### Poster Session

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

*Presenting Author
11:30 AM – 1:00 PM  F16  True Believers: An Analysis of Trauma Associated With Modern Incidences of Human Sacrifice  
Samantha McCrane, MA*; Megan Fry, MA; Chu Hsiao, PhD

11:30 AM – 1:00 PM  F17  A Case Report of Suicidal Hanging With Precipitation  
Elise Hardoin*; Bérengère Dautreme; Audrey Servoise; Albane Guigne; Anne-Claire Lhoumeau, MD; Gilles Tournel, MD, PhD

11:30 AM – 1:00 PM  F18  How to Approach Drug Intoxication in Pediatric Age: A Five-Year Retrospective Analysis  
Francesco Lupariello, MD; Francesca Capello, MD*; Alice Porceddu, MD*; Barbara Lauria, MD; Sonia Aguzzi, MD; Claudia Bondone, MD; Giancarlo Di Vella, PhD

11:30 AM – 1:00 PM  F19  Ossified Cephalohematoma in a 27-Day-Old Infant: A Rare Finding Diagnosed by Postmortem Computed Tomography (CT) Scan  
Michael Pagacz, MD*, Zabiullah Ali, MD

11:30 AM – 1:00 PM  F20  The Optimization of 3D Fingerprint Images for Use in the Federal Bureau of Intelligence’s (FBI’s) Universal Latent Workstation (ULW)  
Nicole Stanaback*, Josep De Alcaraz-Fossoul, PhD

Thursday

Comparison Evidence

Moderator: TBD   Co–Moderator: TBD

8:30 AM – 8:45 AM  F21  Fingerprints: A Signature Through Time  
Tracy Brisendine, BA*

8:45 AM – 9:00 AM  F22  The Examination of Latent Fingerprint Degradation as a Function of Time and Temperature by 2D and 3D Optical Analyses  
Riddhi Roy, BS*; Josep De Alcaraz-Fossoul, PhD

9:00 AM – 9:15 AM  F23  Ridge Volume as a Metric for Fingerprint Age Determination and Sex Discrimination  
Nicole Stanaback*; Josep De Alcaraz-Fossoul, PhD

9:15 AM – 9:30 AM  F24  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  
Mayssa Hachem, PhD*

Dmitry Kurouski, PhD*; Samantha Higgins, MSc

9:45 AM – 10:00 AM  F26  Sweat Analysis Leading to the On-Site Detection for Drugs and Alcohol in the Body  
Jan Halamek, PhD*; Giana Biddle, MS; Ashley Newland, MS; Emilynn Banks, BS; Estreylla Sierra, BS

10:00 AM – 10:15 AM  BREAK

*Presenting Author
# GENERAL

## Feet and Education

**Moderator: TBD**  
**Co–Moderator: TBD**

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<th>Authors</th>
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<tbody>
<tr>
<td>10:15 AM – 10:30 AM</td>
<td>F27</td>
<td>Let the Feet Do the Talking</td>
<td>Anita Hasert, BS*</td>
</tr>
<tr>
<td>10:45 AM – 11:00 AM</td>
<td>F29</td>
<td>A Comparison of Various Score-Based Likelihood Ratio (SLR) Methods for the Quantitative Assessment of Footwear Evidence</td>
<td>Valerie Han, BA*; Alicia Carriquiry, PhD</td>
</tr>
<tr>
<td>11:00 AM – 11:15 AM</td>
<td>F30</td>
<td>Further Observations Into the Linking of Footprints With Footwear: Forensic Implications and Interpretations</td>
<td>Kewal Krishan, PhD*</td>
</tr>
<tr>
<td>11:15 AM – 11:30 AM</td>
<td>F31</td>
<td>Source Identification of Shoeprints in a Mock Crime Scene Using an Algorithm Based on Automatic Alignment</td>
<td>Hana Lee, BS*; Alicia Carriquiry, PhD</td>
</tr>
<tr>
<td>11:30 AM – 11:45 AM</td>
<td>F32</td>
<td>Available Now: The First Open Access and Globally Accessible Forensic Science Library</td>
<td>Jeff Teitelbaum, MS*</td>
</tr>
<tr>
<td>11:45 AM – 12:00 PM</td>
<td>F33</td>
<td>Are Internships History?</td>
<td>Max Houck, MA, PhD*</td>
</tr>
<tr>
<td>12:00 PM – 12:15 PM</td>
<td>F34</td>
<td>Avoiding Alkynes of Hiring Issues: Bridging the Undergraduate Gap of Academics to Practice</td>
<td>Michelle Rippy, MFS, EdD*</td>
</tr>
<tr>
<td>12:15 PM – 1:30 PM</td>
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## Standards

**Moderator: TBD**  
**Co–Moderator: TBD**

<table>
<thead>
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<tr>
<td>1:30 PM – 1:45 PM</td>
<td>F35</td>
<td>Medicolegal Death Investigation—A Call for Uniformity in Core Data Elements to Support Interoperability and Electronic Exchange of Information</td>
<td>Kelly Keyes, BS*; Erica Fornaro, BS; Jeri Ropero-Miller, PhD</td>
</tr>
<tr>
<td>1:45 PM – 2:00 PM</td>
<td>F36</td>
<td>Standards Development Activities in Medicolegal Death Investigation</td>
<td>Kelly Keyes, BS*; Elissa Conlon, BA</td>
</tr>
<tr>
<td>2:00 PM – 2:15 PM</td>
<td>F37</td>
<td>Standards Development Activities in Wildlife Forensic Biology</td>
<td>Kimberly Frazier, MS; Jason Byrd, PhD*; Christina Lindquist, MS</td>
</tr>
<tr>
<td>2:15 PM – 2:30 PM</td>
<td>F38</td>
<td>Knowing What’s Best: An Examination of Investigator Perspectives on the Relevance of “Best Practice”</td>
<td>Steff King, MA*; Sheri Fabian, PhD; Gail Anderson, PhD</td>
</tr>
<tr>
<td>2:30 PM – 2:45 PM</td>
<td>F39</td>
<td>A Blueprint to Building an International Organization for Standardization (ISO) Quality Management System</td>
<td>Nicole Jones, MS*; Kelly Keyes, BS; John Grassel, MS</td>
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<tbody>
<tr>
<td>2:45 PM – 3:00 PM</td>
<td>F40</td>
<td>How Creating Infrastructure and Incentives Can Increase Quality in Forensic Science</td>
<td>Brian Gestring, MS*</td>
</tr>
<tr>
<td>3:00 PM – 3:15 PM</td>
<td>F41</td>
<td>High Reliability Organizations: What Are They and How Do They Relate to Crime Laboratories?</td>
<td>Martin Novak, MPA*</td>
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<td>3:15 PM – 3:30 PM</td>
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### Animals and Drugs

**Moderator: TBD**

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<tr>
<td>3:30 PM – 3:45 PM</td>
<td>F42</td>
<td>Canines Can Accurately Pinpoint the Location of Drowning Victims: Deep, Cold Water Recoveries</td>
<td>Mary Cablk, PhD*</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>F43</td>
<td>An Instrument-Based Approach to the Use of Human Scent as a Biometric</td>
<td>Vidia Gokool, MS*; Chantrell Frazier, DPhil; Howard Holness, PhD; Kenneth Furton, PhD</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>F44</td>
<td>Large Animal Veterinary Forensics</td>
<td>Cheryl Nelson, DVM</td>
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<tr>
<td>4:15 PM – 4:30 PM</td>
<td>F45</td>
<td>Cutaneous Lesions Associated With “Skin Popping”: Case Reports</td>
<td>Mattia Arturi, MS*; Martina Demasi, MD; Chiara Franzetti, MD; Pietro Salmoirago, MD; Luisa Andrello, MD, PhD; Matteo Moretti, MD; Silvia Visonà, PhD; Luca Morini, PhD</td>
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<tr>
<td>4:30 PM – 4:45 PM</td>
<td>F46</td>
<td>Combining Color Tests With Paper Spray-Mass Spectrometry for Drug Detection</td>
<td>Sarah Prunty, BScience*; Nicholas Manicke, PhD; Dan Carmany, MS; Elizabeth Dhummakupt, PhD</td>
</tr>
<tr>
<td>4:45 PM – 5:00 PM</td>
<td>F47</td>
<td>Standardization of Dogs and Sensors: Update on Current and Planned Standard of the Dogs and Sensors ASB Consensus Body Need Authors</td>
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<td>5:00 PM – 5:15 PM</td>
<td>F48</td>
<td>The Determination of the Breakdown Products of Black Tar and Powder Heroin via Ultra Performance Liquid Chromatography-Photo Diode Array (UPLC-PDA)</td>
<td>Alyssa Sanchez, BS*; Bruce McCord, PhD</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F49</td>
<td>Fetal Alcohol Spectrum Disorder (FASD) and Criminal Justice: An Italian Research Project</td>
<td>Francesco Sessa, MS, PhD*; Giuseppe Li Rosi, MD; Salvatore Roccuzzo, MD; Giuseppe Cocimano, MD; Massimiliano Esposito, MD; Cristoforo Pomara, MD</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F50</td>
<td>Unlocking the Mysteries of Faith: The Importance of Forensic Sciences in a Case Series</td>
<td>Francesco Sessa, MS, PhD*; Giuseppe Cocimano, MD; Pietro Zuccarello, PhD; Federica Ministeri, MD; Federico Privitera, MD; Cristoforo Pomara, MD</td>
</tr>
<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F51</td>
<td>Croatian Forensic DNA Database: Past, Present, and Future</td>
<td>Igor Obleščuk, MS; Andrea Ledic, MS*; Adela Makar, MS; Vedrana Škaro, PhD; Sasa Missoni, PhD; Damir Marjanović, PhD; Dragan Primorac, MD, PhD</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F52</td>
<td>Can Stab Injuries Determine the Position of the Aggressor? An Exercise With a Real Case</td>
<td>Ricardo Mendonca, MS*; Sara Adriaazola, MS; Eduardo Coutinho, MS; João Pinheiro, PhD, MD</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F53</td>
<td>When Book Fiction Becomes Reality: A Case Report of a Brutal Murder With a Hammer and a Related Flubromazepam Intoxication</td>
<td>Vittorio Gatto, PhD*; Riccardo Renzi, MD; Franco Marinelli, MD</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F54</td>
<td>Drug Addiction and Pregnancy: A “Crack” Baby Case</td>
<td>Sara Adriaazola, MS*; Ricardo Mendonca, MS; Eduardo Coutinho, MS; Helena Corro, MS; João Pinheiro, PhD, MD</td>
</tr>
<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F55</td>
<td>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</td>
<td>Giuseppe Cocimano, MD*; Aldo Liberto, MD; Giuseppe Li Rosi, MD; Salvatore Roccuzzo, MD; Salvatore Iannuzzi, MD; Cristoforo Pomara, MD</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F56</td>
<td>A 3D Reconstruction of a Complex Road Accident</td>
<td>Marco Torrisi, MD*; Martina Francaviglia, MD*; Andrea Vittorio Maria Failla, MD*; Federico Privitera, MD; Francesco Sessa, MS, PhD; Cristoforo Pomara, MD</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F57</td>
<td>Strangulation Asphyxia: Homicide or Suicide? A Practical Approach</td>
<td>Laura Panata, MD*; Michela Ferrara, MD*; Giuseppe Bertozzi, MD; Luca Pistelesi, MD; Isabella Mercurio, MD; Massimo Lancia, MD; Gianpietro Volonnino, MD; Mauro Bacci, MD*</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F58</td>
<td>To Die in Pursuit of Beauty: A Case of Systemic Silicone Oil Embolism After a Breast Beauty Treatment</td>
<td>Vittorio Gatto, PhD*; Franco Marinelli, MD; Riccardo Renzi, MD</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F59</td>
<td>Self-Immolation: A Case Series Investigating the Motivations and Risk Factors of a Rare Method of Suicide</td>
<td>Abdulaziz Al-Malki, MD*</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F60</td>
<td>Trainspotting: Sudden Unexpected Death After Cannabis Consumption</td>
<td>Giuseppe Bertozzi, MD*; Michela Ferrara, MD*; Giovanni Pollice, MD; Simona Vittoria, MS; Elena Giaconi, MD; Giovanni Gurgoglie, MD; Giuseppe Rinaldi, MD; Raffaele La Russa, MD</td>
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<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F61</td>
<td>Measuring the Environmental Degradation of Traditional Drug and Novel Psychoactive Substance (NPS) Residues</td>
<td>Elizabeth Robinson, MS*; Edward Sisco, PhD</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F62</td>
<td>Unidentified Child Remains: Analysis of Identifications</td>
<td>Amanda Bixler, Forensic Psychology, MA*</td>
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<td>11:30 AM – 1:00 PM</td>
<td>F63</td>
<td>Eros and Thanatos: When Autoerotic Stimulation Leads to Death: A Presentation of Three Cases</td>
<td>Nicola Galante, MD*; Lorenzo Franceschetti, MD; Graziano Domenico Luigi Crudele, MD; Irene Carabelli, MD; Domenico Furci, MD; Riccardo Zoia, MD</td>
</tr>
<tr>
<td>11:30 AM – 1:00 PM</td>
<td>F64</td>
<td>Youth Suicide Trends in Georgia: A Retrospective Study on the Effects of Pop Culture, Social Media, and the COVID-19 Pandemic</td>
<td>Samantha Mattax, DO*; Cody Archer, BS; Elizabeth Andrews, BS; John Carter, PhD, MPH; Natasha Grandhi, MD</td>
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11:30 AM – 1:00 PM  F65  Solvent Effects in the Analysis of Explosives  
Clarissandra Braun*; Kenyon Evans-Nguyen, PhD

11:30 AM – 1:00 PM  F66  The Architecture of a Face: Craniofacial Forensic Reconstruction on Paper  
Sharon Moses, Ph.D.*

11:30 AM – 1:00 PM  F67  Cadaver Dogs and Handlers: Detection of Ancient Bones  
Hannah Cawley, Forensic Science and Law*; Lisa Ludvico, Ph.D.

11:30 AM – 1:00 PM  F68  A Cruel Case of Homicide: Execution by Carbonization After an Assault With a Knife  
Andrea Cioffi, MD; Camilla Cecannecchia, MD*; Benedetta Baldari, MD

11:30 AM – 1:00 PM  F69  Toxocological Effects of Amnesic Shellfish Poison (ASP) Poisoning: From Cleopatra’s Controversial Death to Modern-Day Forensic Considerations  
Francesco Galassi, MD, PhD*; Giulio Pulpito, MD*; Elena Varotto, PhD*; Valeria Aquila, MD*; Matteo Sacco, MD*; Alessandro Tarallo, MD*; Saverio Gualtieri, MD*; Fabrizio Cordasco, MD; Carmen Scalise, PhD, MD; Vincenzo Ritorto, MD*; Maria Manno, MD; Umberto Rosini, MD; Martino Maesani, MD; Angelica Zibetti, MD; Santo Gratteri, PhD, MD; Pietrantonio Ricci, PhD, MD; Isabella Aquila, PhD, MD*

Friday—Session I

Case Studies

Moderator: TBD  Co–Moderator: TBD

8:30 AM – 8:45 AM  F70  The 1921 Tulsa Race Massacre and the Demographics of Death  
Phoebe Stubblefield, PhD*; Angela Berg, MA; Robert Pickering, PhD

8:45 AM – 9:00 AM  F71  A 1966 Unsolved Homicide, Conjecture, and Forensic Inadequacy  
Tracy Brisendine, BA*

9:00 AM – 9:15 AM  F72  A Case Study: Was This a Homicide or Did The Decedent Get His Wish to Fly High and Be Fed To The Birds?  
Emily Ditto, BA*; Brett Bulington, EMT, MDI*; Carrie Costello, MS

9:15 AM – 9:30 AM  F73  A Case of Filicide: Combined Homicide by Asphyxiation and Stabbing  
Andrea Cioffi, MD; Benedetta Baldari, MD*; Camilla Cecannecchia, MD

9:30 AM – 9:45 AM  F74  A Successful Multidisciplinary Medicolegal Investigation in the Absence of a Body  
Kyle Shaw, MBBS; Krystal Locklear, BAS; Brett Harding, MBA*

9:45 AM – 10:00 AM  F75  A Case of Death From Pneumonia Due to Medical Malpractice in a Young Man Suffering From Psychiatric Disorders  
Laura Scotti, MD*; Giacomu Belli, MD; Paola Braga, MD; Matteo Moretti, MD; Silvia Visonà, PhD; Luca Morini, PhD

10:00 AM – 10:15 AM  F76  Examining Trends in Juvenile Deaths in Harris County, Texas: A Seven-Year Retrospective Review (2015–2021)  
Carolyn Berthelot, MS*; Kaeleigh Demeter, BS, BA*; Pramod Gumpeni, MD

10:15 AM – 10:30 AM  BREAK

*Presenting Author
GENERAL

At Risk Population

Moderator: TBD Co–Moderator: TBD

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 Are Women Always Right?
Linda Coraletti, MS, MD*; Chantal Milani, PhD; Gianfranco Piscitelli, JD

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

Moderator: TBD Co–Moderator: TBD

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

*Presenting Author
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2:30 PM – 2:45 PM  F88  An Update on Ethics Committee Approval Reporting in Cadaveric-Based Research Publication: A Five-Year Study
Mohammad Nasir Ahmad, PhD*; Vina Vaswani, MD, MPhil, PhD

2:45 PM – 3:00 PM  F89  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
Tamra Legron-Rodriguez, PhD*; Christopher Randles, PhD

3:00 PM – 3:15 PM  F90  The National Institute of Justice’s Forensic Science Strategic Research Plan
Lucas Zarwell, MFS*

3:15 PM – 3:30 PM  BREAK

Crime Scene Response

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<td>3:30 PM – 3:45 PM</td>
<td>F91</td>
<td>A Cinematic Death Investigation</td>
<td>Ben Murie, DO*; Jan Gorniak, DO</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>F92</td>
<td>Improving Crime Scene Investigator (CSI) Response: An Early Roadmap for the Increased Quality and Effectiveness of Crime Scene Investigations</td>
<td>Joe Trevino, MS*</td>
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<td>4:15 PM – 4:30 PM</td>
<td>F94</td>
<td>Assessing an Innovative Response to Intimate Partner Violence-Related Strangulation</td>
<td>Katherine Brown, PhD*; Tara Shelley, PhD; Cortney Franklin, PhD</td>
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<td>4:30 PM – 4:45 PM</td>
<td>F95</td>
<td>Forensic Archeology and Crime Scene Management: Challenges and Shortcomings in the Colombian Context</td>
<td>Claudia Delgado-Aguacia, MSc*; Santiago Reina-Camacho, MSc</td>
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<td>4:45 PM – 5:00 PM</td>
<td>F96</td>
<td>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)</td>
<td>Kelly Keyes, BS; Hope Smiley-McDonald, PhD*; Paige Presler-Jur, MS; Anum Imran, BS; Jeri Ropero-Miller, PhD</td>
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<td>5:00 PM – 5:15 PM</td>
<td>F97</td>
<td>The Trends and Demographic Differences in Overdose Deaths Before and During the COVID-19 Pandemic in Jefferson County, Alabama</td>
<td>Abby Chapman, *; Caitlin Wolford-Clevenger, PhD; Brandi McCleskey, MD</td>
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*Presenting Author
Friday—Session II

Identification I

**Moderator: TBD**  **Co–Moderator: TBD**

8:30 AM – 8:45 AM  **F98**  A Multiagency Investigation of Multiple Murders in the United States With the Trial in Indonesia  
*Lakshmanan Sathyavagiswaran, MD*

8:45 AM – 9:00 AM  **F99**  Alternate Light Source (ALS) Detection of Subclinical Bruising: Lessons Learned While Assessing a Forensic Technique  
*Leonard Reinart, JD, MS*

9:00 AM – 9:15 AM  **F100**  Forensic Autopsies: The Contribution of the Systematic Practice of Subcutaneous Dissection for Detecting Contusions or Deep Hematoma Not Visible on External Visual Examination  
*Laetitia Leveque, MD*; *Eric Baccino; Martrille Laurent, MD*

9:15 AM – 9:30 AM  **F101**  The Effect of Common Drugs on Human Body Decomposition and the Soil Environment  
*Gabriela Mroz, MSc*; *Sophie Turfus, MSC, PhD; Anna Williams, PhD*

9:30 AM – 9:45 AM  **F102**  Traceability of Human Remains From Discovery to Burial: DIVIDOC and DIVIMAP  
*Jose Baraybar, PhD*; *Armand Prioreschi; Pierre Francois, PhD*

9:45 AM – 10:00 AM  **F103**  Pesticides and Blow Flies: How Do Clothianidin and Bifenthrin Affect Calliphoridae (Diptera) Oviposition?  
*Teomie Rivera-Miranda, PhD*; *Krystal Hans, Ph.D.*

10:00 AM – 10:30 AM  **BREAK**

Identification II

**Moderator: TBD**  **Co–Moderator: TBD**

10:30 AM – 10:45 AM  **F104**  The Influence of the Victim-Offender Relationship on Body Disposal in Solved United Kingdom Homicides  
*Anna Williams, PhD*; *Kirsty Bennett, MSc*

10:45 AM – 11:00 AM  **F105**  The Positive Impact of Coordinated Implementation of the Pre-Conception and Pre-Natal Diagnostic Techniques (PC-PNDT) Act in Improving the Skewed Child Sex Ratio in Haryana, India  
*Munish Sharma, MBBS, MD*; *Vipan Bhandari, MBBS; Kamiya Chugh, MBBS; Deepak Sharma, MBBS; Girdhari Lal Singhal, PhD*

11:00 AM – 11:15 AM  **F106**  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  
*Luz Perez, PhD*; *Ana Carolina Guatame, MSc; Alexander Sabogal; Camilo Castro, Geographer; Natalia Camacho*
GENERAL

11:15 AM – 11:30 AM F107 Domicile Unknown: Scientific Challenges of Identifying Homeless Decedents
Jessica Crowson, MSc*

11:30 AM – 11:45 AM F108 Decedent Identification: A Look at Forensic Genealogy When All Other Methods Failed
David Kintz, BS*

11:45 AM – 12:00 PM F109 I-Familia: Identifying Missing Persons Globally Through Family DNA Kinship Matching
Francois-Xavier Laurent, PhD*; Susan Hitchin, PhD

12:00 PM – 12:15 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

12:15 PM – 1:30 PM BREAK

Firearms

Moderator: TBD Co–Moderator: TBD

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

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

*Presenting Author
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*

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 Lapeyrrouse, DPhil

11:30 AM – 1:00 PM  F121  The Use of Barr Bodies to Determine Sex in Samples of Forensic Significance
Juliana 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 Burrascino, 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 Ricci, 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*

*Presenting Author
11:30 AM – 1:00 PM  F131  Current Status and Future Steps of Forensic Science in the Republic of The Gambia  
Peter Dampha, BS*

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 Guaitieri, 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*

11:30 AM – 1:00 PM  F134  Death From Heat: A Case Report and Literature Review of Fatal Heat Stroke  
Andrea Cioffi, MD; Camilla Cecanecchia, MD*; Benedetta Baldari, MD

11:30 AM – 1:00 PM  F135  Humanitarian Forensics in the Era of Conflicts and Pandemic  
Shubham Thakur, Msc*; Jagmahender Sehrawat, 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

*Presenting Author