

# GENERAL

## Wednesday

### Poster Session

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11:30 AM – 1:00 PM	<b>F1</b>	<b>The Impact of COVID-19 on Death Rates in a Rural Missouri County</b> <i>Marie Lasater, MSN*</i>
11:30 AM – 1:00 PM	<b>F2</b>	<b>Predicting Accidental Drug Overdose as the Cause and Manner of Death in Near Real-Time Using the Suspected Potential Overdose Tracker (SPOT) Tool—New York City, 2018–2020</b> <i>Karli Hochstatter, PhD, MPH*; Jason Graham, MD</i>
11:30 AM – 1:00 PM	<b>F3</b>	<b>Research Questionnaires to Assess Law Enforcement Use of Near-Surface Geophysics</b> <i>Michelle Proulx*; Libby Stern, PhD; Jason Parrish, BA</i>
11:30 AM – 1:00 PM	<b>F4</b>	<b>Determining Diets Via Blood for Forensic Applications</b> <i>Estreylla Sierra, BS*; Jan Halamek, PhD</i>
11:30 AM – 1:00 PM	<b>F5</b>	<b>When the Killer Is Waiting for You at the Door: A Case Report of a Katana Murder</b> <i>Vittorio Gatto, PhD*; Riccardo Renzi, MD; Franco Marinelli, MD</i>
11:30 AM – 1:00 PM	<b>F6</b>	<b>A Thousand Ways to Die: When the Suicidal Instinct Cannot be Stopped</b> <i>Vittorio Gatto, PhD*; Riccardo Renzi, MD; Franco Marinelli, MD; Enrico Silingardi</i>
11:30 AM – 1:00 PM	<b>F7</b>	<b>Godfathers on the Beach—The Hidden Corpse Under the Sand: A Case Report</b> <i>Federico Privitera, MD*; Gabriele Licciardello, MD*; Carlotta Scavone, MD; Andrea Giovanni Musumeci, MD; Giovanni Marci, PhD; Monica Salerno, MD, PhD</i>
11:30 AM – 1:00 PM	<b>F8</b>	<b>Is Infrared Photography Equivalent to the Use of Chromophore Testing for Muzzle-to-Target Distance Determination in Gunshot Residue?</b> <i>Jeff Kay, MFS*; Ismail Sebetan, MD, PhD*; Paul Stein, PhD*</i>
11:30 AM – 1:00 PM	<b>F9</b>	<b>Forensic Sexual Assault Evidence: Moving Past Differential Extractions</b> <i>Raman Sandu-Kirmer, MFS*; Ismail Sebetan, MD, PhD*; Paul Stein, PhD*</i>
11:30 AM – 1:00 PM	<b>F10</b>	<b>The Shelf Life and Effectiveness of Blood Reagents Over Time</b> <i>Aimee Nolan, MFS*; Ismail Sebetan, MD, PhD*; Paul Stein, PhD*</i>
11:30 AM – 1:00 PM	<b>F11</b>	<b>Gun Violence: Recreating Shooting Incidents</b> <i>Michele Valeros, MFS*; Ismail Sebetan, MD, PhD*; Paul Stein, PhD*</i>
11:30 AM – 1:00 PM	<b>F12</b>	<b>The Variation in Suicide Note Traits Between Men and Women</b> <i>Eleanor Abreo, MD*; Edana Stroberg, DO</i>
11:30 AM – 1:00 PM	<b>F13</b>	<b>The Role of the Ethics Committee in Research Activities During the SARS-CoV2 Pandemic</b> <i>Barbara Abenante, MD*; Francesca Capello, MD*; Giancarlo Di Vella, PhD; Lucia Tattoli, PhD</i>
11:30 AM – 1:00 PM	<b>F14</b>	<b>An Improbable Ballistic Trajectory in a Firearm Suicide With an Expanding Ammunition</b> <i>Audrey Servoise*; Bérengère Dautreme; Elise Hardoin; Benjamin Mokdad, MD; Gilles Tournel, MD, PhD</i>
11:30 AM – 1:00 PM	<b>F15</b>	<b>Kinship vs. Unidentified Human Remains (UHR)</b> <i>Kent Harman, MBA*</i>

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11:30 AM – 1:00 PM	<b>F16</b>	<b>True Believers: An Analysis of Trauma Associated With Modern Incidences of Human Sacrifice</b> <i>Samantha McCrane, MA*</i> ; <i>Megan Fry, MA</i> ; <i>Chu Hsiao, PhD</i>
11:30 AM – 1:00 PM	<b>F17</b>	<b>A Case Report of Suicidal Hanging With Precipitation</b> <i>Elise Hardoin*</i> ; <i>Bérenghère Dautreme</i> ; <i>Audrey Servoise</i> ; <i>Albane Guigne</i> ; <i>Anne-Claire Lhoumeau, MD</i> ; <i>Gilles Tournel, MD, PhD</i>
11:30 AM – 1:00 PM	<b>F18</b>	<b>WITHDRAWN</b>
11:30 AM – 1:00 PM	<b>F19</b>	<b>Ossified Cephalohematoma in a 27-Day-Old Infant: A Rare Finding Diagnosed by Postmortem Computed Tomography (CT) Scan</b> <i>Michael Pagacz, MD*</i> ; <i>Zabiullah Ali, MD</i>
11:30 AM – 1:00 PM	<b>F20</b>	<b>The Optimization of 3D Fingermark Images for Use in the Federal Bureau of Investigation's (FBI's) Universal Latent Workstation (ULW)</b> <i>Nicole Stanaback*</i> ; <i>Josep De Alcaraz-Fossoul, PhD</i>

## Thursday

### Comparison Evidence

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Moderator: *Gulnaz Javan*

Co-Moderator: *Kristen Osgood*

8:30 AM – 8:45 AM	<b>F21</b>	<b>Fingerprints: A Signature Through Time</b> <i>Tracy Brisendine, BA*</i>
8:45 AM – 9:00 AM	<b>F22</b>	<b>WITHDRAWN</b>
9:00 AM – 9:15 AM	<b>F23</b>	<b>Ridge Volume as a Metric for Fingermark Age Determination and Sex Discrimination</b> <i>Nicole Stanaback*</i> ; <i>Josep De Alcaraz-Fossoul, PhD</i>
9:15 AM – 9:30 AM	<b>F24</b>	<b>The Development of Potential Chemical Print Database in the United Arab Emirates (UAE) for the Analysis of Fatty Acids in Latent Fingerprints as Evidentiary Value in Forensic Investigations</b> <i>Mayssa Hachem, PhD*</i>
9:30 AM – 9:45 AM	<b>F25</b>	<b>Surface-Enhanced Raman Spectroscopy Enables Highly Accurate Identification of Different Brands, Types, and Colors of Hair Dyes</b> <i>Dmitry Kurouski, PhD*</i> ; <i>Samantha Higgins, MSc</i>
9:45 AM – 10:00 AM	<b>F26</b>	<b>Sweat Analysis Leading to the On-Site Detection for Drugs and Alcohol in the Body</b> <i>Jan Halamek, PhD*</i> ; <i>Giana Biddle, MS</i> ; <i>Ashley Newland, MS</i> ; <i>Emilynn Banks, BS</i> ; <i>Estreylla Sierra, BS</i>
10:00 AM – 10:15 AM		<b>BREAK</b>

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## Feet and Education

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Moderator: Denise Abboud

Co-Moderator: Francesco Sessa

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|---------------------|------------|---|
| 10:15 AM – 10:30 AM | <b>F27</b> | <b>Let the Feet Do the Talking</b><br><i>Anita Hasert, BS*</i>  |
| 10:30 AM – 10:45 AM | <b>F28</b> | <b>The Analysis of Feet, Footprints, and Gait—How Principles of Forensic Podiatry Assist in Criminal Investigations</b><br><i>Kewal Krishan, PhD; Michael Nirenberg, DPM*</i>     |
| 10:45 AM – 11:00 AM | <b>F29</b> | <b>A Comparison of Various Score-Based Likelihood Ratio (SLR) Methods for the Quantitative Assessment of Footwear Evidence</b><br><i>Valerie Han, BA*; Alicia Carriquiry, PhD</i> |
| 11:00 AM – 11:15 AM | <b>F30</b> | <b>WITHDRAWN</b>  |
| 11:15 AM – 11:30 AM | <b>F31</b> | <b>Source Identification of Shoeprints in a Mock Crime Scene Using an Algorithm Based on Automatic Alignment</b><br><i>Hana Lee, BS*; Alicia Carriquiry, PhD</i>                  |
| 11:30 AM – 11:45 AM | <b>F32</b> | <b>Available Now: The First Open Access and Globally Accessible Forensic Science Library</b><br><i>Jeff Teitelbaum, MS*</i>   |
| 11:45 AM – 12:00 PM | <b>F33</b> | <b>Are Internships History?</b><br><i>Max Houck, MA, PhD*</i>   |
| 12:00 PM – 12:15 PM | <b>F34</b> | <b>Avoiding Alkynes of Hiring Issues: Bridging the Undergraduate Gap of Academics to Practice</b><br><i>Michelle Rippy, MFS, EdD*</i>   |
| 12:15 PM – 1:30 PM  |            | <b>BREAK</b>  |

## Standards

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Moderator: Miron Gilbert

Co-Moderator: Caitlin Porterfield

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|-------------------|------------|---|
| 1:30 PM – 1:45 PM | <b>F35</b> | <b>Medicolegal Death Investigation—A Call for Uniformity in Core Data Elements to Support Interoperability and Electronic Exchange of Information</b><br><i>Kelly Keyes, BS*; Erica Fornaro, BS; Jeri Roper-Miller, PhD</i> |
| 1:45 PM – 2:00 PM | <b>F36</b> | <b>Standards Development Activities in Medicolegal Death Investigation</b><br><i>Kelly Keyes, BS*; Elissia Conlon, BA</i>   |
| 2:00 PM – 2:15 PM | <b>F37</b> | <b>Standards Development Activities in Wildlife Forensic Biology</b><br><i>Kimberly Frazier, MS; Jason Byrd, PhD*; Christina Lindquist, MS</i>  |
| 2:15 PM – 2:30 PM | <b>F38</b> | <b>Knowing What's Best: An Examination of Investigator Perspectives on the Relevance of "Best Practice"</b><br><i>Steff King, MA*; Sheri Fabian, PhD; Gail Anderson, PhD</i>  |
| 2:30 PM – 2:45 PM | <b>F39</b> | <b>A Blueprint to Building an International Organization for Standardization (ISO) Quality Management System</b><br><i>Nicole Jones, MS*; Kelly Keyes, BS; John Grassel, MS</i>   |

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2:45 PM – 3:00 PM	<b>F40</b>	<b>How Creating Infrastructure and Incentives Can Increase Quality in Forensic Science</b> <i>Brian Gestring, MS*</i>
3:00 PM – 3:15 PM	<b>F41</b>	<b>High Reliability Organizations: What Are They and How Do They Relate to Crime Laboratories?</b> <i>Martin Novak, MPA*</i>
3:15 PM – 3:30 PM		<b>BREAK</b>

## Animals and Drugs

Moderator: *Monica Broncucia-Jordan*

Co-Moderator: *Kristina Scott*

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3:30 PM – 3:45 PM	<b>F42</b>	<b>Canines Can Accurately Pinpoint the Location of Drowning Victims: Deep, Cold Water Recoveries</b> <i>Mary Cablk, PhD*</i>
3:45 PM – 4:00 PM	<b>F43</b>	<b>An Instrument-Based Approach to the Use of Human Scent as a Biometric</b> <i>Vidia Gokool, MS*; Chantrell Frazier, DPhil; Howard Holness, PhD; Kenneth Furton, PhD</i>
4:00 PM – 4:15 PM	<b>F44</b>	<b>Large Animal Veterinary Forensics</b> <i>Cheryl Nelson, DVM*</i>
4:15 PM – 4:30 PM	<b>F45</b>	<b>Cutaneous Lesions Associated With “Skin Popping”: Case Reports</b> <i>Mattia Arturi, MS*; Martina Demasi, MD; Chiara Franzetti, MD; Pietro Salmoirago, MD; Luisa Andreello, MD, PhD; Matteo Moretti, MD; Silvia Visonà, PhD; Luca Morini, PhD</i>
4:30 PM – 4:45 PM	<b>F46</b>	<b>Combining Color Tests With Paper Spray-Mass Spectrometry for Drug Detection</b> <i>Sarah Prunty, BS*; Nicholas Manicke, PhD; Dan Carmany, MS; Elizabeth Dhummakupt, PhD</i>
4:45 PM – 5:00 PM	<b>F47</b>	<b>Standardization of Dogs and Sensors: Update on Current and Planned Standard of the Dogs and Sensors ASB Consensus Body</b> <i>Kelvin Frank, Jr., MSFS; Howard Holness, PhD; Suzanne Perry, Paola Prada-Tiedemann, PhD; Kenneth Furton, PhD*</i>
5:00 PM – 5:15 PM	<b>F48</b>	<b>The Determination of the Breakdown Products of Black Tar and Powder Heroin via Ultra Performance Liquid Chromatography-Photo Diode Array (UPLC-PDA)</b> <i>Alyssa Sanchez, BS*; Bruce McCord, PhD</i>

## Poster Session

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11:30 AM – 1:00 PM	<b>F49</b>	<b>Fetal Alcohol Spectrum Disorder (FASD) and Criminal Justice: An Italian Research Project</b> <i>Francesco Sessa, MS, PhD*; Giuseppe Li Rosi, MD; Salvatore Rocuzzo, MD; Giuseppe Cocimano, MD; Massimiliano Esposito, MD; Cristoforo Pomara, MD</i>
11:30 AM – 1:00 PM	<b>F50</b>	<b>Unlocking the Mysteries of Faith: The Importance of Forensic Sciences in a Case Series</b> <i>Francesco Sessa, MS, PhD*; Giuseppe Cocimano, MD; Pietro Zuccarello, PhD; Federica Ministeri, MD; Federico Privitera, MD; Cristoforo Pomara, MD</i>
11:30 AM – 1:00 PM	<b>F51</b>	<b>Croatian Forensic DNA Database: Past, Present, and Future</b> <i>Igor Obležčuk, MS; Andrea Ledic, MS*; Adela Makar, MS; Vedrana Škaro, PhD; Sasa Missoni, PhD; Damir Marjanović, PhD; Dragan Primorac, MD, PhD</i>

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- 11:30 AM – 1:00 PM **F52** **Can Stab Injuries Determine the Position of the Aggressor? An Exercise With a Real Case**  
*Ricardo Mendonca, MS\**; *Sara Adriaola, MS*; *Eduardo Coutinho, MS*; *João Pinheiro, PhD, MD*
- 11:30 AM – 1:00 PM **F53** **When Book Fiction Becomes Reality: A Case Report of a Brutal Murder With a Hammer and a Related Flubromazepam Intoxication**  
*Vittorio Gatto, PhD\**; *Riccardo Renzi, MD*; *Franco Marinelli, MD*
- 11:30 AM – 1:00 PM **F54** **Drug Addiction and Pregnancy: A “Crack” Baby Case**  
*Sara Adriaola, MS\**; *Ricardo Mendonca, MS*; *Eduardo Coutinho, MS*; *Helena Corro, MS*; *João Pinheiro, PhD, MD*
- 11:30 AM – 1:00 PM **F55** **The Migratory Phenomenon in Italy During the COVID-19 Pandemic: A Technical and Methodological Approach of Hotspot Inspection in the Medicolegal Perspective for Public Health and Human Rights**  
*Giuseppe Cocimano, MD\**; *Aldo Liberto, MD*; *Giuseppe Li Rosi, MD*; *Salvatore Rocuzzo, MD*; *Salvatore Iannuzzi, MD*; *Cristoforo Pomara, MD*
- 11:30 AM – 1:00 PM **F56** **A 3D Reconstruction of a Complex Road Accident**  
*Marco Torrisi, MD\**; *Martina Francaviglia, MD\**; *Andrea Vittorio Maria Failla, MD\**; *Federico Privitera, MD*; *Francesco Sessa, MS, PhD*; *Cristoforo Pomara, MD*
- 11:30 AM – 1:00 PM **F57** **Strangulation Asphyxia: Homicide or Suicide? A Practical Approach**  
*Laura Panata, MD\**; *Michela Ferrara, MD\**; *Giuseppe Bertozzi, MD*; *Luca Pistolesi, MD*; *Isabella Mercurio, MD*; *Massimo Lancia, MD*; *Gianpietro Volonnino, MD*; *Mauro Bacci, MD\**
- 11:30 AM – 1:00 PM **F58** **To Die in Pursuit of Beauty: A Case of Systemic Silicone Oil Embolism After a Breast Beauty Treatment**  
*Vittorio Gatto, PhD\**; *Franco Marinelli, MD*; *Riccardo Renzi, MD*
- 11:30 AM – 1:00 PM **F59** **Self-Immolation: A Case Series Investigating the Motivations and Risk Factors of a Rare Method of Suicide**  
*Abdulaziz Al-Malki, MD\**
- 11:30 AM – 1:00 PM **F60** **Trainspotting: Sudden Unexpected Death After Cannabis Consumption**  
*Giuseppe Bertozzi, MD\**; *Michela Ferrara, MD\**; *Giovanni Pollice, MD*; *Simona Vittorio, MS*; *Elena Giacani, MD*; *Giovanni Gurgoglione, MD*; *Giuseppe Rinaldi, MD*; *Raffaele La Russa, MD*
- 11:30 AM – 1:00 PM **F61** **Measuring the Environmental Degradation of Traditional Drug and Novel Psychoactive Substance (NPS) Residues**  
*Elizabeth Robinson, MS\**; *Edward Sisco, PhD*
- 11:30 AM – 1:00 PM **F62** **Unidentified Child Remains: Analysis of Identifications**  
*Amanda Bixler, MA\**
- 11:30 AM – 1:00 PM **F63** **Eros and Thanatos: When Autoerotic Stimulation Leads to Death: A Presentation of Three Cases**  
*Nicola Galante, MD\**; *Lorenzo Franceschetti, MD*; *Graziano Domenico Luigi Crudele, MD*; *Irene Carabelli, MD*; *Domenico Furci, MD*; *Riccardo Zoia, MD*
- 11:30 AM – 1:00 PM **F64** **Youth Suicide Trends in Georgia: A Retrospective Study on the Effects of Pop Culture, Social Media, and the COVID-19 Pandemic**  
*Samantha Mattox, DO\**; *Cody Archer, BS*; *Elizabeth Andrews, BS*; *John Carter, PhD, MPH*; *Natasha Grandhi, MD*

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11:30 AM – 1:00 PM	<b>F65</b>	<b>Solvent Effects in the Analysis of Explosives</b> <i>Clarissandra Braun*</i> ; <i>Kenyon Evans-Nguyen, PhD</i>
11:30 AM – 1:00 PM	<b>F66</b>	<b>The Architecture of a Face: Craniofacial Forensic Reconstruction on Paper</b> <i>Sharon Moses, PhD*</i>
11:30 AM – 1:00 PM	<b>F67</b>	<b>Cadaver Dogs and Handlers: Detection of Ancient Bones</b> <i>Hannah Cawley*</i> ; <i>Lisa Ludvico, PhD</i>
11:30 AM – 1:00 PM	<b>F68</b>	<b>A Cruel Case of Homicide: Execution by Carbonization After an Assault With a Knife</b> <i>Andrea Cioffi, MD*</i> ; <i>Camilla Cecannecchia, MD*</i> ; <i>Benedetta Baldari, MD</i>
11:30 AM – 1:00 PM	<b>F69</b>	<b>Toxicological Effects of Amnesic Shellfish Poison (ASP) Poisoning: From Cleopatra’s Controversial Death to Modern-Day Forensic Considerations</b> <i>Francesco Galassi, MD, PhD*</i> ; <i>Giulio Pulpito, MD*</i> ; <i>Elena Varotto, PhD*</i> ; <i>Valerio Aquila, MD*</i> ; <i>Matteo Sacco, MD*</i> ; <i>Alessandro Tarallo, MD*</i> ; <i>Saverio Gualtieri, MD*</i> ; <i>Fabrizio Cordasco, MD</i> ; <i>Carmen Scalise, PhD, MD</i> ; <i>Vincenzo Ritorto, MD*</i> ; <i>Maria Manno, MD</i> ; <i>Umberto Rosini, MD</i> ; <i>Martino Maesani, MD</i> ; <i>Angelica Zibetti, MD</i> ; <i>Santo Gratteri, PhD, MD</i> ; <i>Pietrantonio Ricci, PhD, MD</i> ; <i>Isabella Aquila, PhD, MD*</i>

## Friday—Session I

### Case Studies

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Moderator: Alice Blair

Co-Moderator: Stephanie Terndrup

8:30 AM – 8:45 AM	<b>F70</b>	<b>The 1921 Tulsa Race Massacre and the Demographics of Death</b> <i>Phoebe Stubblefield, PhD*</i> ; <i>Angela Berg, MA</i> ; <i>Robert Pickering, PhD</i>
8:45 AM – 9:00 AM	<b>F71</b>	<b>A 1966 Unsolved Homicide, Conjecture, and Forensic Inadequacy</b> <i>Tracy Brisendine, BA*</i>
9:00 AM – 9:15 AM	<b>F72</b>	<b>A Case Study: Was This a Homicide or Did The Decedent Get His Wish to Fly High and Be Fed to The Birds?</b> <i>Emily Ditto, BA*</i> ; <i>Brett Bulington*</i> ; <i>Carrie Costello, MS</i>
9:15 AM – 9:30 AM	<b>F73</b>	<b>A Case of Filicide: Combined Homicide by Asphyxiation and Stabbing</b> <i>Andrea Cioffi, MD</i> ; <i>Benedetta Baldari, MD*</i> ; <i>Camilla Cecannecchia, MD</i>
9:30 AM – 9:45 AM	<b>F74</b>	<b>A Successful Multidisciplinary Medicolegal Investigation in the Absence of a Body</b> <i>Kyle Shaw, MBBS</i> ; <i>Krystal Locklear, BAS</i> ; <i>Brett Harding, MBA*</i>
9:45 AM – 10:00 AM	<b>F75</b>	<b>A Case of Death From Pneumonia Due to Medical Malpractice in a Young Man Suffering From Psychiatric Disorders</b> <i>Laura Scotti, MD*</i> ; <i>Giacomo Belli, MD</i> ; <i>Paola Braga, MD</i> ; <i>Matteo Moretti, MD</i> ; <i>Silvia Visonà, PhD</i> ; <i>Luca Morini, PhD</i>
10:00 AM – 10:15 AM	<b>F76</b>	<b>Examining Trends in Juvenile Deaths in Harris County, Texas: A Seven-Year Retrospective Review (2015–2021)</b> <i>Carolyn Berthelot, MS*</i> ; <i>Kaeleigh Demeter, BS, BA*</i> ; <i>Pramod Gumpeni, MD</i>
10:15 AM – 10:30 AM		<b>BREAK</b>

# GENERAL

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## At Risk Population

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Moderator: Lee Bushong

Co-Moderator: Gulzan Javan

- 10:30 AM – 10:45 AM **F77** **Knowledge, Awareness, and Attitudes Toward Child Abuse and Pediatric Patient Management During the COVID-19 Pandemic Among Students of Medicine and Surgery: A Key to Improving Forensic Medicine Courses**  
*Giovanni Aulino, MD\**; *Flavia Beccia, MD*; *Michele Rega, MD*; *Chiara Siodambro, MS*; *Stefania Boccia, MD*; *Antonio Lanzone, MD*; *Antonio Oliva, MD, PhD*
- 10:45 AM – 11:00 AM **F78** **The Italian Missing Children Association Realizing Age Progression for Missing Children Organization: The Collaboration With Missing Child Kenya**  
*Laura Donato, PhD\**; *Rossana Cecchi, MD*; *Maryana Munyendo, BA*; *Alessandro di Luca, MD*; *Francesca Filloramo, MD*
- 11:00 AM – 11:15 AM **F79** **Sexual Violence Among Female Youth Gang Members in Our Communities**  
*Cliff Akiyama, MPH, MA\**
- 11:15 AM – 11:30 AM **F80** **WITHDRAWN**
- 11:30 AM – 11:45 AM **F81** **The Multidisciplinary Role for the Multiform Issues of Medicolegal Assessment of Physical Abuses in Asylum Seekers**  
*Lorenzo Franceschetti, MD\**; *Francesca Magli, MA*; *Lidia Maggioni, MD*; *Vera Gloria Merelli, MD*; *Danilo De Angelis, DDS*; *Alessandra Kustermann, MD*; *Cristina Cattaneo, MD, PhD*
- 11:45 AM – 12:00 PM **F82** **The Management of Dead Migrants: Standardization of Data Collected and Centralization of Databases Toward Helping Families Find Their Loved Ones**  
*Sherry Fox, PhD\**; *Admir Jugo, PhD*
- 12:00 PM – 12:15 PM **F83** **A Novel Surveillance Method for Suspected Drug-Related Deaths**  
*Marlon Williams, MPH\**; *Andrew Falzon, MD*
- 12:15 PM – 1:30 PM **BREAK**

## Bias, Ethics, and Education

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Moderator: Stacey Chepren

- 1:30 PM – 1:45 PM **F84** **The Harassment and Bullying of Forensic Scientists: The Impact of Gender, Organizational Hierarchy, and Civil Servant Status**  
*Rana DellaRocco, BS, MS, MPA\**; *Ryan Krone, PhD*; *Nancy Wayne, PhD*
- 1:45 PM – 2:00 PM **F85** **Offender Motivation, Victim Vulnerability, and Systemic Bias: Understanding Patterns in Transgender Homicide Victimization Data**  
*Robert Eckstein, PsyD\**; *Amy Michael, PhD\**
- 2:00 PM – 2:15 PM **F86** **An Ounce of Prevention: A Simple and Practical Tool for Mitigating Cognitive Bias in Forensic Decisions**  
*Adele Quigley-McBride, PhD\**; *Tiffany Roy, MSFS, JD*; *Brandon Garrett, JD*; *Jeff Kukucka, PhD*
- 2:15 PM – 2:30 PM **F87** **Criminology Skills—Between Ethical Questions And Responsibilities**  
*Giuseppina Seppini, MS\**; *Iolanda Ippolito, MS*

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2:30 PM – 2:45 PM	<b>F88</b>	<b>An Update on Ethics Committee Approval Reporting in Cadaveric-Based Research Publication: A Five-Year Study</b> <i>Mohammad Nasir Ahmad, PhD*; Vina Vaswani, MD, MPhil, PhD</i>
2:45 PM – 3:00 PM	<b>F89</b>	<b>Using the Science Teachers' Assessment Literacy Model as a Framework for Implementing Specifications Grading in a Senior-Level Forensic Laboratory Quality-Assurance and Professional Practices Course</b> <i>Tamra Legron-Rodriguez, PhD*; Christopher Randles, PhD</i>
3:00 PM – 3:15 PM	<b>F90</b>	<b>The National Institute of Justice's Forensic Science Strategic Research Plan</b> <i>Lucas Zarwell, MFS*</i>
3:15 PM – 3:30 PM		<b>BREAK</b>

## Crime Scene Response

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Moderator: Madai Batista

Co-Moderator: Lenny Reinart

3:30 PM – 3:45 PM	<b>F91</b>	<b>WITHDRAWN</b>
3:45 PM – 4:00 PM	<b>F92</b>	<b>Improving Crime Scene Investigator (CSI) Response: An Early Roadmap for the Increased Quality and Effectiveness of Crime Scene Investigations</b> <i>Joe Trevino, MS*</i>
4:00 PM – 4:15 PM	<b>F93</b>	<b>An Investigation of Best Practices for Fatal and Non-Fatal Bathing-Environment Cases: Guidelines and Tools for Scene Investigators, Law Enforcement, Medical Personnel, Death Investigators, and Jurisprudence</b> <i>Andrea Zaferes, BS*; Robert Bready, MS</i>
4:15 PM – 4:30 PM	<b>F94</b>	<b>Assessing an Innovative Response to Intimate Partner Violence-Related Strangulation</b> <i>Katherine Brown, PhD*; Tara Shelley, PhD; Cortney Franklin, PhD</i>
4:30 PM – 4:45 PM	<b>F95</b>	<b>Forensic Archeology and Crime Scene Management: Challenges and Shortcomings in the Colombian Context</b> <i>Claudia Delgado-Aguacia, MSc*; Santiago Reina-Camacho, MSc</i>
4:45 PM – 5:00 PM	<b>F96</b>	<b>The Rural-Urban Differences in Access to Medicolegal Death Investigation Resources and Services: Findings From the 2018 Census of Medical Examiner and Coroner Offices (CMEC)</b> <i>Kelly Keyes, BS; Hope Smiley-McDonald, PhD*; Paige Presler-Jur, MS; Anum Imran, BS; Jeri Roper-Miller, PhD</i>
5:00 PM – 5:15 PM	<b>F97</b>	<b>The Trends and Demographic Differences in Overdose Deaths Before and During the COVID-19 Pandemic in Jefferson County, Alabama</b> <i>Abby Chapman*; Caitlin Wolford-Clevenger, PhD; Brandi McCleskey, MD</i>



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## Friday—Session II

### Identification I

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Moderator: Clifton Calloway

Co-Moderator: Jessica Crowson

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| 8:30 AM – 8:45 AM  | <b>F98</b>  | <b>A Multiagency Investigation of Multiple Murders in the United States With the Trial in Indonesia</b><br><i>Lakshmanan Sathyavagiswaran, MD*</i>  |
| 8:45 AM – 9:00 AM  | <b>F99</b>  | <b>Alternate Light Source (ALS) Detection of Subclinical Bruising: Lessons Learned While Assessing a Forensic Technique</b><br><i>Leonard Reinart, JD, MS*</i>  |
| 9:00 AM – 9:15 AM  | <b>F100</b> | <b>Forensic Autopsies: The Contribution of the Systematic Practice of Subcutaneous Dissection for Detecting Contusions or Deep Hematoma Not Visible on External Visual Examination</b><br><i>Laetitia Leveque, MD*; Eric Baccino, MD; Martrille Laurent, MD</i> |
| 9:15 AM – 9:30 AM  | <b>F102</b> | <b>Traceability of Human Remains From Discovery to Burial: DIVIDOC and DIVIMAP</b><br><i>Jose Baraybar, PhD*; Armand Prioreshi; Pierre Francois, PhD</i>  |
| 9:30 AM – 9:45 AM  | <b>F103</b> | <b>Pesticides and Blow Flies: How Do Clothianidin and Bifenthrin Affect Calliphoridae (Diptera) Oviposition?</b><br><i>Teomie Rivera-Miranda, PhD*; Krystal Hans, PhD</i>   |
| 9:45 AM – 10:15 AM |             | <b>BREAK</b>  |

### Identification II

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Moderator: Angel Miles

Co-Moderator: Daniel Morgan

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| 10:15 AM – 10:30 AM | <b>F104</b> | <b>The Influence of the Victim-Offender Relationship on Body Disposal in Solved United Kingdom Homicides</b><br><i>Anna Williams, PhD*; Kirsty Bennett, MSc</i>  |
| 10:30 AM – 10:45 AM | <b>F105</b> | <b>WITHDRAWN</b>   |
| 10:45 AM – 11:00 AM | <b>F106</b> | <b>Information Analysis on Disappearance Cases for the Construction of Missing Persons Lists and the Identification of Disposed Places in River Environments: Experiences in La Miel River, Caldas, Colombia</b><br><i>Luz Perez, PhD*; Ana Carolina Guatame, MSc; Alexander Sabogal; Camilo Castro, Geographer; Natalia Camacho</i> |
| 11:00 AM – 11:15 AM | <b>F107</b> | <b>Domicile Unknown: Scientific Challenges of Identifying Homeless Decedents</b><br><i>Jessica Crowson, MSc*</i>   |
| 11:15 AM – 11:30 AM | <b>F108</b> | <b>Decedent Identification: A Look at Forensic Genealogy When All Other Methods Failed</b><br><i>David Kintz, BS*</i>  |
| 11:30 AM – 11:45 AM | <b>F109</b> | <b>WITHDRAWN</b>   |

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11:45 AM – 12:00 PM      **F110**      **Medicolegal Issues in Cremation: A Comparative Analysis of International Legislation and a Proposal of a Unified Operating Methodology**  
*Gaetano Di Donna, MD\**; *Ludovica Busillo, MD*; *Pierpaolo Di Lorenzo, MD*; *Claudia Casella, JD*;  
*Mariagrazia Marisei, MD*; *Serena Dei Medici, MD*; *Emanuele Capasso, MD*; *Massimo Niola, MD*

12:00 PM – 1:30 PM      **BREAK**

## Firearms

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*Moderator: Cliff Akiyama*

*Co-Moderator: Frank Bailey*

- 1:30 PM – 1:45 PM      **F111**      **Firearms Deactivation and Deactivation Process Control in Croatia/European Union**  
*Damir Tomasek, MS\**
- 1:45 PM – 2:00 PM      **F112**      **The Direct Detection of Invisible Gun Powder Residue on Fabric Surfaces: A Nano Tape and a Biological Microscope Method**  
*John Wang, PhD\**
- 2:00 PM – 2:15 PM      **F113**      **A Comparison Between Normal Test Firing and Submerged Test Firing of the Same Firearm and Ammo**  
*Ali Shahid Hussain, BME\**
- 2:15 PM – 2:30 PM      **F114**      **A Quick Comparison of the Polygonal Rifling Using a 4K Resolution Microscope: A Field Examination Approach**  
*John Wang, PhD\**
- 2:30 PM – 2:45 PM      **F115**      **The 3D Correlations in Automated Ballistic Identification Systems Using the Evofinder® Ballistic Identification System**  
*Logan Eickhoff, BS\**

## Poster Session

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- 11:30 AM – 1:00 PM      **F101**      **The Effect of Common Drugs on Human Body Decomposition and the Soil Environment**  
*Gabriela Mroz, MSc\**; *Sophie Turfus, MSc, PhD*; *Anna Williams, PhD*
- 11:30 AM – 1:00 PM      **F116**      **The Attitudes of Infertile Italian Women Regarding Ethical and Regulatory Limits of Medically Assisted Procreation (MAP)**  
*Andrea Cioffi, MD\**; *Camilla Cecannecchia, MD\**
- 11:30 AM – 1:00 PM      **F117**      **The Role of Forensic Medicine in Addressing War Crimes: A Perspective From the Russia-Ukraine Conflict During the COVID-19 Pandemic**  
*Andrea Cioffi, MD\**; *Camilla Cecannecchia, MD\**
- 11:30 AM – 1:00 PM      **F118**      **A Wake-Up Call on the Deceptive Nature of Sodium Nitrite Suicides: A Case Series**  
*Alice Chiara Manetti, MD\**; *Valentina Bugelli, MD, PhD\**; *Ilaria Marcacci, MD\**;  
*Carla Occhipinti, MD*; *Naomi Iacoponi, MD*; *Ilaria Tarozzi, MD*; *Fabio Stefanelli, PhD*;  
*Silvio Chericoni, PhD*
- 11:30 AM – 1:00 PM      **F119**      **Surveillance Fails: Suicides in Jails**  
*Giovanni Pollice, MD\**; *Diego Moro, MD\**; *Raffaele La Russa, MD*;  
*Michele Ahmed Antonio Karaboue, MLL*; *Valentina Milone, MD*;  
*Benedetta Baldari, MD\**; *Simona Vittorio, MS\**

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- 11:30 AM – 1:00 PM **F120** **Exploring Potential Factors That Can Impact Students’ Professional Identity in Forensic Science**  
*Abigail Castillo, BS\**; *Cameron Bechard, BS*; *Tamra Legron-Rodriguez, PhD*;  
*Nicole Lapeyrouse, DPhil*
- 11:30 AM – 1:00 PM **F121** **The Use of Barr Bodies to Determine Sex in Samples of Forensic Significance**  
*Julianna Jimenez, BS\**; *Kimberlee Moran, MSc*; *Marianne Hamel, MD, PhD*
- 11:30 AM – 1:00 PM **F122** **The Effects of Sleep Deprivation and Fatigue on Crime Scene Examination**  
*Kimberlee Moran, MSc\**; *Skylar Gohn, MSFS\**; *Andrea Spaeth, PhD*
- 11:30 AM – 1:00 PM **F123** **Group Sexual Violence: The Experience of Careggi Hospital in Florence (2010–2021)**  
*Chiara Siodambro, MS\**; *Amalia Rizzo, MS*; *Marco Occari, MS*; *Francesca Pampaloni, MD*;  
*Paola D’Onofrio, MD*; *Edoardo Orlandi, MLL*; *Martina Focardi, MS*; *Vilma Pinchi, MS*
- 11:30 AM – 1:00 PM **F124** **Forensic Aspects in Death and Injuries Due to Elderly Neglect: Interpretative Criteria in the Acknowledgment of Elderly Maltreatment**  
*Angelica Zibetti, MD\**; *Umberto Rosini, MD*; *Matteo Sacco, MD\**; *Martino Maesani, MD*;  
*Carmen Scalise, PhD, MD*; *Fabrizio Cordasco, MD*; *Maria Manno, MD*; *Saverio Gualtieri MD\**;  
*Pietrantonio Ricci, PhD, MD*; *Isabella Aquila, PhD, MD\**
- 11:30 AM – 1:00 PM **F125** **The Chemical Analysis of Sexual Lubricant Residue: A Comparison of Swabs Used to Perform Medical Examinations Analyzed by Spectroscopic Techniques**  
*Safiya Best, PhD\**; *Candice Bridge, PhD*; *Santana Thomas, PhD*
- 11:30 AM – 1:00 PM **F126** **The Ahoms—The Lost Dynasty of Northeast India: Reconstructing Ancestry Through Palaeogenomics Approaches**  
*Sachin Kumar, MTech\**; *Niraj Rai, PhD*
- 11:30 AM – 1:00 PM **F127** **Proteomics Profiling From Skeletal Remains for Forensic Time-Since-Death Estimations: A Systematic Review and Future Probabilities**  
*Jagmahender Sehrawat, PhD*; *Mohammad Nasir Ahmad, PhD\**
- 11:30 AM – 1:00 PM **F128** **Self-Amputation in Complex Suicides: A Comparison of Two Cases**  
*Elizabeth Higginson, MD, PhD\**; *Catherine Perez, MD*; *Eleftherios Vouyoukas, MD*;  
*Jeffrey Jentzen, MD, PhD*; *Allecia Wilson, MD*
- 11:30 AM – 1:00 PM **F129** **“Long Covid” Injury in Health Care Workers: The Biological Damage and Indemnity Compensation**  
*Claudia Pitrone, MD\**; *Elena Forzese, MD\**; *Giorgia Burrascano, MD*; *Chiara Stassi, MD*;  
*Gennaro Baldino, MD*; *Cristina Mondello, MD*; *Elvira Ventura Spagnolo, MD*;  
*Alessio Asmundo, MD*; *Daniela Sapienza, MD*
- 11:30 AM – 1:00 PM **F130** **The Role of Fauna at the Crime Scene: A Risk of Contamination or a Possible Aid in Reconstruction?**  
*Alessandro Tarallo, MD\**; *Matteo Sacco, MD\**; *Valerio Aquila, MD\**; *Giulio Pulpito, MD\**;  
*Saverio Gualtieri, MD\**; *Vincenzo Ritorto, MD\**; *Carmen Scalise, PhD, MD*;  
*Fabrizio Cordasco, MD*; *Umberto Rosini MD*; *Maria Manno, MD*; *Roberto Raffaele, BE\**;  
*Martino Maesani, MD*; *Pietrantonio Ricci, PhD, MD*; *Isabella Aquila, PhD, MD\**
- 11:30 AM – 1:00 PM **F131** **Current Status and Future Steps of Forensic Science in the Republic of The Gambia**  
*Peter Dampha, BS\**

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- 11:30 AM – 1:00 PM      **F132**      **The Contribution of Forensic Botany in Solving Cases of Traumatic Deaths With Dubious Dynamics**  
*Umberto Rosini, MD\**; *Angelica Zibetti, MD*; *Maria Manno, MD*; *Martino Maesani, MD*;  
*Carmen Scalise, PhD, MD*; *Fabrizio Cordasco, MD*; *Matteo Sacco, MD\**; *Saverio Gualtieri, MD\**;  
*Vincenzo Ritorto, MD\**; *Alessandro Tarallo, MD\**; *Giulio Pulpito, MD*; *Santo Grattero, PhD, MD*;  
*Pietrantonio Ricci, PhD, MD*; *Isabella Aquila, PhD, MD\**
- 11:30 AM – 1:00 PM      **F133**      **Comparative Detection of Organic Peroxides Used in Improvised Explosive Devices Using Electrospray Ionization-Tandem Mass Spectrometry (ESI-MS/MS) and Liquid Chromatography/Triple Quadrupole/Mass Spectrometry (LC/QqQ/MS)**  
*Kayla Massari, BS, MA\**
- 11:30 AM – 1:00 PM      **F134**      **Death From Heat: A Case Report and Literature Review of Fatal Heat Stroke**  
*Andrea Cioffi, MD\**; *Camilla Cecannecchia, MD\**; *Benedetta Baldari, MD*
- 11:30 AM – 1:00 PM      **F135**      **Humanitarian Forensics in the Era of Conflicts and Pandemic**  
*Shubham Thakur, MSc*; *Jagmahender Sehwat, PhD\**
- 11:30 AM – 1:00 PM      **F136**      **The DNA Analysis of the Human Tissue Leaching From Different Soil Depths**  
*Jenna Hamilton, BA\**; *Pamela Marshall, PhD*