

YFSF POSTER SESSION

Wednesday

Poster Session

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| 11:30 am—1:00 pm | Y1 | The Feasibility of Using ATR/FTIR for the Differentiation of Different Brands of Brown Eyeliners Urja Desai, MS* |
| 11:30 am—1:00 pm | Y2 | Intimate Partner Violence Against Women Murders: Forensic Features and Differences With Domestic Violence Miguel Lorente, PhD*; María Cuadros, MCrim |
| 11:30 am—1:00 pm | Y3 | A Comparative Analysis of Textile Damage Caused by Canines vs. Firearms and Knives Tabitha Hammond, BS*; Sandra Koch, PhD; Lawrence Quarino, PhD; Andra Lewis, PhD |
| 11:30 am—1:00 pm | Y4 | Investigating the Patterning of Postmortem Fractures in Human Dentition Bec Krolczyk, BS*; Danny Wescott, PhD |
| 11:30 am—1:00 pm | Y5 | The Differentiation and Identification of Fentanyl Analogs Using Portable Ion Trap Mass Spectrometry Mei Yuan, BS*; Ella M. Galvan, BS; Jeffery D. Johnson, Jr., PhD; Seth Fisher, BS; Pauline E. Leary, PhD; Brooke W. Kammrath, PhD (FSF Emerging Forensic Scientist Award Poster Presentation) |
| 11:30 am—1:00 pm | Y6 | Comparative Evaluation of Machine Learning Models for Criminal Attribute Estimation: Explainable AI Perspectives Daisuke Imoto, PhD*; Kazuki Hirama, PhD; Kengo Furuhashi, PhD; Yusuke Otsuka, MPhil; Kaeko Yokota, PhD; Masakatsu Honma, PhD |
| 11:30 am—1:00 pm | Y7 | A Bloody Window to the Past: STR Analysis of DNA From a Bloodstained Civil War Surgical Table Nadia Walter*; Alyssa Spillar, BS; J. Thomas McClintock, PhD; Kristin Mossé, MScFS; |
| 11:30 am—1:00 pm | Y8 | Direct Analysis of Ink on Documents and Other Substrates Using Attenuated Total Reflectance Fourier Transform Infrared Microscopy Sophie Krumhansl, APM*; Cadence Manning, APM*; Boluwatife Olubusoye, BS; James Cizdziel, PhD |
| 11:30 am—1:00 pm | Y9 | Understanding Sleep-Related Infant Deaths: A Forensic Perspective on SIDS, SUID, and Safe Sleep Practices Sandra Shapiro, DNP*; Rachel Thomas, PhD; Orli Grinstein-Cohen, PhD |
| 11:30 am—1:00 pm | Y10 | Utilizing Fourier Transform Infrared Spectroscopy for Age-at-Death Estimations in Human Skeletal Remains: A Pilot Study Anna K. Maier, MSc* |
| 11:30 am—1:00 pm | Y11 | A Field-Ready Method for Wildlife Identification Using Noninvasive Genetic Sampling Rosemary van der Net, BS*; Pamela Marshall, PhD; Jan Janecka, PhD; Joshua Robinson, MS; Andrea Kautz, MS; Joseph Saxfield, BS |
| 11:30 am—1:00 pm | Y12 | A New Spin on DNA Extraction: Validating SpermX™ GenSpin Differential Extraction for Sexual Assault Evidence Processing Tori Tyree, BS; Amy McGuckian, MFS; Julie Sikorsky, MSc; Kelly Beatty, MSFS |

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| 11:30 am—1:00 pm | Y13 | Integrating Spectroscopy and Machine Learning for Forensic Discrimination of Wood Species and Sustainable Timber Trade Akanksha Sharma, MSc*; Vishal Sharma, PhD |
| 11:30 am—1:00 pm | Y14 | Revisiting the Resolution and Accuracy of Year-of-Birth Estimations Based on Bomb Pulse Radiocarbon (14C) Dating of Human Enamel Camille Martin, BA*; Rhonda Quinn, PhD |
| 11:30 am—1:00 pm | Y15 | Fungal Succession During Decomposition: A DNA-Based Analysis of Forensic Significance Lewis Burnett*; Brittney Sylvester; Latavia Williams; Alyssa Lavasseur; Georgia Williams, MS; Meiko Thompson, PhD |
| 11:30 am—1:00 pm | Y16 | Exposing Forgery: Ink Analysis via Raman Spectroscopy Alex Potter, MSFS*; Ellen Hondrogiannis, PhD; Mary Devadas, PhD |
| 11:30 am—1:00 pm | Y17 | Enhancing Nuclear DNA Recovery From Soil: A Comparative Analysis of Resin, Silica Membrane, and Silica Bead Extraction Methods Ashley Espinoza, MS*; Todd Disotell, PhD |
| 11:30 am—1:00 pm | Y18 | Accuracy of the Transition Analysis 3 (TA3) Method for Age Estimation in the John A. Williams Human Skeletal Collection Blue Wonhof, MS* |
| 11:30 am—1:00 pm | Y19 | Visual Examination of Physical Properties of Blood as a Result of Ignitable Liquid and High Heat Affect From an Arson Scene Victoria Bascou, BS*; |
| 11:30 am—1:00 pm | Y20 | The Quantitation of Organic Compounds in Smokeless Powder Using High-Performance Liquid Chromatography Kayla South, BS*; Ellen Hondrogiannis, PhD |
| 11:30 am—1:00 pm | Y21 | Network Graphs for Visualizing Handwriting Individuality Clarissa Giefer, MS*; Cami Fuglsby, PhD; Janean Hanka, MS; Jack Hietpas, PhD; JoAnn Buscaglia, PhD; Christopher Saunders, PhD |
| 11:30 am—1:00 pm | Y22 | Direct Analysis in Real Time Tandem Mass Spectrometry (DART-MS/MS) for the Characterization and Profiling of Street-Level Fentanyl Samples Joel Moss*; Alexis Quinter, MASc; Heather Harris, MFS; Nicholas Khorozov, MS; Joshua DeBord, PhD |
| 11:30 am—1:00 pm | Y23 | Investigating the Effects of Soil pH and Fluoride Content on Hydroxyapatite Degradation Using pXRF Technology Madeline June Leeah, BA*; |
| 11:30 am—1:00 pm | Y24 | When Experts Lie: Fraudulent Forensics, Wrongful Convictions, and the Call for Basics and Reform Megan Cramer*; Jordan Stephens* |
| 11:30 am—1:00 pm | Y25 | Analysis of Smokeless Powder Using Infrared and Uv-Visible Spectroscopy With a Focus on Nitrated Derivatives of Diphenylamine Meredith Elko*; Ellen Hondrogiannis, PhD; Mary Devadas, PhD |
| 11:30 am—1:00 pm | Y26 | Suicide by Sodium Nitrite/Nitrate: A 10-Year Retrospective Review Rachel Guest, MD*; John Powell, MD |

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| 11:30 am—1:00 pm | Y27 | DNA Extraction From Bone: A Novel Workflow Using Theralin™ and Magnetic Beads Marguerite Godwin, BS*; Mark Wilson, PhD; Charla Marshall, PhD; Joseph DiZinno, DDS |
| 11:30 am—1:00 pm | Y28 | The Application of ATR-FTIR Spectroscopy for the Identification of Cosmetic Foundations Versus Environmental Materials Such as Food or Soil on Cloth Jaden Force, BS*; Kelly Elkins, PhD |
| 11:30 am—1:00 pm | Y29 | Optimizing DNA Extraction and Communicating PhenoTrivium Panel Results for Cold Case Skeletal Samples Madison Townsend, BS*; Britannia Bintz, MS; Maureen Hickman, MS; Tiffany Fracchia, PhD; Alice Gooding, PhD; Frankie West, PhD |
| 11:30 am—1:00 pm | Y30 | The Development of Recombinase Polymerase Amplification (RPA) to Augment mini STR Amplification of 'Touch' DNA Samples for Human Identification (HID) Workflows Joseph Rahm, MSFS*; DeEtta Mills, PhD |
| 11:30 am—1:00 pm | Y31 | Investigating the Correlation Between Body Mass and Hip Joint Measurements in a Taiwanese Non-Adult Sample Rachel Riddell, BA; An-Di Yim, PhD |
| 11:30 am—1:00 pm | Y32 | Basic Tools, New Approaches: Using Mandibular Canine Index and 3D Imaging for Subadult Sex Determination Jorja Hill*; Satu Valoriani, PhD |
| 11:30 am—1:00 pm | Y33 | Differentiating Blunt Force Trauma Fractures From Thermal Fractures in Fleshed and Skeletal Deer Crania Alyssa Ranney, MS* |
| 11:30 am—1:00 pm | Y34 | Evaluating IR Spectra Variation of Pepper Based Defense Products Jocelyn Polanco, BS* |
| 11:30 am—1:00 pm | Y35 | Enhancing Forensic Toxicology Through Postmortem Applications: Evaluating the Viability of Skin Swabbing as a Drug Testing Matrix Hannah Schaeffer, BS*; Abigail Burke, MS; Rebecca Wagner, PhD; Jennifer Hammers, DO; Stephanie Wetzel, PhD |

Thursday

Poster Session

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| 11:30 am—1:00 pm | Y36 | Color Spectrophotometer as a Powerful Tool to Evaluate Human Fluid Stains on Denim Fabrics Shelby Barrager*; Mazeyar Parvinzadeh Gashti, PhD |
| 11:30 am—1:00 pm | Y37 | WITHDRAWN |
| 11:30 am—1:00 pm | Y38 | Towards Mass Spectrometry Imaging of Latent Prints Using Visible Matrix-Assisted Laser Desorption Electrospray Ionization Julia Morelli*; Kenyon Evans-Nguyen, PhD |
| 11:30 am—1:00 pm | Y39 | Assessing the Prevalence of p-Phenylenediamine in Henna Tattoo Inks Purchased in Northern Delaware Lael Sands*; Muhammed Taimoor Chaundry, MPhil; Tom Gluodenis, PhD; John Stallworth, BS |

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| 11:30 am—1:00 pm | Y40 | Petroleum-Utilizing and Hemolytic Soil Microbes: Environmental Impacts on Decomposition in Forensic Contexts Tristen Howell*; Lewis Burnett; Brittney Sylvester; Latavia Williams; Georgia Williams, MS; Meiko Thompson, PhD |
| 11:30 am—1:00 pm | Y41 | The Evaluation and Comparison of Portable FTIR/Raman Instruments for Field Testing of Illicit Drugs Sydney Ma, BS*; Alexandra Evans, MFS; Ya-Chih (Jessica) Cheng, PhD; Ira Lurie, PhD |
| 11:30 am—1:00 pm | Y42 | Microbial Succession in Uncovered Remains: Establishing a Baseline for Postmortem Interval Estimation Diamon Raymond*; Brittney Sylvester; Latavia Williams; Alyssa Lavasseur; Georgia Williams, MS; Meiko Thompson, PhD |
| 11:30 am—1:00 pm | Y43 | The Determination of Neurotransmitter Levels in Rat Brain Following Opioid-Sedative Exposure Using Liquid-Chromatography Quadrupole-Time-of-Flight Mass Spectrometry Laerissa Reveil, MS*; Maria Lasaosa, PhD; Amanda Furman, MS; Alia Marie Iqbal O'Meara, MD; Matthew Halquist, PhD |
| 11:30 am—1:00 pm | Y44 | Using Positive and Negative Image Overlap for Image Forensics: Examples From Taiwan Teng-Kai Shih, BASC*; Min-Neng Hsu, PhD; Wen-Chao Yang, DSc; Wen Chung Chen, LLm; Yi Fang, MSc |
| 11:30 am—1:00 pm | Y45 | Vitreous Fluid as a Stable Matrix for Postmortem Toxicology Miriam Fisher, MD*; Ben Murie, MD |
| 11:30 am—1:00 pm | Y46 | The Effects of Latent Print Development Techniques on Over-the-Counter Drug Detection by Liquid Chromatography Triple Quadrupole Mass Spectrometry Jessica Pichat, BS*; Ashley Ebert, PhD; Lyndsie Ferrara, PhD; Stephanie Wetzel, PhD |
| 11:30 am—1:00 pm | Y47 | Lying Labels? An Analysis of Caffeine Content in Common United Kingdom Caffeinated Products Noah Cannon*; John Paul Planchet*; Carolina Sartori* |
| 11:30 am—1:00 pm | Y48 | An Assessment of the FARO Freestyle 2 Handheld Scanner on Skeletal Analyses in the Estimation of the Biological Profile Chloe R. Cummings, BS*; An-Di Yim, PhD <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i> |
| 11:30 am—1:00 pm | Y49 | Vicarious Trauma and its Effects on Public Safety Professional's Ability to Complete Unbiased Investigations Madison Turner*; Kelly Crockett, MSFS |
| 11:30 am—1:00 pm | Y50 | An Evaluation of Immunoassay Test Strips for Detection of Medetomidine in Urine and Drug Products Liliane Audet, BS*; Alex Krotulski, PhD; Heather Harris, MFS; Alyssa Reyes, MS |
| 11:30 am—1:00 pm | Y51 | An Evaluation of Alternative Solvents for Forensic Fire Debris Analysis Tessa Monroe*; Jenna Leppek, BS; Hannah LaVoie, BS; Ruth Waddell Smith, PhD; Kenyon Evans-Nguyen, PhD |
| 11:30 am—1:00 pm | Y52 | An Evaluation of Vapor Pressures of Ignitable Liquids, Water and Fire Debris Analysis, and the Effects on Extraction Carson Kleider, BS* |

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| 11:30 am—1:00 pm | Y53 | A Quick Method of Measuring Bullet Angles on Auto Metal Surface at Crime Scenes: A Novel Method Using a Digital Angle Measurer Heather Armistead, BS; John Wang, PhD* |
| 11:30 am—1:00 pm | Y54 | Developmental Changes in Frontal Sinus Morphology: Significance in a Forensic Context Allison L. Deemter, MA* |
| 11:30 am—1:00 pm | Y55 | Single Step Fingerprint Fumigation With Common Dyes Abigail Proffitt*; Jared Filegar*; Kristin Mossé, MSFS |
| 11:30 am—1:00 pm | Y56 | When Cleanliness Obscures: How Can Common Disinfecting Cleaners Hinder Forensic Investigations? Shaifer Goalen, BS*; Kristin Ornelas |
| 11:30 am—1:00 pm | Y57 | A Comparison of Genetic Analysis Methodologies on Spermatozoa DNA Recovered From the Orifices of Burned Human Remains Andrew Brown*; Brittania Bintz, MS; Darren Solomon, MS; David Schuable, BS; Charles Giblin, PE; Rebecca George, PhD |
| 11:30 am—1:00 pm | Y58 | The Impact of Firearm Type and Orientation on Gunshot Residue Distribution Patterns on a Shooter Emily Miller, BS*; Peter Valentin, PhD; Virginia Maxwell, DPhil, BSc; Virginia Maxwell, DPhil |
| 11:30 am—1:00 pm | Y59 | Effects on Skeletonization and Skeletal Weathering Across Contrasting Annual Seasonal Cycles Maeghan Fisher, BS*; Kristy Henson, PhD |
| 11:30 am—1:00 pm | Y60 | Investigating the Postmortem Degradation of Identifiable Fingerprint Minutiae Over Time Emma L. Scheidt, BA; Sahar Rahman, BA |
| 11:30 am—1:00 pm | Y61 | An Evaluation of DNA Recovery From Fingernails Post-Hair Washing Alexia A. Cassman, BS*; Tyra Volney, MS; Tim Kalafut, PhD <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i> |
| 11:30 am—1:00 pm | Y62 | Evaluating the Efficiency of Laundry Sanitizers on the Removal and Transfer of DNA in a Washing Machine Nicole Agre, BS*; Rhonda Williams, PhD |
| 11:30 am—1:00 pm | Y63 | An Expanded Evaluation of XRD and SEM-EDS for the Characterization of Inorganic Particles in Eyeshadows Taylin Naquin*; Anna Duggar, PhD |
| 11:30 am—1:00 pm | Y64 | An Analysis of Changes in Fingerprints Before and After Recent Death on Paper Documents Using Statistical and Technical Methods Khalid Aldaoud, BA*; Zainab almansoor, MS; Sara Alsubaie, MA |
| 11:30 am—1:00 pm | Y65 | The Development and Validation of an Analytical Method for the Determination of Stress Biomarkers in Hair Brooke Fontaine, BS*; Alexis Palma*; Marta Concheiro-Guisan, PhD |
| 11:30 am—1:00 pm | Y66 | A Forensic Approach to the Identification and Interpretation of Intimate Partner Violence (IPV) in Human Skeletal Remains Catarina Vazquez* |

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| 11:30 am—1:00 pm | Y67 | Postmortem Predators: Identifying and Tracking Scavengers of Remains in a Northwest European Context Sarina Riechmann, MSc* |
| 11:30 am—1:00 pm | Y68 | Attempting More Detailed Discrimination of Plants Using Next-Generation Sequencing Ryuta Nakamura, MS*; Hitomi Kikkawa, PhD; Koichiro Tsuge, PhD |
| 11:30 am—1:00 pm | Y69 | Unveiling the Interference of Alcohol Intoxication on Salivary Detection of Codeine: A UV/Vis Spectroscopic Insight Danae Alvarez*; Madison Carrillo*; Hamidreza Sharifan, PhD |
| 11:30 am—1:00 pm | Y70 | WITHDRAWN |
| 11:30 am—1:00 pm | Y71 | Homicide by Hot Dog: Choking in the Setting of Blunt Force Trauma of the Jaw by Another Reece Foehr, BS*; Kayden Hadlock, BS; Katie Hanson, MD |
| 11:30 am—1:00 pm | Y72 | Deadlining: Gentrification and the Spatial Forensics of Missing and Murdered Black Women in Washington, DC Avery Bernard Johns* |

Friday

Poster Session

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| 11:30 am—1:00 pm | Y73 | Identification of Ignitable Liquids in the Post-Fire Carpet Debris by Complementary GC-MS and DART-MS Methods Mikayla Miles, BS*; Shruthi Perna, PhD; Ngee Chong, PhD; Mengliang Zhang, PhD |
| 11:30 am—1:00 pm | Y74 | A Preliminary Study on How Shooting Distance and Lens Focal Length at Crime Scenes Affect Footwear Impression Examination Wen Chung Chen, LLM*; Kuo Lan Liu, PhD; Min-Neng Hsu, PhD |
| 11:30 am—1:00 pm | Y75 | Would You Like Fries With That? A Case of Fatal Asphyxia Due to Food Bolus Airway Obstruction in the Setting of Xylazine and Fentanyl Intoxication Kayden Hadlock, BS*; Reece Foehr, BS; Katie Hanson, MD |
| 11:30 am—1:00 pm | Y76 | Microbial Succession in Clothed Remains: Forensic Insights into Postmortem Interval ‘ Estimation Brittney Sylvester ⁸ ; Latavia Williams; Lewis Burnett; Alyssa Lavasseur; Georgia Williams, MS; Meiko Thompson, PhD |
| 11:30 am—1:00 pm | Y77 | The Development of a Psilocybin-Selective Molecularly Imprinted Polymer for the Analysis of Unregulated Psilocybin Drug Products Hannah Peterson, BS*; Balaji Nagarajan, APM; Matthew Halquist, PhD |
| 11:30 am—1:00 pm | Y78 | Back to Basics: Approaching Cold Cases With Open-Source Intelligence: An Undergraduate Perspective Maylynn Burns*; Kelly Crockett, MSFS; Maylynn Burns* |
| 11:30 am—1:00 pm | Y79 | A Comparative Analysis of Volatile Memory Analysis Tools in Digital Forensics Jaden McIntosh, BS* |

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| 11:30 am—1:00 pm | Y80 | Bone and Tooth: Elemental Analysis of Cremated Remains Ella Mitchell*; Dustin Holland* |
| 11:30 am—1:00 pm | Y81 | ATR/FTIR Characterization of Pressure Sensitive Adhesives: Before and After Chemical Fingerprint Processing Meagan MiguelPablo*; Khanh-Hoa Tran-Ba, PhD |
| 11:30 am—1:00 pm | Y82 | Investigation of Gas Chromatography (GC) Coupled With Mass Spectrometry (MS) and Vacuum Ultraviolet (VUV) Spectroscopy for Analysis of Ignitable Liquid Samples Bryn Boznanski, BS*; Ira Lurie, PhD; Walter Rowe, PhD |
| 11:30 am—1:00 pm | Y83 | Protective and Risk Factors in Sex Trafficking Sophia Thompson* |
| 11:30 am—1:00 pm | Y84 | Determining the Feasibility of UV/Vis and ATR/FTIR in Identifying Neat Analytes in Smokeless Powders Rorie Anderson, BS*; Ellen Hondrogiannis, PhD; Mary Devadas, PhD |
| 11:30 am—1:00 pm | Y85 | Transfer of Material Derived From Polymer-Jacketed Bullets During Cycling and Discharge Ethan Frazer, MS*; Peter Diaczuk, PhD |
| 11:30 am—1:00 pm | Y86 | Microbes in the Mist: Microbiological Analysis of E-liquids and Aerosols Ankita Gola, BS*; Jessemia Meekins, BS; Alaina Holt, PhD; Justin Poklis, BS; Christopher Ehrhardt, PhD; Michelle Peace, PhD |
| 11:30 am—1:00 pm | Y87 | Microbial Succession in Buried Remains: A Controlled Pig Study at Three Feet Depth Latavia Williams*; Brittney Sylvester; Alyssa Lavasseur; Lewis Burnett; Georgia Williams, MS; Meiko Thompson, PhD |
| 11:30 am—1:00 pm | Y88 | Various Animal Species Microscopic Hair Analysis Bryanna Smith*; Kristin Mossé, MSFS |
| 11:30 am—1:00 pm | Y89 | An Investigation of Water Effect on Ignitable Liquid Residue Analysis by Coupling Solid-Phase Microextraction With Direct Analysis in Real Time Mass Spectrometry Victoria Bascou, BS* |
| 11:30 am—1:00 pm | Y90 | WITHDRAWN |
| 11:30 am—1:00 pm | Y91 | Time Since Intercourse and Serological Testing in Sexual Assault Homicides: A Case Report and Brief Review of the Literature Peyton Byers, BS*; Pamela Marshall, PhD |
| 11:30 am—1:00 pm | Y92 | The Development of Preprocessing Workflow for Computed Tomography Images for Artificial Intelligence Applications in Forensic Anthropological Research Gargi Jani, MSc*; Smit Patel, BEng; Mohendra Roy, PhD; Bhoomika Patel, PhD |
| 11:30 am—1:00 pm | Y93 | Recalibrating Forensic Science: DNA, Microbial Signatures, and Methodological Equity in Montana's Differential Burial Contexts Kaylee M. Hinds, MA*; Meradeth H. Snow, PhD |
| 11:30 am—1:00 pm | Y94 | Microbial Succession in Carpet-Wrapped Remains: Implications for Postmortem Interval Estimation Alyssa Lavasseur*; Brittney Sylvester; Latavia Williams; Lewis Burnett; Georgia Williams, MS; Meiko Thompson, PhD |

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| 11:30 am—1:00 pm | Y95 | A Reevaluation of a Mandibular Tori Scoring Method: Limitations and Revisions Amanda Jokela, BA*; Danny J. Wescott, PhD; Michele M. Bleuze, PhD |
| 11:30 am—1:00 pm | Y96 | Optimizing Trace DNA Recovery: A Comparative Evaluation of Swab Types on Various Substrates Mara Dominguez, BA*; Anna Franzoni, MSc; Nicole Novroski, PhD; Fabio Oldoni, PhD |
| 11:30 am—1:00 pm | Y97 | Characterization of Microsatellite Markers for Forensic Identification of <i>Gypsophila</i> Laila Mansour*; Nathan Lents, PhD |
| 11:30 am—1:00 pm | Y98 | The Correlation of the Dimensions of Hands and Feet With Height in an Indigenous Population of the Tribal District of Himachal Pradesh, India Yatiraj Singi, MD*; Dipen Dabhi, MD |
| 11:30 am—1:00 pm | Y99 | Ear Lobe Crease as a Coronary Artery Disease Risk Stratification Tool in Autopsies of Asian Populations Minjung Hong, MD*; Seong Ho Yoo, MD, PhD |
| 11:30 am—1:00 pm | Y100 | Dermestid (Flesh-Eating) Beetle Effect on Skeletal Remains Study Gabriella Ramm*; Kristy Henson, PhD |
| 11:30 am—1:00 pm | Y101 | Sick as a Dog: A Case of a Missing Face Maura Thurber, MHS*; Alexis Kollasch-McGarvey, MD; Eric Bracken, MS;; Dennis Firchau, MD; Robert Weis, MD; Melissa Blessing, DO |
| 11:30 am—1:00 pm | Y102 | Forensic Differentiation of Canine Hair Allison Kelley*; Kristin Mossé, MSFS |
| 11:30 am—1:00 pm | Y103 | Taphonomic Processes Etch Bones: An Experimental Look at Plant Root Etching on Bovine Bones Emily Caudill, BS*; Shannon Hodge, PhD; Thomas Holland, PhD |
| 11:30 am—1:00 pm | Y104 | Surveillance Shopping of Unregulated Dual Chamber E-Cigarette Devices Assessing Accessibility and Consumer Risk Kevin Lester*; Michelle Peace, PhD; Alaina Holt, PhD; Justin Poklis, BAS |