

## ***TEXAS STATE VITA***

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### **I. Academic/Professional Background**

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#### ***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

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**II. TEACHING**

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***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

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*

- Robin Stubbs (2020-present) TBA, Florida International University, Department of Biological Sciences
- Jennifer Barron (2019-present) “Investigating the Research Gap Between Bioethics Theory and Practice within the US Historic Skeletal Remains Collections,” Texas State University, Department of Anthropology
- Justin Goldstein (2019-present) “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 (2019-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 (2018-present) “An Exploration of Histological Variation in the Human Rib: Applications for Age Estimation in 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), “Histomorphometric Characteristics of the Subadult Rib Cortex,” University of Missouri

*MA Theses - Chaired*

- 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 Isoscoping 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 19<sup>th</sup> and 20<sup>th</sup> Centuries"
- Hanna Holley (2016-2018), "Environmental Effect on Pattern and Rate of Mummification in Different Climatic Zones," Texas State University
- Chaunesey Clemmons (2015-present), "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*

Stephanie Mundine (2019-present), “Assessing Frailty and Chronic Disease in Modern Human Skeletal Remains.”  
 Fatimah Bouderdaben (2019-present), “Variation in the Pelvis Across Populations: A Geometric Morphometric Analysis”  
 Alexis Baide (2019-present), “Exploring the Effect of Diabetes Mellitus on Isotopic Ratios”  
 Ivanna Robledo (2019-present), “Cranio-metric Analysis of South American Samples to Aid in Migrant Identification”  
 Hailey Collord-Stalder (2018-2020), “Digital Microscopic Methods for Sharp Force Trauma in Buried Human and Nonhuman Remains”  
 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 Cranio-metric 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), “Cranio-metric Variation of Modern Asian and Hispanic Individuals Using Multivariate Analysis” Texas State University  
 Justin Pyle (2014-2016), “Assessment of Behrensmeier’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 Postmortem 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*

- 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 Moisture 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 McDanel (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

*2. Curriculum Development*

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*

- Visiting Scientist, Gleiber, Devora (PhD) (Mentor). Visiting Scientist Program, Office of Chief Medical Examiner in New York City.
- Fellowship, Tyner, Tamera (MA). (Mentor). Grady Early Foundation Forensic Anthropology Fellowship. "Validating isoscaping methods: a study of hydrogen, oxygen, strontium, and sulfur." In progress (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." In progress (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." In progress (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 19<sup>th</sup> and 20<sup>th</sup> 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, McDanel, 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)

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### III. SCHOLARLY/CREATIVE

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#### A. Works in Print

##### 1. Books (if not refereed, please indicate)

##### *d. Chapters in Books:*

- 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*, 2<sup>nd</sup> 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:

- Baide, Alexis, Charlie Farber, Mark Krimmer, **Daniel Wescott**, and Dmitry Kurouski. 2020. Precise and non-invasive post-mortem interval diagnostics using a hand-held Raman spectrometer. *Forensic Chemistry* [in press].
- 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.
- Christensen, Angi M., Michael A. Smith, Devora Gleiber, Deborah L. Cunningham, and **Daniel J. Wescott**. 2018. The use of industrial and other alternative CT technologies in forensic anthropology. *Forensic Anthropology* 1(2):124-140.
- Wescott, Daniel J.**, Dawnie Wolfe Steadman, Nicole Miller, Kelly Sauerwein, Chaunesey M. Clemmons, Devora S. Gleiber, Chloe P. McDanel, 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 McDanel, 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 [Impact Factor: 1.244]
- 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:*

- 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:

- 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**. Validation study of the utility of using total body score and accumulated degree days to determine the postmortem interval of human remains. 2018. 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.** 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.** 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.
- Wescott, Daniel J.**, Lauren A. Meckel, Shelby Garza, and Kari Helgeson. 2017. Inventory and Analysis of Ash from Burn Pile Associated with Case 2017-TRD-500015863. Report submitted to Texas Department of Public Safety, Texas Ranger Company D, Rio Grande City, TX.
- Wescott, Daniel J.** and Nicholas P. Herrmann. 2016. Recovery and analysis of human remains: Kerr County Sheriff's Office Case 2016-11792. Report submitted to the Kerr County Sheriff's Office, Kerrville, TX.
- Wescott, Daniel J.** and Sophia Mavroudas. 2016. Anthropological analysis of skeletal remains: Kerr County Sheriff's Office Case 2016-11465. Report submitted to the Kerr County Sheriff's Office, Kerrville, TX.

- Wescott, Daniel J.**, Nicholas Herrmann, M. Kate Spradley, Sophia Mavroudas. 2016. Anthropological analysis of partial skeleton found in Guadalupe County (Case 16-02787). Report submitted to Judge Todd Friesenhahn, Justice of the Peace, Seguin, TX.
- Wescott, Daniel J.**, Alejandra Ayala Bas, Devora Gleiber, Alexandria Goots, Chloe McDaneld, Lauren Meckel, Justin Pyle, and Courtney Siegert. 2015. Anthropological analysis of Jimmy Williams' skeletal remains. Report submitted to Gary Williams and family, Sayre, OK.
- Wescott, Daniel J.**, Devora Gleiber, Chloe McDaneld, Lauren Meckel, and Courtney Siegert. 2015. F04-2015: Anthropological analysis of Corey Wood's skeletal remains. Report submitted to Darci Halloway and family, Lufkin, TX.
- Wescott, Daniel J.** 2015. Anthropological analysis of PA 15-00358: cranium of unidentified fetus/infant. Report submitted to the Travis County Medical Examiner's Office, Austin, TX.
- Wescott, Daniel J.** 2014. Forensic taphonomy report: case no: C-92-126. Report submitted to Lyon County Sheriff's Office, Yerington, NV.
- Wescott, Daniel J.** 2014. Anthropological analysis of ME 14-3664: remains of unidentified child. Report submitted to the Travis County Medical Examiner's Office, Austin, TX.
- Hentschel, Kelsee and **Daniel J. Wescott**. 2013. Analysis of human skull from Starr County, Texas. Report submitted to the Star County Sheriff's Office.
- Wescott, Daniel J.** 2013. Decomposition of human remains from Arizona. Report submitted to Hendrickson Law Offices, Mesa, AZ.
- Wescott, Daniel J.** 2013. Decomposition odor in carpet. Report submitted to Pierce Law Firm, Norman, OK.
- Wescott, Daniel J.** 2010. Examination of bones from Dade County, FL. Report submitted to Dr. DeEtta Mills, Florida International University, Miami, FL.
- Wescott, Daniel J.** 2008. Case MUA050608: examination and identification of human skeletal remains. Report submitted to the Laclede County Sheriff's Office, Lebanon, MO.
- Wescott, Daniel J.** 2008. Case MUA042208: examination of human remains. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Child, Stephanie and **Daniel J. Wescott**. 2007. Case MUA081407: examination of seized human cranium. Report submitted to the Morgan County Sheriff's Department, Versailles, MO.
- Wescott, Daniel J.** 2007. Case MUA060807: examination of human remains discovered in Ozark County. Report submitted to Ozark County Sheriff's Department, Gainesville, MO.
- Wescott, Daniel J.** 2007. Case MUA042407: examination of human skeletal remains. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2007. Case MUA042307: examination of human jaws. Report submitted to Jasper County Sheriff's Office, Carthage, MO.
- Wescott, Daniel J.** 2007. Case MUA041907: examination of possible human hand. Report submitted to Missouri State Highway Patrol, Macon, MO.
- Wescott, Daniel J.** 2007. Case MUA122706: examination of bone fragment from Dent County. Report submitted to Dent County Coroner, Salem, MO.

- Wescott, Daniel J.** 2006. Case MUA110606: examination of human cranium. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2006. Case MUA082106: examination of organic material discovered near Washington, MO. Report submitted to the Missouri State Highway Patrol, Jefferson City, MO.
- Wescott, Daniel J.** 2006. Case MUA052206: recovery and examination of partial skull from Pulaski County. Report submitted to the Pulaski County Sheriff, Waynesville, MO.
- Wescott, Daniel J.** 2005. Case MUA090205: examination of Naomi White's skeletal remains. Report submitted to the Office of the Missouri Attorney General, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Case MUA111904: examination of human skeletal remains. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2004. Case MUA060404: examination of bone fragment. Report submitted to Cochran, Oswald, and Roam, LLC, Blue Springs, MO.
- Wescott, Daniel J.** 2004. Cases MUA060204A&B: examination of human body parts found in the Missouri River. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2004. Case MUA050604: examination of human skull cap. Report submitted to the Harrison County Sheriff's Office, Bethany, MO.
- Wescott, Daniel J.** 2004. Case MUA042604: examination of bone found in Heetco parking lot in Canton, MO. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2004. Case MUA031004: examination of possible disturbance of the Holt Family Cemetery. Report submitted to the Callaway County Sheriff's Department, Fulton, MO.
- Wescott, Daniel J.** 2003. Case MUA102703: examination of age from hand radiographs. Report submitted to Attorney Jeff Griffin, Kansas City, MO.
- Wescott, Daniel J.** 2002. Case MUA100102: examination of humans skeletal remains. Report submitted to the Boone/Callaway Medical Examiner's Office, Columbia, MO.
- Wescott, Daniel J.** 2002. Case MUA091602: examination burned human remains. Report submitted to the Davies County Sheriff's Department.

#### Bioarchaeology Reports

- Garza, Shelby, Kari Helgeson, Nicholas Herrmann, Courtney Siegert, Daniel Wescott. 2018. Anthropological analysis of skeletal remains found under US57 Bridge at the Frio River in Frio County, Texas. Report submitted to AmaTerra.
- Purcell, Maureen and Daniel J. Wescott. 2012. Inventory and analysis of bones, artifacts, and ecofacts from the Corpus Christi Museum of Science and History. Report submitted to the Corpus Christi Museum of Science and History, Corpus Christi, TX.
- Wescott, Daniel J.** 2011. Osteological analysis of skeletal remains from 41VV850 Keyhole Cave. Report submitted to the National Park Service, Del Rio, TX.
- Wescott, Daniel J.** 2011. Addendum to the NAGPRA inventory of two individuals recovered from 41RB112-Area C, Roberts County, Texas (2009) by Drs. Kate Spradley and Michelle Hamilton. Report submitted to TRC Environmental Corporation, Round Rock, TX.

- Wescott, Daniel J.** 2005. Osteological report on 23ML50: Route 52 improvement project (MoDOT job no. J5S0723). Report submitted to the Missouri Department of Transportation, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-001. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-002. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-003. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-004. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-005: archaeological site 23CY216. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 90-006: archaeological site 23AT32. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 94-002: burial from the Shallow Cave site (23PH148). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 94-008: possible historic Native American burials from Scotland County, Missouri. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 95-006: human remains from the Illiniwek site (23CK116). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 95-011. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 96-003: burials from the Lindsay Cemetery (23SC944). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-00C: Fenton (Gravois Bluffs Tract) Mounds (23SL1064), St. Louis County, MO. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR Case 97-001: Human skeletal remains from the Cliff Cave County Park, St. Louis County, Missouri. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-002: historic burials from site 23SL69. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-003: human burials from the Bridgeton site (23SL442). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.

- Wescott, Daniel J.** 2004. Report on MDNR case 97-004: prehistoric burials from site 23SL69. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-005: infant ischium from the Utz site (23SA2). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-006: an early Mississippian site (23SC964) from St. Charles County, Missouri. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-007: human skeletal remains from the Turkey Creek site (23AT34). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** and Melissa Short. 2004. Report on MDNR case 97-008: commingled human bones from the Shawadker property, Osage County, Missouri. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 97-009. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 98-001: Fort Osage (23JA73). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 98-003. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 98-008: human bones possibly associated with the Soenker site (23SC923). Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 98-030: human skeletal remains from 23JE172. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 99-024: human skeletal remains from 23JO326. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 00-026. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 01-006. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
- Wescott, Daniel J.** 2004. Report on MDNR case 03-002: human remains from Hillsboro, Missouri. Report submitted to the Department of Natural Resources, State Historical Preservation Office, Jefferson City, MO.
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- Moore-Jansen, Peer H. (with contributions by **Daniel J. Wescott**). 1991. Skeletal analysis of burials from Buried City, Ochiltree County, Texas. Report submitted to David T. Hughes, Department of Anthropology, Wichita State University, Wichita, KS.

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- Wescott, Daniel J.** 2011. Arch Lake Woman: Physical Anthropology and Geoarchaeology. *Great Plains Research* 21(2):248.

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## **B. Works not in Print**

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

- 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 19<sup>th</sup> and 20<sup>th</sup> centuries. *American Journal of Physical Anthropology*. American Association of Physical Anthropologists, Anaheim, CA. [virtual]
- Rodriguez, Amanda L., Deborah L. Cunningham, **Daniel J. Wescott**, Robert C. McCarthy. 2019. Association between distal humerus measurements and body mass in modern humans: application for fossil hominin MK3. Texas Association of Biological Anthropologists, Waco, TX
- 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,



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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.
- Garza, Shelby and **Daniel J. Wescott**.\* 2018. The “Buffalo Soldiers” of Fort Craig, New Mexico: Biomechanical properties of the femora and humeri. *American Journal of Physical Anthropology* 165(S66):95. American Association of Physical Anthropologists, Austin, TX.
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- Wescott, Daniel J.**, Derek T. Anderson, Robert Moorhead, and Bryce Murray.\* 2018. Preliminary findings about the design of a forensic anthropology user interface for automating search using remotely sensed data from unmanned aerial vehicles. {Invited Symposium: Thinking computationally about forensic anthropological perspectives on advancements in technologies, data and algorithms}. *American Journal of Physical Anthropology* 165(S66):299. American Association of Physical Anthropologists, Austin, TX.
- Gordon, Gwyneth, Tiffany Saul, Dawnie Steadman, **Daniel J. Wescott**, Kelly Knudson. 2018. Geographical predictions of birthplace from isotope ratios of human teeth. NIJ Grantees Symposium.
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- 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.
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- 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 Ancestry 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.** 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 Elementary, 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:

- 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, 106<sup>th</sup> 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: 2020. Human Remains Recovery Course, Texas State University, Freeman Ranch, January 13-17.

Instructor/Organizer: 2019. Forensic Fire Death Investigation, Texas State University, Freeman Ranch, Sept. 30 – Oct. 4.

Instructor: 2019. Human Osteology, Texas State University, Grady Early Building, August 12-16.

Organizer: 2019. Competency Assessment in Human versus Non-Human Bone, Texas State University, June 20, .

Instructor/Organizer: 2019. Identifying Human from Non-Human Bone, Texas State University, June 19.

Instructor/Organizer: 2019. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 17-18.

Instructor: 2019. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 20-24.

Instructor/Organizer: 2019. Justice of the Peace Training, Cause and Manner of Death, Freeman Ranch, May 16-17.

Instructor/Organizer: 2019. U.S. Air Force Office of Special Investigations Proficiency Training, April 1-5, 2019.

Organizer: 2019. 11<sup>th</sup> Military Police Battalion (CID) Death Scene Investigation Proficiency Training. Freeman Ranch, March 4-8.

Instructor/Organizer: 2019. Human Remains Recovery Course, Texas State University, Freeman Ranch, January 14-18.

Instructor/Organizer: 2018. Human Osteology, Texas State University, Grady Early Building, August 13-17.

Instructor/Organizer: 2018. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 18-19.

Instructor/Organizer: 2018. Forensic Anthropology Methods, Texas State University, GEFARL, June 11-15.

Instructor/Organizer: 2018. Human Remains Recovery Course, Texas State University, Freeman Ranch, June 8-12.

Instructor: 2018. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 21-25.

- Instructor/Organizer: 2018. Justice of the Peace Training (Dallas), Cause and Manner of Death, Freeman Ranch, May 15-16.
- Instructor/Organizer: 2018. Federal Bureau of Investigation (Dallas), Buried Human Remains Scene Investigation Training, Freeman Ranch, April 4-5.
- Instructor/Organizer: 2018. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 18-24.
- Organizer: 2018. 11<sup>th</sup> Military Police Battalion (CID) Death Scene Investigation Training. Freeman Ranch, January 8-11.
- Instructor/Organizer: 2018. Human Remains Recovery Course, Texas State University, Freeman Ranch, January 8-12.
- Instructor/Organizer: 2017. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, October 21-22.
- Instructor/Organizer: 2017. Human Osteology, Texas State University, Grady Early Building, August 14-18.
- Instructor/Organizer: 2017. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 19-20.
- Instructor/Organizer: 2017. Forensic Anthropology Methods, Texas State University, GEFARL, June 12-16.
- Instructor/Organizer: 2017. Human Remains Recovery Course, Texas State University, Freeman Ranch, June 5-9.
- Instructor: 2017. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, June 5-9.
- Instructor/Organizer: 2017. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 25-26.
- Instructor/Organizer: 2017. Human Remains Recovery Course, Texas State University, Freeman Ranch, January 2-6.
- Instructor/Organizer: 2016. Human Osteology, Texas State University, GEFARL, August 22-26.
- Instructor/Organizer: 2016. Forensic Anthropology Methods, Texas State University, GEFARL, June 20-24.
- Instructor/Organizer: 2016. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 13-15.
- Instructor/Organizer: 2016. Human Remains Recovery Course, Texas State University, Freeman Ranch, June 6-10.
- Instructor: 2016. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 23-27.
- Instructor/Organizer: 2016. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 5-6.
- Instructor/Organizer: 2015. Human Osteology, Texas State University, August 17-21.
- Instructor/Organizer: 2015. Forensic Anthropology Methods, Texas State University, GEFARL, June 15-19.
- Instructor/Organizer: 2015. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 8-10.
- Instructor/Organizer: 2015. Human Remains Recovery Course, Texas State University, Freeman Ranch, June 1-5.



- Instructor/Organizer: 2015. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 11-15.
- Instructor/Organizer: 2015. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 6-8, November.
- Instructor/Organizer: 2014, Field Recovery of Human Remains for Texas Guard, Texas State University, August 20
- Instructor/Organizer: 2014, Human Osteology, Texas State University, August 11-15.
- Instructor/Organizer: 2014. Forensic Anthropology Methods, Texas State University, GEFARL, June 23-27.
- Instructor/Organizer: 2014. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch, June 9-11.
- Instructor/Organizer: 2014. Human Remains Recovery Course, Texas State University, Freeman Ranch, June 2-6.
- Instructor: 2014. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 12-16.
- Instructor/Organizer: 2014. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 22-23.
- Instructor/Organizer: 2014. K9 Human Remains Detection Workshop, Texas State University, Freeman Ranch, March 7-9.
- Instructor/Organizer: 2013. Identifying Human From Non-Human Bone, Freeman Ranch, December 6.
- Instructor: 2013. Canine Human Remains Detection Workshop, Texas State University, Freeman Ranch, November 15-17.
- Instructor/Organizer: 2013. Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, October 19-20.
- Instructor/Organizer: 2013. Basic Forensic Anthropology, Texas State Guard Training, Freeman Ranch, August 17.
- Instructor/Organizer: 2013. Identifying Human From Non-human Bone, Texas State University, GEFARL, July 26.
- Instructor/Organizer: 2013. Human Osteology, Texas State University, GEFARL, July 8-12.
- Instructor/Organizer: 2013. Forensic Anthropological Methods, Texas State University, GEFARL, June 16-22.
- Instructor/Organizer: 2013. Forensic Taphonomy of Texas, Texas State University, Freeman Ranch. June 10-12.
- Instructor/Organizer: 2013. Human Remains Recovery Course, Texas State University, Freeman Ranch. June 3-7.
- Instructor: 2013. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 20-24.
- Instructor/Organizer: 2013, Two-Day Human Remains Recovery Workshop, Texas State University, Freeman Ranch, March 23-24.
- Coordinator: 2013, K9 Human Detection Workshop, Texas State University, Freeman Ranch, March 15-17.
- Instructor/Organizer: 2013, Identifying Human from Non-Human Bone, Human Detection Canine Workshop, Texas State University, Freeman Ranch, March 17.
- Instructor/Organizer: 2013. Identifying Human from Non-Human Bone, Texas State University, Freeman Ranch, January 11.

- Instructor/Organizer 2012. Two-Day Human Remains Recovery Course, Texas State University, Freeman Ranch. October 20-21.
- Instructor/Organizer: 2012. Forensic Anthropological Methods and Human Decomposition, National Association of Women Law Enforcement Executives (NAWLEE), Texas State University, Freeman Ranch, August 4.
- Instructor/Organizer: 2012. Forensic Anthropology and Taphonomy, San Antonio Police Department, Texas State University, Freeman Ranch, June 20.
- Instructor/Organizer: 2012. Skeletal Death Investigation Course, Texas Engineering Extension Service (TEEX), Texas State University, Freeman Ranch, May 21-25.
- Instructor/Organizer: 2012. Human Remains Recovery Course, Texas State University, Freeman Ranch. March 24-25.
- Instructor/Organizer: 2011. Human Remains Recovery Course, Texas State University, Freeman Ranch. December 3-4.
- 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

- Aitkenhead-Peaterson, Jacqueline A., James P. Fancher, Michael B. Alexander, Michelle D. Hamilton, Joan A. Bytheway, **Daniel J. Wescott**. Predicting postmortem interval for human cadavers in a sub-tropical climate using UV-Vis-near infrared spectroscopy. *Forensic Science International* [in revision].
- Mickleburgh, Hayley L., Ed Schwalbe, Maruka Mizukami, Federica Sellitto, Sefora Starace, **Daniel J. Wescott**, David O. Carter, Noemi Procopio. The effects of inter-individual biological differences and taphonomic alteration on human bone protein profiles:

implications for the development of bone proteomic PMI/AAD estimation methods. *Scientific Reports* [submitted]

**Wescott, Daniel J.**, Gene Robinson, Derek T. Anderson, Bryce Murray. 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; 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: M Sorg, W Haglund, and K Marden (editors). *Forensic Taphonomy*, 2<sup>nd</sup> edition [invited; accepted].

Burchmore, Richard, Bogumila Pesko, Stefan Weidt, Karl Burgess, Hazel Torrance, Mark McLaughlin, **Daniel Wescott**. Post-mortomics: the potential of untargeted metabolomics to highlight markers for time since death. *OMICS: A Journal of Integrative Biology* [submitted].

Mickleburgh, Hayley L., **Daniel J. Wescott**, Sarah Gluschitz, M. Victor Klinkenburg. 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, D. Castex (Eds.), *The Routledge Handbook of Archaeothanatology*, Routledge [accepted].

*b. Works in progress*

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 in the proximal tibia. *American Journal of Physical Anthropology* [in progress]

Gleiber, Devora and **Daniel J. Wescott**. Effects of mobility impairment on femoral trabecular and cortical bone structure. *American Journal of Physical 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:***

*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. 2019. 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 bioarchaeology [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

- 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*, 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 [pending].

*National Institute of Justice*, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2020. Body mass estimation using bone micro- and macro-structure: a practical approach using CT imaging and computer analysis. PI: Daniel J. Wescott, Co-PI: Deborah L. Cunningham. \$688,722 requested [pending]

*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 [pending]
- National Institute of Justice*, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. 2020. Beyond the chalk outline: physical and chemical footprints of cadavers in the environment. Subcontract with University of Toledo. Subcontract PI: Daniel Wescott. \$21,722 requested [pending]
- 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*, 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-19<sup>th</sup> 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, 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

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*

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: 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

Associate Editor: *American Journal of Physical Anthropology*, July 2014 - 2018

Editorial Board member: *Journal of Forensic Sciences*. 2007 – 2017

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: Pulitzer 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 71<sup>st</sup> annual meeting, Buffalo, NY, April 2002
- Symposium Co-organizer (with Ashley McKeown), 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 7<sup>th</sup> 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: Certificate of Appreciation. Collin County Fire and Arson Investigations  
Association. October 2019.

Recipient: Certificate of Appreciation. 11<sup>th</sup> Military Police Battalion. March 2019

Recipient: Certificate of Appreciation. 11<sup>th</sup> Military Police Battalion. March 2018

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