

# ANTHROPOLOGY

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## Wednesday

### Poster Session

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11:30 am – 1:00 pm	<b>A1</b>	<b>A Comparative Analysis of Different Maceration Techniques and Their Effects on Bone Integrity</b> Emily Mahoney*; Chloe Cummings, BS; An-Di Yim, PhD
11:30 am – 1:00 pm	<b>A2</b>	<b>The Effects of Basic Solution Concentration and Bone Tissue Type on Progressive Decomposition Solution Color and Clarity</b> Kendall Gehring, MA*
11:30 am – 1:00 pm	<b>A3</b>	<b>The Impact of Standard Forensic Processing Practices on the Accuracy of Dental Age Estimation Methods</b> Chloe Yingling, BS*; McCarthy Lang, BS; Luis Cabo, MS; Joe Adserias-Garriga, PhD; Cheyenne Hindman, MS
11:30 am – 1:00 pm	<b>A4</b>	<b>Flesh to Bone: Time-to-Skeletonization Using D. Maculatus in a Forensic Anthropology Laboratory</b> Gage Papp, BS*; Micki Besse, MS; Heather Walsh-Haney, PhD; Savanna Agilar, MS; Joyce Fassbender, PhD <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i>
11:30 am – 1:00 pm	<b>A5</b>	<b>Pore Extractor 2D v. 2.0: New Utilities for Mapping Collagen Fiber Orientation and Cortical Pore Distribution</b> Mary Cole, PhD*; Emma Brzezinski, MA; Amanda Agnew, PhD
11:30 am – 1:00 pm	<b>A6</b>	<b>Investigating the Position and Morphology of the Mental Foramen for Sex Estimation</b> Natalie Wise, MA*; Erin Kimmerle, PhD
11:30 am – 1:00 pm	<b>A7</b>	<b>Exploring Cranial Morphological Variation Within Operation Identification Cases Using 3D Surface Geometric Morphometrics.</b> Rebekah Stowe, MA*; Kate Spradley, PhD; Nicholas Herrmann, PhD; Elaine Chu, PhD
11:30 am – 1:00 pm	<b>A8</b>	<b>Testing Approaches to Population Affinity/Sex Classification Using FORDISC 3.1: Considerations for Best Practice Recommendations for United States Forensic Casework</b> Alexandra Klales, PhD*; Kate Lesciotto, PhD
11:30 am – 1:00 pm	<b>A9</b>	<b>Comparing the Utility of 3-D Photogrammetry Models and Casts in Forensic Anthropology</b> Lauren Keith, BS*; Hailee Desrosier, MS; Carolyn Isaac, PhD; Joseph Hefner, PhD
11:30 am – 1:00 pm	<b>A10</b>	<b>Rethinking Variable Standardization: Why Mahalanobis Distance Does Not Require Normalized Craniometric Data</b> Joseph Hefner, PhD*; Michael Kenyhercz, PhD
11:30 am – 1:00 pm	<b>A11</b>	<b>A Case Study: The Use of Interosseus Infusions in Adults and Resulting Skeletal Indicators</b> Kaleigh Best, PhD*; Nicholas Passalacqua, PhD
11:30 am – 1:00 pm	<b>A12</b>	<b>Assessing Potential for Individual Variation in Maxillary Sinuses and Mastoid Air Cells: Metric Size Components</b> Tayler Franklin*; Kaleigh Best, PhD <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i>

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11:30 am – 1:00 pm	<b>A13</b>	<b>Embedded in the Bones: An Investigation of Marginalization Through the Structural Vulnerability Profile</b> Navit Nachmias, BA*; Kate Spradley, PhD; Elaine Chu, PhD; Michelle Hamilton, PhD
11:30 am – 1:00 pm	<b>A14</b>	<b>Is Sternotomy Wire Morphological Variation Sufficient to Support a Scientific Identification by Comparative Medical Radiography?</b> Christine Pink, PhD*; Jered Cornelison, PhD; B Charles, PhD
11:30 am – 1:00 pm	<b>A15</b>	<b>A New Methodology of Scoring DISH Severity: A Composite Scoring System</b> Lauren Nichols, MA*; Erin Kimmerle, PhD
11:30 am – 1:00 pm	<b>A16</b>	<b>The Application of Digital Quantitative Analysis From 3D Scans of Entheses for the Possible Use in Age Estimation</b> Gillian Stewart, BA* ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A17</b>	<b>3D-CT-Based Estimation of Facial Soft Tissue Thickness in the Punjabi Population for Craniofacial Reconstruction</b> Akhilesh Pathak, APM; Chandrakala Gadige, APM
11:30 am – 1:00 pm	<b>A18</b>	<b>A Disabled Combat Soldier: Multiple Skeletal Anomalies With Klippel-Feil Syndrome</b> Hyejin Lee, PhD*; Changwon Lee, MA
11:30 am – 1:00 pm	<b>A19</b>	<b>From Flesh to Formula: Devising a Modular Coefficient-Based System for Population-Specific Facial Soft Tissue Thickness Estimation in Forensic Facial Approximation</b> Shubham Thakur, MSc*; Jagmahender Singh Sehrawat, PhD
11:30 am – 1:00 pm	<b>A20</b>	<b>The Morphological Variation of the Crista Galli in a Contemporary United States Population</b> Chastidy Gilbert, BA*; Stephen Nawrocki, PhD; Krista Latham, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A21</b>	<b>Human Body Donation and Donated Skeletal Collection Data Management: The Advantages of Building an Internal Database for Education and Research</b> Skyler Yakes, MA*
11:30 am – 1:00 pm	<b>A22</b>	<b>A Retrospective of Forensic Anthropology Casework at Two Rural University Labs, 2018–2025: Trends, Challenges, and Implications</b> Samantha Blatt, PhD*; Amy Michael, PhD
11:30 am – 1:00 pm	<b>A23</b>	<b>Standardizing Skeletal Sex: A Review of Terminology, Cited Methodology, and Bias-Mitigation in the Standards and Training Documents of United States Forensic Anthropology Institutions</b> Taylor Flaherty, PhD*; Marion Davidson, MSc; Allysha Winburn, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A24</b>	<b>Methodology Trends in Forensic Anthropological Casework and the Implications for Current Practice</b> Jasper Shaw, MA*; Donovan Adams, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A25</b>	<b>The Value of Forensic Anthropological Postdoctoral Fellowship Training in a Medical Examiner Setting: A Four-Year Retrospective Reflection</b> Helen Litavec, PhD*; Devora Gleiber, PhD*; Jason Wiersema, PhD; Miriam Soto Martinez, PhD; Julie Fleischman, PhD

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11:30 am – 1:00 pm	<b>A26</b>	<b>An Investigation Into Academic Inbreeding and Prestige Bias in Forensic Anthropology</b> Nicholas Passalacqua, PhD*; Natalie Clark, BA; Joseph Hefner, PhD
11:30 am – 1:00 pm	<b>A27</b>	<b>Intra-Observer Error in Osteometric Data</b> Maggie Klemm, MA*; Dakota Taylor, MA; William Belcher, APM ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )

## Thursday

### Poster Session

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11:30 am—1:00 pm	<b>A28</b>	<b>Skeletal Trauma in Pediatric Homicides and Suspicious Deaths: A 6-Year Retrospective Review at the West Tennessee Regional Forensic Center</b> Mackenzie Strobel, BA*; Diana Messer, PhD
11:30 am—1:00 pm	<b>A29</b>	<b>Diagnosing Elder Abuse From Skeletal Trauma: A Bayesian Approach to Distinguish Abuse From Accidental Falls</b> Jacob Harris, PhD*; Laura Fulginiti, PhD; Katelyn Bolhofner, PhD; Jane Buikstra, PhD
11:30 am—1:00 pm	<b>A30</b>	<b>A Comparative Macroscopic Study of Bone Quality and Fracture Frequency in Individuals With and Without Arthroplast</b> Theresa De Cree, MS*; Danny Wescott, PhD
11:30 am—1:00 pm	<b>A31</b>	<b>An Exploratory Analysis of Relationships Between Tibial Diaphyseal Shape and Fracture Outcome</b> Christopher Goden, MA*; Amanda Agnew, PhD; Angela Harden, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am—1:00 pm	<b>A32</b>	<b>Predicting Blade Width From Saw Marks: The Development and Validation of a Novel Equation</b> Meghan Gast, APM*; Alexis VanBaarle, APM; Heather Garvin, PhD
11:30 am—1:00 pm	<b>A33</b>	<b>Skeletal Trauma Analysis in Virtual Modalities: Method Development and Application</b> Elizabeth Paradise, BS*; Christopher Wolfe, PhD
11:30 am—1:00 pm	<b>A34</b>	<b>The Resilience of Cut Mark Characteristics: The Effects of Freezing and Defrosting on Cut Mark Analysis</b> Mariana Brito, MSc*; Giada Steiger, MSc; Matteo Borrini, PhD; James Ohman, PhD
11:30 am—1:00 pm	<b>A35</b>	<b>An Overview of Blunt Force Perimortem Trauma in a Sample of Decedents From the Texas-Mexico Border</b> Chris McMillan, BS*; Victoria Swenson, PhD; Kate Spradley, PhD; Chloe McDanel, MA; Victoria Soto, MA; Abigayle Jose, BA
11:30 am—1:00 pm	<b>A36</b>	<b>Art or Science? Using FADAMA to Assess the “Art” of Synthesizing Skeletal Age-Interval Estimates</b> Sophia Henn, BA*; Phoenix Farnham, BA*; Allysha Winburn, PhD
11:30 am—1:00 pm	<b>A37</b>	<b>Considering the Biological Profile in 2026: Accuracy and Relevance in the Current Age</b> Chelsey Juarez, PhD*; An-Di Yim, PhD; Cris Highes, PhD

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11:30 am—1:00 pm	<b>A38</b>	<b>Evaluating Accuracy and Precision: A Comparison of Transition Analysis to Traditional Age-At-Death Estimation Methods</b> Conner Gayagoy*; Allyson Simon, MS; Dawnie Steadman, PhD; Colleen Cheverko, PhD; Mark Hubbe, PhD
11:30 am—1:00 pm	<b>A39</b>	<b>Testing Non-Adult Age Estimation Methods on a Contemporary Taiwanese Sample</b> Kara Becker*; An-Di Yim, PhD
11:30 am—1:00 pm	<b>A40</b>	<b>Age-Informative Features of the Sacral Auricular Surface</b> Krista Bennett, PhD*;
11:30 am—1:00 pm	<b>A41</b>	<b>Developing a Radiographic Application of the Lamendin Method: A Non-Invasive Dental Aging Technique for Forensic Identification</b> Devin Williams, MA*; Ann Ross, PhD
11:30 am—1:00 pm	<b>A42</b>	<b>A Test of the Accuracy of Skeletal Age Estimation Methods on a Modern South-Central United States Population</b> Alexandra Aaberg, BS*
11:30 am—1:00 pm	<b>A43</b>	<b>A Test of the Cameriere et al. Pulp/Tooth Area Age Estimation Methods in a United States Population</b> M. Biannet Perez, MA*; Kailee Behunin, BA; Alexandra Semma Tamayo, MSc; Laure Spake, PhD; Cai Caccavari, MA; Nolan Robinson, DDS
11:30 am—1:00 pm	<b>A44</b>	<b>Addressing Asymmetry in Phase-Based Age Estimation Methods</b> Allyson Simon, MS*; Conner Gayagoy; Dawnie Steadman, PhD; Colleen Cheverko, PhD Mark Hubbe, PhD
11:30 am—1:00 pm	<b>A45</b>	<b>A Validation of the CADOES Method on a Taiwanese Sample</b> Madison Glenwinkel, BA*; Elaine Chu, PhD; Shuo-Yen Lin, MCS; Michael Anekson Widjaya, PhD; Hung-Lin Chen, PhD; Chin-Chi Kuo, PhD
11:30 am—1:00 pm	<b>A46</b>	<b>Adult Age Estimation From the Pubic Symphysis and Sternal Rib: A Combined Revision of the Hartnett Methods</b> Author: Valerie Sgheiza, PhD*; Kristen Hartnett-McCann, PhD*
11:30 am—1:00 pm	<b>A47</b>	<b>Rethinking Expectations for Juvenile Growth and Development Based on an Analysis of a Michigan Medical Examinersample</b> Megan Carroll, BS*
11:30 am—1:00 pm	<b>A48</b>	<b>Sex Estimation of the Patella Using Machine Learning in an African American Population</b> Eric Frauenhofer, MS*
11:30 am—1:00 pm	<b>A49</b>	<b>Assessing the Effect of Method Options (Temporal Period, Ancestry, and World Region) on Sex Estimation using MorphoPASSE v1.0</b> Laura Lovell, BSc*; Christiane Baigent, PhD
11:30 am—1:00 pm	<b>A50</b>	<b>Digital Stature Estimation Using Radiographic Measurements of the Tibia</b> Atlantis Baron, MA*; Meradeth Snow, PhD
11:30 am—1:00 pm	<b>A51</b>	<b>Using Structural Equation Modeling to Investigate the Relationship Between Innominate Metrics and Morphology for Sex Estimation</b> Michael Kenyhercz, PhD; Kate Lesciotto, PhD; Carter Unger, MA* <i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i>

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11:30 am—1:00 pm	<b>A52</b>	<b>Exploring the Relationship Between Heat-Related Fractures, Perimortem Context, and Trauma Mechanism</b> Allison Thomson, BS*; Rylan Tegtmeier Hawke, PhD; Catherine Jones, PhD
11:30 am—1:00 pm	<b>A53</b>	<b>Assessing the Accuracy of Entrance and Exit Wound Characterization in Long Bone Gunshot Wounds</b> Alexandra Semma Tamayo, MSc*; Tal Simmons, PhD; Laure Spake, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am—1:00 pm	<b>A54</b>	<b>Asymmetry of Human Ribs: Considerations for Trauma Experiments and Interpretations</b> Randi Depp, PhD*
11:30 am—1:00 pm	<b>A55</b>	<b>Bullet Wipe Analysis in Skeletal Gunshot Trauma Cases</b> Joe Adserias-Garriga, PhD*; Flavia Rossell Hayes, BS; Chloe Yingling, BS; Sydney R. Carlson, APM
11:30 am—1:00 pm	<b>A56</b>	<b>Sex-Specific Stature Estimation Using Upper and Lower Limb Anthropometric Measurements in the Modern South Indian Population: A Comparative Analysis of Regression and Mathematical Methods</b> Ambika Prasad Patra, MD, MBBS*; Shashank Singh, MBBS
11:30 am—1:00 pm	<b>A57</b>	<b>Narrowing the Age Range: The Utility of Cranial Suture Methods in Aging</b> Lyndsey Hornagold, MS*; Erin Kimmerle, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am—1:00 pm	<b>A58</b>	<b>An Evaluation of Microscopic Techniques in Cementochronology for Forensic Age-at-Death Estimation</b> Amando Montalvo, MS*; Carina Marques, PhD; Benoit Bertrand, PhD
11:30 am—1:00 pm	<b>A59</b>	<b>Anterior Mandibular Morphometry and Its Application in Juvenile Biological Profiling: A Quantitative Analysis and Possible Implications</b> Jennifer Geisen, MSc*; Matteo Borrini, PhD

## Thursday—Session I

### Emerging Approaches to Biological Profile Estimation in Forensic Anthropology

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Moderator: Krista Bennett, PhD

Co-Moderator: Dong-ho Kim

8:30 am—8:45 am	<b>A60</b>	<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
8:45 am—9:00 am	<b>A61</b>	<b>Stature Estimation Based on Femoral Dimensions: A CT Study on Contemporary Greeks</b> Despoina Flouri, MD*; Maria Arkouli; Elena Kranioti, PhD; Antonios Papadomanolakis, PhD; Efsevia Daskalaki, MSc; Eirini Chasapi, MSc
9:00 am—9:15 am	<b>A62</b>	<b>Tiny Proteins, Big Impact: Rethinking Sex Estimation Through Dental Proteomics</b> Niharika Bhardwaj, MSc*; Shubham Thakur, MSc; Sanya Gaur, PhD
9:15 am—9:30 am	<b>A63</b>	<b>Using Virtual 3D Models of the Pelvis to Explore Biometric Relationships Between Transgender and Cisgender Adults</b> Taylor Flaherty, PhD*; Molly Morano; Jennifer Byrnes, PhD; Carl Streed, MD; Amy Weimer, MD; Mark Litwin, MD

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9:30 am—9:45 am	<b>A64</b>	<b>Testing Posterior Probability Informed Thresholds Using the Innominate, Cranial, and Combined Traits in MorphoPASSE: Best Practice Recommendations</b> Kate Lesciotto, PhD*; Alexandra Klales, PhD
9:45 am—10:00 am		<b>BREAK</b>

## Advancing Methods in Age Estimation and Population Affinity in Forensic Anthropology

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Moderator: Elaine Chu		Co-Moderator: Cheyenne Collins, MA
10:00 am—10:15 am	<b>A65</b>	<b>A New, Flexible, and Accurate Method for Histological Age Estimation From the Femoral Midshaft</b> Timothy Gocha, PhD*; Shelby Garza, PhD; Amanda Agnew, PhD; Michael Kenyhercz, PhD; Justin Goldstein, PhD; Tessa Herbert, MA
10:15 am—10:30 am	<b>A66</b>	<b>An Age-at-Death Estimation Using Micro-CT analysis of the Hyoid Bone: A Forensic Anthropology Approach</b> Samuele Baldi, MD*; Giovanni Cecchetto, MD, PhD; Gulnaz Javan, PhD; Chiara Giraudo, MD, PhD; Miriam Nomba Belem; Laura Secco, MD
10:30 am—10:45 am	<b>A67</b>	<b>A Micro-CT Evaluation of the Sternoclavicular Joint for Age-At-Death Estimation: A Quantitative Microstructural Analysis</b> Laura Secco, MD*; Pasquale Padalino, MD; Chiara Giraudo, MD, PhD; Guido Viel, MD, PhD; Stefano Palumbi, MD; Giovanni Cecchetto, MD, PhD
10:45 am—11:00 am	<b>A68</b>	<b>Using Information Theory to Better Understand the Relationship Between the Cranial Phenotype and Group Membership</b> Christopher Wolfe, PhD*; Kyra Stull, PhD
11:00 am—11:15 am	<b>A69</b>	<b>Exploring Population Affinity in United States Asian Populations</b> Amelia Konda, MA*; Joseph Hefner, PhD; Kate Spradley, PhD; Matthew Go, PhD
11:15 am—11:30 am	<b>A70</b>	<b>Unrepresented and Misclassified: Evaluating FORDISC 3.1 Using Korean Crania</b> Yangseung Jeong, PhD*; Addison Springer, BA
11:30 am—1:00 pm		<b>BREAK</b>

## Innovations in Computational and AI-Based Approaches to Forensic Anthropology

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Moderator: Kyra Stull		Co-Moderator: Anja Petaros
1:00 pm—1:15 pm	<b>A71</b>	<b>Automated Craniofacial Reconstruction Through the Use of Generative AI: The FaceGen Project</b> Oscar Ibáñez, PhD*; M. Alejandra Guativonza Higuera, MSc; Javier Venema, MSc; Andrea Valsecchi, PhD; Pablo Mesejo, PhD; Guillermo Gómez-Trenado, PhD; Stéphane Lathuilière, PhD
1:15 pm—1:30 pm	<b>A72</b>	<b>Automatic 3D Skull Segmentations From Clinical MSCT Scans: An Exploratory Study in Creating a Virtual Osteological Collection in Split, Croatia</b> Lauren Asbury, BA*

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1:30 pm—1:45 pm	<b>A73</b>	<b>Introducing MOSAIC: Methods of Sex, Stature, Affinity, and Age for Identification Through Computational Standardization</b> Joseph Hefner, PhD; Kate Lesciotto, PhD; Michael Kenyhercz, PhD; Heather Edgar, PhD; Kate Spradley, PhD; Alexandra Kiales, PhD*
1:45 pm—2:00 pm	<b>A74</b>	<b>Something Old, Something New, Something Borrowed: Interpretable Deep Learning for Forensic Sex and Age Estimation</b> Željana Bašić, PhD*; Ivana Kružić, PhD; Ivan Jerković, PhD
2:00 pm—2:15 pm	<b>A75</b>	<b>Combining the Micro With the Macro: Age Estimation Using Machine Learning Methods With Histological Variables and Traditional Indicators</b> Sophia Mavroudas, PhD*; Lauren Meckel, PhD; Nicholas Herrmann, PhD; Justin Goldstein, PhD
2:15 pm—2:30 pm	<b>A76</b>	<b>Applying Machine Learning Models in Forensic Anthropology for Sex Estimation From Long Bone Diaphysis Shape</b> Melanie Beasley, PhD*; Talha Mahmud, MS; Fengqing Zhu, APM
2:30 pm—2:45 pm		<b>BREAK</b>

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## Developments in Forensic Anthropology: Skeletal Analysis, Decision-Making, and Emerging Methods

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Moderator: Carolyn Isaac	Co-Moderator: Theresa De Cree, MS
2:45 pm—3:00 pm	<b>A77</b> <b>An Assessment of Subadult Skeletal Growth and Development Based on a Michigan Medical Examiner Sample</b> Megan Carroll, BS*
3:00 pm—3:15 pm	<b>A78</b> <b>Pubic Symphysis Phase Classification: Contextual Information and Decision-Making</b> Nicole Mantl, MSc*; Bastien Charly, MSc; Sherry Nakhaeizadeh, PhD; Robert Rogers, PhD; Nicholas Marquez-Grant, PhD
3:15 pm—3:30 pm	<b>A79</b> <b>A Foundational Analysis of Practitioner Decision-Making and Interaction With FORDISC</b> Marion Davidson, MSc*; Micayla Spiros, PhD; Sherry Nakhaeizadeh, PhD; Ruth Morgan, DPhil ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
3:30 pm—3:45 pm	<b>A80</b> <b>Breaking Down Expertise: How Experience Shapes Sex Estimation in Forensic Anthropology</b> Nicole Mantl, MSc*; Sherry Nakhaeizadeh, PhD; Ruth Morgan, DPhil
3:45 pm—4:00 pm	<b>A81</b> <b>Areas of Interest: Eye-Tracking in Forensic Anthropology Sex Estimation</b> Nicole Mantl, MSc*; Sherry Nakhaeizadeh, PhD; Ruth Morgan, DPhil
4:00 pm—4:15 pm	<b>A82</b> <b>Combining Intracortical Porosity, Histomorphometric, and Toxicological Data to Describe a Profile of Bone Pathological Tissue Changes Associated With Polysubstance Toxicity: A Canadian Perspective</b> Janna Andronowski, PhD*; Joshua Taylor, MS; Cindy Whitten, PhD; Syed Raza, APM; Shane Randell, MS; Nash Denic, MD, PhD
4:15 pm—4:30 pm	<b>A83</b> <b>An Examination of How Skeletal Element and Microstructure Alter DNA Amplification in a Novel Environment</b> Shelby Saut, MA*; Ashley Kendell, PhD; Beth Shook, PhD

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## Thursday – Session II

### Advances in Isotope Analysis for Human Identification

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Moderator: Christaine Baigent

Co-Moderator: Janamarie Truesdell, DPhil

8:00 am–8:15 am	<b>A84</b>	<b>Estimating Multi-Residency From Bulk <math>\delta^{18}\text{O}</math> Enamel Carbonate Sampling</b> Thomas Delgado, MA*; Kirsten Verostick, PhD; Gabriel Bowen, PhD; Stephannie Covarrubias, MPH; Chris Stantis, PhD
8:15 am–8:30 am	<b>A85</b>	<b>Isotope Ratios in Paired Human Bone and Hair Samples for Forensic Applications</b> Tiffany Fracchia, PhD*; Gregory Berg, PhD; Lesley Chesson, MS
8:30 am–8:45 am	<b>A86</b>	<b>United States Tooth Enamel Oxygen Isoscapes for Human Identification</b> Gabriel Bowen, PhD*; Kirsten Verostick, PhD; Gregory Berg, PhD; Lesley Chesson, MS; Thomas Delgado, MA; Chris Stantis, PhD
8:45 am–9:00 am	<b>A87</b>	<b>A Dual-Isotope Approach to Enhancing Isotopic Models for the Identification of Human Remains in North Carolina</b> Nicole Long, PhD*; Ethan Hyland, PhD ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
9:00 am–9:15 am		<b>BREAK</b>

### New Approaches for Commingling Resolution

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Moderator: Micayla Spiros, PhD

Co-Moderator: Esther, Choo, MA

9:15 am–9:30 am	<b>A88</b>	<b>Reassociation of Commingled Tibiae and Tali Using Geometric Morphometrics</b> Nicole Wray, MS*; Stephanie Melillo, PhD
9:30 am–9:45 am	<b>A89</b>	<b>An Isotope-Aided Multifactorial Segregation of Skeletal Individuals From a Complex Small-Scale Commingled Assemblage</b> Janet Finlayson, PhD*; Gregory Berg, PhD; Rebecca Taylor, PhD; Lesley Chesson, MS
9:45 am–10:00 am	<b>A90</b>	<b>Laser-Induced Breakdown Spectroscopy of Submerged Remains: The Implications for Their Re-Association in Commingled Situations</b> Matthieu Baudelot, PhD*; Kristen Livingston, PhD; Gregory Berg, PhD; Lesley Chesson, MS; John Lucchi, PhD; John Byrd, PhD
10:00 am–10:15 am	<b>A91</b>	<b>Man's Best Friend: Multi-Species Commingling Resolution of Highly Fragmented, Canine-Scavenged Remains Using Zooarchaeology by Mass Spectrometry (ZooMS)</b> Andrea Palmiotto, PhD*; Jerry Overman; Emily Sykora, MA; Anneke Janzen, PhD
10:15 am–10:30 am		<b>BREAK</b>

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## Medical and Anatomical Markers in Forensic Human Identification

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Moderator: Natalie Langley, PhD

Co-Moderator: Catherine Jones, PhD

10:30 am—10:45 am	<b>A92</b>	<b>Investigating the Utility of Surgical Intervention Products for Personal Identification</b> Jered Cornelison, PhD*; B Charles, PhD; Christine Pink, PhD
10:45 am—11:00 am	<b>A93</b>	<b>Personal Identification Through Comparative Medical Radiography: Guiding Training Through Recent Trends</b> B Charles, PhD*; Jered Cornelison, PhD; Christine Pink, PhD
11:00 am—11:15 am	<b>A94</b>	<b>Quantifying the Frontal Sinus to Improve Positive Identification Methods</b> Brailey Moeder, MS*; Stephanie Melillo, PhD
11:15 am—11:30 am	<b>A95</b>	<b>Anatomical Variants of the Skull: The Potential Use for Identification Purposes</b> Paolo Palermo, MD*; Sofia Alemanno; Carlo Pietro Campobasso, MD, PhD; Andrea Palamenghi, PhD; Giulia Caccia, PhD; Daniele Maria Gibelli, MD, PhD ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
11:30 am—1:00 pm		<b>BREAK</b>

## Climate Change in Forensic Anthropology

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Moderator: Jennifer Byrnes, PhD

Co-Moderator: Colleen Milligan, PhD

1:00 pm—1:15 pm	<b>A96</b>	<b>Drier Futures, Falling Waters: A Retrospective Analysis of Lake Mead's Forensic Anthropology Cases</b> Jennifer Byrnes, PhD*; Liam Johnson, MA; Dayanira Lopez, MS; Melanie Rouse, MA; Nathan Shaller, MD
1:15 pm—1:30 pm	<b>A97</b>	<b>Wildfire Deployment: Lessons From the California Wildfires</b> Alison Galloway, PhD*; Chelsey Juarez, PhD; Elayne Pope, PhD
1:30 pm—1:45 pm	<b>A98</b>	<b>The Impact of Climate Change on the Mortality of Migrants: Forensic Casework in the United States Southwest</b> Jasmine Hernandez, MS*; Lexi O'Donnell, PhD; Heather Edgar, PhD; Daniel Martinez, PhD; Laura Nellums, PhD
1:45 pm—2:00 pm	<b>A99</b>	<b>Climate Change and Mass Disasters: The Role of Forensic Anthropology Outreach in Helping Communities Better Prepare for Mass Disasters</b> Colleen Milligan, PhD*; Eric Bartelink, PhD; Ashley Kendell, PhD; Shannon Clinkinbeard, MA; Amber Plemons, PhD
2:00 pm—2:15 pm		<b>BREAK</b>
2:15 pm—2:30 pm	<b>A100</b>	<b>Scavengers on the Move: Geospatial Evidence of Changing Vulture Behavior in Forensic Landscapes</b> Lauren Pharr-Parks, PhD*
2:30 pm—2:45 pm	<b>A101</b>	<b>Climate Change, Vulnerability, and the 2023 Lahaina Fire Victims' Locations and Demography</b> Patrick Willey, PhD*; Casey Hegel, MA
2:45 pm—3:00 pm	<b>A102</b>	<b>The Geography of Forensic Absence: Climate, Natural Disasters, and the Search for Unidentified Persons in Louisiana</b> Teresa Wilson, PhD*; Sara Finn, MA
3:00 pm—3:15 pm		<b>DISCUSSION AND Q&amp;A</b>

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## Friday

### Poster Session

11:30 am – 1:00 pm	<b>A103</b>	<b>A Cold Case Reanalysis Demonstrates the Importance of Forensic Anthropology Training in the Interpretation of Trauma to the Skeleton</b> Ella Uren, BS*; Krista Latham, PhD
11:30 am – 1:00 pm	<b>A104</b>	<b>Identification Patterns in Operation Identification Cases</b> Emma Giacomello, MA*; Michelle Hamilton, PhD; Kate Spradley, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A105</b>	<b>Dignity in Death: Developing Remote Case Management and Burial Protocols for Long-Term Unidentified Decedents</b> Victoria Swenson, PhD*; Molly Kaplan, PhD; Daniela Martinez Herrera, BA; Abigayle Jose, BA; Ashley Fields, BS; Hannah Stottlemire, MA ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A106</b>	<b>WITHDRAWN</b>
11:30 am – 1:00 pm	<b>A107</b>	<b>Close-Interval Metal Detection of Wreckage at Crash Sites of Large Aircraft to Identify Priority Areas for the Recovery of Human Remains</b> Lillian Antonelli, MA*; David Bavencoff, MS; Andrea Palmiotto, PhD; Lexi Dengah, BA; Francesca Fiorello; Axel Valdez Ruiz
11:30 am – 1:00 pm	<b>A108</b>	<b>An Evaluation of the Use of Alternate Light Sources in the Search for Burned Skeletal Remains</b> Jessica Lucia, MA*; James Russell, BFA; Tal Simmons, PhD; Stephen Stockman, MPA; Jenise Swall, PhD
11:30 am – 1:00 pm	<b>A109</b>	<b>Ground Penetrating Radars in Forensic Anthropology: Evaluating Efficacy Through Controlled Systematic Surveys</b> Dawson Lamb, MA*; Anthony Lanfranchi, MS* ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A110</b>	<b>Anthropological Approaches to Identification in a Historic World War II Aircraft Loss: The Crew of Little Joe</b> Catherine Jones, PhD*; Katie East, PhD; Carrie Brown, PhD
11:30 am – 1:00 pm	<b>A111</b>	<b>From Chaos to Connection: Reassociating Arm Bones in Commingled Contexts</b> Anna La Valley, MSc*; Erica Baer, PhD; Xenia Paula Kyriakou, PhD
11:30 am – 1:00 pm	<b>A112</b>	<b>Occipito-Atlas Reassociation in Commingled Skeletal Remains</b> Anna La Valley, MSc*; Stavri Karasiali, MSc*; Erica Baer, PhD; Xenia Paula Kyriakou, PhD
11:30 am – 1:00 pm	<b>A113</b>	<b>Examining Contributing Factors to Natural Human Mummification at FOREST in Cullowhee, North Carolina: A Continued Investigation</b> Alex Vacca*; Kaleigh Best, PhD; Rebecca George, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A114</b>	<b>Terrestrial Scavenger Activity on Human Remains at FROST</b> Emma Gariepy, BSc*; Hayden McKee-Zech, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )

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11:30 am – 1:00 pm	<b>A115</b>	<b>The Importance of Scene Context in Anthropological Time-Since-Death Estimation: “Back to the Basics” of PMI</b> Ariana Strasheim, MA*; Allysha Winburn, PhD*; Taylor Walkup, MA*; Emily Romdemne, MA*
11:30 am – 1:00 pm	<b>A116</b>	<b>The Effects of Obesity on Decomposition by Measuring Mass Loss Percentage and Postmortem Interval Estimation</b> Paige Jackson, MA*; Danny Wescott, PhD*
11:30 am – 1:00 pm	<b>A117</b>	<b>A Preliminary Study of Human Decomposition in Aquatic Environments in Greece</b> Christina Karydi, PhD*; Giorgos Kyros, MSc; Konstantinos Moraitis, PhD*; Kostas Lagouvardos, PhD
11:30 am – 1:00 pm	<b>A118</b>	<b>A Test of Thermal Damage Recording Systems With Advancing Decomposition</b> Mariah Moe, PhD*; Sophia Mavroudias, PhD; Danny Wescott, PhD; Hailey Collard-Stalder, MA
11:30 am – 1:00 pm	<b>A119</b>	<b>The Accuracy of PMI Predictions in GeoFOR Using Retrospective Decomposition Data</b> Victoria Eacott, BA*; Sydney Munkus, BS; Tempest Mellendorf, MS ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A120</b>	<b>Adipocere Formation in a Subtropical Climate and the Most Effective Method to Process Adipocere on Skeletal Remains</b> Amanda Schultz, BA*; Erin Kimmerle, PhD
11:30 am – 1:00 pm	<b>A121</b>	<b>The Decomposition of Buried Human Remains in a Semi-Arid Environment</b> Alexander Smith, BA*
11:30 am – 1:00 pm	<b>A122</b>	<b>Dirt, Decay, and Dentition: Taphonomic Alterations to Teeth From Buried Skeletal Remains in Southwest Florida</b> Emmalee Bullington, BS*; Micki Besse, MS; Heather Walsh-Haney, PhD; Savanna Agilar, MS; Jeffery Kleeger, PhD; Shawn Keller, PhD
11:30 am – 1:00 pm	<b>A123</b>	<b>Evaluating the Total Body Score (TBS) Method to Assess Performance of PMI Estimates in Forensic Casework</b> Katherine Weisensee, PhD*; Madeline Atwell, PhD; Hudson Smith, PhD
11:30 am – 1:00 pm	<b>A124</b>	<b>Investigating the Applicability of Different Postmortem Interval Estimation Methods in the Mid-Atlantic Region</b> Mason Kalin*; Kennedie Lyles, BS*; An-Di Yim, PhD; Emily Rancourt, MSFS; Molly Kilcarr, BS; Chloe Cummings, BS
11:30 am – 1:00 pm	<b>A125</b>	<b>Saturated (Equatorial) Savanna Soils: The Efficacy of Anaerobic Postmortem Interval Estimations in Southwest Florida</b> Savanna Agilar, MS*; Micki Besse, MS; Heather Walsh-Haney, PhD ( <i>FSF Emerging Forensic Scientist Award Poster Presentation</i> )
11:30 am – 1:00 pm	<b>A126</b>	<b>The Need for Additional Environmental Diversity in Human Decomposition Research Facility Locations</b> Rachael McCrary, MS*; Nicholas Passalacqua, PhD
11:30 am – 1:00 pm	<b>A127</b>	<b>A Camera Trap Analysis of Songbird Scavenging Behavior at the Anthropology Research Facility (ARF) - University of Tennessee, Knoxville (UTK)</b> Owen VanAntwerpen, BS*; Hayden McKee-Zech, PhD; Cory Elowe, PhD
11:30 am – 1:00 pm	<b>A128</b>	<b>Assessing the Influences of Burial Environment and Season of Interment on Fetal Pig (<i>Sus Scrofa</i>) Decomposition in Western Pennsylvania</b> Dakota Dickerson, MA*; Alexandra Schmidt, BA; Andrea Palmiotto, PhD

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11:30 am – 1:00 pm	<b>A129</b>	<b>Investigating the Effectiveness of 3D Documentation of Taphonomic Changes</b> Emily Powell*; Chloe Cummings, BS; An-Di Yim, PhD; Emily Rancourt, MSFS; Marlowe Vaughn-Bueler, MS
11:30 am – 1:00 pm	<b>A130</b>	<b>Soil Types and Components That Influence Toolmark Retention for Forensic Archaeological Cases</b> Josephine Reid, BSc*; Roland Wessling, MSc; David Errickson, PhD
11:30 am – 1:00 pm	<b>A131</b>	<b>Utilizing pXRF to Resolve Unusual Discoloration in Cremains: A Case Study</b> Samantha McCrane, PhD*; Phoebe Stubblefield, PhD
11:30 am – 1:00 pm	<b>A132</b>	<b>The Persistence of Ultraviolet Bone Autofluorescence Following Submersion in a Corrosive Acidic Solution</b> Kendall Gehring, MA
11:30 am – 1:00 pm	<b>A133</b>	<b>Scattered Man: The Curious Case of Captain Henry Goodsell</b> Anna Delaney, DCrim*; Thomas Crist, PhD; Gina Hart, MA
11:30 am – 1:00 pm	<b>A134</b>	<b>Exploring the Influence of Loading Direction on Fracture Characteristics in Human Tibiae</b> Amanda Agnew, PhD*; Christopher Goden, MA; Kyra Stull, PhD; Angela Harden, PhD; Julia McGinley, BS
11:30 am – 1:00 pm	<b>A135</b>	<b>Incomplete Kerf Morphology and Saw Class Characteristics: Comparative Statistical Insights From Fleshed and Defleshed Experimental Dismemberments</b> Stephanie Cole, PhD*; Heather Garvin, PhD
11:30 am – 1:00 pm	<b>A136</b>	<b>The Resilience of Cut Mark Characteristics: A New Experimental Study on the Effect of Fire on Fleshed Remains</b> Mariah Morris, MSc*; Giada Steiger, MSc; Matteo Borrini, PhD
11:30 am – 1:00 pm	<b>A137</b>	<b>Investigating the Utility of Micro-CT for Human and Non-Human Bone Compared to Traditional Histology</b> Rose Raymer*; Laura Cirillo, PhD; Savannah McAdow, MA
11:30 am – 1:00 pm	<b>A138</b>	<b>Modeling Sharp Force Trauma: A Bayesian Approach to Differentiate Bone Surface Modifications From Straight and Serrated Blades</b> Alexander Cortes, BS; Kymani Bledsoe; Jacob Harris, PhD*; William Nyce

## ***Friday – Session I***

### **Bone Trauma: Advances in Sharp Force, Projectile, Blast, and Thermal Analysis**

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Moderator: Sara Zapico, PhD

Co-Moderator: Lillian S. Antonelli, MA

8:30 am—8:45 am	<b>A139</b>	<b>Chopping/Hacking Sharp Force Trauma on Bone: A Forensic Analysis of Cut Marks Using Macroscopic and Microscopic Techniques</b> Kelly McGehee, MA*; John Schultz, PhD
8:45 am—9:00 am	<b>A140</b>	<b>Standardizing and Re-Evaluating Observer Agreement in Kerf Traits Commonly Used to Predict Saw Class Characteristics</b> Ashley Maxwell, PhD*; Alexandra Kiales, PhD
9:00 am—9:15 am	<b>A141</b>	<b>Crack Propagation in Projectile-Impacted Human Long Bones</b> Angi Christensen, PhD; Mariyam Isa, PhD*; Brian Spatola, MA; Timothy Gocha, PhD

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9:15 am—9:30 am	<b>A142</b>	<b>Classifying Projectile Entrances and Exits in Flat Bone: Insights and Challenges With Machine Learning</b> Mariyam Isa, PhD; Delaney Edwards, MA*
9:30 am—9:45 am	<b>A143</b>	<b>Primary Skeletal Blast Trauma: Examining the Effects of the Blast Wave on Skeletal Trauma Using Postmortem Human Subjects and Non-Human Proxies</b> Petra Banks, PhD*
9:45 am—10:00 am	<b>A144</b>	<b>Evaluating Dimensional Changes in Long Bones Exposed to Fire</b> Joe Adserias-Garriga, PhD*; Laia Nogue, MS; Luis Cabo, MS; Marta Fernandez-Viejo, MS; Laura Rodriguez, PhD; Rebecca Garcia-Gonzalez, PhD
10:00 am—10:15 am		<b>BREAK</b>

## New Frontiers in Skeletal Trauma Analysis

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		Moderator: Benjamin Figura, PhD	Co-Moderator: Amy Spies, PhD
10:15 am—10:30 am	<b>A145</b>	<b>A Preliminary Comparative Assessment of Digital Imaging Modalities for Fractographic Analysis</b> Delaney Edwards, MA*; Angela Harden, PhD; Mary Cole, PhD	
10:30 am—10:45 am	<b>A146</b>	<b>A Comparison of Postmortem Radiograph Modalities for the Detection of Infant Skeletal Trauma</b> Miriam Soto Martinez, PhD*; Jason Wiersema, PhD; Julie Fleischman, PhD; Si Gao, MS; Michal Pierce, MS	
10:45 am—11:00 am	<b>A147</b>	<b>A Micro-CT Analysis of False Start Marks on Fire-Exposed Human Bones</b> Laura Secco, MD*; Ludovico Fava, MD; Chiara Giraudo, MD, PhD; Guido Viel, MD, PhD; Stefano Palumbi, MD; Giovanni Cecchetto, MD, PhD	
11:00 am—11:15 am	<b>A148</b>	<b>Opening the Black Box: Visualizing AI Decisions in Forensic Trauma Analysis</b> Giada Steiger, MSc*; Matteo Borrini, PhD	
11:15 am—11:30 am	<b>A149</b>	<b>Harnessing Machine Learning to Evaluate Microscopic Characteristics of Skeletal Trauma</b> Keivan Nalaie, PhD*; Jessica Skinner, PhD; Aurely Sanchez Carreon, BS; Loukham Shyamsunder, PhD; Subramaniam Rajan, PhD; Natalie Langley, PhD*	
11:30 am—1:00 pm		<b>BREAK</b>	

## From Fundamentals to Formulation: Developing Interdisciplinary Approaches for Taphonomy Research

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		Moderator: Angela Dautartas, PhD	Co-Moderator: Derek Boyd, PhD
1:00 pm—1:15 pm	<b>A150</b>	<b>Developing Evidence-Based Approaches for Taphonomic Histories: A Call for Communication Across the Disciplinary Divide</b> Derek Boyd, PhD; Angela Dautartas, PhD*; Hayden McKee-Zech, PhD; Erin Patrick, MSc; Kelly Sauerwein, PhD	
1:15 pm—1:30 pm	<b>A151</b>	<b>A Foundational Exploration of the Scavenger Guild in Baltimore, Maryland</b> Marion Davidson, MSc* ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )	
1:30 pm—1:45 pm	<b>A152</b>	<b>The Detection of Decomposition in Soil With Portable X-Ray Fluorescence</b> Rhys Williams, PhD*	

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1:45 pm—2:00 pm	A153	<b>Taphonomic Analyses of Hair: From Postmortem Root Banding to Environmental Degradation</b> Sandra Koch, PhD*
2:00 pm—2:15 pm		<b>BREAK</b>
2:15 pm—2:30 pm	A154	<b>The Application of GeoFOR at the Anthropological Research Facility</b> Tempest Mellendorf, MS*; Devin Adcox, MA; Sydney Munkus, BS; Victoria Eacott, BA ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )

## Forensic Recovery and Reconstruction: Technology, Environment, and Taphonomy

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Moderator: Ginesse Listi, PhD	Co-Moderator: Ella Uren, BX
2:30 pm—3:00 pm	A155 <b>A Web-Based Application for Predicting the Fluvial Transport of Human Remains in the Sacramento River, California: Case Applications for Constraining Search Parameters for River Victims</b> Jazmin Borrayo, BA*; Eric Bartelink, PhD; Colleen Milligan, PhD
3:00 pm—3:15 pm	A156 <b>From Scene to Screen: 3D Data Collection Options for Forensics</b> Jessica Cronin, MS*; Stephanie Melillo, PhD
3:15 pm—3:30 pm	A157 <b>Virtual Bonescape: Integrating Two Recovery Methods, Virtual Re-Association of Fragmented Remains and Scene Reconstruction, in a Disaster Victim Identification Context</b> Lise Malfroy Camine, DDS*; Silke Grabherr, PhD; Negahnaz Moghaddam, PhD; Vincent Varlet, PhD
3:30 pm—3:45 pm	<b>BREAK</b>
3:45 pm—4:00 pm	A158 <b>The Impact of Decomposition Stage, Hypoxia, and Enclosure in a Class C Motorhome on the Morphological Trajectory of Fire-Exposed Human Remains</b> Christiane Baigent, PhD*
4:00 pm—4:15 pm	A159 <b>Gull (Laridae) Scavenging and Dispersal of Pig (Sus Scrofa) Remains on Appledore Island, Maine</b> Austin Millwood, BA, BS*; James Pokines, PhD
4:15 pm—4:30 pm	A160 <b>Patterns of Vulture Scavenging in West Central Florida</b> Tuesday Frasier, MS*; Erin Kimmerle, PhD Erin Waxenbaum, PhD*; Katharine Pope, MA

## Friday – Session II

### Standards, Best Practices, and Professional Well-Being in Forensic Anthropology

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Moderator: Alice Gooding, PhD	Co-Moderator: Thomas Delgado, MA
8:30 am—8:45 am	A161 <b>An Assessment of Standard Operating Procedures for Forensic Anthropology at Accredited United States Laboratories</b> Marion Davidson, MSc*; Allysha Winburn, PhD; Taylor Flaherty, PhD ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
8:45 am—9:00 am	A162 <b>Description, Interpretation, and Overinterpretation: Ensuring a Scientific Foundation for Forensic Skeletal Trauma Analysis</b> Donna Boyd, PhD*

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9:00 am—9:15 am	<b>A163</b>	<b>Standards Development in Forensic Anthropology: Progress and Updates From the OSAC and ASB</b> Eric Bartelink, PhD*; Julie Fleischman, PhD
9:15 am—9:30 am	<b>A164</b>	<b>Normalizing Discussions of Mental Health in Forensic Anthropology</b> Erin Waxenbaum, PhD*; Katharine Pope, MA
9:30 am—9:45 am		<b>BREAK</b>

## Balancing Justice and Responsibility: Contemporary Ethical Challenges in Forensics

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Moderator: Amanda Williams, PhD

Co-Moderator: Melinda Carter, PhD

9:45 am—10:00 am	<b>A165</b>	<b>An Examination of the Medicolegal Processes Relating to Native American Repatriation</b> Arielle Reich, MA*; Cris Hughes, PhD; Marynia Kolak, PhD; Catherine Discenza, BS; Krystiana Krupa, MSL; Jenny Davis, PhD ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
10:00 am—10:15 am	<b>A166</b>	<b>Assessing Forensic Significance and Ethical First Steps at the West Tennessee Regional Forensic Center</b> Christine Bailey, MA; Diana Messer, PhD; Devin Adcox, MA* ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
10:15 am—10:30 am	<b>A167</b>	<b>Ethics and Preventive Forensics in the Face of Violent Deaths: WWCD (What Would Clyde Do)?</b> Derek Congram, PhD*; Nicholas Passalacqua, PhD; Marin Pilloud, PhD; Hugo Rodriguez-Almada, MD; Gina Hart, MA; Mark Skinner, PhD
10:30 am—10:45 am	<b>A168</b>	<b>Language at the Border: Changing Our Language Changes Our Perspective</b> Makenna Mizell, BA*; Chastidy Gilbert, BA; Krista Latham, PhD; Amandine Eriksen, PhD; Lillian Bucher, BS; Frankey Leggio, MS ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
10:45 am—11:00 am	<b>A169</b>	<b>Preventing a Repeat of the Past: Ethical Considerations in Data Collection and Use in the Age of Artificial Intelligence and Machine Learning</b> Ashley Smith, MSc*; Eman Faisal, MSc
11:00 am—11:15 am	<b>A170</b>	<b>The Impact of Collection-Specific Sample Bias on Aggregate Cranial Morphology in United States-Based Documented Skeletal Collections</b> Rhian Dunn, PhD*; Joseph Hefner, PhD
11:15 am—11:30 am	<b>A171</b>	<b>Defining Effective Investigation: A Fundamental Requirement for the Examination of Mass Graves and Other Atrocity Crime Scenes</b> Ian Hanson, PhD*; Melanie Klinkner, PhD; Diego Nunez, MSc; Ellen Donovan, MA
11:30 am—1:00 pm		<b>BREAK</b>

## From Numbers to Names: Forensic Perspectives on Missing and Unidentified Individuals

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Moderator: Sara Zapico, PhD

Co-Moderator: Nikki Long, PhD

1:00 pm—1:15 pm	<b>A172</b>	<b>Who Are the Nation's Unidentified? Assessing Demographics and Case Characteristics of Long-Term Unidentified Persons in the United States</b> Molly Kaplan, PhD* ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
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1:15 pm—1:30 pm	<b>A173</b>	<b>Digging Up Doe: An In-depth Study of Exhumations in Cold Case Investigations</b> Erin Kimmerle, PhD*; Kelsee Hentschel-Fey, MA; Amanda Schultz, BA; Lauren Nichols, MA
1:30 pm—1:45 pm	<b>A174</b>	<b>Operation Identification: Ethnographic Stories Beyond Turning Numbers Into Names</b> Victoria Soto, MA*; Ivanna Robledo, MA; Daniela Martinez Herrera, BA ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
1:45 pm—2:00 pm	<b>A175</b>	<b>The Missing and Unidentified at La Frontera: Communication Networks and the Forensic Anthropologist's Role at the México-United States Border</b> Aliya Godoy, MA*
2:00 pm—2:15 pm	<b>A176</b>	<b>Understanding Missingness: A Case Study Utilizing the Mississippi Repository for Missing and Unidentified Persons</b> Sarahane Smith-Escudero, MA*; Rachel Coppock, BA; Jesse Goliath, PhD ( <i>FSF Emerging Forensic Scientist Award Oral Presentation</i> )
2:15 pm—2:30 pm	<b>A177</b>	<b>A Preliminary Review of Long-Term Unidentified Decedents at the West Tennessee Regional Forensic Center</b> Lauren Santoro, BS*; Danielle Harrell, DO; Diana Messer, PhD
2:30 pm—2:45 pm		<b>BREAK</b>

## Forensic Recovery and Identification Across Disasters, Conflicts, and Migration Contexts

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Moderator: Heather Walsh-Haney, PhD

Co-Moderator: Amanda Walker, BS

2:45 pm—3:00 pm	<b>A178</b>	<b>A Look at the Disaster Response to Hurricane Katrina: How Far Have We Come in 20 Years?</b> Gina Hart, MA*; Julia Powers, MA; Ryan Siedemann, PhD
3:00 pm—3:15 pm	<b>A179</b>	<b>When Men Are Prey: Melee Skeletal Trauma Patterns From the 1921 Tulsa Graves Investigation</b> Phoebe Stubblefield, PhD*; Angela Berg, MA; Heather Walsh-Haney, PhD; Arion Mayes, PhD; Sheridan Lea, MSc
3:15 pm—3:30 pm	<b>A180</b>	<b>A Preliminary Examination of the Evidentiary Value of Trauma to Individual Skeletal Elements in Distinguishing Between Circumstances of Death</b> Maria Nektaria Antoniou, LLM, MS*; Nicholas Marquez-Grant, PhD; Rick Schulting, PhD
3:30 pm—3:45 pm	<b>A181</b>	<b>Necrosilences of the Central Mediterranean: A Preliminary Exploration of Differential Treatment Within the Medicolegal Systems of Tunisia &amp; Malta in Their Responses to Missing &amp; Deceased Migrant Cases</b> Skylar Joseph, MS*
3:45 pm—4:00 pm	<b>A182</b>	<b>WITHDRAWN</b>
4:00 pm—4:15 pm	<b>A183</b>	<b>The Forensic Identification of Semi-Skeletonized Remains in Ukraine: A Case Study</b> Laura Donato*; Marta Garaziuk, MD; Douglas H. Ubelaker, PhD; Michele Treglia, MD; Luigi Tonino Marsella, MD; Mahmoud Mohammed Zalat, PhD
4:15 pm—4:30 pm	<b>A184</b>	<b>Reducing Identification Timelines in South Texas: Assessing the Impact of Postmortem Fingerprinting on Medicolegal Bottlenecks</b> Mackenzie Murray, BS*; Molly Kaplan, PhD; Kate Spradley, PhD; Courtney Siegert, PhD; Victoria Swenson, PhD; Valerie Arroyo, BA