

# YFSF POSTER SESSION

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## Wednesday

### Poster Session

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

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

# YFSF POSTER SESSION

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11:30 am—1:00 pm	Y27	<b>DNA Extraction From Bone: A Novel Workflow Using Theralin™ and Magnetic Beads</b> Marguerite Godwin, BS*; Mark Wilson, PhD; Charla Marshall, PhD; Joseph DiZinno, DDS
11:30 am—1:00 pm	Y28	<b>The Application of ATR-FTIR Spectroscopy for the Identification of Cosmetic Foundations Versus Environmental Materials Such as Food or Soil on Cloth</b> Jaden Force, BS*; Kelly Elkins, PhD
11:30 am—1:00 pm	Y29	<b>Optimizing DNA Extraction and Communicating PhenoTrivium Panel Results for Cold Case Skeletal Samples</b> Madison Townsend, BS*; Brittania Bintz, MS; Maureen Hickman, MS; Tiffany Fracchia, PhD; Alice Gooding, PhD; Frankie West, PhD
11:30 am—1:00 pm	Y30	<b>The Development of Recombinase Polymerase Amplification (RPA) to Augment mini STR Amplification of 'Touch' DNA Samples for Human Identification (HID) Workflows</b> Joseph Rahm, MSFS*; DeEtta Mills, PhD
11:30 am—1:00 pm	Y31	<b>Investigating the Correlation Between Body Mass and Hip Joint Measurements in a Taiwanese Non-Adult Sample</b> Rachel Riddell, BA; An-Di Yim, PhD
11:30 am—1:00 pm	Y32	<b>Basic Tools, New Approaches: Using Mandibular Canine Index and 3D Imaging for Subadult Sex Determination</b> Jorja Hill*; Satu Valoriani, PhD
11:30 am—1:00 pm	Y33	<b>Differentiating Blunt Force Trauma Fractures From Thermal Fractures in Fleshed and Skeletal Deer Crania</b> Alyssa Ranney, MS*
11:30 am—1:00 pm	Y34	<b>Evaluating IR Spectra Variation of Pepper Based Defense Products</b> Jocelyn Polanco, BS*
11:30 am—1:00 pm	Y35	<b>Enhancing Forensic Toxicology Through Postmortem Applications: Evaluating the Viability of Skin Swabbing as a Drug Testing Matrix</b> 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	<b>Color Spectrophotometer as a Powerful Tool to Evaluate Human Fluid Stains on Denim Fabrics</b> Shelby Barrager*; Mazeyar Parvinzadeh Gashti, PhD
11:30 am—1:00 pm	Y37	<b>WITHDRAWN</b>
11:30 am—1:00 pm	Y38	<b>Towards Mass Spectrometry Imaging of Latent Prints Using Visible Matrix-Assisted Laser Desorption Electrospray Ionization</b> Julia Morelli*; Kenyon Evans-Nguyen, PhD
11:30 am—1:00 pm	Y39	<b>Assessing the Prevalence of p-Phenylenediamine in Henna Tattoo Inks Purchased in Northern Delaware</b> Laell Sands*; Muhammed Taimoor Chaundry, MPhil; Tom Gluodenis, PhD; John Stallworth, BS

# YFSF POSTER SESSION

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

# YFSF POSTER SESSION

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

# YFSF POSTER SESSION

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

## *Friday*

### Poster Session

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11:30 am—1:00 pm	<b>Y73</b>	<b>Identification of Ignitable Liquids in the Post-Fire Carpet Debris by Complementary GC-MS and DART-MS Methods</b> Mikayla Miles, BS*; Shruthi Perna, PhD; Ngee Chong, PhD; Mengliang Zhang, PhD
11:30 am—1:00 pm	<b>Y74</b>	<b>A Preliminary Study on How Shooting Distance and Lens Focal Length at Crime Scenes Affect Footwear Impression Examination</b> Wen Chung Chen, LLM*; Kuo Lan Liu, PhD; Min-Neng Hsu, PhD
11:30 am—1:00 pm	<b>Y75</b>	<b>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</b> Kayden Hadlock, BS*; Reece Foehr, BS; Katie Hanson, MD
11:30 am—1:00 pm	<b>Y76</b>	<b>Microbial Succession in Clothed Remains: Forensic Insights into Postmortem Interval ‘Estimation</b> Brittney Sylvester8; Latavia Williams; Lewis Burnett; Alyssa Lavasseur; Georgia Williams, MS; Meiko Thompson, PhD
11:30 am—1:00 pm	<b>Y77</b>	<b>The Development of a Psilocybin-Selective Molecularly Imprinted Polymer for the Analysis of Unregulated Psilocybin Drug Products</b> Hannah Peterson, BS*; Balaji Nagarajan, APM; Matthew Halquist, PhD
11:30 am—1:00 pm	<b>Y78</b>	<b>Back to Basics: Approaching Cold Cases With Open-Source Intelligence: An Undergraduate Perspective</b> Maylynn Burns*; Kelly Crockett, MSFS; Maylynn Burns*
11:30 am—1:00 pm	<b>Y79</b>	<b>A Comparative Analysis of Volatile Memory Analysis Tools in Digital Forensics</b> Jaden McIntosh, BS*

# YFSF POSTER SESSION

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

# YFSF POSTER SESSION

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