TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Daniel J. Wescott, Professor of Anthropology and Director of the Forensic Anthropology Center at Texas State (FACTS)

B. Educational Background

Doctor of Philosophy, 2001, University of Tennessee-Knoxville, Anthropology (Biological), *Structural Variation in the Humerus and Femur in the American Great Plains and Adjacent Regions: Differences in Subsistence Strategy and Physical Terrain*
Master of Arts, 1996, Wichita State University, Anthropology, *Effect of Age on Sexual Dimorphism in the Adult Cranial Base and Upper Cervical Region*
Bachelor of Arts, 1994, Wichita State University, Anthropology with minors in Biology and Chemistry, *Magna Cum Laude*

C. University Experience

Professor: Department of Anthropology, Texas State University, September 2017 - present
Associate Professor: Department of Anthropology, Texas State University, September 2011 – August 2017 (Tenure: September 1, 2014)
Senior Lecturer: Department of Biological Sciences, Florida International University, August 2010 – May 2011
Lecturer: Department of Biological Sciences, Florida International University, August 2009 – August 2010
Faculty: International Forensic Research Institute, Florida International University, May 2010 – May 2011
Research Associate: Department of Anthropology, Florida Atlantic University, January 2010 – May 2011
Associate Professor: Department of Anthropology, University of Missouri-Columbia, May 2009 (Tenure: May 2009)
Assistant Professor: Department of Anthropology, University of Missouri-Columbia, August 2003 – May 2009
Visiting Assistant Professor: Department of Anthropology, University of Missouri-Columbia, August 2002 – May 2003
Visiting Instructor: Department of Anthropology, University of Nebraska-Lincoln, January – May 2002
Graduate Teaching Associate: Department of Anthropology, University of Tennessee-Knoxville, August 2000 – May 2001
Laboratory Instructor: Department of Pathology and Anatomical Sciences, University of Missouri-Columbia, Summer 1999
Instructor: Department of Natural Sciences, Pellissippi State Technical Community College, August 1998 – May 1999

Gross Anatomy Laboratory Instructor: Department of Health Sciences, Wichita State University, August 1991 – May 1996

D. Relevant Professional Experience

Center Director: Forensic Anthropology Center at Texas State, Texas State University, September 2011 – present

Laboratory Director: Human Skeletal Identification Laboratory, University of Missouri, August 2003 – May 2009

Skeletal Analyst: Missouri State Historical Preservation Office, Department of Natural Resources, Jefferson City. Project: Inventory and analysis of human skeletal remains curated by the Missouri Department of Natural Resources, August 2002 – May 2009

Graduate Research Assistant: Department of Anthropology, University of Tennessee-Knoxville, Director: Dr. Richard Jantz, August 1997 – May 2000

Consultant Physical Anthropologist: Rock Island Cultural Resource Solicitation DACW25-97-R-005, American Resources Group, Carbondale, IL 62901, 1998 – 2000

Researcher: Project: Multifactorial age estimation, Principal Investigator: Dr. Lyle Konigsberg, Summer 1998

Supervisor: Biological Anthropology Laboratory, Department of Anthropology, Wichita State University. 1998 – 2000. Project: Charged with assisting in the maintenance, analysis, and supervision of skeletal collections. Responsibilities also included supervising work-study students and assisting the director in medicolegal investigations. Director: Dr. Peer Moore-Jansen

Researcher: Department of Anthropology, Wichita State University, Summer 1995. Project: Denuding and degreasing techniques for fixed and fresh bone. Principal Investigator: Dr. Peer Moore-Jansen

Research Assistant: Department of Health Professions, Wichita State University, 1994. Project: Dietary modulation of colon cancer in mice fed lactoferrin. Principal Investigator: Dr. John Carter

Research Assistant: Department of Health Professions, Wichita State University, 1992-1993, Project: Dietary modulation of colon adenocarcinoma in NSA (CF-1) mice fed varying levels of zinc. Principal Investigator: Dr. John Carter

Research Assistant: Department of Anthropology, Wichita State University, 1991, Project: Comparative anatomy of the orangutan. Principal Investigators: Dr. Peer Moore-Jansen and Susan Orsbon

Assistant Osteologist: Department of Anthropology, Wichita State University, 1990, Project: Osteological investigation of skeletal remains from the Kansas State Historical Society. Principal Investigator: Dr. Peer Moore-Jansen

Research Assistant: Department of Anthropology, Wichita State University, 1990, Project: Osteological investigation of human radii for prosthesis development. Principal Investigators: Dr. Ganesh Gupta and Dr. Peer Moore-Jansen

Assistant Osteologist: Department of Anthropology, Wichita State University, 1990, Project: Osteological investigation of human burials from the Buried City Site (41OC1), Olciltree County, Texas. Principal Investigator

Archaeology Assistant: City Archaeologist's Office, Wichita State University, 1989-1994, Projects: Responsibilities include conducting archaeological reconnaissance surveys and surface collection

Field Assistant: Department of Anthropology, Wichita State University, 1990, Project: Excavation and recovery of human skeletal material at the Buried City Site (41OC1), Olchiltree County, TX. Principal Investigator: Dr. David Hughes

Crew Chief: Department of Anthropology, Wichita State University, Summer 1990, Project: Waconda Lake Archaeological Project, Glen Elder State Park, KS. Principal Investigator: Dr. Donald Blakeslee

Assistant Crew Chief: Department of Anthropology, Wichita State University, Summer 1989, Project: Waconda Lake Archaeological Project, Glen Elder State Park, KS. Principal Investigator: Dr. Donald Blakeslee

Archaeology Surveyor: Department of Anthropology, Wichita State University, 1989, Project: Enron Gas Company pipeline survey, Oklahoma. Principal Investigator: Dr. David T. Hughes

Crew member: Department of Anthropology, Wichita State University, Summer 1989, Project: Field School at Haley's Point (34MR11), Oklahoma. Director: Dr. David T. Hughes

E. Other Professional Credentials (licensure, certification, etc.)

Digital Radiology and Basic Computed Tomography per Industry Requirements Training Certificate, 2014

Advanced Computed Tomography Training Certificate, 2016

II. TEACHING

A. Teaching Honors and Awards:

Recipient: Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society, Texas State University, Fall 2019.

Nominee: Mariel M. Muir Excellence in Mentoring Award, Texas State University, 2016.

Recipient: Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society, Texas State University, Fall 2014.

Recipient: Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society, Texas State University, Fall 2013.

Recipient: Graduate Professional Council *Gold Chalk Award* for dedication and service to the advancement of graduate student education, April 2008.

Nominee: University of Missouri *Provost's Outstanding Junior Faculty Teaching Award*, 2005.

B. Courses Taught:

1. Anthropology

a. *Texas State University*: 2011-current

Human Osteology (3381)
Methods in Skeletal Biology (4382)
Human and Primate Origins / Paleoanthropology (3340/5340)
Seminar in Forensic Anthropology (5321)
Skeletal Methods II (5373F)
Seminar in Biological Anthropology (5312)
Proposal Writing (7344)

b. *University of Missouri*: 2002-2008
Introduction to Biological Anthropology
Human Biology and Life History
Forensic Anthropology
Skeletal Biology
Human Biological Variation
Human Skeletal Identification and Analysis
Seminar in Physical Anthropology

c. *University of Nebraska*: 2002
Medical Anthropology
Introduction to Biological Anthropology
Advanced Physical Anthropology

d. *University of Tennessee*: 1999-2001
Principles of Biological Anthropology
Human Osteology

2. Biology

a. *Florida International University*: 2009-2011
Evolution
Human Biology
Human Evolutionary Morphology
Forensic Osteology
Fundamentals of Human Physiology,

b. *Pellissippi State Technical Community College*: 1998-1999
Anatomy and Physiology I

3. Anatomy

a. *Wichita State University*: 1991-1996
Clinical Anatomy
Gross Anatomy
Head and Neck Anatomy

b. *University of Missouri*: 1999
Gross Anatomy

C. Graduate Theses/Dissertations, Honors Theses, or Exit Committees:

Ph.D. Dissertations Chaired/Co-Chaired
Theresa De Cree (2022 – present). Texas State University
Stephanie Baker (2022 – present). Texas State University

ChristiAna Dunham (2021-present). "The Effects of Activity Level and Obesity on Bone Microstructural Properties and Their Utilization in Forensic Identification." Texas State University

Shelby Garza (2020 – present). "Cortical and Trabecular Bone Structural Variation in Association with Known Activity Patterns." Texas State University

Devora Gleiber (2018- present), "Detection and Diagnosis of Mobility Impairment via Cortical and Trabecular Bone Properties to Aid in the Identification of Individuals in a Medicolegal Context", Texas State University

Stephanie Child (2007-2017), "Femoral Angles and Their Correlations," University of Missouri, (co-supervisor)

Stephanie Golda (2008-2015), "Intrinsic Properties of Bone as Predictors of Differential Survivorship," University of Missouri (co-supervisor)

David McBride (2007), "Longitudinal Assessment of Age-Related Change in the Dental Pulp Chamber and Age Estimation Using Dental Radiographs, University of Missouri (co-supervisor)

Ahmad Abu Dalou (2007), "The Validity of Morphological Features and Osteological Markers in Reconstructing Habitual Activities", University of Missouri (co-supervisor)

Ph.D. Dissertations – Committee Member

Kara Adams (2023) "The Effect of Clothing on Decomposition and Scavenging in Two Forensic ally Significant Habitats in Cape Town, South Africa." University of Cape Town, Department of Human Biology (External Reviewer)

C. Kinley Russel (2022-present) "Morphological and Microstructural Variation in the Menisci and Proximal Tibia of the Human Knee" John Hopkins Medicine, Functional Anatomy and Evolution

Maximilian Spies (2022) "The Effect of Clothing and Carrion Biomass Load on Decomposition and Scavenging in a Forensically Significant Thicketed Habitat in Cape Town, South Africa." University of Cape Town, Department of Human Biology (External Reviewer)

Jose Sanchez (2021) "Tracking Them All: Exploring Age-Related Variation in Sexual Dimorphism of the Human Pelvis. University of Manitoba, Department of Anthropology. (External Reviewer)

Robin Stubbs (2020-present) TBA, Florida International University, Department of Biological Sciences

Petra Banks (2020-present) TBA, Texas State University, Department of Anthropology

Jennifer Barron (2020-2023) "Investigating the Research Gap Between Bioethics Theory and Practice within the US Historic Skeletal Remains Collections," Texas State University, Department of Anthropology

Justin Goldstein (2020-2023) "Linking Cortical Bone Microstructure and Physiological Stressors through Multilevel Modeling to Aid the Identification Process for Long-Term Unidentified Casework," Texas State University, Department of Anthropology

Mariah Moe (2020-present) "Finding the Missing and Unidentified: The Application of Predictive Modeling, Ground-Penetrating Radar, and Small Unmanned Aircraft-Mounted Infrared Imagery for the Detection of Unmarked Graves," Texas State University, Department of Anthropology

Sophia Mavroudas (2019-2023) "An Exploration of Histological Variation in the Human Rib: Applications for Age Estimation in Applied Anthropology," Texas State University, Department of Anthropology

Mark Beary (2018), "Fluctuating Asymmetry as a Measure of Developmental Instability in Arikara Bioarchaeological Assemblages." University of Missouri, Department of Anthropology

Sarah Jantzi (2013), "Forensic Analysis and Comparison of Soil and Bone by Laser-Based Elemental Analysis Techniques," Florida International University, Department of Chemistry

Matthew Rhodes (2006), "Habitual Subsistence Practices among Andean Populations," University of Missouri

Margaret Streeter (2005), "Histomorpometric Characteristics of the Subadult Rib Cortex," University of Missouri

MA Theses - Chaired

Lindsay Carnahan (2023 – present), "TBD" Texas State University

Emily Erwin (2023 – present), "TBD" Texas State University

Amariah Trevino (2023 – present), "TBD" Texas State University

Marissa Vasquez (2023 – present), "TBD" Texas State University

Blake Frow (2022 – present), "Effects of Season and Year of Death on Decomposition," Texas State University

Eliana Gutierrez (2022 – present), "Evaluating the Megyesi Scoring Method on People of Color," Texas State University

Tessa Herbert (2022 – present), "Sex Differences in the Effect of Obesity on Femur Morphology," Texas State University

Paige Jackson (2022 – present), "Effects of Obesity on Decomposition by Measuring Mass Loss Percentage and Postmortem Interval Estimation," Texas State University

Steve Seddig (2022 – present), "Examining the Correlation between Ambient Temperature and Body Surface Temperature During Room Fire and Car Fire Experiments," Texas State University

Jessica Burden (2021-2023), "Assessing the Applicability of the Revised Fully Anatomical Stature Estimation Method to Contemporary Forensic Contexts."

Lauren Young (2021-2023), "Examining the Effect of Opioids on Decomposition Rates Using Total Body Scoring and Insect Scavenger Colonization in Central Texas."

Sean Haynes (2020-2022), "Effects of Chemotherapy on Bone Density in a Post-Mortem Context"

Naomi Levin (2018-2020), "Effect of Decomposition and Processing on Radiographic Detection of Gunshot Defects"

Ariel Spaulding (2018-2020), "Differential Decomposition of Remains in Shallow Burials in a Humid Subtropical Environment: A Validation of the Megyesi PMI Method"

Tamara Tyner (2018-2020), "Validating Isoscaping Methods: A Study of Hydrogen, Oxygen, Strontium, and Sulfur:

Krysten Cruz (2017-2019), "Resolution of Human Commingled Assemblages: Tali and Calcanei"

Laney Feeser (2017-2019), "Rib Fracture Analysis of Infant Cardiopulmonary Resuscitation Methods Using Porcine Surrogates"

Shelby Garza (2017-2019), "The Effects of Labor on the Biomechanical Properties of the Femora and the Humeri in the 19th and 20th Centuries"
Hanna Holley (2016-2018), "Environmental Effect on Pattern and Rate of Mummification in Different Climatic Zones," Texas State University
Chaunesey Clemmons (2015-2020), "Ancestry Estimation of Biracial Individuals Using Dental Morphological Traits," Texas State University
Dorothy Riegert (2015-2018), "Diachronic Trends in Linear Enamel Hypoplasia at the Maya Sites of Colha, La Milpa, and Dos Hombres," Texas State University,
Jessica Galea (2015-2018), "Relationship between Pelvic Scars and Pelvic Microstructure," Texas State University
Krystle Lewis (2015-2018), "The Effect of Clothing on Vulture Scavenging and Spatial Distribution of Human Remains in Central Texas," Texas State University
Devora Gleiber (2014-2017), "The Effect of Mobility Impairment on Femoral Cortical and Trabecular Bone Structure," Texas State University
Chloe McDaneld (2014-2016), "The Effect of Plastic Tarps on the Rate of Human Decomposition." Texas State University
Lauren Meckel (2014-2016), "The Utility of Dental Cementum Increment Analysis for Estimating Season of Death in Naturally Decomposed Skeletons." Texas State University
Marilyn Isaacks (2013-2015), "The Use of Near-Infrared Remote Sensing in the Detection of Clandestine Human Remains." Texas State University
Cassie Skipper (2013-2015), "Analyzing Biological Relatedness of Individuals from a Late 1800s Missouri Cemetery," Texas State University
Lennon Bates (2012-2014), "Comparison of Decomposition Rates between Autopsied and Non-Autopsied Human Remains in Central Texas. Texas State University
Margaret Zywicki (2012-2014), "A Study of the Predictability of Rib Fracture Patterns Based on Three Different Modes of Fracture." Texas State University
Kelsee Hentschel (2012-2014), "Postmortem Fracture Surface Topography: An Investigation into Differentiating Perimortem and Postmortem Long Bone Blunt Force Trauma Fractures." Texas State University
Maureen Purcell (2011-2013), "Sex Differences in the Femur: A Biomechanical Analysis with Forensic Significance." Texas State University
Frye, Alexandria (2011-2013). "Reduction of Fleshed *Sus scrofa domesticus* Remains Using a Woodchipper: Skeletal Trauma and Distribution Patterns," Texas State University
Harrington, Katherine (2011-2013). "Secular Change in Knee Joint Size and Shape," Texas State University
Knobbe, Sharon (2007-2010). "Reconstructing Activity Patterns in Prehistoric Jomon People using Long Bone Cross-Sectional Geometry," University of Missouri
Melissa Baier (2006-2009), "A Biological Distance Study of Steed-Kisker Origins," University of Missouri
Melissa Anderson (2005-2008), "Estimation of Age-At-Death Using the Sugeno Fuzzy Integral," University of Missouri
Danielle Miller (2004-2006), "Estimating the Perimortem Interval: Correlation between Bone Moisture Content and Blunt Force Trauma Characteristics," University of Missouri
Chet Savage (2002-2005), "Lumbosacral Transitional Vertebrae: Classification of Variation and Associated Lower Back Pain," University of Missouri.

MA Theses – Committee Member

Zoe Hayes (2022-2023). "A Study of the Epinecrotic Communities, Soil Microbial Communities, and Necrobiome in Gravesoil Under Cadavers Associated with SARS-CoV-2. Department of Forensic Science, Alabama State University.

Ameillia Konda (2021-2023). "Exploring and Developing Population Affinity Methods for Asian Americans." Texas State University

Victoria Soto (2021-2023). "The Utility of Antemortem Trauma in Positive Identification of Unidentified Human Remains of Presumed Migrants." Texas State University

Kaitlyn McKenna (2021-2023). "Frailty in Middle to Late Bronze Age and Early Iron Age Subadults in Central Greece. Texas State University

Ruben Reyes (2021-2023). "Relationship between Asymmetrical Bipedal Locomotion and Lumbar Vertebral Pathology." University of Houston

Druonna Collier (2021-2022), "Assessment of Fluctuating Asymmetry Profiles between Historic and Modern African American Populations." Texas State University

Tatiana Hargrove (2021-2022), "Keep Calm and Carrion: The Signs of Vulture Scavenging on Human Remains and the Landscape." Texas State University

Emma Giacomello (2020-2022) "The Impact of Fat on Decomposition Rate and Postmortem Interval Estimation." Texas State University

Stephanie Mundine (2019-2021), "Assessing Frailty and Chronic Disease in Modern Human Skeletal Remains." Texas State University

Fatimah Bouderdaben (2019-2022), "Variation in the Pelvis Across Populations: A Geometric Morphometric Analysis" Texas State University

Nathan Blair (2019-2021) "Non-traditional Interlandmark Distances as a Modern Ancestry Estimation Method." Texas State University

Alexis Baide (2019-2021), "Exploring the Effect of Diabetes Mellitus on Isotopic Ratios"

Ivanna Robledo (2019-2021), "Craniometric Analysis of South American Samples to Aid in Migrant Identification" Texas State University

Hailey Collord-Stalder (2018-2020), "Digital Microscopic Methods for Sharp Force Trauma in Buried Human and Nonhuman Remains" Texas State University

Jacob Cook (2017-2019), "Exploring Age Related Changes in Cortical Bone in Elderly Individuals Using Radiographs," Texas State University

Kari Helgeson (2017-2019), "Ancestry Estimation of Latin American Individuals using Craniometric Data." Texas State University

Lauren Ratliff (2017-2019), "Evaluating Diffuse Idiopathic Skeletal Hyperostosis in the Texas State University Donated Skeletal Collection." Texas State University

Kathleen Flor-Stagnato (2016-2018), "Validating Structure of Motion for Use in Commingled Mass Graves." Texas State University

Susan Sincerbox (2016-2018), "Accumulated Degree Days and the Timing of Bloat and Purge in Central Texas," Texas State University

Elaine Chu (2016-2018), "Body Mass Estimation: Preliminary Population Specific Equations for South Texas Migrant Hispanics and an Evaluation of Geographic Variation within a Population," Texas State University.

Autumn Lennartz (2016-2018), "Assessing Patterns of Moisture Content of Desiccated and Mummified Remains," Texas State University

Justin Demere (2015-2018), "Differential Decomposition Rates of Refuse Covered Human Remains." Texas State University
Audrey Schaefer (2015-2017), "Quantitative Method of Assessing Age at Death Based on the Rib." Texas State University
Nandar Yukyi (2015-2017), "Craniometric Variation of Modern Asian and Hispanic Individuals Using Mutlivariate Analysis" Texas State University
Justin Pyle (2014-2016), "Assessment of Behrensmeyer's Weathering Stages and Their Usefulness for Estimating the Postmortem Interval in Human Remains in Central Texas." Texas State University
Alexis Goots (2014-2016), "Cranial Base Height as an Indicator of Developmental Stress in Native Mexican and American-Born Mexican Populations," Texas State University
Melinda Knowles (2014-present), "Colon Pollen to Determine Identity of Ingested Pollen," Texas State University
James Fancher (2013-2015), "Evaluation of Soil Chemistry in Human Decomposition Sites." Texas State University
Rachel Canfield (2012-present), "Osteometric Sorting: Does the Scale of a Commingled Event Matter?" Texas State University
Hailey Duecker (2012-2014), "Cranial Sexual Dimorphism in Hispanics." Texas State University
Reina Garcia (2011-2015), "Brachial and Crural Indices of Modern North American Populations." Texas State University
Phalen, Katherine (2011-2013). "Assessing the Effects of Clothing on Human Decomposition Rates in Central Texas. Texas State University
Gabrielle Lavallo (2011-2013), "Variation in Non-Metric Traits of the Pelvis Between Whites, Blacks, and Hispanics." Texas State University
Hilary Martinez (2011-2013), "I Don't Need It. You Can Have It: Motivations for Whole Body Donation." Texas State University
Amy Sears (2011-2013), "Decomposition in Central Texas and Validity of a Universal Postmotem Interval Formula." Texas State University
Katherine Taylor (2011-2013), "Sex Assessment from Carpal Measurements: Discriminant Function Analysis in a Contemporary American Sample." Texas State University, May 2013
Jessica Drew (2010), "Does Obesity Affect the Accuracy of Age-at-Death Estimation Using Pubic Symphysis and Auricular Surface?" Florida Atlantic University
Mary Jo Marquardt (2007), "The Functional Morphology of the Hominoid Talocrural Joint," University of Missouri
Katherine Barker (2006), "The Functional Morphology of the Hominoid Clavicle, University of Missouri
Faydre Paulus (2005), "Determining the Relations among Canine Crown Height, Crown and Root Basal Diameters, and Root Length: Implications for the Hominin Fossil Record, University of Missouri
Justin Kahn (2004), "Economic Dependence: A Study in Osage-American Trade Relations (1803-1825), University of Missouri

Undergraduate Research Honors Theses and Internship Projects - Chaired

Jewels Beltran (2023). Human and nonhuman bone photography. Internship project, Spring 2023.
Hannah Stottlemyre (2023). Femora 3D scanning project. Internship project, Spring 2023.
Brianna San Miguel (2023). Femora 3D scanning project. Internship project, Spring 2023.
Ella Shockley (2023). Femora 3D scanning project. Internship project, Spring 2023.
Rylee Vrana (2023). Femora 3D scanning project. Internship project, Spring 2023.
Alyssa Estupinan (2023). Femora 3D scanning project. Internship project, Spring 2023.
Jewels Beltran (2022). Skeletal 3D surface imaging. Internship project, Fall 2022.
Sarah Evans (2022). Nonhuman skeletal remains processing. Internship project, Fall 2022.
Molly Scott (2022). Nonhuman skeletal remains processing. Internship project, Fall 2022.
Hannah Yetter (2022). Grady Early Building exhibits. Internship project, Fall 2022.
Ivory Mazyck (2022). Effects of Obesity on the Talus Bone. Honors Thesis, Texas State University.
Grace Smith (2022). Creation of 3D bone animations. Internship project, Spring 2022.
Aaryn Arnold (2022). Variation in Vertebral Measurements. Internship project, Spring 2022.
Andrea Borchert (2021). Evaluation of Arthritis, DISH, and Heal Spurs in Obese Individuals." Internship project Fall 2021.
Elianna Gutierrez (2021). "Decomposition Rates in Burned Bodies," Internship project Spring 2021.
Allyssa Gonzales (2020) "Predicting Body Mass using Hip Breadth and Stature." Internship project Fall 2020
Alyson Pralle Peterson (2020) "Skeletal Markers of Obesity". Internship project Spring 2020
Christine Puebla (2017) "Fluctuation in External Body Temperature During the Day of Decomposing Human Remains" Internship project
Shelby Garza (2016), "Differences in Decomposition Rate between Previously Frozen and Never Frozen Human Remains," Undergraduate Internship, Department of Anthropology, Texas State University, Summer semester
Simone Longe (2015), "Estimation of the Postmortem Interval Using Skin Moister Content," Internship, Department of Anthropology, Texas State University, Spring semester
Lauren Torres (2015), "Investigating Seasonality in Decomposition Rates in Central Texas Based on Accumulated Degree Days," Internship, Department of Anthropology, Texas State University, Spring semester
Megan Veltri (2014), "3D Printing to Document Skeletal Variation," Undergraduate Internship, Department of Anthropology, Texas State University
Chrissy White (2013), Forensic Anthropology Center at Texas State Undergraduate Internship, Spring semester
Hilary Martinez (2012), Forensic Anthropology Center at Texas State Graduate Internship, Summer and Fall semesters
Chloe McDaneld (2012), Forensic Anthropology Center at Texas State Undergraduate Internship, Fall semester
Nichole Troutman (2012), Forensic Anthropology Center at Texas State Undergraduate Internship, Spring semester
Gabrielle Martinez (2012), Forensic Anthropology Center at Texas State Undergraduate Internship, Spring semester
Hailey Duecker (2011), Forensic Anthropology Center at Texas State Undergraduate Internship, Fall semester

Michael Moramarco (2008), "Investigation into the Health and Activity Patterns of the Shiloh Methodist Community." Arts and Science Undergraduate Mentorship Program, University of Missouri, 2008 (co-supervisor)
Tamela Smith (2007), "Sexual Dimorphism in Cranial Size among a Mississippian Population," University of Missouri
Jonathan Barnes (2005), "Sex Determination of Mississippian Skeletal Remains from Humeral Measurements," University of Missouri
Deepa Srikanta (2004), "Assessing Ancestry using Femur Subtrochanteric Shape Revisited: Testing the Assumptions of the Gilbert and Gill Method," University of Missouri
Sara Bekemeyer (2003) – Differences in Femoral Strength between Equestrian and non-Equestrian Native Americans from the Great Plains," University of Missouri

Undergraduate Research Honors Theses and Projects - Member
Kristen Fuld (2006), "Changing Missouri Projectile Point Morphology Through Time: A Performance Analysis of the Verkamp Shelter, Honors Thesis, University of Missouri
Adam Wiewel (2004), "Disease at the Campbell Site, Honors Thesis, University of Missouri
Ann Holden (2003), "Relationship Between Diaphyseal and Metaphyseal Shape, Honors Thesis, University of Missouri
Thierra Nalley (2003), "The Effects of Epiphysis Shape on Femoral Diaphyseal Proportions in Hominoids, Honors Thesis, University of Missouri

D. Courses Prepared and Curriculum Development:

1. Courses Prepared – See courses taught
Proposal Writing (Texas State University)

2. Curriculum Development
Human Growth and Development (Texas State University)
Seminar in Biological Anthropology (Texas State University)
Human Biology and Life History (University of Missouri)
Forensic Anthropology (University of Missouri)
Human Evolutionary Morphology (Florida International University)
Evolution (Florida International University)
Forensic Osteology (Florida International University)

E. Funded Internal Teaching Grants and Contracts:

Educational Technology at Missouri Academic Transformation Grant. 2003-2004 academic year. Academic transformation of Anthropology 149/150. PI: Carol V. Ward, Co-I: Lisa Sattenspiel and **Daniel Wescott**. $4000 awarded

F. Other:

Student Accomplishments
Fellowship, Shelby Garza (PhD) (Mentor). Doctoral Research Support Fellowship, Texas State University. 2022

Fellowship, Stephanie Baker (PhD) (Mentor). Doctoral Merit Fellowship, Graduate College, Texas State University 2022-2023

Fellowship, Tessa Herbert (MA) (Mentor). Graduate Merit Fellowship 2022-2023

Visiting Scientist, Gleiber, Devora (PhD) (Mentor). Visiting Scientist Program, Office of Chief Medical Examiner in New York City. 2021

Fellowship, Tyner, Tamera (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "Validating isoscaping methods: a study of hydrogen, oxygen, strontium, and sulfur." 2019. Anthropology, Texas State University

Fellowship, Spaulding, Ariel (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "Differential decomposition of remains in shallow burials in a human subtropical environment: a new method for estimating the postmortem interval." 2019. Anthropology, Texas State University

Fellowship, Levin, Naomi (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "Validation of radiopaque materials to detect gunshot defects: effects of decomposition and macerateion." 2019. Anthropology, Texas State University

Fellowship, Garza, Shelby (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "The effect of labor on the biomechanical properties of the femora and humeri in the 19th and 20th centuries." Completed (2018). Anthropology, Texas State University

Fellowship, Feeser, Laney (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "Rib fracture analysis of infant cardiopulmonary resuscitation methods using pig surrogates." Completed (2018). Anthropology, Texas State University

Grant, Garza, Shelby (MA). (Mentor). Forensic Science Foundation Student Travel Grant American Academy of Forensic Sciences. Completed (February 2019). Anthropology, Texas State University

Grant, Garza, Shelby (MA). (Mentor). Forensic Science Foundation Student Travel Grant. American Academy of Forensic Sciences. Completed (February 2018). Anthropology, Texas State University

Award, Galea, Jessica (MA). (Mentor). American Association of Physical Anthropology's Pollitzer Travel Award. "Why the AAPA should change to the AABA." Completed (February 2017). Anthropology, Texas State University

Fellowship, Holley, Hanna (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "The environmental effect on mummification in Texas and Colorado." Completed (2017). Anthropology, Texas State University

Fellowship, Longe, Simone (MA). (Mentor). Graduate College Graduate Merit Fellowship. Completed (March 2017). Anthropology, Texas State University

Grant, Clemmons, Chaunesey (MA). (Mentor). Forensic Science Foundation Acorn Research Grant. "Ancestry estimation of biracial individuals using dental morphological traits. Completed (2016). Anthropology, Texas State University

Paper, Longe, Simone (BA). (Supervisor). Texas State Undergraduate Research Conference. "Estimation of the postmortem interval using mummified tissue of human remains." Completed (April 2016). Anthropology, Texas State University

Paper, Lewman, Jordon (BA), Veltri, Megan (BA). (Supervisor). "The effect of obesity and diabetes on diffuse idiopathic skeletal hyperostosis." Undergraduate Research Symposium, American Association of Physical Anthropologists (April 2016). Anthropology, Texas State University

Paper, Veltri, Megan (BA), Lewman, Jordon (BA). (Supervisor). "New approaches to measuring diffuse idiopathic skeletal hyperostosis." Undergraduate Research Symposium, American Association of Physical Anthropologists (April 2016). Anthropology, Texas State University

Paper, Skipper, Cassie (MA). (Mentor). "Evaluating elongated pubic bones as a potential sex method for juveniles." American Academy of Forensic Sciences (February 2016). Anthropology, Texas State University

Paper, Skipper, Cassie (MA), Isaacks, Marilyn (MA). (Mentor). "A reassessment of Walker cranial non-metric traits on undocumented border crossers along the south Texas border," American Academy of Forensic Sciences (February 2016). Anthropology, Texas State University

Award, Meckel, Lauren (MA). (Mentor). College of Liberal Arts Outstanding Graduate Student. Completed (2016). Anthropology, Texas State University

Grant, Meckel, Lauren (MA). (Mentor). Forensic Science Foundation Travel Grant. American Academy of Forensic Sciences. Completed (February 2015). Anthropology, Texas State University

Fellowship, Meckel, Lauren (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "The utility of dental cementum increment analysis for estimating season of death in naturally decomposed skeletons." Completed (2015). Anthropology, Texas State University

Fellowship, McDaneld, Chloe (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "The effect of plastic tarps on the rate of human decomposition during the spring/summer in central Texas." Completed (2015). Anthropology, Texas State University

Fellowship, Gleiber, Devora (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "The effect of disuse on bone structure of mobility impaired individuals." Completed (2015). Anthropology, Texas State University

Scholarship, Meckel, Lauren (MA) (Mentor). Celebrity Classic Endowed Scholarship. Completed (2015). Anthropology, Texas State University

Award, Bates, Lennon (MA). (Mentor). College of Liberal Arts Outstanding Graduate Student. Completed (2014). Anthropology, Texas State University

Fellowship, Bates, Lennon (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. " ". Completed (2014). Anthropology, Texas State University

Scholarship, Bates, Lennon (MA). (Mentor). College of Liberal Arts Scholarship, "Comparison of decomposition rates between autopsied and non-autopsied human remains in central Texas. Complete (2013). Anthropology, Texas State University

G. Teaching Professional Development Activities Attended:

Teaching Critical Thinking Skills Across the Curriculum: Broadcast Program, Office of Academic Development and Assessment, Texas State University, October 16, 2015

Team Base Learning Workshop, Hosted by the Office of Global Learning Initiatives, Florida International University, May 25 and 26, 2010

Global Learning Course Development Workshop, Hosted by the Office of Global Learning Initiatives, Florida International University, May 6 and 13, 2010

Difficult Dialogues Faculty Development Program, Hosted by the Difficult Dialogues Program, University of Missouri-Columbia, 2006 – 2007 (One-year program designed to allow faculty to learn to respond to and encourage deliberative dialogue, conflict resolution, and interactive literacy in the classroom)

New Faculty Teaching Scholars (NFTS), Hosted by the Program for Excellence in Teaching, University of Missouri-Columbia, 2003 – 2004, (One-year program designed to help enhance teaching and networking with colleagues, Includes three system-wide retreats/conferences and four campus-based activities)

Teachnology, Hosted by Educational Technologies at Missouri (ET@MO), University of Missouri-Columbia, July 7 – 11, 2003 (One-week program where faculty learn about and explore educational technology hardware and software in a hands-on learning environment)

Teaching Renewal Conferences, Hosted by the Program for Excellence in Teaching at the University of Missouri-Columbia, 2000, 2003, 2004 (The sessions I attend primarily concentrated on teaching styles but also included advising, testing, and academic honesty)

GTA Mentoring Program, University of Tennessee, Knoxville, TN, August 1998 to May 1999 (Mentor: Dr. Bill Dune, Head, Department of Geology, University of Tennessee; The GTA Mentoring Program provides graduate students with an avenue for the discussion of teaching principles and philosophies)

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (if not refereed, please indicate)

d. Chapters in Books:

Wescott, Daniel J., Gene Robinson, Derek T. Anderson, Bryce Murray. 2023. Unmanned aerial systems for the search and documentation of clandestine remains. In: Ross A, Byrd J (Eds), *Methodological and Technological Advances in Forensic Science: Application and Case Studies*. [invited; in press]

Mavroudas, Sophia R. and **Daniel J. Wescott**, 2022. Outdoor taphonomic research facilities. *Encyclopedia of Forensic Sciences*, 3rd ed, Volume 4, Pages 44-54 [invited].

Nienaber, Coen, Shari L. Forbes, Melissa Connor, **Daniel J. Wescott**, Jodie Ward, Dawnie W. Steadman, Kerri L. Colman. 2022. Forensic Taphonomy. *Encyclopedia of Forensic Sciences*, 3rd ed, Volume 2, Pages 700-711 [invited].

Mickleburgh, Hayley L., **Daniel J. Wescott**, Sarah Gluschitz, M. Victor Klinkenburg. 2022 Exploring the use of actualistic forensic taphonomy in the study of (forensic) archaeological human burials: an actualistic experiment research programme at the Forensic Anthropology Center at Texas State University (FACTS). In: C.J. Knüsel, E.M.J. Schotsmans (Eds.), *The Routledge Handbook of Archaeothanatology*, Routledge, Abingdon, pp. 542-562.

Wescott, Daniel J. 2019**.** Biomechanical analysis of long bones provides the crucial break in decedent identification. In: *Case Studies in Forensic Anthropology: Bonified Skeletons*, edited by Heather Garvin and Natalie Langley. CRC Press [Chapter 4].

Wescott, Daniel J. 2018. The forensic anthropologist as broker for interdisciplinary taphonomic theory. In: CC Boyd DC Boyd (eds*.). Forensic Anthropology: Theoretical Framework and Scientific Basis*. New York: Wiley, pp. 251-270.

Aitkenhead-Peterson, Jacqueline A., Michael B. Alexander, Joan A. Bytheway, David O. Carter, **Daniel J. Wescott**. 2015. Application of Soil Chemistry in Forensic Entomology. In Jeffery K. Tomberlin and M. Eric Benbow (eds.) *Forensic Entomology: International Dimensions and Frontiers*, Boca Raton: CRC Press, pp. 283-296.

Wescott, Daniel J. 2014. Reconstructing habitual activities by biomechanical analysis of long bones. In D. Owsley and R. Jantz (editors), *Kennewick Man: Scientific Interpretation of an Ancient American Skeleton*, College Station: Texas A&M Press, pp. 232-248.

Wescott, Daniel J. 2014. The relationship between long bone shape and terrestrial mobility patterns. In Kristian Carlson and Damiano Marchi (editors), *Reconstructing Mobility: Environmental, Behavioral and Morphological Determinants*, New York: Springer, pp. 111-132.

Wescott, Daniel. J. 2013**.** Biomechanics of bone trauma. In J. Siegel and P. Saukko (eds.) *Encyclopedia of Forensic Sciences*, 2nd edition. New York: Elsevier, pp. 83-88.

Wescott, Daniel J. and Richard L. Jantz. 2005. Assessing craniofacial secular change in American whites and blacks using geometric morphometry. In: D. Slice (editor). *Modern Morphometrics in Physical Anthropology, Volume V: Developments in Primatology: Progress and Prospects.* New York: Kluwer Academic Press, pp. 231-246.

2. Articles

a. Refereed Journal Articles:

Kootker, Lisette M., Saskia T.M. Ammer, **Daniel J. Wescott**, Gareth R. Davies, and Hayley L. Mickleburgh. 2023. Sr-Pb isotope difference in pre- and post-burial human bone, teeth, and hair keratin: implications for isotope forensics. *International Journal of Legal Medicine* Feb 23. doi: 10.1007/s00414-023-02976-5. Epub ahead of print. PMID: 36820918.

Sylvester, Adam D., **Daniel J. Wescott**, Deborah L. Cunningham, Devora S. Gleiber. 2023. Variation in talus shape and trabecular structure between obese and non-obese Americans. *Journal of Forensic Sciences* 68(2):369-381.

Chong, Mavis Date, Sandra Sheehan, Jessica Battaglia, **Daniel J. Wescott**, Jeanette Wallin. 2023. Comparative study of rapid DNA versus conventional methods on compromised bones. *Forensic Science International: Genetics* 63:102825.

Bonicelli, Andrea, Hayley L. Mickleburgh, Alberto Chighine, Emanuela Locci, **Daniel J. Wescott**, Noemi Procopio. 2022. Application of the ForensOMICS approach to post-mortem interval estimation in a controlled taphonomic experiment. *eLife* 11:e83658

Bonicelli, Andrea, William Cheung, Sheree Hughes, **Daniel J. Wescott**, Noemi Procopio. 2022. Preliminary investigation of the effect of maceration procedures on bone metabolome and lipidome. *Metabolites* 12(11):1020.

Doro, Kennedy O., Amar M. Kolapkar, Carl-Georg Banks, **Daniel J. Wescott**, Hayley L. Mickleburgh. 2022. Time-lapse electrical resistivity tomography imaging of buried human remains in simulated mass and individual graves. *Frontiers in Environmental Science, Advances in the Application of Multi-Dimensional Geophysical Surveys in Earth and Environmental Sciences* 10.3389/fenvs.2022.882496.

Doro, Kennedy O., Amar M. Kolapkar, Carl-Georg Banks, **Daniel J. Wescott**, Hayley L. Mickleburgh. 2022. Geophysical imaging of buried human remains in simulated mass and single graves: experimental design and results from pre-burial to six months after burial. *Forensic Science International* 335:111289

Alfsdotter, Clara, Megan Veltri, Crystal Crabb, and **Daniel J. Wescott**. 2022. An actualistic taphonomic study of human decomposition in coffins. *Bioarchaeology International* 6(3):190-215.

Gocha, Timothy P., Sophia R. Mavroudas, and **Daniel J. Wescott.** 2022.The Texas State Donated Skeletal Collection at the Forensic Anthropology Center at Texas State. *Forensic Sciences* 2:7-19 [invited]

Mickleburgh, Hayley L., Ed Schwalbe, Maruka Mizukami, Federica Sellitto, Sefora Starace, **Daniel J. Wescott**, David O. Carter, Noemi Procopio. 2021. The human bone proteome before and after decomposition: implications for forensic research. *Journal of Proteome Research* 20(5):2533-2546.

Aitkenhead-Peterson, Jacqueline A., James P. Fancher, Michael B. Alexander, Michelle D. Hamilton, Joan A. Bytheway, **Daniel J. Wescott**. 2021. Predicting postmortem interval for human cadavers in a sub-tropical climate using UV-Vis-near infrared spectroscopy. *Journal of Forensic Sciences* 66(1):190-201.

Pesko, Bogumila K., Stefan Weidt, Mark McLaughlin, **Daniel J. Wescott**, Hazel Torrance, Karl Burgess, Richard Burchmore. 2020. Post-mortomics: the potential of untargeted metabolomics to highlight markers for time since death. *OMICS*: *A Journal of Integrative Biology* 24(11),10.1089/omi.2020.0084.

Mickleburgh, Hayley L., Ed Schwalbe, Haruka Mizukami, Federica Sellitto, Sefora Starace, Daniel J. Wescott, David O. Carter, Noemi Procopio. 2020. The effects of inter-individual biological differences and taphonomic alteration on human bone protein profiles: implications for the development of PMI/ADD estimation methods. Doi:10.1101/2020.10.15.341156.

Baide, Alexis, Charlie Farber, Mark Krimmer, **Daniel Wescott**, and Dmitry Kurouski. 2020. Non-invasive post-mortem interval diagnostics using a hand-held Raman spectrometer. *Forensic Chemistry* 20, 100270.

Kootker, Lisette M., Isabella C.C. von Holstein, Jelle Broeder, **Daniel J. Wescott**, Gareth R. Davies, Hayley L. Mickleburgh. 2020. The effects of decomposition and environment on antemortem H-Sr-Pb isotope compositions and degradation of human scalp hair: an actualistic experiment. *Forensic Science International* 312,110336.

Cunningham, Deborah L., Melinda V. Rogers, **Daniel J. Wescott**, and Robert C. McCarthy. 2019. Re-evaluation of the body mass estimates for the KNM-ER 5428 *Homo erectus* talus. *American Journal of Physical Anthropology* 170(1):148-155.

Wescott, Daniel J. 2019. Postmortem changes in bone mechanical properties: loss of plasticity. *Forensic Science International* 300:164-169 [invited]. Special Issue: Perimortem Trauma, edited by Douglas H. Ubelaker.

Gordon, Gwyneth W., Tiffany Saul, Dawnie Wolfe Steadman, **Daniel J. Wescott**, Kelly Knudson. 2018. Preservation of hair stable isotope signatures during freezing and law enforcement evidence packaging. *Forensic Chemistry* 11:108-119.

Wescott, Daniel J. 2018. Recent advances in forensic anthropology: decomposition research. *Forensic Sciences Research* 3(4): 278-293 [invited]. Special Issue: Recent Advances in Forensic Anthropology, guest edited by Douglas Ubelaker.

Murray, Bryce, Derek T. Anderson, **Daniel J. Wescott**, Robert Moorhead, Melissa Anderson. 2018. Survey and insights into unmanned aerial vehicle-based detection and documentation of clandestine graves and human remains. *Human Biology* 90 (1):45-61 [invited]. Special Issue: Thinking Computationally about Forensics: Anthropological Perspectives on Advancements in Technologies, Data, and Algorithms, edited by Bridget F.B. Algee-Hewitt and Jieun Kim.

Cunningham, Deborah L., Ronda R. Graves, **Daniel J. Wescott**, and Robert C. McCarthy. 2018. The effect of ontogeny on estimates of KNM-WT 15000's adult body size. *Journal of Human Evolution* 121:119-127.

Mickleburgh, Hayley L. and **Daniel J. Wescott**. 2018. Controlled case study on joint disarticulation and bone displacement during the decomposition process: Implications for funerary taphonomy. *Journal of Archaeological Science- Reports* 20:158-167.

Wescott, Daniel J., Dawnie Wolfe Steadman, Nicole Miller, Kelly Sauerwein, Chaunesey M. Clemmons, Devora S. Gleiber, Chloe P. McDaneld, Laruen A. Meckel, Joan A. Bytheway. 2018. Validation of total body score/accumulated degree day model at three human decomposition facilities. *Forensic Anthropology* 1(3):143-149.

Meckel, Lauren A., Chloe McDaneld, and **Daniel J. Wescott**. 2018. White-tailed deer as a taphonomic agent: photographic evidence of a white-tailed deer gnawing on human bone (case report). *Journal of Forensic Sciences* 63(1):292-294.

Fancher, J.P., J.A. Aitkenhead-Peterson, T. Farris, K. Mix, A.P. Schwab, **D.J. Wescott**, and M.D. Hamilton. 2017. An evaluation of soil chemistry in human cadaver decomposition islands: potential for estimating postmortem interval (PMI). *Forensic Science International* 279:130-139.

Thomas, Torri B., Sheree Finley, Jeremy E. Wilkinson, **Daniel J. Wescott**, Azriel Gorski, and Gulnaz Javan. 2017. Postmortem microbial communities in burial soil layers of skeletonized humans. *Journal of Forensic and Legal Medicine* 49:43-49.

Wescott, Daniel J. and Lauren Rockhold Zephro. 2016. Secular change in femur diaphyseal biomechanical properties of American whites. *Human Biology* 88(1):38-46 [invited].

Bates, Lennon and **Daniel J. Wescott**. 2016. Variation in the rate of decomposition between autopsied and non-autopsied remains. *Forensic Sciences International* 261:93-100.

Alexander, Michael B., TK Hodges, **Daniel J. Wescott**, and Jacqueline A. Aitkenhead-Peterson. 2016. The effects of soil texture on the ability of human remains detection dogs to detect buried human remains. *Journal of Forensic Sciences* 61(3):649-654.

Wedel, Vicki and **Daniel J. Wescott**. 2016. Using dental cementum increment analysis to estimate age and season of death in African Americans from an historic cemetery in Missouri. *International Journal of Paleopathology* 15:134-139.

Wescott, Daniel J. and Jessica L. Drew. 2015. Effect of obesity on the reliability of age-at-death indicators of the pelvis. *American Journal of Physical Anthropology* 156:595-605.

Wescott, Daniel J. 2015**.** Sexual dimorphism in auricular surface medial projection and postauricular sulcus morphology. *Journal of Forensic Sciences* 60:679-685.

Harrington Katherine I., **Daniel J. Wescott**. 2015. Size and shape differences in the distal femur and proximal tibia between normal weight and obese American whites. *Journal of Forensic Sciences* 60(S1):S32-S38.

Wescott, Daniel J., Deborah L. Cunningham, and David R. Hunt. 2014. Temporal trends in femoral diaphyseal torsional asymmetry among the Arikara associated with postural behavior. *American Journal of Physical Anthropology* 154(4):512-524.

Anderson, Derek, Timothy Havens, Christian Wagner, James Keller, Melissa Anderson, and **Daniel Wescott**. 2014. Extension of the Fuzzy integral for general fuzzy set-valued information. *IEEE Transactions on Fuzzy Systems* 22(6):1625-1639.

Wescott, Daniel J., Lori E. Baker, D. Clarke Wernecke, and Michael B. Collins. 2012. A mass grave of Mexican soldiers from the Resaca De La Palma battlefield (41CF3): demography and battle-related injuries. *Bulletin of Texas Archaeology* 83:1-21

Cho, Moon-Heum, Deanna M. Lankford, and **Daniel J. Wescott.** 2011. Exploring the relationship between college students' epistemic beliefs and nature of science. *Evolution: Education and Outreach* 4:313-322 [DOI 10.1007/s12052-011-0324-7]

Wescott, Daniel J., Kelly Brinsko, Stephanie L. Golda, Jeff Nichols, Mark Spigelman, Bob Stewart, Margaret Streeter, Robert H. Tykot, and Ljuda Zamstein. 2010. A Fisk Patent Metallic Burial Case from western Missouri: an interdisciplinary and comprehensive effort to reconstruct the history of an early settler of Lexington, Missouri. *Archaeological and Anthropological Sciences* 2:283-305 (DOI 10.1007/s12520-010-0045-9) [Impact Factor: 1.847]

Graves, Ronda, Amy Lupo, Robert McCarthy, **Daniel J. Wescott**, and Deborah L. Cunningham. 2010. Just how strapping was the Nariokotome Boy? *Journal of Human Evolution* 59(5):542-554 [Impact Factor 4.03]

Anderson, Melissa, Derek Anderson, and **Daniel J. Wescott.** 2010. Estimation of adult skeletal age-at-death using the Sugeno Fuzzy Integral. *American Journal of Physical Anthropology* 142(1):30-41 [Impact Factor: 2.963]

Cunningham, Deborah L. and **Daniel J. Wescott**. 2009. Still more "fancy" and "myth" than "fact" in students' conceptions of evolution. *Evolution: Education and Outreach* 2:505-517

Wescott, Daniel J. and Deepa Srikanta. 2008. Assessing ancestry using femur subtrochanteric shape revisited: testing the assumptions of the Gilbert and Gill method. *Journal of Comparative Human Biology HOMO* 59:347-363

Wieberg, Danielle A.M. and **Daniel J. Wescott**. 2008. Estimating the timing of long bone fractures: correlation between the postmortem interval, bone moisture content and blunt force trauma fracture characteristics. *Journal of Forensic Sciences* 53:1028-1034 [Impact Factor: 1.244]

Wescott, Daniel J. 2008. Biomechanical analysis of humeral and femoral structural variation in the Great Plains. *Plains Anthropologist* 53 (207): 333-355

Konigsberg, Lyle W., Nicholas P. Herrmann, **Daniel J. Wescott,** and Erin M. Kimmerle. 2008. Estimation and evidence in forensic anthropology: age-at-death. *Journal of Forensic Sciences* 53:541-557

Giroux, Carolyn L. and **Daniel J. Wescott.** 2008. Stature estimation based on dimensions of the bony pelvis and proximal femur. *Journal of Forensic Science* 53:65-68 [Impact Factor: 1.244]

Wescott, Daniel J. 2006. Ontogeny of femur subtrochanteric shape in Native Americans and American Blacks and Whites. *Journal of Forensic Sciences* 51:.1240-1245 [Impact Factor: 1.244]

Wescott, Daniel J. 2006. Effect of mobility on femur midshaft shape and robusticity. *American Journal of Physical Anthropology* 130:201-213 [Impact Factor: 2.48; Most cited journal in anthropology]

Wescott, Daniel J. and Deborah L. Cunningham. 2006. Temporal changes in Arikara humeral and femoral cross-sectional geometry associated with horticulture intensification. *Journal of Archaeological Science* 33:1022-1036 [Reported on in *Science* 312:507; Impact Factor: 1.847]

Wescott, Daniel J. and Deborah L. Cunningham. 2005. Recognizing student misconceptions about evolution. *MountainRise* 2(2)

Wescott, Daniel J. 2005. Population variation in femur subtrochanteric shape. *Journal of Forensic Sciences* 50:286-293

Cunningham, Deborah L. and **Daniel J. Wescott.** 2002. Within-group human variation in the Asian Pleistocene: an assessment of the three Upper Cave crania. *Journal of Human Evolution* 42(5):627-638 [Impact Factor: 4.03]

Konigsberg, Lyle W., Nicholas P. Herrmann, and **Daniel J. Wescott.** 2002. Commentary on McBride DG, Dietz MJ, Vennemyer MT, Meadors SA, Benfer RA, and Furbee NL. Bootstrap methods for sex determination from the Os Coxae using the ID3 algorithm, J Forensic Sci 2001; 46:424-428. *Journal of Forensic Sciences* 47(2): 424-426 [Impact Factor: 1.244]

Wescott, Daniel J. and Peer H. Moore-Jansen. 2001. Metric variation in the human occipital bone: forensic anthropological applications. *Journal of Forensic Sciences* 46(5):1159-1163 [Impact Factor: 1.244]

Wescott, Daniel J. 2000. Sex variation in the second cervical vertebra. *Journal of Forensic Sciences* 45(2): 470-474 [Impact Factor: 1.244]

Wescott, Daniel J. and Richard L. Jantz. 1999. Anthropometric variation among the Sioux and Assiniboine. *Human Biology* 71(5): 847-858

b. Non-refereed Articles:

Gutierrez, Eliana and **Daniel J. Wescott**. 2023. Differential Decomposition in Burned Human Remains. Journal of Undergraduate Research in Anthropology VII:99-107.

Wescott, Daniel J. and Sophia R. Mavroudas. 2019. Forensic Anthropology Center at Texas State: supporting the Texas criminal justice system. Victim's Informer 24(2):6-9 [invited].

Wescott, Daniel J. 2016. Skeletal analysis of Mexican soldiers from the battle of Resaca de la Palma. *Preserving Fields of Conflict: Papers from the 2014 Fields of Conflict Conference and Preservation Workshop* 149-153 [invited].

Wescott, Daniel J. 2013. Tales from the skeleton: the role of the forensic anthropologist in medicolegal death investigations. *HOTSHOTS* September 19(9):3-4 [invited]

Wescott, Daniel J. 2009. Approaches and trends in forensic anthropology. *Journal Minerva Medicolegale* 129(3):155-164 [invited]

Wescott, Daniel J. 2007. Bioarchaeological analysis of the Fenton mounds (23SL1064). *Missouri Archaeologist* 68:107-118 [invited]

Barnes, Jonathan and **Daniel J. Wescott.** 2007. Sex determination of Mississippian skeletal remains from humeral measurements. *Missouri Archaeologist* 68:133-137 [invited]

Wescott, Daniel J. and Stephanie Child. 2007. Osteological analysis of the "mother and child" skeletons from Kemna Cave (23ML1). *Missouri Association of Professional Archaeologists Newsletter* 4(1):5-7

Wescott, Daniel J. 2004. Osteological analysis of human skeletal remains from the Fenton (Gravois Bluffs Tract) mounds (23SL1064), St. Louis County, Missouri. *Missouri Association of Professional Archaeologists Newsletter* 2(2):6-8

Wescott, Daniel J. 1997. Tuberculosis: An anthropological perspective. *Lambda Alpha Journal* 27: 77-86

Wescott, Daniel J. 1991. The phyletic affinity of Ramamorphs: an ongoing controversy. *Lambda Alpha Journal* 22: 50-81

3. Conference Proceedings

a. Refereed Conference Proceedings:

Li, Heyuan, Gengxin Shi, Lauren Meckel, Deborah L. Cunningham, **Daniel J. Wescott**, Adam D. Sylvester, Nicolas Charon, and Wojciech Zbijewski. 2023. Body mass classification from skeletal elements using landmark-free morphological atlas estimation with diffeomorphic shape mapping. SPIE Medical Imaging Proceedings 12468:12468-18. https://doi.org/10.1117/12.2655795

Anderson, Derek T., T.C. Havens, C. Wagner, James Keller, Melissa Anderson, and **Daniel J. Wescott**, 2012. Sugeno fuzzy integral generalizations for sub-normal fuzzy set-valued inputs. IEEE International Congress of Fuzzy Systems (FUZZ-IEEE), 2012:1-8. DOI: 10.1109/FUZZ-IEEE.2012.6250827 [winner of the 2012 IEEE WCCI ***Best Paper Award***]

Anderson, Derek T., Melissa Anderson, James M. Keller, and **Daniel J. Wescott**. 2011. Linguistic description of adult skeletal age-at-death estimation from fuzzy integral acquired fuzzy sets. *IEEE International Congress on Fuzzy Systems (FUZZ-IEEE)*, 2011:2274-2281. DOI: 10.1109/FUZZY.2011.6007421

4. Refereed Abstracts:

See *Papers Presented at Professional Meetings*

5. Reports:

Research Reports

Bytheway Joan A., Dawnie Steadman, **Daniel Wescott**. 2018. Validation study of the utility of using total body score and accumulated degree days to determine the postmortem interval of human remains. Final Report submitted to National Institute of Justice [2014-DN-BX-K009].

Gordon, Gwyneth W., Tiffany Saul, Dawnie Steadman, Kelly Knudson, Ariel D. Anbar, **Daniel J. Wescott**. 2018. Isotopic taphonomy of human remains. Final Technical Report submitted to National Institute of Justice [2014-DN-BX-K002].

Wescott, Daniel J. 2015. NSF:MRI – High resolution computed tomography system for research and educational purposes. Final Technical Report submitted to the National Science Foundation [NSF:MRI 1338044].

Wescott, Daniel J. 2015. NSF:MRI – High resolution computed tomography system for research and educational purposes. Final Public Report submitted to the National Science Foundation [NSF:MRI 1338044].

Wescott, Daniel J., Derek T. Anderson, and Melissa Anderson. 2015. Multi-factorial age-at-death estimation method using fuzzy integrals. Final Technical Report submitted to the National Institute of Justice [2011-DN-BX-K838].

Forensic Anthropology Reports

Wescott, Daniel J., Theresa De Cree, Ivanna Robledo, Stephani Baker. 2022. Analysis of human skeletal remains from Comal County (F15-2022). Report submitted to Jennifer Saunders, Justice of the Peace, New Braunfels, TX.

Wescott, Daniel J. 2022. Opinion regarding decomposition *Carlton Randells and James Whitaker vs. Boyd Funeral Home, Boyd Funeral Services, LLC, Asia Atkins as Executive Director, John Doe 1-10 and ABC Entities*. Report submitted to Bennett, Bricklin, and Saltburg, LLC.

Wescott, Daniel J., Devora Gleiber, Emilie Wiedenmeyer. 2022. Forensic analysis of burned skeletal remains discovered in Karnes County. Report submitted to Karnes County Justice of the Peace, Falls City, TX.

Garza, Shelby and **Daniel J. Wescott**. 2022. Anthropological analysis of partial human remains from Bandera County. Report submitted to Bandera Justice of the Peace, Precinct 1, Bandera, TX.

Wescott, Daniel J. 2022. Identification Report F11-2022. Report submitted to Bandera Justice of the Peace, Precinct 1, Bandera, TX.

Wescott, Daniel J. 2022**.** Identification Report F10-2019. Report submitted to Victoria County Justice of the Peace, Precinct 1, Victoria, TX.

Wescott, Daniel J. 2022. Identification Report, F02-2022. Report submitted to Bandera Justice of the Peace, Precinct 2, Lakehills, TX.

Wescott, Daniel J., Justin Z. Goldstein, Heather J. Nesbitt. 2022. Anthropological analysis of human remains from Bandera County. Report submitted to Bandera Justice of the Peace, Precinct 2, Lakehills, TX.

Wescott, Daniel J. 2021. Estimation of Time-Since-Death. Report submitted to the Santa Fe County Sheriff's Office, Santa Fe, NM.

Wescott, Daniel J. 2020. Anthropological analysis of human remains from Corpus Christi: Forensic significance and skeletal analysis. Report submitted to Nueces County Medical Examiner's Office, Corpus Christi, TX.

Wescott, Daniel J. 2020. Postmortem interval estimate of human remains discovered at White Sands Military Base, New Mexico. Report submitted to Army CID.

Wescott, Daniel J. and Timothy Gocha. 2020. Anthropological analysis of human remains from Comal County. Report submitted to Comal County Justice of Peace, Precinct 4 and Comal County Sheriff's Office.

Wescott, Daniel J. 2020. Identification of two possible human bone fragments from Georgetown, Texas. Report submitted to Texas Rangers.

Wescott, Daniel J. 2020. Anthropological analysis of burned human remains from Dale, Texas. Report submitted to Bastrop Justice of Peace, Precinct 2.

Wescott, Daniel J. Identification Report, F15-2019. Report submitted to Bastrop County Justice of the Peace, Precinct 2, Bastrop, TX

Wescott, Daniel J. 2019. Anthropological analysis of human remains from northern Victoria County, Texas. Report submitted to the Victoria County Sheriff's Office and Justice of the Peace, Precinct 1.

Mavroudas, Sophia R. and **Daniel J. Wescott.** 2019. Anthropological analysis of human fetal remains from Johnson City, Texas. Report submitted to Texas Rangers.

Mavroudas, Sophia R., Courtney Siegert, and **Daniel J. Wescott.** 2019. Anthropological analysis of burned human remains from Poteet, Texas. Report submitted to the Atascosa County Sheriff and Texas Rangers.

Wescott, Daniel J. 2019. Anthropological analysis of human remains from Seguin: Seguin Police Department 19-P24053. Report submitted to the Seguin Police Department, Guadalupe County, TX.

Wescott, Daniel J. 2019. Anthropological analysis of human cranium: San Marcos Police Department 19-038221 (F06-2019). Report submitted to Hays County Justice of the Peace and San Marcos Police Department, Hays County, TX.

Mavroudas, Sophia, Courtney Siegert, Devora Gleiber, **Daniel J. Wescott**. 2019. Recovery and skeletal analysis of New Braunfels Case 19-04168 (F03-2019). Report submitted to Ranger Joseph Evans and Judge Todd Friesenhahn, Guadalupe County, TX.

Wescott, Daniel J. 2019. Radiographic age estimation. Report submitted to Joshua Jones, Texarkana Police Department, Texarkana, AR.

Wescott, Daniel J. and Michelle D. Hamilton. 2018. Recovery and anthropological analysis of Comal County Sheriff's Office Case 18-05-6014. Report submitted to Judge Larry Shallcross and Comal County Sheriff's Office.

Wescott, Daniel J., Laney Feeser, and Shelby Garza. 2018. Recovery and anthropological analysis of skeletal remains of MCMEO 18-0370. Report submitted to Montgomery County Forensic Services. Conroe, TX.

Wescott, Daniel J., Shelby Garza, Kari Helgeson, Chloe McDaneld, and Courtney Siegert. 2018. Skeletal trauma analysis of MCMEO 18-0313. Report submitted to Montgomery County Forensic Services. Conroe, TX.

Wescott, Daniel J. and Shelby Garza. 2018. Skeletal trauma analysis of MCMEO 18-0312. Report submitted to Montgomery County Forensic Services. Conroe, TX.

Wescott, Daniel J., Kate Flor-Stagnato, Briana New, Susan Sincerbox. 2018. Forensic anthropology report for MCMEO 18-0171-OC. Report submitted to Montgomery County Forensic Services. Conroe, TX.

Wescott, Daniel J. 2017. Anthropological Report: State of Texas v. Aniseto Alejandro Jr. L-17-0071-CR. Report submitted to the Texas RioGrande Legal Aid, Inc., Beeville, TX.

Wescott, Daniel J. and Sophia Mavroudas. 2017. Estimation of Postmortem Interval for the Remains of Virginia Ybarra. Report submitted to the Comal County Sheriff's Office, New Braunfels, TX.

Wescott, Daniel J. and Lauren A. Meckel. 2017. Examination of Photographs and Documents associated with GP:MM:20063. Report submitted to George Papmihail, Barristers and Solicitors, Northbridge, Western Australia.

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6. Book Reviews:

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Wescott, Daniel J. 2013**.** Review of: The Forensic Historian: Using Science to Reexamine the Past. *Journal of Forensic Sciences* 58(6):1686

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B. Works not in Print

*1. Papers Presented at Professional Meetings: *abstract published in proceedings*

Bonicelli, Andrea, Hayley L. Mickleburgh, **Daniel J. Wescott**, Noemi Procopio. 2022. Potential of simultaneous extraction of metabolites and lipids for PMI estimation. European Academy of Forensic Sciences.

Sylvester, Adam D., **Daniel J. Wescott**, Deborah L. Cunningham, and Devora S. Gleiber. 2022. Body mass and trabecular structure in the human talus. American Association of Biological Anthropologists, Denver, CO

Gutierrez, Eliana B. and **Daniel J. Wescott**. 2022. Differential decomposition patterns in burned remains. American Association of Biological Anthropologists, Denver, CO

McCarthy, Robert C., Deborah L. Cunningham, **Daniel J. Wescott**. 2022. New body mass-at-death estimates for KNM-WT 15000 (*Homo erectus*). American Association of Biological Anthropologists, Denver, CO

Wescott, Daniel J., Gene Robinson, Derek Anderson, Shane Seitz 2022. Discovering clandestine human remains using unmanned aerial system based remote sensing. National Institute of Justice Forensic Science Research and Development Symposium. Virtual Conference.

Sylvester, Adam D., Wojciech Zbijewski, **Daniel J. Wescott**, Deborah L. Cunningham, Lauren Meckel, and Gengxin Shi. 2022. Shape atlas and bone structure analysis for

body mass estimation: workflow and potential. National Institute of Justice Forensic Science Research and Development Symposium. Virtual Conference

Mickleburgh, Hayley L., Michael B. Alexander, Kennedy O. Doro, Shari L. Forbes, Andrew L. Ford, Sarah Gino, Timothy P. Gocha, Lisette M. Kootker, Noemi Procopio, **Daniel J. Wescott.** 2022**.** Actualistic experimental replication of a small-sized mass grave. American Academy of Forensic Sciences, Seattle, WA

Procopio, Noemi, Sarah Gino, Onengiye Ogbanga, Timothy P. Gocha, **Daniel J. Wescott**, Hayley L. Mickleburgh. 2022. Forensic microbiology of human cadavers in an experimental mass grave. American Academy of Forensic Sciences, Seattle, WA

Mavroudas, Sophia R., Dawnie Steadman, Katie Zedjlik-Passalacqua, **Daniel J. Wescott**, Timothy P. Gocha, Sheree Hughes, Gretchen R. Dabbs, Melissa Connor, Jodie Ward, Erin Kimmerle, Jane Harris, Shari Forbes, Anthony Falsetti. 2022. 50 years of taphonomic research: from Death's Acre to a global footprint. American Academy of Forensic Sciences, Seattle, WA

Doro, Kennedy O., Amar Kolapkar, Carl-Georg Banks, **Daniel J. Wescott**, Hayley L. Mickleburgh. 2022. Geophysical imaging of buried human remains in a mass grave experimental setup. American Academy of Forensic Sciences, Seattle, WA

Ammer, Saskia T.M., Lisette M. Kootker, **Daniel J. Wescott**, Gareth R. Davies, Hayley L. Mickleburgh. 2022. Diagenesis of human bone, tooth enamel, and scalp hair in taphonomic experiments: implications for isotope analysis for human identification. American Academy of Forensic Sciences, Seattle, WA

Mickleburgh, Hayley L. and **Daniel J. Wescott**. 2021. The mass grave project: an experimental taphonomic study aimed at advancing methods of detection, excavation and documentation of mass graves and identification of the individual buried within them. 9th European Meeting on Forensic Anthropology [best paper prize].

Rodriguez AL, Cunningham DL**, Wescott DJ**, McCarthy RC (2021). Estimating body mass in modern humans using the distal humerus with application to the MK3 fossil hominin. Poster presented at the 90th annual meeting of the American Association of Physical Anthropologists (held virtually).

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Tyner, Tamara L., Daniel J. Wescott, Nicholas P. Herrmann, Tiffany Saul. Validating isoscaping methods: a study of oxygen, strontium, and sulfur. *Proceedings of the American Academy of Forensic Sciences*. American Academy of Forensic Sciences, 2021.

Russel, C. Kinley, Devora S. Gleiber, Deborah L. Cunningham, **Daniel J. Wescott**, Adam D. Sylvester. 2020. Trabecular mapping: effects of intra- and interobserver error on sliding semilandmark placement. *American Journal of Physical Anthropology*. American Association of Physical Anthropologists, Anaheim, CA. [virtual]

McCarthy, Robert C., Syed Mohammed Qadri, Sanampreet Bhullar, Emily Zimel, Madeline Petrikas, Deborah L. Cunningham, Daniel J. Wescott. 2020. New adult brain size estimates for juvenile hominins. *American Journal of Physical Anthropology*. American Association of Physical Anthropologists, Anaheim, CA. [virtual]

Garza, Shelby L., Daniel J. Wescott. 2020. The effects of labor on the biomechanical properties of the femora and the humeri in the 19th and 20th centuries. *American Journal of Physical Anthropology*. American Association of Physical Anthropologists, Anaheim, CA. [virtual]

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Saul, Tiffany B., Gwyneth W. Gordon, Lesley A. Chesson, Brett J. Tipple, Dawnie W. Steadman, **Daniel J. Wescott**. 2019. Postmortem preservation of isotope ratios in human hair. Forensic Isotope Ratio Mass Spectrometry (FIRMS) International Conference. San Michele all'Adige, Italy.

Gleiber, Devora S., Deborah L. Cunningham, and **Daniel J. Wescott**. *2019. Variation in the trabecular structure of the proximal tibia between obese and non-obese individuals. American Association of Physical Anthropologists, Cleveland, OH, *American Journal of Physical Anthropology* 168(S68):86.

Russell, C. Kinley, Deborah L. Cunningham, **Daniel J. Wescott**, Devora S. Gleiber, and Adam D. Sylvester. *2019. Sensitivity of trabecular mapping to sliding semilandmark placement. American Association of Anatomists at Experimental Biology, Orlando, FL. *FASEB Journal* https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.612.13

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Cunningham, Deborah L., Melinda V. Rogers, **Daniel J. Wescott**, and Robert C. McCarthy.* 2018. Utility of talar measurements in body mass estimation. *American Journal of Physical Anthropology* 165(S66):58. American Association of Physical Anthropologists, Austin, TX.

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advancements in technologies, data and algorithms]. *American Journal of Physical Anthropology* 165(S66):299. American Association of Physical Anthropologists, Austin, TX.

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Gordon, Gwyneth, Tiffany Saul, Dawnie Steadman, **Daniel Wescott**, Kelly Knudson, Ariel Anbar. 2017. The isotopic taphonomy of human remains. Proceedings of the 12th International Symposium on Applied Geochemistry (AIG-12), Copper Mountain, CO.

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Cunningham, Deborah L., **Daniel J. Wescott,** Devora S. Gleiber, Angi M. Christensen, Michael A. Smith. 2017. The use of industrial CT in forensic anthropology. Tomography for Scientific Advancement (ToScA) North America, Austin, TX [invited].

Gleiber, Devora S., Deborah L. Cunningham, Cassie E. Skipper, and **Daniel J. Wescott**. 2017. Variation in the trabecular structure of the proximal tibia between obese and non-obese individuals. Tomography for Scientific Advancement (ToScA) North America, Austin, TX.

Clemmons, Chaunesey M.J., M. Kate Spradley, and **Daniel J. Wescott**.* 2017. Estimating ancestry in undocumented migrants along the south Texas border using dental morphological traits: a test of the H.J.H. Edgar's 2013 method. *American Journal of*

Physical Anthropology 162(S64):146. American Association of Physical Anthropologists, New Orleans, LA.

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Wescott, Daniel J. and Sophia R. Mavroudas.* 2017. Obesity affects the accuracy and precision of age at death estimations based on the pelvic joints. *American Journal of Physical Anthropology* 162(S64):406. American Association of Physical Anthropologists, New Orleans, LA [invited symposium: Skeletal ageing: factors affecting population variation in rates of bone degeneration].

Bytheway, Joan A., Nicole Miller, Dawnie Steadman, Kelly Sauerweins, **Daniel J. Wescott**, Chaunesey M.I. Clemmons, Devora S. Gleiber, Chloe P. McDaneld, and Lauren A. Meckel.* 2017. Validation of TBS/ADD equation at 100, 300, 500, and 1000 ADD on 30 human subjects with known PMI from three human decomposition facilities. *Proceedings of the American Academy of Forensic Sciences* 23:248. American Academy of Forensic Sciences, New Orleans, LA.

Christensen, Angi M., Michael A. Smith, Deborah L. Cunningham, **Daniel J. Wescott**, and Devora S. Gleiber.* 2017. The use of industrial CT in forensic anthropology. *Proceedings of the American Academy of Forensic Sciences* 23:216. American Academy of Forensic Sciences, New Orleans, LA.

Garza, Shelby and **Daniel J. Wescott**.* 2017. Differences in rate of decomposition between frozen and non-frozen human remains. *Proceedings of the American Academy of Forensic Sciences* 23:214. American Academy of Forensic Sciences, New Orleans, LA.

Gleiber, Devora S., Lauren A. Meckel, Courtney C. Siegert, Chloe P. McDaneld, Justin A. Pyle, and **Daniel J. Wescott**.* 2017. Accumulated decomposition score (ADS): an alternative method to TBS for quantifying gross morphological changes associated with decomposition. *Proceedings of the American Academy of Forensic Sciences* 23:206. American Academy of Forensic Sciences, New Orleans, LA.

Gordon, Gwyneth, Tiffany Saul, Dawnie Steadman, Kelly Knudson, **Daniel J. Wescott**.* 2017. Preservation of hair stable isotope signature during freezing. *Proceedings of the American Academy of Forensic Sciences* 23:700. American Academy of Forensic Sciences, New Orleans, LA. [invited].

Lewis, Krystle N., **Daniel J. Wescott**, Eugene J. Robinson, John Buell, and Michael Josephs.* 2017. Mapping surface scatter of scavenged human remains using drone aerial photography. *Proceedings of the American Academy of Forensic Sciences* 23:211. American Academy of Forensic Sciences, New Orleans, LA.

Gleiber, Devora, Cassie E. Skipper, Deborah L. Cunningham, **Daniel J. Wescott**.* 2016. Variation in the trabecular structure of the proximal tibia between obese and non-obese females. *American Journal of Physical Anthropology* 159(S62):155-156. American Association of Physical Anthropologists, Atlanta, GA.

Skipper, Cassie E. and **Daniel J. Wescott**.* 2016. Analyzing the biological relatedness of individuals from a late 1800s Missouri cemetery. *American Journal of Physical Anthropology* 159(S62):293. American Association of Physical Anthropologists, Atlanta, GA.

Lewman, Jordon R., Megan F. Veltri, Deborah L. Cunningham, and **Daniel J. Wescott**. 2016. The effects of obesity and diabetes on diffuse idiopathic skeletal hyperostosis. American Association of Physical Anthropologists, Undergraduate Research Symposium, Atlanta, GA.

Veltri, Megan F., Jordon R. Lewman, Deborah L. Cunningham, and **Daniel J. Wescott**. 2016. New approaches to measuring diffuse idiopathic skeletal hyperostosis. American Association of Physical Anthropologists, Undergraduate Research Symposium, Atlanta, GA.

McDaneld, Chloe and **Daniel J. Wescott**.* 2016. The effect of plastic tarps on the rate of human decomposition during the spring/summer in central Texas. *Proceedings of the American Academy of Forensic Sciences* 22:61. American Academy of Forensic Sciences, Las Vegas, NV.

Wescott, Daniel, Lauren Meckel, Chloe McDaneld, Sophia Mavroudas, M. Katherine Spradley.* 2016. White-tailed deer as a taphonomic agent: photographic documentation of white-tailed deer gnawing on human bone. *Proceedings of the American Academy of Forensic Sciences* 22:109. American Academy of Forensic Sciences, Las Vegas, NV.

Isaacks, Marilyn and **Daniel J. Wescott**.* 2016. The use of near-infrared remote sensing in the detection of clandestine human remains. *Proceedings of the American Academy of Forensic Sciences* 22:127. American Academy of Forensic Sciences, Las Vegas, NV.

Bates, Lennon N and **Daniel J. Wescott**.* 2016. Not all degree days are equal in the rate of decomposition: the effect of season of death on the relationship between gross postmortem decomposition and accumulated degree days. *Proceedings of the American Academy of Forensic Sciences* 22:178. American Academy of Forensic Sciences, Las Vegas, NV.

Zeller, Sharon, Sudhir Sinha, Gina Pineda, Hiromi Brown, **Daniel J. Wescott**, Tracey Dawson Cruz.* 2016. Utility of InnoTyper^{TM}21 in analysis of degraded human DNA recovered from maggot crop contents. *Proceedings of the American Academy of Forensic Sciences* 22:347. American Academy of Forensic Sciences, Las Vegas, NV.

Gleiber, Devora, Cassie E. Skipper, Deborah L. Cunningham, **Daniel J. Wescott**. 2015. Variation in the trabecular structure of the proximal tibia between obese and non-obese females. Seventh Annual International Research Conference for Graduate Students, Texas State University, San Marcos, TX.

Skipper, Cassie E., Brittany S. McClain, Marilyn Isaacks, and **Daniel J. Wescott.** 2015. Testing the applicability of Walker (2008) cranial nonmetric sexing traits on undocumented border crossers along the South Texas border. Seventh Annual International Research Conference for Graduate Students, Texas State University, San Marcos, TX.

Skipper, Cassie E. and **Daniel J. Wescott**. 2015. Analyzing the biological relatedness of individuals from a mid to late 1800s Missouri cemetery. Texas Biological Anthropological Association, Texas Tech University, Lubbock, TX.

Wescott, Daniel J.* 2015. The forensic anthropologist as broker for interdisciplinary taphonomic theory. *Proceedings of the American Academy of Forensic Sciences* 21:207. American Academy of Forensic Sciences, Orlando, FL.[invited]

Wescott, Daniel J.* 2015. Using human decomposition facilities to study thanatomicrobiome and epinecrotic communities: Forensic Anthropology Center at Texas State. *Proceedings of the American Academy of Forensic Sciences* 21:45. American Academy of Forensic Sciences, Orlando, FL [invited]

Hentschel, Kelsee and **Daniel J. Wescott**.* 2015. Differentiating perimortem from postmortem blunt force trauma by evaluating fracture tension surface topography using geographical information system software. *Proceedings of the American Academy of Forensic Sciences* 21:225. American Academy of Forensic Sciences, Orlando, FL.

Cunningham, Deborah L., Ronda R. Graves, **Daniel J. Wescott**, and Robert C. McCarthy.* 2014. New estimates of body mass in KNM-WT 15000. *American Journal of Physical Anthropology* 153(S58):100-101. American Association of Physical Anthropologists, Calgary, Alberta, CA.

Finley, Sheree, **Daniel J. Wescott**, B.K. Robertson, and Gulnaz T. Javan. 2014. Analysis of microbial diversity in cadaver-soil obtained from decomposing cadavers. American Society of Microbiology, Boston, MA.

Finley, Sheree, Daniel J. Wescott, B.K. Robertson, and Gulnaz T. Javan. 2014. Investigation of microorganisms in grave-soil collected under decomposing corpse bodies. Alabama State University Research Conference, Montgomery, AL.

Wescott, Daniel J. 2014. Shooting from the hip: skeletal analysis of Mexican soldiers from the Battle of Resaca de la Palma. Fields of Conflict Conference, Palo Alto Battlefield Symposium. Columbia, SC.

Savage, Chet, Scott Maddux, Carol Ward, and **Daniel J. Wescott**.* 2014. A new classification system for assessing morphological variation in lumbosacral transitional vertebrae. *American Journal of Physical Anthropology* 153(S58):229-230. American Association of Physical Anthropologists, Calgary, Alberta, CA.

Purcell, Maureen and **Daniel J. Wescott**.* 2014. Sexual dimorphism of the femur: biomechanical influences of pelvic morphology. *American Journal of Physical Anthropology* 153(S58): 212. American Association of Physical Anthropologists, Calgary, Alberta, CA.

Bates, Lennon and **Daniel J. Wescott**.* 2014. Comparison of decomposition rates between autopsied and non-autopsied human remains in Central Texas. *American Journal of Physical Anthropology* 153(S58):73. American Association of Physical Anthropologists, Calgary, Alberta, CA.

Frye, Alexandria and **Daniel J. Wescott**.* 2014. Experimental wood chipper reduction: trauma and distribution patterns. *Proceedings of the American Academy of Forensic Sciences* 20:487-488. American Academy of Forensic Sciences, Seattle, WA.

Fancher, James P. and **Daniel J. Wescott**.* 2014. Age-at-death estimation of historical remains using dental age estimation and skeletal age estimation. *Proceedings of the*

American Academy of Forensic Sciences 20:296-297. American Academy of Forensic Sciences, Seattle, WA.

Cunningham, Deborah L., **Daniel J. Wescott**, Ronda R. Graves, and Robert C. McCarthy. 2013. Skeletal and body mass growth patterns in KNM-WT 15000. Texas Biological Anthropologist Association, Austin, TX.

Bates, Lennon N. and **Daniel J. Wescott**. 2013. Comparison of rates of decomposition between autopsied and non-autopsied human remains in Central Texas. Texas Biological Anthropologist Association, Austin, TX.

Purcell, Maureen W. and **Daniel J. Wescott**. 2013. Sexual dimorphism of the femur: biomechanical influence of pelvic morphology. Fifth Annual International Research Conference for Graduate Students, Texas State University, San Marcos, TX.

Bates, Lennon N. and **Daniel J. Wescott**. 2013. Comparison of rates of decomposition between autopsied and non-autopsied human remains in Central Texas. Fifth Annual International Research Conference for Graduate Students, Texas State University, San Marcos, TX.

Harrington, Katherine I. and **Daniel J. Wescott.*** 2013. Secular change in the knee joint and the effects of obesity. *American Journal of Physical Anthropology* 150 (S56):142-143. American Association of Physical Anthropologists, Knoxville, TN.

Wescott, Daniel J. and Deborah L. Cunningham.* 2013. Temporal changes in Arikara femoral torsion. *American Journal of Physical Anthropology* 150 (S56):289. American Association of Physical Anthropologists, Knoxville, TN.

Wescott, Daniel J., Michelle D. Hamilton, M. Katherine Spradley, Sophia Mavroudas, Amy M. Sears, Jeffery K. Tomberlin, and Lauren R. Pharr.* 2013. Regional factors in Central Texas affecting postmortem decomposition. *Proceedings of the American Academy of Forensic Sciences* 19:460-461. American Academy of Forensic Sciences, Washington, DC.

Stadler, Sonja, Katelynn Perrault, Pierre-Huges Stefanuto, Michal Brokl, Helene LeBlanc, Michelle Hamilton, Sophia Mavroudas, Kate Spradley, **Daniel J. Wescott**, Jeffery K. Tomberlin, Aaron M. Tarone, Tawni Crippen, Eric M. Benbow, Jean-Francios Forcant, and Shari Forbes. 2012. Did Halloween scare away the VOCs? An investigation into the production of VOCs from human decomposition. 3rd Annual UOIT Graduate Student Research Conference, University of Ontario Institute of Technology, Ontario, Canada.

Wescott, Daniel J. and Lauren Zephro.* 2012. Secular change in the femur. *American Journal of Physical Anthropology* 147(S54):308. American Association of Physical Anthropologists, Portland, OR.

McCarthy, Robert C., Ronda R. Graves, Amy C. Lupo, Deborah L. Cunningham, and **Daniel J. Wescott.*** 2012. Encephalization in Pleistocene *Homo* revisited. *American Journal of Physical Anthropology* 147(S54):208. American Association of Physical Anthropologists, Portland, OR.

Anderson, Melissa, Derek T. Anderson, **Daniel J. Wescott**, and James M. Keller.* 2012. Multi-factorial estimation of skeletal age-at-death using the Sugeno fuzzy integral. *Proceedings of the American Academy of Forensic Sciences* 18:355. American Academy of Forensic Sciences, Atlanta, GA.

Mavroudas, Sophia R., **Daniel J. Wescott**, M. Kate Spradley, Michelle D. Hamilton, and Kyra E. Stull.* 2012. The Forensic Anthropology Center at Texas State University-

San Marcos. *Proceedings of the American Academy of Forensic Sciences* 18:377-378. American Academy of Forensic Sciences, Atlanta, GA.

Wescott, Daniel J. and Jessica Drew.* 2012. Effects of obesity on the accuracy of age-at-death indicators of the pelvis. *Proceedings of the American Academy of Forensic Sciences* 18:403. American Academy of Forensic Sciences, Atlanta, GA.

Knobbe, Sharon E., Daniel H. Temple, and **Daniel J. Wescott**.* 2011. Cross-sectional geometry of prehistoric Late/Final Jomon period foragers in comparative context. *American Journal of Physical Anthropology* 144(S52): 189. American Association of Physical Anthropologists, Minneapolis, MN.

Wedel, Vicki L.and **Daniel J. Wescott**.* 2011. Detecting a historical epidemic using dental cementum increment analysis. *American Journal of Physical Anthropology* 144(S52): 308. American Association of Physical Anthropologists, Minneapolis, MN.

Wescott, Daniel J. * 2011. Femoral shape and terrestrial logistic mobility patterns. American Journal of Physical Anthropology. *American Journal of Physical Anthropology* 144(S52): 309. Symposium: Mobility: Towards a Definition for Application in Human Evolution, American Association of Physical Anthropologists, Minneapolis, MN.

Wescott, Daniel J. * 2011. Reconstructing habitual activities of Kennewick Man: biomechanical analysis of long bone strength, shape, and asymmetry. Texas Biological Anthropological Association, Texas State University, San Marcos, TX, November 5.

Drew, Jessica L. and **Daniel J. Wescott.** * 2010. Sexual dimorphism in auricular medial projection and postauricular sulcus morphology. *American Journal of Physical Anthropology* 142(S49):75-76. American Association of Physical Anthropologists, Albuquerque, NM.

Graves, Ronda R., Robert C. McCarthy, Amy C. Lupo, **Daniel J. Wescott**, and Deborah L. Cunningham* 2010. New estimations of stature and body mass for KNM-WT 15000. *American Journal of Physical Anthropology* 142(S49):106-107. American Association of Physical Anthropologists, Albuquerque, NM. [reported on in *Science* 328:413]

Wescott, Daniel J. * 2010. Reconstructing habitual activities in paleoamericans. *American Journal of Physical Anthropology* 142(S49):317-318. American Association of Physical Anthropologists, Albuquerque, NM.

Child, Stephanie and **Daniel J. Wescott.** * 2010. Detecting individuals with reduced mobility using femoral morphology. *Proceedings of the American Academy of Forensic Sciences* 16:373. American Academy of Forensic Sciences, Seattle, WA.

Wieberg, Danielle A.M. and **Daniel J Wescott.** * 2010. Interpretation and confirmation of patterned clothing stains observed on both tibiae. *Proceedings of the American Academy of Forensic Sciences* 16:338. American Academy of Forensic Sciences, Seattle, WA.

McKeown, Ashley H. and **Daniel J. Wescott.** * 2010. Sex and ancestry estimation from landmarks of the cranial base. *Proceedings of the American Academy of Forensic Sciences* 16:375. American Academy of Forensic Sciences, Seattle, WA.

Wescott, Daniel J. and Stephanie Child. * 2009. Evidence of reduced mobility in a Missouri Woodland period adolescent male. *American Journal of Physical Anthropology* 138(S48):270. American Association of Physical Anthropologists, Chicago, IL.

Wescott, Daniel J. 2008. Humeral and femoral variation in the American Great Plains. Twenty-fifth Annual Visiting Scholar Conference, Archaeological and Biological

Variation in the New World. Center for Archaeological Investigations, Southern Illinois University, Carbondale, IL. [invited]

Hellmann, L. **Daniel J. Wescott**, M. Faerman, C. Greenblatt, and M. Spigelman. 2008. Can we trace family history through mycobacterial DNA? 9th International Conference on Ancient DNA and Associated Biomolecules, Pompeii, Italy.

Cho, Moon-Heum, Deanna M. Lankford, **Daniel J. Wescott**, and Deborah L. Cunningham. 2008. Exploring the relationship between epistemic belief and nature of science in a college biology course. National Association of Research in Science Teaching, Baltimore, MD.

Wescott, Daniel J., Deborah L. Cunningham, and Douglas H. Ubelaker. * 2007. Growth and development of femur shape, size, and strength among three Native American groups. *American Journal of Physical Anthropology* 132(S44):247. Symposium: Biological Variation and Evolutionary Dynamics in Ancient Populations of the Americas, American Association of Physical Anthropologists, Philadelphia, PA. [invite]

Wescott, Daniel J. * 2007. Using growth data to understand secular trends in femur diaphyseal size and shape among American adults. *Proceedings of the American Academy of Forensic Sciences* 13:361. Symposium: Symposium in Honor of Richard L. Jantz, American Academy of Forensic Sciences, San Antonio, TX.

Baker, Lori, **Daniel J. Wescott**., D. Clark Wernecke, and Michael B. Collins.* 2006. Skeletal trauma analysis of the Mexican War dead from the battle of Resaca de la Palma. *American Journal of Physical Anthropology* 129(S42):61. American Association of Physical Anthropologists, Anchorage, AK.

Wescott, Daniel J.* 2006. Ontogeny of femur subtrochanteric shape: implications for determining ancestry using the platymeric index. *Proceedings of the American Academy of Forensic Sciences* 12:283. American Academy of Forensic Sciences, Seattle, WA.

Giroux, Carolyn L. and **Daniel J. Wescott.*** 2006. Stature estimation based on dimensions of the bony pelvis and proximal femur. *Proceedings of the American Academy of Forensic Sciences* 12:284. American Academy of Forensic Sciences, Seattle, WA.

Cho, Moon-Heum, **Daniel J. Wescott,** David Jonassen, and Sangchul Oh. 2006. The effects of epistemological beliefs on conceptual change in biology. Association of Educational Communications and Technology, Dallas, TX.

Cunningham, Deborah L., Tim M. Cole III, William L. Jungers, Carol V. Ward, and **Daniel J. Wescott**.* 2005. Patterns of postcranial and body mass dimorphism in hominoids. *American Journal of Physical Anthropology* 126(S40):90. American Association of Physical Anthropologists, Tampa, FL.

Wescott, Daniel J. 2005. Human remains from the Fenton Mounds, Missouri Archaeology Society Fall Symposium: Mississippian or Terminal Late Woodland Sites of c.a. A.D. 800-1500. Columbia, MO. [invited]

Wescott, Daniel J., Lori Baker, D. Clark Wernecke, and Michael B. Collins. 2005, Shooting from the hip: battlefield and physical stress related trauma in Mexican soldiers that died during the battle of Resaca de la Palma, May 9, 1846. Texas Archaeological Society, Austin, TX.

Cunningham, Deborah L., Tim M. Cole III, Carol V. Ward, and **Daniel J. Wescott.*** 2004. Postcranial sexual dimorphism at the A.L. 333 site. *American Journal of Physical*

Anthropology 123(S38):80-81. American Association of Physical Anthropologists, Milwaukee, WI.

Wescott, Daniel J. and Deepa Srikanta.* 2004. Racial assessment using the platymeric index. *Proceedings of the American Academy of Forensic Sciences* 10:291-292. Symposium: Skeletal Attribution of Ancesty and the Concept of Race, American Academy of Forensic Sciences, Dallas, TX. [invited]

Cunningham, Deborah L. and **Daniel J. Wescott**.* 2003. Addressing student misconceptions about human evolution. *American Journal of Physical Anthropology* 120(S36):81. American Association of Physical Anthropologists, Tempe, AZ.

Wescott, Daniel J. * 2002. Terrain and subsistence strategy effects on long bone diaphyseal structure. *American Journal of Physical Anthropology* 117(S34): 164. American Association of Physical Anthropologists, Buffalo, NY.

Jantz, Richard L. and **Daniel J. Wescott.*** 2002. Assessing craniofacial secular change in American whites and blacks using geometric morphometry. *American Journal of Physical Anthropology* 117(S34): 90. Symposium: Modern Morphometrics in Physical Anthropology, American Association of Physical Anthropologists, Buffalo, NY. [invited]

Wescott, Daniel J.* 2001. Analysis of Arikara humeral and femoral cross-sectional morphology. *American Journal of Physical Anthropology* 114(S32): 163-164. Symposium: New Approaches to Skeletal Biology of the American Great Plains, American Association of Physical Anthropologists, Kansas City, MO. [invited]

Wescott, Daniel J. 2001 Size, shape, and asymmetry of Plains Indian humeri and femora. Plains Anthropological Society, Lincoln, NE.

Albert, A. Midori, **Daniel J. Wescott.**, and Corey S. Sparks.* 2001. Bilateral asymmetry of epiphyseal union as an indicator of stress in the Arikara. *American Journal of Physical Anthropology* 114(S32):31. Symposium: New Approaches to Skeletal Biology of the American Great Plains, American Association of Physical Anthropologists, Kansas City, MO. [invited]

Wescott, Daniel J. and Richard L. Jantz.* 2001. Examining secular change in craniofacial morphology using three-dimensional coordinate data. *Proceedings of the American Academy of Forensic Sciences* 7: 262-263. American Academy of Forensic Sciences, Seattle, WA.

Cunningham, Deborah L. and **Daniel J. Wescott.*** 2000. Within-group human variation in the Asian Pleistocene: An assessment of the three Upper Cave crania. *American Journal of Physical Anthropology* 111(S30):132. American Association of Physical Anthropologists, San Antonio, TX.

Wescott, Daniel J. and Deborah L. Cunningham.* 1999. Asymmetry in Arikara long bones. *American Journal of Physical Anthropology* 108(S28):275. American Association of Physical Anthropologists, Columbus, OH.

Konigsberg, Lyle W., Nicholas P. Herrmann, and **Daniel J. Wescott.*** 1999. Reevaluation of component approaches to age estimation from the human pubic symphysis. *American Journal of Physical Anthropology* 108(S28):172. American Association of Physical Anthropologists, Columbus, OH.

Wescott, Daniel J.* 1999. Sexual dimorphism of the second cervical vertebra. *Proceedings of the American Academy of Forensic Sciences* 5:204-205. American Academy of Forensic Sciences, Orlando, FL.

McKeown, Ashley and **Daniel J. Wescott.*** 1999. Investigating morphological variation in the cranial base using new morphometry. *Proceedings of the American Academy of Forensic Sciences* 5:205. American Academy of Forensic Sciences, Orlando, FL.

Moore-Jansen, Peer H. and **Daniel J. Wescott.*** 1999. Metric variation in the condylar region of the occipital bone: Forensic anthropological applications. *Proceedings of the American Academy of Forensic Sciences* 5:227-228. American Academy of Forensic Sciences, Orlando, FL.

Wescott, Daniel J. and Richard L. Jantz.* 1998. Anthropometric variation in the Sioux and Assiniboine. *American Journal of Physical Anthropology* 105(S27):230. American Association of Physical Anthropologists, Salt Lake City, UT.

Wescott, Daniel J. 1998. Variation in asymmetry of the humerus within the Arikara: A preliminary look. Midwest Bioarchaeology and Forensic Anthropology Association, Iowa City, IA.

Konigsberg, Lyle W., Nicholas P. Herrmann, and **Daniel J. Wescott.** 1998. Age estimation data and software. Mountain, Swamp, and Beach Regional Forensic Anthropology Association, Knoxville, TN.

Wescott, Daniel J. and Peer H. Moore-Jansen.* 1997. Sex Determination in the adult cranial base and the first and second cervical vertebrae. *Proceedings of the American Academy of Forensic Sciences* 3:157-158. American Academy of Forensic Sciences, New York, NY.

Wescott, Daniel J. and Peer H. Moore-Jansen. 1997. An example of a well-defined paracondylar process. Midwest Bioarchaeology and Forensic Anthropology Association, Chicago, IL.

Moore-Jansen, Peer H. and **Daniel J. Wescott.** 1995. Standardization procedures in skeletal biology revisited. Midwest Bioarchaeology and Forensic Anthropology Association, DeKalb, IL.

Carter, John D., **Daniel J. Wescott.**, E. Hardman, and I. Cameron. 1994. Mineral status and colonic crypt morphology in dimethylhydrazine-treated mice. American Association of Cancer Researchers, San Francisco, CA.

Moore-Jansen, Peer H. and **Daniel J. Wescott.** 1992. Estimation of age and species in deer using mandibles. Flint Hills Archaeological Conference, Manhattan, KS.

Moore-Jansen, Peer H. and **Daniel J. Wescott**. 1990. A qualitative and quantitative assessment of an unmarked burial from the state of Kansas. Plains Anthropological Association, Oklahoma City, OK.

2. Invited Talks, Lectures, and Presentations:

Wescott, Daniel J. 2023. Forensic anthropology and the mission of the Forensic Anthropology Center at Texas State. Crime Stoppers annual conference. San Marcos, Texas, February 7.

Wescott, Daniel J. (with Gene Robinson). 2022. GeoForensic Working Group, December 12.

Wescott, Daniel J. 2021. Human Donation Program. Life Gift.

Wescott, Daniel J. 2021. Abode Academy 2: The After Party. February 4.

Wescott, Daniel J. 2020. Forensic anthropology research. Texas Public Radio – Think Science: Forensic Discoveries, August 21.

Wescott, Daniel J. 2020. Introduction to forensic anthropology for crime novelists. Heart of Texas Sisters in Crime, Austin, TX, February 9.

Wescott, Daniel J. 2019. Forensic anthropology and law enforcement. Texas Citizen Police Academy Alumni Association and Law Enforcement Annual Training Convention, San Marcos, TX, August 5.

Wescott, Daniel J. 2018. Working with Human Remains. Texas State University, Department of Philosophy, November 29.

Wescott, Daniel J. 2018. Obesity and immobility as natural experiments to investigate bone functional adaptation. California State University – Chico. November 3-4.

Wescott, Daniel J. 2018. Studying Death: Research, Education, Outreach and Service at the Forensic Anthropology Center. Health Science State Leaders Annual Meeting, San Antonio, TX, January 30.

Wescott, Daniel J. 2017. Working with Human Remains. Texas State University, Department of Philosophy, March 30.

Wescott, Daniel J. 2017. Working with Human Remains. Texas State University, Department of Philosophy, November 30.

Wescott, Daniel J. 2017. Ethical Issues Related to Body Donation Programs. Texas State University, Department of Education, April 4.

Wescott, Daniel J. 2017. Cross-disciplinary Forensic Anthropology. University of Florida, Gainesville, FL, March 17.

Wescott, Daniel J. 2017. Forensic Anthropology Center at Texas State. National Sojourners, Austin, TX, February 22.

Wescott, Daniel J. 2016. The curious life of a cadaver. Forest Hills Library, San Antonio, TX. July 13.

Wescott, Daniel J. 2016. Sexual dimorphism in auricular surface projection and post-auricular sulcus morphology: demonstration of method. Society of Forensic Anthropologists, Las Vegas, NV. February 2016.

Wescott, Daniel J. 2015. BARFAA to FACTS and other acronyms in between. Keynote Speech, Midwest Bioarchaeology and Forensic Anthropology Association, Chicago, IL. October 24.

Wescott, Daniel J. 2015. Forensic Anthropology and the Forensic Anthropology Center at Texas State. National Association of Legal Investigators, San Antonio, TX. May 30.

Wescott, Daniel J. 2015. So, You Found a Bone – What Next? Bayside Historical Society, Bayside, TX. May 16.

Wescott, Daniel J. 2014. Forensic Anthropology and the Forensic Anthropology Center at Texas State. Texas Citizen Police Academy and Law Enforcement Training, San Marcos, TX., July 28 and 29.

Wescott, Daniel J. 2013. Forensic Anthropology Center. University Advancement, Texas State University, San Marcos, TX, December 12.

Wescott, Daniel J. and Hilary Martinez. 2013. Forensic Anthropology and Willed Body Donation. End of Life Course, Austin Community College, Austin, TX, November 26.

Wescott, Daniel J., Sophia Mavroudas, Hailey Duecker**.** 2013. Forensic Anthropology. Forensic Family Day at the Witte Museum, San Antonio, TX, October 26.

Wescott, Daniel J. 2013. Tales from the Skeleton: The Role of Forensic Anthropology in Medicolegal Death Investigations. Heart of Texas Sisters in Crime, Austin, TX, August 11.

Wescott, Daniel J. 2013. Forensic Anthropology. Hays County Criminal Justice Association, San Marcos, TX, June 18.

Wescott, Daniel J. 2013. Careers in Forensic Anthropology. Career Day at Sims Elementary School, Austin, TX, May 17.

Wescott, Daniel J. 2013. Interpreting Habitual Activities and Temporal Trends in Behavior Using Long Bone Biomechanics. Baylor University, Department of Anthropology, April 19.

Wescott, Daniel J. 2013**.** Forensic Anthropology in Texas. San Marcos Police Department Citizens Academy. February 12.

Wescott, Daniel J. 2012**.** Human Decomposition in Central Texas. Mississippi State University. November 9.

Wescott, Daniel J. 2012. The Forensic Anthropology Center at Texas State. Criminal Justice, Texas State University. October 18.

Wescott, Daniel J. 2012. The Forensic Anthropology Center at Texas State: what do we do? Hays County Citizen's Sheriff Academy, San Marcos, TX. August 21.

Wescott, Daniel J. 2012. Bones: What Do They Tell Us? Girlstart Summer Camp, Austin TX. August 1.

Wescott, Daniel J. 2012. Careers in Biological Anthropology. Career Day at Sims Elementry, Austin, TX. May 25.

Wescott, Daniel J. 2012. Discussant. Finding a Job You Dig: Careers in Anthropology, Texas State University, April 17.

Wescott, Daniel J. 2012. Forensic anthropology and the Forensic Anthropology Center at Texas State. Pearsall High School, Forensic Sciences Class. April 3

Wescott, Daniel J. 2012. Examining history through skeletal biology. Texas State Forensic Anthropology Association, Texas State University, San Marcos, TX. March 30.

Wescott, Daniel J. 2012. Forensic anthropology and taphonomy. Department of Entomology, Texas A&M University, College Station, TX. March 19.

Wescott, Daniel J. 2012. Careers in forensic anthropology. Texas State University, College Awareness Tour, San Marcos High School Criminal Justice Program, San Marcos, TX. March 8.

Wescott, Daniel J. 2012. Bone biomechanics: forensic anthropological applications. Texas A&M University, College Station, TX. January 31

Wescott, Daniel J. 2011. Forensic anthropology and taphonomy. Face Recognition Workshop: From Bones to Bits. Booz Allen Hamilton Conference Center, Herndon, VA. October 19

Wescott, Daniel J. 2011. The role of forensic anthropology at universities. Syracuse Dialogues in Forensic Sciences, Beyond the NSA Report, Syracuse, NY.

Wescott, Daniel J. 2011. The role of the forensic anthropologist in medicolegal death investigations. Association of Biological and Biomedical Students, Florida Atlantic University, Florida.

Wescott, Daniel J. 2006. Forensic anthropology: identification and analysis of decomposed human remains. Truman University Anthropology Club, Kirksville, MO.

Wescott, Daniel J. 2005. Human remains from the Fenton Mounds. Missouri Archaeology Society Fall Symposium, Columbia, MO.

Wescott, Daniel J. 2005. Forensic anthropology: recovery and skeletal analysis. Missouri Division of the International Association for Identification, Lake of the Ozarks, MO.

Wescott, Daniel J. 2004. Forensic Anthropology, University of Missouri-St. Louis, January.

Wescott, Daniel J. 2004. Human variation and genetic reality: discussion of Jonathan Marks' paper "Hereditarian myths and genetic reality." Symposium: The Social and Cultural Implications of Human Genetics. University of Missouri-Columbia.

3. Consultancies:

2022, Expert Witness, Innocence Project of Texas. Garland Martin v The State of Texas.
2021, Expert Witness, Kerr County District Attorney's Office. Trial of The State of Texas vs Eric Daniel Auld.
2019, Expert Witness, Starr County District Attorney's Office, Trial of The State of Texas vs. Jose Luis Garcia, Jr.
2019, Forensic Osteology, New Braunfels Police Department, New Braunfels, TX
2019, Forensic Osteology, Texarkana Police Department, Texarkana, AR.
2019, Forensic Osteology, Georgetown Police Department, Georgetown, TX.
2019, Forensic Osteology, Montgomery County Forensic Services, Conroe, TX.
2018, Forensic Osteology, Finding Lucas Hernandez Group, Wichita, KS.
2018, Forensic Osteology, Frio County Sheriff's Office, Pearsall, TX.
2018, Forensic Osteology, Montgomery County Forensic Services, Conroe, TX.
2018, Forensic Osteology, San Marcos Police Department, San Marcos, TX.
2018, Forensic Recovery, Hays County Office of Emergency Management, San Marcos, TX.
2017, Forensic Osteology, Texas RioGrande Legal Aid, Beeville, TX.
2017, Forensic Taphonomy, George Papamihail, Barristers and Solicitors, Western Australia
2017, Forensic Osteology, Marble Falls, TX Police Department
2017, Forensic Osteology, Burnet County Sheriff's Office
2017, Forensic Osteology, Greenleaf Safety, LLC,
2016, Forensic Osteology, Texarkana, TX.
2016, Forensic Osteology, City of League of City, TX.
2016, Forensic Osteology, Hays County Sheriff's Office, San Marcos, TX.
2016, Forensic Osteology, Guadalupe County Sheriff's Office, Seguin, TX.
2015, Forensic Osteology, Family of Corey Wood, Lufkin, TX.
2015, Forensic Taphonomy, McGuire-Wood Law Office, Raleigh, NC.
2015, Forensic Osteology, Travis County Medical Examiner's Office, Austin, TX.
2015, Forensic Taphonomy, Lyon County, NM.
2014, Forensic Osteology, Texas Rangers, TDPS, Austin, TX.
2014, Forensic Osteology, Hays County Sheriff's Office, San Marcos, TX.
2014, Forensic Osteology, Galveston Police Department, Galveston, TX.
2013, Forensic Osteology, Texas Rangers, TDPS, Austin, TX.
2013, Forensic Osteology, Starr County Sheriff's Office, Rio Grande City, TX.
2013, Forensic Taphonomy, Hendrickson Law Offices, Mesa, AZ.
2013, Forensic Osteology Analysis (nonhuman bone), Los Fresnos Police Department, Los Fresnos, TX.
2013, Scientific Technical Advisor for Jeff Hancock, author of *Bug World*.
2013, Forensic Taphonomy, Pierce Law Firm, PC. Norman, OK.
2013, Forensic Taphonomy, District Attorney Office, 106th Judicial District.
2013, Forensic Osteology (nonhuman bone), Kyle Police Department, Texas
2013, Forensic Taphonomy, Dallas County Police Department, Texas
2012, Forensic Osteology (nonhuman bone), Cottonwood Shores Police Department, Texas

2012, Forensic Osteology (nonhuman bone), Comal County Sheriff's Office, Texas.
2012, Scientific Technical Advisor for Beth Castrodale, fiction author. Detecting clandestine graves.
2012, Member, Multi-Disciplinary Examination of Thukdam Team. Richard Davidson, University of Wisconsin, Madison, WI.
2012, Scientific Technical Advisor for Val Conrad, author of *Blood of Like Souls* and *Tears of Like Souls*. Taphonomy and human decomposition
2012, Scientific Technical Advisor for Sally M. Walker, author of *Their Skeletons Speak*. Bone biomechanics and reconstructing the lifeways of Kennewick Man
2012, Forensic Osteology, Texas Rangers, Texas
2011, Osteology (Keyhole Cave), National Park Service, Texas
2011, Osteology (41RB112), TRC Environmental Solutions, Texas
2011, Forensic Search, Hays County Sheriff's Office, Texas
2011, Forensic Osteology, (88-1183), Broward County Sheriff's Office, Florida
2010, Forensic Osteology (FIU020110), International Forensic Research Institute, Florida
2008, Forensic Osteology, (MUA081508), Booneville, Missouri
2008, Forensic Osteology, (MUA071608), Shannon County Sheriff's Office, Missouri
2008, Forensic Osteology, (MUA052108), Boone/Callaway Medical Examiner's Office, Missouri
2008, Forensic Osteology Analysis (MUA042208), Boone/Callaway Medical Examiner's Office, Missouri
2008, Forensic Osteology Analysis (MUA050608), Laclede County Sheriff's Office, Missouri
2008, Forensic Osteology Analysis (MUA042408), Crawford County Sheriff's Office, Missouri
2008, Forensic Osteology Analysis (MUA032408), Boone County Sheriff's Office, Missouri
2007, Forensic Osteology Analysis (MUA091107), Division of Drug and Crime Control, Missouri State Highway Patrol, Missouri
2007, Forensic Osteology Analysis (MUA081407), Morgan County Sheriff's Office, Missouri
2007, Forensic Osteology Analysis (MUA081007), Callaway County Sheriff's Office, Missouri
2007, Forensic Osteology Analysis (MUA060807), Ozark County Sheriff's Office, Missouri
2007, Forensic Osteology Analysis (MUA060107), Boone/Callaway Medical Examiner's Office, Missouri
2007, Forensic Osteology Analysis (MUA042407), Boone/Callaway Medical Examiner's Office, Missouri
2007, Forensic Osteology Analysis (MUA042307), Jasper County Sheriff's Office, Missouri
2007, Forensic Osteology Analysis (MUA041907), Missouri State Highway Patrol, Missouri
2007, Forensic Osteology Analysis (MUA040207), Lindley Funeral Home, Missouri
2007, Forensic Osteology Analysis (MUA032707), Columbia Police Department, Missouri
2007, Forensic Osteology Analysis (MUA030507), Columbia Police Department, Missouri
2007, Forensic Osteology Analysis (MUA021307), Moberly Police Department, Missouri
2007, Forensic Osteology Analysis (MUA011307), Ozark Sheriff's Office, Missouri
2006, Forensic Osteology Analysis (MUA122206), Dent County Coroner, Missouri
2006, Forensic Osteology Analysis (MUA113006), Machphelah Cemetery Association, Missouri
2006, Forensic Osteology Analysis (MUA112706), Columbia Police Department, Missouri

2006, Forensic Osteology Analysis (MUA110606), Boone/Callaway Medical Examiner's Office, Missouri
2006, Forensic Osteology Analysis (MUA100406), California Police Department, Missouri
2006, Forensic Osteology Analysis (MUA090606), Ripley County Coroner, Missouri
2006, Forensic Osteology Analysis (MUA082106), Missouri State Highway Patrol, Missouri
2006, Forensic Osteology Analysis (MUA050206), Pulaski County Sheriff's Office, Missouri
2006, Forensic Osteology Analysis (MUA050906), Ripley County Coroner, Missouri
2006, Forensic Osteology Analysis (MUA031006), Missouri Department of Conservation, Missouri
2005, Forensic Osteology Analysis (MUA120505), Trenton Police Department, Missouri
2005, Forensic Osteology Analysis (MUA090205), Office of the Missouri Attorney General, Missouri
2005, Forensic Osteology Analysis (MUA070105), Missouri State Highway Patrol, Missouri
2005, Forensic Osteology Analysis (MUA062205), Columbia Police Department, Missouri
2005, Forensic Osteology Analysis (MUA053105), Missouri State Highway Patrol, Missouri
2005, Forensic Osteology Analysis (MUA050605), Callaway County Sheriff's Office, Missouri
2005, Forensic Osteology Analysis (MUA042705A), Boone/Callaway Medical Examiner's Office, Missouri
2005, Forensic Osteology Analysis (MUA042505B), Lebanon Police Department, Missouri
2005, Forensic Osteology Analysis (MUA041905), Ripley County Coroner, Missouri
2004, Forensic Osteology Analysis (MUA111904), Boone/Callaway Medical Examiner's Office, Missouri
2004, Forensic Osteology Analysis (MUA102404), Boone/Callaway Medical Examiner's Office, Missouri
2004, Forensic Osteology Analysis (MUA070104), Nixa Police Department, Missouri
2004, Forensic Osteology Analysis (MUA060904), Dr. Roy Elfrink, Marshall, Missouri
2004, Forensic Osteology Analysis (MUA060204A), Boone/Callaway Medical Examiner's Office, Missouri
2004, Forensic Osteology Analysis (MUA060204B), Law Office of Cochran, Oswald, and Roam, LLC, Missouri
2004, Forensic Osteology Analysis (MUA050604), Harrison County Sheriff's Office, Missouri
2004, Forensic Osteology Analysis (MUA042604), Canton Police Department, Missouri
2004, Forensic Osteology Analysis (MUA031004), Callaway County Sheriff's Office, Missouri
2003, Forensic Osteology Analysis (MUA102703), Missouri State Public Defender's Office, Missouri
2002, Forensic Osteology Analysis (MUA110502), Boone/Callaway Medical Examiner's Office, Missouri
2002, Forensic Osteology Analysis (MUA091602), Davies County Sheriff's Office, Missouri
2002, Forensic Osteology Analysis (MUA100102), Boone/Callaway Medical Examiner's Office, Missouri

4. Workshops:

Instructor/Organizer: Human Remains Recovery Course, Texas State University, Freeman Ranch, biannually since 2011.

Instructor/Organizer: Forensic Fire Death Investigation, Texas State University, Freeman Ranch, annually since 2019

Instructor/Organizer: Human Osteology, Texas State University, Grady Early Building, annually since 2012

Instructor/Organizer: Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, annually since 2012.

Instructor/Organizer: Identifying Human from Non-Human Bone, Texas State University, annually and on demand since 2012.

Instructor/Organizer: Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, annually since 2012.

Instructor/Organizer: Forensic Anthropology Methods, Texas State University, GEFARL, June 12-16, annually since 2012.

Instructor: Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, annually since 2011

Instructor/Organizer: Justice of the Peace Training, Cause and Manner of Death, Freeman Ranch, annually since 2018.

Instructor: Canine Human Remains Detection Workshop, Texas State University, Freeman Ranch, annually.

Organizer: Competency Assessment in Human versus Non-Human Bone, Texas State University

Instructor/Organizer: U.S. Air Force Office of Special Investigations Proficiency Training, 2019.

Organizer: 11th Military Police Battalion (CID) Death Scene Investigation Proficiency Training. Freeman Ranch, annually since 2018.

Instructor/Organizer: 2018. Federal Bureau of Investigation (Dallas), Buried Human Remains Scene Investigation Training, Freeman Ranch, April 4-5.

Instructor/Organizer: 2013. Basic Forensic Anthropology, Texas State Guard Training, Freeman Ranch, August 17.

Clinician: 2010. Forensic Anthropology, CSI Camp, Lake of the Ozarks, Missouri

Instructor: 2008, Forensic Anthropology for Law Enforcement and Death Investigators, Southern Institute of Forensic Sciences, Saint Joseph, Missouri, March 10 – 15

Instructor: 2007. Forensic anthropology: developing a biological profile. Workshop for forensic pathology interns, Department of Pathology and Anatomical Sciences, University of Missouri, Columbia, MO

Speaker: 2003 - 2008. Distinguishing between human and non-human bone. Annual workshop for Missouri Department of Conservation and Natural Resources Conservation Service staff, Jefferson City, MO.

Co-organizer (with Margaret Steeter): 2003, Forensic Anthropology Techniques and Methods, One day workshop for the Missouri Association of Crime Laboratory Directors, University of Missouri-Columbia, March 28, 2003

Co-organizer (with Ashley McKoewn): Poster symposium entitled “New Approaches to Skeletal Biology of the American Great Plains” at the 2001 annual meeting of the American Association of Physical Anthropologists

Co-organizer: Young Forensic Sciences Forum – Building a Career in Forensic Sciences: Education, Employment, and Expert Testimony, 1998, Abstract in *Proceedings of the American Academy of Forensic Sciences* 4:2, This workshop is designed for scientists in the early stages of their careers. Participants gain information on the need for formal education, certification, employment, and the role of the scientist as an expert witness

Instructor: 1998. Forensic anthropological field excavation techniques. University of Missouri, Columbia, MO.

5. Other Works not in Print:

a. Works submitted or under review

Hassan, Bashar, Adam D. Sylvester, **Daniel J. Wescott,** Deborah L. Cunningham, Paul Manson, Michael P. Grant. An introduction to the orbital buttress. American Association of Plastic Surgeons [abstract submitted].

Chu, Elaine Y., Adam D. Sylvester, Wojciech B. Zbijewski, Gengxin Shi, Lauren Meckel, Deborah L. Cunningham, and **Daniel J. Wescott**. 2024. Adult body mass estimation using femur cross-sectional properties. American Academy of Forensic Sciences [abstract submitted].

Wescott, Daniel J., Elaine Y. Chu, Adam D. Sylvester, Wojciech B. Zbijewski, Gengxin Shie, Lauren Meckel, Deborah L. Cunningham. Macroscopic differences in adult human femora are linked to body mass index. American Academy of Forensic Sciences [abstract submitted].

Sylvester, Adam D., Wojciech Zbijewski, Gengxin Shi, Lauren Meckel, Elaine Y. Chu, Deborah L. Cunningham, **Daniel J. Wescott**. Macroscopic differences in adult femora are linked to body mass index. *Journal of Anatomy* [submitted]

Mickleburgh, Hayley Louise, **Daniel J. Wescott**, Timothy P. Gocha, Kennedy O. Doro, Noemi Procopio, Sarah Gino, Nengi Ogbanga, Lisette M. Kootker, Eugene Robinson. 2023. The Mass Grave Project. Using actualistic taphonomic experiments to advance the investigation of mass graves. 29th Annual Meeting of the European Association of Archaeologists, Belfast, Northern Ireland. [abstract submitted]

Procopio, Noemi, Nengi Obganga, Andrew Nelson, Darren Smith, Timothy Gocha, **Daniel Wescott**, Hayley Mickleburgh. 2023. Exploring post-mortem interval estimation through analysis of the gravesoil thanatomicrobiome of an experimental mass grave. International Association of Forensic Sciences. Sydney, Australia. [abstract submitted]

Mickleburgh, Hayley L., Noemi Procopio, Sarah Gino, Kennedy O. Doro, Nengi Ogbanga, Timothy P. Gocha, Lisette M. Kootker, Saskia Ammer, Eugene Robinson, Michael B. Alexander, **Daniel J. Wescott**. 2023. The Mass Grave Project: an actualistic taphonomic experiment aimed at advancing the investigation of mass graves. International Association of Forensic Sciences, Sydney, Australia [abstract submitted]

Wescott, Daniel J. The Forensic Anthropology Research Facility at Texas State University: factors affecting forensic case interpretation and forensic taphonomy research in Central Texas. In: MH Sorg, WD Haglund (editors). *Haglund and Sorg's Forensic Taphonomy: 21st Century Advances and Regional Variation* [invited; accepted].

b. Works in progress

Gignac, Paul M, Valeria Aceves, Stephanie Baker, Jessica J. Barnes, Joshua Bell, Doug Boyer, Deborah Cunningham[5], Francesco De Carlo, Morgan H. Chase, Karly E. Cohen[1], Matthew Colbert, Theresa De Cree, Juan Daza, Lindsay Dougan, Valerie DeLeon, Franklin Duffy, ChristiAna Dunham, Catherine M. Early, Dave R. Edey, Scott Echols, Scott A. Eckley, Kelsey Fenner, Katheryn P. Franklin, Brent Gila, Freya E. Goetz, Jaimi A. Gray, Devora Gleiber, Alexander S. Hall, Romy Hanna, Markus Hannula, William Harris, Jennifer J. Hill, Casey M. Holliday, Kelsi Hurdle, Aditi Jayarajan, Jaimi Knaub, Amanda Krause, Alice Leavey, Emily J. Lessner, Leigha Lynch, Murat Maga, Jessica Maisano, Kristin Marsh, Mike Marsh, Elizabeth Martin-Silverstone, John Misiaszek, April I. Neander, Haley D. O'Brien, Selby Olson, Eldon Panigot, Susan M. Motch Perrine, Teresa J. Porri, Andre Ramsey, Adam Rountrey, Gary Scheiffele, Edward L. Stanley, Stuart Stock, Claire E. Terhune, Dana Thomas, Camilo Andres Linares Vargas, Megan Veltri, Jason M. Warnett, Akinobu Watanabe, Emily A. Waters, Roger Wende, **Daniel J. Wescott**, Charles B. Withnell, Scott Whittaker, Zoë E. Wilbur, Jordan Wilson, Manon Wilson, Julie Winchester, Christopher M. Zobek. 2023. The Non-Clinical Tomography Users Research Network: why it matters. *Journal of Tomography of Materials and Structures*.

Cunningham, Deborah L., Robert C. McCarthy, Daniel J. Wescott, and Amanda L. Rodriguez. Association between the distal humerus measurement and body mass in modern humans: applications for fossil hominin Melka Kunture (MK) 3.

McCarthy, Robert C., Dalya Kanani, Deborah L. Cunningham, **Daniel J. Wescott**. Revised stature-at-death and adult stature estimates for KNM-WT 15000 (*Homo erectus*). *American Journal of Physical Anthropology* [in progress]

Gleiber, Devora, Deborah L. Cunningham, and **Daniel J. Wescott**. Trabecular structure differences between obese and non-obese individuals. *American Journal of Biological Anthropology* [in progress]

Gleiber, Devora and **Daniel J. Wescott**. Effects of mobility impairment on femoral trabecular and cortical bone structure. *American Journal of Biological Anthropology* [in progress]

c. Other works not in print

Collections Memorandum of Understanding. Grady Early Paleopathology Collection. August 2017, updated 2019.

Research Memorandum of Understanding. Baylor University. Operation Identification. September 2014 – August 2017.

Research Memorandum of Understanding. Aersense Unmanned Sensor Solution, LLC. September 2014 – August 2017.

Research Memorandum of Understanding. Western Carolina University. Methods for Positioning and Siding Distal Phalanges. Provide distal phalanges for Christopher Barrett and Troy Case. September 15, 2011 – September 15, 2014.

Research Memorandum of Understanding. Texas Tech University. Swine decomposition project. Provide assistance for Sara Bell's thesis research. May 1, 2012 – September 31, 2012.

Research Memorandum of Understanding. Teesside University. An investigation into the persistence and degradation of fingerprint ridge details in decedents. Provide assistance and human hands for Lisa Robertson's thesis research. June 1, 2012 – September 1, 2012.

Research Memorandum of Understanding. McMaster University. Stable isotope ratios as a proxy for geographic provenance: do 2H, 18O, 13C, 15N, and 87Sr/86Sr isotopic signatures all tell the same biogeographical story? Provide tooth, bone, hair, and fingernail samples for Anastasia Holobinko's dissertation research. September 15, 2011 – December 31, 2013.

Research Memorandum of Understanding. Texas A&M University. Development and Validation of Standard Operating Procedures for Measuring Microbial Populations for Estimating a Postmortem Interval. Provide assistance for research by Drs. Jeff Tomberlin and Aaron Tarone. November 31, 2011 – August 31, 2012.

C. Grants and Contracts

1. Funded External Grants:

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2023-2025. Forensic Fire Death Investigation: Cross-Disciplinary Research and Performance Standards Development for Structural and Vehicle Fire Scenes [15PNIJ-22-GG-04408-SLFO]. PI: **Daniel J. Wescott**. Co-PIs: Tim Gocha, Sophia Mavroudas, Steve Seddig, and Nicholas Herrmann. $1,087,985 awarded

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2021-2023. Body mass estimation using bone micro- and macro-structure: a practical approach using CT imaging and computer analysis [2020-R2-CX-0048]. PI: **Daniel J. Wescott**, Co-PI: Deborah L. Cunningham. $683,542.

Forensic Science Foundation Lucas Grant, 2019. Detection of clandestine surface and buried remains in central Texas using unmanned aerial systems equipped with infrared and near-infrared sensors: relationship between ground truth and sensor data. PI: **Daniel J. Wescott**, Co-PIs: Thomas Chappell and Eugene Robinson. $5,964.

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2020-2022. Development of best practices and protocols for detecting and documenting clandestine graves and surface human remains with unmanned aerial systems and multispectral remote sensing [2019-DU-BX-0027]. PI: **Daniel J. Wescott**, Co-PI: Derek Anderson, University of Missouri. $286,468.

National Institute of Justice, Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics. Detection and diagnosis of mobility impairment via cortical and trabecular bone properties to aid in the identification of individuals in a medicolegal context [2019-R2-CX-0052]. PI: Daniel J. Wescott (advisor), Co-PI: Devora Gleiber (student), $150,000.

National Science Foundation (Biological Anthropology Program), 2019. Collaborative research: obesity as a natural experiment to investigate bone functional adaptation [1922890]. Texas State University PIs: **Daniel J Wescott** and Deborah L. Cunningham. Johns Hopkins PI: Adam Sylvester. $255,500 requested ($160,439 TXST, $95,061 JHU).

National Science Foundation, MRI Program 2019-2020. MRI: Acquisition of microscopy equipment to enhance histological research in forensic anthropology, biology and bioaracheaology [1920218]. PI: Mavroudas, Sophia R.; co-PIs: David M. Falleur, Michele D. Hamilton, Nicholas P. Herrmann, **Daniel J. Wescott**, $255,140 awarded.

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes, 2018. Stable isotope analysis as a geospatial tool for identification: Intra-individual isotopic variability [2018-DU-BX-0217]. PI: Gwyneth Gordon, T. Saul, J. Stufken, Arizona State University ($570,624). Subcontract PI: **Daniel Wescott**, $3,000 contracted.

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes, 2015. An isotopic taphonomy of human remains [2014-DN-BX-K538]. PI: Gwyneth Gordon and Kelly Knudson, Arizona State University. Subcontract PI: **Daniel Wescott**, $2,043 contracted.

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2015-2017. Validation study of the utility of using total body score and accumulated degree days to estimate the postmortem interval of human remains from three human decomposition research facilities [2014-DN-BX-K009]. PI: Joan Bytheway, Sam Houston State University ($481,200). Subcontract PI: **Daniel Wescott**. $127,097 contracted.

National Science Foundation, MRI Program 2013-2015. MRI: Acquisition of a high-resolution computed tomography system for research and education [1338044]. PI: **Daniel Wescott** (co-PIs: Kate Spradley and Garland Upchurch), $1,007,690 (705,383 from NSF and $302,307 matching from TXST) awarded.

National Institute of Justice, Applied Research and Development in Forensic Science for Criminal Justice Purposes. 2012-2015. Graphical user interface for multi-factorial age-at-death estimation using fuzzy integrals [2011-DN-BX-K538]. PI: **Daniel Wescott**. $417,595 awarded.

Forensic Sciences Foundation, Acorn/Lucas Research Grant. 2008. Dimorphism in auricular surface medial projection. PI: **Daniel Wescott**. $780 awarded.

The State Historical Society of Missouri, Richard S. Brownlee Fund Grant. 2007. The iron coffin from MacPhela: an interdisciplinary effort to reconstruct the history of an early settler of Lexington, Missouri. $450 awarded.

University of Missouri Alumni Association, Dr. Richard Wallace Research Incentive Grant. 2005. Investigating student misconceptions about evolution. PI: Daniel Wescott. $1270 awarded.

Sigma Xi, Grant-in-Aid of Research.1999. Sexual dimorphism and secular change in the asymmetry of humeral and femoral cross-sectional geometry in a Northern Plains tribe. PI: Daniel Wescott. $800 awarded.

William M. Bass Endowment, Research Grant. 1999. Investigating morphological variation in the cranial base of American blacks and whites using geometric morphometry. PI: Daniel Wescott. $793 awarded.

Forensic Sciences Foundation, Acorn/Lucas Research Grant. 1997. Sex and race variation in the second cervical vertebra. PI: Daniel Wescott. $500 awarded.

Nancy Berner Research Fund Grant. 1996. Effect of age on sexual dimorphism in the adult cranial base and upper cervical region. PI: Daniel Wescott. $500 awarded.

2. Funded External Contracts

Colorado State University. 2023-2024. Expanding and Validating the Microbiome Database for Estimating the Postmortem Interval. *National Institute of Justice,* Basic Scientific

Research to Support Forensic Science for Criminal Justice Purposes. Subaward PI: Daniel Wescott. $35,357.

Collaborative Testing Center. Forensic Proficiency Testing. 2021. $1250.

Harris County Institute of Forensic Sciences. Proficiency testing: human surface remains search and recovery. 2021. $750.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2021. $21,000.

Collin County Fire Investigator's Association, Forensic fire death investigation training. 2021. $12,350.

United States Army Mortuary Affairs Division. Death worker training workshop. $1,600.

McGill University. High resolution computed tomography data acquisition of the distal femur. 2021. PIs: Deborah Cunningham and Daniel J. Wescott. $8,850.

Texas Justice Court Training Center, Cause and manner of death: skeletal trauma and taphonomy. 2021. $6,000.

Sam Houston State University, High resolution computed tomography data acquisition of the coronal suture. 2021. $1512.

Liden University, Computed tomography data acquisition for bone mineral density. 2021. $1,840.

Baylor University, High resolution computed tomography data acquisition of fossil specimens. 2020. PIs: Deborah Cunningham and Daniel J. Wescott. $4825.42.

Baylor University, High resolution computed tomography data acquisition of amber fossil. 2020. PIs: Deborah Cunningham and Daniel J. Wescott. $540.

Collin County Fire Investigator's Association, Forensic fire death investigation training. 2020. $5,500.

Regional Public Defender for Capital Cases, Forensic anthropological services: State v. Satterfield. 2020. $14,354.

Pennsylvania State University, High resolution computed tomography data acquisition. 2019-2020. $8,000.

United State Army Military Police Criminal Investigation Command, Military police CID proficiency training. 2020. $8,950.

United State Army Military Police Criminal Investigation Command, Military police CID death investigation training at Fort Hood, TX. 2020. $5,166.

John Hopkins University, High resolution computed tomography data acquisition. 2019. $4410.

Collin County Fire Investigator's Association, Forensic fire death investigation training. 2019. $3,790 contracted.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2019. $20,000.

Texas Justice Court Training Center, Cause and manner of death: skeletal trauma and taphonomy. 2019. $6,300.

United States Air Force Office of Special Investigations, Forensic proficiency training. 2019. $7,210.

United State Army Military Police Criminal Investigation Command, Military police CID proficiency training. 2019. $7,210.

Texas Department of Transportation (AmaTerra Environmental), Skeletal analysis and inventory of the Casa Frio Burial. 2019. $2,720.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2018. $22,000.

Texas Department of Transportation (AmaTerra Environmental), Burial Removal along the Frio River at US 57 Bridge. 2018. PIs: Daniel J. Wescott, Nicholas P. Herrmann, James D. Kilby. $10,000.

Texas A&M Engineering Extension Services, Fire fatality investigation training. 2018. $3,416.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2017. $16,000.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2016. $20,000.

SI Bone Inc., High resolution computed tomography acquisition. 2015. $3,500.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2015. $18,000.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2014. $19,000.

Texas A&M Engineering Extension Services, Skeletal death investigation training. 2013. $19,000.

American Registry of Pathology, 2012. Microbial ecology of human decomposition. $10,000.

Corpus Christi Museum of Science and History. 2012. NAGPRA analysis of skeletal remains. $5202.

TRC Environmental Corp. 2012. Analysis of human remains from 41RB112. $400.

3. Submitted, but not Funded, External Grants and Contracts:

National Science Foundation (Biological Anthropology Program). A multiscale approach to bone metastasis: micro-CT and Fourier Transformation Infrared Spectroscopy as analytical tools for bioarchaeology. PI: Carina Marques, University of Texas Rio Grande Valley, USA, Co-PI: Jane Buikstra, Arizona State University, USA, Paula Marques, University of Coimbra, Portugal, Vitor Matos, University of Coimbra, Portugal, and Daniel J. Wescott, Texas State University.

National Institute of Justice, Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics. Using cortical and trabecular bone structural properties for estimating activity patterns in decedents to aid in identification of unknown human remains in a medicolegal context PI: Daniel J. Wescott (advisor), Co-PI: Shelby Garza (student), $150,000. Proposal 4132 [pending]

National Institute of Justice, Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics. The effect of activity level and obesity on bone aging and their utilization in forensic identification PI: Daniel J. Wescott (advisor), Co-PI: ChristiAna Dunham (student), $150,000. Proposal 4138 [pending]

State of Texas Exceptional Item Funding Request, Texas Forensic Science Academy. 2022. $3,606,732 [pending]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2022. Dissolution of Osseous Materials as a DNA Extraction Method. Subaward with George Mason University, Subaward PI: Daniel Wescott. $13,786 requested [pending]

National Science Foundation, Major Research Instrumentation. 2022. NSF MRI: Acquisition of X-ray Computed Tomography Microscope for Research, Education, and to Increase

Diversity in the STEM Workforce. PI: Daniel J. Wescott, Co-PIs: Deborah L. Cunningham, Xijun Shi, Sophia Mavroudas, Timothy P. Gocha, $2,364,039 [pending]

National Science Foundation Doctoral Dissertation Research Improvement Grant. 2022. Doctoral Dissertation Research: Cortical and Trabecular Bone Structural Variation in Association with Known Activity. PI: Daniel J. Wescott, Co-PI: Shelby Garza, $30,037 requested [pending]

National Science Foundation Center for Research Excellence in Science and Technology (CREST). 2021. Letter of Interest submitted to Texas State University Office of Research and Sponsored Programs. $5,000,000 requested [not awarded]

American Academy of Forensic Sciences Humanitarian and Human Rights Resource Center 2021. A virtual 3D training tool for mass grave excavation and documentation. PI: Hayley Mickleburgh, Co:PIs: Daniel J. Wescott and Paul Emanovsky. $10,076 requested [not awarded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2021. Forensic Fire Death Investigation: Cross-Disciplinary Research and Performance Standards Development for Structural, Vehicle, and Open-Pit Fire Scenes. PI: Daniel Wescott. Co-PIs: Tim Gocha, Sophia Mavroudas, Steve Seddig, and Nicholas Herrmann. $774,845 requested [not awarded]

National Science Foundation (Biological Anthropology Program), 2021. Collaborative research: Intra-individual plasticity of bone in humans in response to life experience [2117565]. Texas State University PIs: **Daniel J Wescott** and Deborah L. Cunningham. Arizona State University PI: Gwyneth Gordon, Middle Tennessee State University PI: Tiffany Saul. $397,132 requested ($219,752 TXST, $125,497 ASU, 51,883 MTSU). [not funded]

American Academy of Forensic Sciences Humanitarian and Human Rights Resource Center 2020. Experimental mass grave research: an actualistic study aimed at advancing methods of detection, excavation and documentation of mass graves and identification of the individuals buried within them. PI: Hayley Mickleburgh, Co:PI: Daniel J. Wescott. $10,132.76 requested [not funded].

National Science Foundation, Doctoral Dissertation Research Improvement. 2020. Investigating variation in trabecular and cortical bone structure due to mobility impairment: a natural experiment in reduced loading. PI: Daniel J. Wescott, Co-PI: Devora Gleiber. $21,527 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2020. Assessment of seasonal and geographic effects on the pre-colonization interval and components used to estimate the time of colonization: towards estimating the full postmortem interval with insect evidence. Subcontract with University of Tennessee. Subcontract PI: Daniel Wescott. $24,333 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2020. Understanding geophysical anomalies for forensic investigation (uGAFi) – detection and spatial-temporal variation around decaying bodies. Subcontract with University of Toledo. Subcontract PI: Daniel Wescott. $21,722 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2019. Beyond the chalk outline: physical and chemical

footprints of cadavers in the environment. Subcontract with University of South Florida. Subcontract PI: Daniel Wescott. $5,579 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2019. Novel quantitative approach to postmortem interval (PMI) estimation of human cadavers. Subcontract with Virginia Commonwealth University. Subcontract PI: Daniel Wescott. $6,611 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2019. Locating the cadaver decomposition island and determination of the post-mortem interval using soil chemistry under scavenged and intact human remains. Subcontract with Texas A&M University. Subcontract PI: Daniel Wescott, $66,389 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2019. An actualistic study of the sequence of joint disarticulation and necrodynamics for purposes of reconstructing clandestine graves. PI: Daniel J. Wescott, Co-PI: Hayley Mickleburgh, Leiden University. $472,135 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2019. Novel method approximating body mass index category using skeletal remains. PI: Daniel Wescott. Johns Hopkins co-PIs: Adam Sylvester and Wojciech Zbijewski. $728,909 requested [under review]

National Science Foundation (Biological Anthropology Program), 2018. Collaborative research: obesity as a natural experiment to investigate bone functional adaptation. Johns Hopkins PI: Adam Sylvester. Texas State University PI: Daniel J Wescott; Co-PI: Deborah L. Cunningham. $160,323 requested [recommended but not funded]

National Science Foundation (Biological Anthropology and Archaeology Programs), 2018. The sequence of skeletal disarticulation and displacement: an actualistic study to aid in the reconstruction of funerary practices in archaeology. PI: Daniel J Wescott; Co-PI: Hayley Mickleburgh, Leiden University. $197,481 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2018. Development of best practices and protocols for detecting and documenting clandestine graves and surface human remains with unmanned aerial systems and multispectral remote sensing. PI: Daniel J. Wescott, Co-PI: Derek Anderson, University of Missouri. $426,951 [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2018. An actualistic study of the sequence of joint disarticulation and necrodynamics for purposes of reconstructing clandestine graves. PI: Daniel J. Wescott, Co-PI: Hayley Mickleburgh, Leiden University. $354,715 [not funded]

National Science Foundation (Biological Anthropology and Archaeology Programs), 2018. The sequence of skeletal disarticulation and displacement: an actualistic study to aid in the reconstruction of funerary practices in archaeology. PI: Daniel J Wescott; Co-PI: Hayley Mickleburgh, Leiden University. $324,503 [not funded]

Wenner-Gren Foundation for Anthropological Research, Post-PhD Research, 2017. Temporal trends in femoral length and stature in early genus *Homo*. PI: Robert McCarthy, Benedictine University; Co-PIs: Deborah L. Cunningham and Daniel J. Wescott. $20.000 [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2017. Detecting and processing clandestine human remains with unmanned aerial systems and multispectral remote sensing: development of best practices and protocol for locating, assessing, and documenting outdoor surface and buried human remains. PI: Daniel J. Wescott, Co-PIs: Derek Anderson and Robert Moorhead, Mississippi State University. $477,994 [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2016. In-field estimation of postmortem interval: UV-Vis near-infrared spectroscopy and x-ray fluorescence. PI: Jeffery Tomberlin, Texas A&M University ($784,081). Subcontract PI: Daniel Wescott. $98,346 contracted [not funded].

Combating Terrorism Technical Support Office, Technical Support Working Group. CTTSO/TSWG 15-Q-3358. Effects of Decomposition on Biometric Identification. PI: Daniel Wescott. $416,580 requested. [Approved for second phase of bid, declined].

Forensic Science Foundation, Lucas Grant. 2015. Longitudinal study of grave appearance, soil chemistry, and soil microbial biodiversity in central Texas. PI: Daniel Wescott. $4,394 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2015. Development of an accurate method for estimating the postmortem interval for human remains in a subtropical terrestrial ecosystem: examination of upper threshold events and season of death on human decomposition. PI: Daniel Wescott. $499,842 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2015. In-field estimation of postmortem interval: UV-Vis near-infrared spectroscopy and x-ray fluorescence. PI: Jeffery Tomberlin, Texas A&M University ($784,081). Subcontract PI: Daniel Wescott. $91,806 contracted [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2014. A biosystems approach to estimating the postmortem interval from skeletal remains. PI: Melinda Harman, Clemson University. Subcontract PI: Daniel Wescott. $2,180 requested [not funded].

National Science Foundation-National Institute of Justice, Industry/University Cooperative Research Center. 2014. Planning Grant: Necrobiome Research and Its Application in Decomposition Ecology and Forensic Sciences. Texas State University PI: Daniel Wescott [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2014. Development of an accurate method for estimating the postmortem interval for human remains in a subtropical terrestrial ecosystem: examination of upper threshold events and season of death on human decomposition. PI: Daniel Wescott. $629,573 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2014. Assessing long-term changes in plant 15N as a forensic tool to identify clandestine graves. PI: Amy Mundorff, University of Tennessee. Subcontract PI: Daniel Wescott. $11,716 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2014. A biosystems approach to estimating the postmortem

interval from skeletal remains. PI: Melinda Harman, Clemson University. Subcontract PI: Daniel Wescott. $4,964 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2013, Validation study of the utility of using total body score and accumulated degree days to determine the post-mortem interval of human remains from three human decomposition research facilities. PI: Joan Bytheway, Sam Houston University, Subcontract: $180,077 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2013, Development of a histology method to estimate age from decalcified stained section of human rib bone. PI: Deborah Pinto, Harris County Institute of Forensic Science. Subcontract: $1,596 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2013. Determining the postmortem interval using citrate concentration in human skeletal remains. PI: Katherine Weisensee, Clemson University. Subcontract: $1,552 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes, 2013. An isotopic taphonomy of human remains. PI: Gwyneth Gordon and Kelly Knudson, Arizona State University. Subcontract: $1,000 requested [not funded]

University of Tennessee, Applied Research Grant. 2013. Examination of plant nitrogen levels associated with mass graves. PI: Amy Mundorff, University of Tennessee. Subcontract: $59,426 requested [not funded].

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2012. Fundamental research on decomposition: verification of murine and swine models as human cadaver surrogates using microbiological, entomological, and chemical analysis of decomposition. Subcontract with Florida International University. Subcontract PI: Daniel J. Wescott, $80,833 requested [not funded]

National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2012. Sr and Pb isotopic identification of commingled remains. Subcontract with Arizona State University. Subcontract PI: Daniel J. Wescott, $1400 requested [not funded]

National Science Foundation, MRI Program 2012. MRI: Acquisition of a high resolution computed tomography system for research and education. PI: Daniel Wescott, $867,765 requested [not funded]

Department of Defense, Forensic Research and Development Program. 2011. Next-generation sequencing to identify regions of the human genome that resist degradation: improving the analysis of challenging DNA samples. PIs: Aaron Tarone, Christine Picard, Lori Baker, Daniel Wescott, $700,000 requested [not funded]

L.S.B. Leakey Foundation, Research Grant, 2008. Effects of bone length on cross-sectional shape indices. PI: Daniel Wescott. $21,281. Requested [not funded]

Wenner-Gren Foundation, Post-Doctoral Research Grant. 2008. Secular change in human long bone diaphyseal strength and shape in the United States. PI: Daniel Wescott, $24,500 requested [not funded]

4. Funded Internal Grants and Contracts:

Texas State University Run to R1 Postdoctoral Catalyst Program. Increasing knowledge of the effect of body size, age, and health on bone structural properties using high resolution computed tomography and histology. 2023-2025. PI: Daniel Wescott, Co-PIs: Deborah Cunningham, Timothy Gocha, Sophia Mavroudas. $50,000 + fringe benefits per year.

Texas State University, Research Enhancement Program. 2020. Estimating postmortem interval prior to arson using body position, skeletal burn patterns, and bone fracture characteristics. PI: Daniel J. Wescott. $8000 awarded.

Texas State University, Multi-disciplinary Internal Research Grant. 2015. Examination of upper threshold events on the necrobiome associated with human decomposition in a subtropic ecosystem. PI: Daniel J. Wescott, Co-PI: Rodney Rohde, Ken Mix, Jeffery Tomberlin. $25,000 awarded.

Texas State University, Research Enhancement Program. 2014. Detection of clandestine graves and surface remains in Central Texas using remote sensing. PI: Daniel J. Wescott. $7482 awarded.

Texas State University, Associated Student Government Rising Scholarly Travel Activity and Research (S.T.A.R.) grant. 2013. Historical research on the Shiloh Methodist Cemetery in Cedar Creek, MO. $700 match grant to pay for student to travel and assist with research

University of Missouri, Research Board Grant. 2008. Secular change in human long bone strength and shape indices in the United States from 1800 – 1980. PI: Daniel Wescott, $26,700 awarded

University of Missouri, Research Council Grant. 2008. Bioarchaeological investigation of the Shiloh Methodist Cemetery: Health, Diet, and Activity of African Americans during the mid-19th Century. PI: Daniel Wescott, $7,191 approved

University of Missouri, Research Council Summer Research Fellowship. 2008. Secular change in human long bone diaphyseal strength and shape in the United States. PI: Daniel Wescott, $7,000 awarded

University of Missouri, Research Council Grant. 2006. Secular change in femur diaphyseal strength and shape in the United States. PI: Daniel Wescott. $3451 awarded

University of Missouri, Big 12 Faculty Fellowship. 2005. Osteological analysis of human remains from the battle of Resaca de la Palma, 1846. PI: Daniel Wescott. $2110 awarded

University of Missouri, Department of Anthropology Research Incentive. 2005. Ontogeny of femur subtrochanteric shape. PI: Daniel Wescott. $1500 awarded

University of Missouri Alumni Association, Dr. Richard Wallace Research Incentive Grant. 2005. Investigating student misconceptions about evolution. PI: Daniel Wescott. $1270 awarded

University of Missouri, Research Council Grant. 2004. Ontogeny of femoral and humeral diaphysis geometry. PI: Daniel Wescott. $5418 awarded

4. Submitted, but not Funded, Internal Grants and Contracts:

Texas State University, The International Research Accelerator. 2022. Forensic Investigation of Mass Graves: A Multidisciplinary and International Actualistic Study for Advancing Methods of Detection, Excavation, Documentation, and Interpretation of Mass Graves. PI: Daniel Wescott. $13,458 requested [not funded]

Texas State University, Denise M. Trauth Endowed Presidential Research Professorship. 2021. Forensic investigation of mass graves: an actualistic study for advancing methods of detection, excavation, documentation, and interpretation of mass graves. $75,000 requested [not funded]

Texas State University, Research Enhancement Program. 2017. The sequence of skeletal disarticulation: an actualistic study to aid in the reconstruction of funerary practices in archaeology. PI: Daniel J. Wescott. $7853 requested [not funded].

D. Fellowships, Awards, Honors:

Recipient: College of Liberal Arts 2019 Grant and Proposal Writing Certificate

Recipient: College of Liberal Arts 2016 Presidential Distinction Award for Excellence in Scholarly/Creative Activities

Recipient: Dean's Award for Excellence in Grant and Contracting Funding, College of Liberal Arts 2014 ($1000).

Recipient: College Achievement Award for Excellence in Scholarly/Creative Activities, College of Liberal Arts, 2014 ($1000).

Recipient: Dean's Award for Excellence in Grant and Contracting Funding, College of Liberal Arts, 2013 ($1000).

Recipient: College Achievement Award for Excellence in Scholarly/Creative Activities, College of Liberal Arts, 2013 ($1000).

Recipient: *Best Paper Award,* IEEE International Conference on Fuzzy Systems, Brisbane, Australia, June 2012

Research on Kennewick Man highlighted in children's book *Their Skeletons Speak: Kennewick Man and the Paleamerican World* by Sally M. Walker and Douglas W. Ousley

Recipient: *Ellis R. Kerley Award*. Award given by the Kerley Forensic Sciences Foundation for the paper best demonstrating originality, creativity, depth of research, innovation, new methodologies, research design, significance to the field, and/or potential impact on the practices of forensic anthropology. February 2007. $1000

Recipient: *Faculty Grant Writing Institute*. Sponsored by the University of Missouri Office of Research. 2007. $6000

IV. SERVICE

A. Institutional

1. University

Liberal Arts Representative, UPPS Development Committee: Graduate Student Funding Applications via ORSP. 2022 - present

Anthropology Representative, Laboratory Safety Committee, 2021 - present

Anthropology Representative, Selection Committee for the University Scholars Committee. 2015-2016.

Member, Freeman Center Advisory Committee, Texas State University. April 2012 - present

Grant Reviewer, University of Missouri New Faculty Teaching Scholars, Scholarship of Teaching Grant. September 2004

Committee Member, University of Missouri New Faculty Teaching Scholars, GTA Recruitment Committee, July 2004

2. College

Committee Member, College of Arts and Science Curriculum, Instruction, and Advising Committee, University of Missouri, 2004 – 2006

3. Departmental

a. Texas State University, Department of Anthropology

Member: Outstanding Doctoral Student Selection Committee, 2023
Member: Merit Committee, 2022
Member: Applied Cultural Anthropology Faculty Search Committee, Fall 2021 / Spring 2022
Chair: FACTS Associate Director Search Committee, Spring 2019
Member: Graduate Student Award Committee, Spring 2017.
Member: Department Presidential Award Nominee Selection Committee, Spring 2017
Chair: Cultural Anthropology Faculty Search Committee, Fall 2015 / Spring 2016
Member: Grant Administrative Assistant Search Committee, Fall 2015
Member: Forensic Anthropology Faculty Search Committee, Fall 2014/Spring 2015
Member: Merit Allocation Committee, Spring 2015.

b. *Florida International University, Department of Biological Sciences*

Member: Education Committee, 2010 -2011
Member: Lecture/Instructor Promotion Committee, 2010 – 2011
Chair: Lecturer Search Committee, Fall 2010

c. *University of Missouri, Department of Anthropology*

Faculty Advisor: Lambda Alpha National Honor Society, Gamma of Missouri, 2004 - 2008
Member: Chair's Advisory Committee, 2006 – 2007
Member: Leader's Student Paper Committee, 2006 – 2007
Member: Biological Anthropology Recruitment Committee, 2007
Member: Cultural Anthropology Recruitment Committee, 2004
Member: Graduate Studies Committee, 2003 – 2008
Member: Undergraduate Studies Committee, 2003 – 2008
Member: Lecture Committee, 2003 – 2006
Member: Casts / Collection Committee, 2003 – 2008

B. Professional:

Member: Non-Clinical Tomography Users Research Network. Reuse and Open Science committees. January 2023 – present.
Member: Facility Review Committee, Southeast Texas Applied Forensic Sciences Facility, Spring 2020
Promotion External Reviewer: Uniformed Services University of Health Sciences, Fall 2018

Tenure External Reviewer: Binghamton University, Fall 2018; University of Nebraska, Spring 2021
Associate Editor: *American Journal of Physical Anthropology*, July 2014 - 2018
Editorial Board member: *Journal of Forensic Sciences*. 2007 – 2022
Book Review Editor: *American Journal of Physical Anthropology*, May 2012 - 2018
Judge: J. Lawrence Angel Student Paper Competition, Physical Anthropology Section of American Academy of Forensic Sciences, Anthropology, 2004, 2010, 2016
Grant Reviewer: Social Sciences and Humanities Research Council of Canada, Fall 2014
Chair: Education Committee, American Association of Physical Anthropologists, 2011 – 2015
Tenure External Reviewer: Clemson University, 2013
Judge: Student Paper Competition, American Association of Physical Anthropologists, 2007 – present.
Judge: Politzer Student Travel Award Committee, American Association of Physical Anthropologists, 2010, 2012 - 2017.
Member: American Academy of Forensic Sciences, Physical Anthropology Section Program Committee. August 2009 – February 2010
Member: American Association of Physical Anthropologist Program Committee. July 2009 – April 2010
Member: American Association of Physical Anthropologist Program Committee. July 2008 – April 2009
Speaker: Forensic Anthropology for Law Enforcement and Death Investigators, Southern Institute of Forensic Sciences, Saint Joseph, Missouri, March 10 – 15, 2008
Peer-Reviewer: *American Journal of Physical Anthropology*, *Anthropologie*, *International Journal of Osteoarchaeology*, *Journal of Archaeological Science*, *Journal of Forensic Sciences*, *Journal of Human Evolution, Latin American Antiquity*
Moderator: Current Issues in Forensic Anthropology, Physical Anthropology Section of the American Academy of Forensic Sciences, San Antonio, TX, February 24, 2007
Assistant: Annual Meeting Program Committee: Physical Anthropology Section, August 2006 – February 2007. American Academy of Forensic Sciences, San Antonio, TX, February 2007
Chair: Missouri Association of Professional Archaeologists' "Student Research Grant" committee. June 2005 – March 2006
Board Member: Missouri Association of Professional Archaeologists. May 2005 – May 2008
Guest Reviewer: 2004-2006. Journal of Forensic Sciences
Workshop Co-organizer (with Margaret Steeter). Forensic Anthropology Techniques and Methods (2003), One day workshop for the Missouri Association of Crime Laboratory Directors, University of Missouri-Columbia, March 28, 2003
Moderator: Skeletal Biology I, American Association of Physical Anthropologists 71st annual meeting, Buffalo, NY, April 2002
Symposium Co-organizer (with Ashley McKoewn), Poster symposium entitled "New Approaches to Skeletal Biology of the American Great Plains" at the 2001 annual meeting of the American Association of Physical Anthropologists
Moderator: Midwest Bioarchaeology and Forensic Anthropology Association 7th annual meeting, University of Missouri-Columbia, October 2000

Workshop Co-organizer: Young Forensic Sciences Forum – Building a Career in Forensic Sciences: Education, Employment, and Expert Testimony (1998), Abstract in *Proceedings of the American Academy of Forensic Sciences* 4:2, This workshop is designed for scientists in the early stages of their careers. Participants gain information on the need for formal education, certification, employment, and the role of the scientist as an expert witness

Member: Young Forensic Science Forum steering committee (1997-1998), American Academy of Forensic Sciences

Graduate Student Representative: Department of Anthropology, University of Tennessee. 1998-1999

Vice President: Lambda Alpha National Honor Society, Alpha of Kansas. 1995-1996

Graduate Student Representative: Department of Anthropology, Wichita State University. 1994

Vice President: Anthropology Club, Wichita State University, Wichita, KS. 1992

C. Community:

Provisional Member: Florida Emergency Mortuary Operations Response System (FEMORS), May 2010 –May 2011

Consultant Forensic Anthropologist: Broward County Sheriff's Office, Ft. Lauderdale, FL 2010 - present

Forensic Anthropologist: Department of Anthropology, Human Skeletal Identification Laboratory, University of Missouri-Columbia, 2001 – 2009

D. Service Honors and Awards

Recipient: Community Partnership Award, San Marcos Police Department. February 2022

Recipient: Certificate of Appreciation. Collin County Fire and Arson Investigations Association. October 2019.

Recipient: Certificate of Appreciation. 11th Military Police Battalion. March 2019

Recipient: Certificate of Appreciation. 11th Military Police Battalion. March 2018

Recipient: Certificate of Commendation. Missouri Division of the International Association for Identification. October 2005