emily King, BA*

- 8:30 am – 9:00 am **F78** **An Update on Forensic Science Standards Within the Crime Scene Investigation Disciplines**
*Michael Kessler, PSM**; *Charles DeFrance, MFS*
- 9:00 am – 9:15 am **F79** **Progress on Developing Dogs and Sensors Standards: Sniffing Out Success**
*Kenneth Furton, PhD**; *Paola A. Prada-Tiedemann, PhD*; *Suzanne Perry, BA*
- 9:15 am – 9:30 am **F80** **Standards Development Activities in Medicolegal Death Investigation, Including Disaster Victim Identification**
*Kelly Keyes, BS**; *Michelle Rippy, EdD*

GENERAL

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| 9:30 am – 9:45 am | F81 | Standards Development Activities in Wildlife Forensic Biology <i>Jason Byrd, PhD*</i> ; <i>Christina Lindquist, MSFS*</i> |
| 9:45 am – 10:00 am | F82 | Washington, DC, Department of Forensic Sciences: Achieving Accreditation Through Collaboration <i>Krystyna Hopkinson, MSFS*</i> ; <i>Timothy Scanlan, PhD</i> |
| 10:00 am – 10:15 am | | BREAK |

Case Related

Moderator: Lara Newell, MA

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| 10:15 am – 10:30 am | F83 | A Facial Perspective Atlas: A Tool to Assist Morphological Facial Comparisons <i>Katie Pottage, MS*</i> ; <i>James Zjalic, MS</i> |
| 10:30 am – 10:45 am | F84 | Forensic Reconstruction and Forensic Taphonomy: An Experiment for a High-Profile Case Conducted for the First Time in Chile <i>Carlos Gutierrez Ayala, DFS*</i> |
| 10:45 am – 11:00 am | F85 | The Sad Story of Two Young Lovers: The Truth Lies in the Details <i>Giovanni De Gabriele, MD*</i> ; <i>Antonio Marzaioli, MD</i> ; <i>Angela Colucci, MD</i> ; <i>Sara Di Trani, MD</i> ; <i>Alessandro Cristalli, MD</i> ; <i>Enrica Macorano, MD</i> ; <i>Francesco Introna, MD, PhD</i> |
| 11:00 am – 11:15 am | F86 | Combating Wrongful Murder Statements With Technology: A Wrongful Conviction Case Study <i>Kevin Parmelee, PhD*</i> |
| 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 <i>Marcio Fernandes, PhD*</i> ; <i>Caroline D'Oca, PhD</i> ; <i>João Resende, PhD</i> |
| 11:30 am – 1:00 pm | | BREAK |

Technology

Moderator: Paschal Chinedu Gbaruko, BSC

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| 1:00 pm – 1:15 pm | F88 | Electric Vehicles: A Technological Firestorm <i>Stacey Chepren, MS*</i> |
| 1:15 pm – 1:30 pm | F89 | Leveraging Analytical Chemistry and Advanced Flow Visualization for the Evaluation of Canine Training Aid Containment Systems <i>Shawna Gallegos, PhD*</i> ; <i>Matthew Staymates, MS*</i> |
| 1:30 pm – 1:45 pm | F90 | A Validation of Inkjet Printing Methodology in the Development of Non-Detonable Explosive Training Aids <i>Shawna Gallegos, PhD*</i> |
| 1:45 pm – 2:00 pm | F91 | Investigating Nuisance Alerts Given by Canines Arising From Substrates Exposed to Composition C-4 <i>Himanshi Upadhyaya, MS*</i> ; <i>Alexis Hecker, MS</i> ; <i>John Goodpaster, PhD</i> |
| 2:00 pm – 2:20 pm | F92 | Micro-CT Imaging and 3D Laser Scanning as Tools for Evidence Presentation in Court <i>Sofia Goia, PhD*</i> ; <i>Charlotte Primeau, PhD</i> ; <i>Mark Williams, PhD</i> |

GENERAL

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| 2:20 pm – 2:40 pm | F93 | The Effects of a Bullet on the Motion and Distribution of Unburnt Gunshot Residue Particles <i>Lauren White, BS*</i> |
| 2:40 pm – 3:00 pm | F94 | Process Maps: The Beginning of a Technological Revolution for Fire Investigations <i>Terry-Dawn Hewitt, LLM*</i> |
| 3:00 pm – 3:15 pm | | BREAK |

Identification—Genealogy and Wildlife

Moderator: Megan Collins

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| 3:15 pm – 3:30 pm | F95 | Forensic Genetic Genealogy: An Emerging Tool for Identification in Transnational Missing Persons Cases <i>Aline Minervino, MS*;</i> <i>Laura Cainé, PhD</i> |
| 3:30 pm – 3:45 pm | F96 | Watkins Who?: The Use of Forensic Genealogy in a Medical Examiner’s Cold Case <i>Alex Verdoorn, BA*</i> |
| 3:45 pm – 4:00 pm | F97 | The Development and Validation of the EX38 Kit: A Comprehensive Forensic Tool for Enhanced Genetic Identification <i>Atif Adnan, MD, PhD*</i> |
| 4:00 pm – 4:15 pm | F98 | Wildlife Forensic Proteomics: Approaches and Applications <i>Ashley Spicer, MS*;</i> <i>Nicole Slattengren, MS;</i> <i>Kyle Burk, MS;</i> <i>Glendon Parker, PhD</i> |
| 4:15 pm – 4:45 pm | F99 | You Can Get DNA Conclusions From That?: Case Studies Involving Animal DNA <i>Christina Lindquist, MSFS*;</i> <i>Teri Kun, MSFS</i> |

Friday—Session II

Coroners

Moderator: Ashley Spicer, MSFS, CWFS

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| 8:30 am – 8:45 am | F100 | Safeguarding the Community: Rewriting the Narrative on the Modern Coroner in Today’s Society <i>Brett Harding, MBA*;</i> <i>Christina Di Loreto, MD;</i> <i>Jessica Macdonald, MA;</i> <i>Richard Riffle, BS</i> |
| 8:45 am – 9:00 am | F101 | WITHDRAWN |
| 9:00 am – 9:15 am | F102 | Technology Use Among the Nation’s Medical Examiner and Coroner Offices: A Snapshot <i>Jeri Roper-Miller, PhD*;</i> <i>Kelly Keyes, BS;</i> <i>Connor Brooks, MA, MSc;</i> <i>Micaela Ascolese, BA;</i> <i>Liat Weinstein, BA;</i> <i>Hope Smiley-McDonald, PhD</i> |
| 9:15 am – 9:30 am | F103 | How Local Coroner/Medical Examiners Can Contribute to Advancing Forensic Science <i>David Kintz, BS*</i> |
| 9:30 am – 9:45 am | F104 | Cell Phones—Can They Replace Advanced Digital Cameras in Medicolegal Scene Photography Investigations? <i>Rachael Landrie, BS*;</i> <i>Francisco Diaz, MD</i> |

GENERAL

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**

More Coroners

Moderator: Tina Ross, PhD

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

Moderator: Tiana Mash, PhD

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**
*Naomi Iacoponi, MD**; *Chiara Casula, 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)