

Derek A. Boyd, PhD

Assistant Professor of Anthropology
Director of the Human Health and Skeletal Biology Laboratory
Department of Anthropology, University of Nevada, Las Vegas
4505 S. Maryland Parkway, Las Vegas, NV 89154-5003
Email: derek.boyd@unlv.edu

Research and Teaching Interests

Please visit my [faculty](#) and [lab](#) websites for more information

Bioarchaeology, paleopathology, forensic anthropology, public health, epidemiology, health disparities, queer theory, intersectionality, human decomposition, trauma, biological profile, Bayesian inference

Education

2022 Ph.D., University of Tennessee, Knoxville, Department of Anthropology
Graduate Minor in Epidemiology, Department of Public Health
2016 M.A., California State University, Chico, Department of Anthropology
2013 B.A., California State University, Fullerton, Department of Anthropology

Employment History

Academic Positions

2024-pres. Assistant Professor, Department of Anthropology, University of Nevada, Las Vegas, NV
2023-2024 Faculty Fellow, Walker Center for Teaching and Learning, The University of Tennessee at Chattanooga, TN
2022-2024 Lecturer in Biological Anthropology, Department of Social, Cultural, and Justice Studies, The University of Tennessee at Chattanooga, TN
2021-2022 Adjunct Lecturer, Department of Anthropology, Sociology, and Criminology, Troy University, Troy, AL

Consulting Positions

2024-pres. Forensic Anthropologist, Clark County Office of the Coroner/Medical Examiner
2022-2024 Forensic Anthropology Consultant, Hamilton County Medical Examiner
2021-2024 Primary Analyst, Forensic Anthropology Center, University of Tennessee

Peer-Reviewed Publications

* Includes student author/trainee

2024 Burcham, Z.M., Belk, A.D., McGivern, B.B., Bouslimani, A., Ghadermazi, P., Martino, C. ... **Boyd, D.A.** ...et al. A conserved interdomain microbial network underpins cadaver decomposition despite environmental variables. *Nature Microbiology*, 9: 595-613.

2024 Davies-Barrett, A.M., Casna, M., **Boyd, D.A.**, Inskip, S.A. An analysis of interobserver variability in the recording of maxillary sinusitis in human osteoarchaeological remains. *International Journal of Osteoarchaeology*, 34(2): e3293.

2020 Kramer, R.T., Jaouen, K., Kiko, L., **Boyd, D.A.**, Trost, M., Buckley, H.R., King, C.L., Kinaston, R.L. Strontium (87Sr/86Sr) isotope analysis of the Namu skeletal assemblage: A study of past human migration on Taumako, a Polynesian outlier in the eastern Solomon Islands. *American Journal of Physical Anthropology* 174(3): 479-499. DOI: 10.1002/ajpa.24179

- 2020* **Boyd, D.A.** Respiratory stress at the periphery of industrial-era London: Insight from parishes within and outside the city. In: The bioarchaeology of urbanization: The biological, demographic, and social consequences of living in cities, T.K. Betsinger and S.N. DeWitte, eds. Bioarchaeology and Social Theory Book Series. Cham, Switzerland: Springer Nature. P.p. 379-402. ISBN: 978-3-030-53416-5.
- 2019 Turingan, R.S., Brown, J., Kaplun, L., Smith, J., Watson, J., **Boyd, D.A.**, Steadman, D.W., Selden, R.F. Identification of human remains using rapid DNA analysis. International Journal of Legal Medicine 134: 863-872. DOI: 10.1007/s00414-019-02186-y.
- 2017* **Boyd, D.A.**, Milligan, C.F. Evaluating the evidence for injury recidivism in two parish communities from industrial-era London. In: Broken bones, broken bodies: Bioarchaeological and forensic approaches of accumulative skeletal trauma and violence, C. Tegtmeier and D. Martin, eds. Lanham, MD: Lexington Books. P.p. 103-120. ISBN: 978-1498547147
- 2015 Nguyen, N., Fashing, P.J., **Boyd, D.A.**, Barry, T.S., Burke, R.J., Goodale, C.B., Jones, S.C.Z., Kerby, J.T., Kellogg, B.S., Lee, L.M., Miller, C.M., Nurmi, N.O., Ramsay, M.S., Reynolds, J.D., Stewart, K.M., Turner, T.J., Venkataraman, V.V., Knauf, Y., Roos, C., Knauf, S. Fitness impacts of tapeworm parasitism on wild gelada monkeys at Guassa, Ethiopia. American Journal of Primatology 76(5):579-594. DOI: 10.1002/ajp.22379.

Media Reviews

- 2022 Boyd, D.A. Paleopathology 2nd Edition. American Journal of Biological Anthropology, 178(3), 550-551. DOI: 10.1002/ajpa.24525.

Public Scholarship and Technical Reports

- 2016 Bartelink, E.J., Boyd, D.A., Cole, K.E. Dietary Reconstruction and Prediction of Region of Origin of Two Pioneer Burials from Marin County, CA. CSU Chico Human ID Lab.
- 2015 Bartelink, E.J., Boyd, D.A., Cole, K.E., Cirillo, L. Provenancing Human Remains and Dietary Reconstruction of a Pioneer Burial from Deadwood, SD. CSU Chico Human ID Lab.
- 2014 Willey, P., Boyd, D.A., Cirillo, L., Perrone, A. Forensic Anthropology Reports on Skeletons from Marin County (Marin County Cases CR 13-303, CR 13-304, and CR 13-305). CSU Chico Human ID Lab.
- 2013 Willey, P., Boyd, D.A. Analysis and Verbal and Written Reports on Cremated Human Remains from Sacramento. Performed for Porter Scott Attorneys, November-December 2013. CSU Chico Human ID Lab.

Awards, Grants, and Scholarships

**Indicates student co-PI*

- 2023 Faculty Development Grant for “Women’s Health in Industrial-Era England” (\$1,133.50), Walker Center for Teaching and Learning, UT Chattanooga
- 2023 High Impact Practices Grant for “Inquiry-Based Learning in an Introductory Forensic Science Course” (\$1,178), Walker Center for Teaching and Learning, UT Chattanooga
- 2023 College of Arts and Sciences Summer Collaborative Project Fund for “Interdisciplinary Forensic Science Certificate and Course Development” (\$1,500), UT Chattanooga
- 2023* Scholarship, Engagement, the Arts, Research, Creativity, and Humanities (SEARCH) Award “A Validation Study of the MorphoPASSE Method for Estimating Biological Sex from Human Skeletal Remains”(\$1,000), UT Chattanooga. (Declined)
- 2023 International Journal of Paleopathology Early Career Conference Award (\$250)

2020 Professional Development Award, UT Knoxville Graduate Student Senate (\$1,000)
2020 Graduate Student Senate Travel Award, UT Knoxville (\$700)
2016-20 Chancellor’s Fellowship, The Graduate School, UT Knoxville (\$2,756/year)
2019 Thomas Graduate Fellowship, College of Arts and Sciences, UT Knoxville (\$10,000)
2019 McClure Scholarship, Center for International Education, UT Knoxville (\$4,500)
2019 Simon Beckett Student Paper Prize, Department of Anthropology, UT Knoxville (\$600)
2019 Graduate Student Senate Travel Award, UT Knoxville (\$730.00)
2018 Graduate Student Senate Travel Award, UT Knoxville (\$800.00)
2017 Outstanding Thesis Winner, Office of Graduate Studies, CSU Chico (\$500)
2017 Graduate Student Senate Travel Award, UT Knoxville (\$930.00)
2016 Student Research Grant, Office of Graduate Studies, CSU Chico (\$500.00)
2015 Student Scholarship, Sacramento Archaeological Society (\$1,000.00)
2015 Student Research Grant, Office of Graduate Studies, CSU Chico (\$300.00)
2015 FSF Student Scholarship, American Academy of Forensic Sciences (\$100.00)
2014 Student Research Grant, Office of Graduate Studies, CSU Chico (\$500.00)
2013 Certificate of Participation, COD Undergraduate Research Symposium, AAPA
2013 Faculty-Undergraduate Student Research/Creativity Activity Grant, CSU Fullerton,
(\$1,000)

Conference Presentations

§ Indicates invited symposium

** Indicates student author*

2025* **Boyd, D.A.**, Williamson, K.A., Lautzenheiser, S.G., Pullias, E.C., Adcox, D., Schwing, S.T. Evaluation of the accuracy and reliability of MorphoPASSE for skeletal sex estimation using the University of Tennessee donated collection. Submitted for presentation at the American Academy of Forensic Sciences (Baltimore, MD).

2025 Znachko, C.L., Walkup, T., **Boyd, D.A.** Exploring the role of early life stress in the accuracy of age-at-death estimation among adults. Submitted for presentation at the American Academy of Forensic Sciences (Baltimore, MD).

§ 2024 **Boyd, D.A.**, Yaussy, S.L. Women’s health in industrial-era London. Paper presented at the American Association of Biological Anthropologists annual meeting (Los Angeles, CA). [ABSTR American Journal of Biological Anthropology, 183(S77:21-22)]

2024 **Boyd, D.A.** An intersectional analysis of maxillary sinusitis in industrializing England. Paper accepted for presentation at the annual North American Meeting of the Paleopathology Association (Los Angeles, CA). [ABSTR 51st North American Meeting of the Paleopathology Association Scientific Program:17]

2023* **Boyd, D.A.**, Williamson, K.A., Lautzenheiser, S.G., Little, B., Pullias, L. Validating MorphoPASSE using the University of Tennessee Donated Skeletal Collection: Preliminary Findings. Paper presented at the Mountain, Swamp, and Beach Regional Forensic Anthropology Conference annual meeting (Troy, AL).

2023 Elgerud, L.M.M.K., **Boyd, D.A.**, Cawley, W.D., Griffin, T.G., Brockett, M.G. Time since death, skin color changes, and White bias? Poster presented at the 20th meeting of the Forensic Anthropology Society of Europe (Marseilles, France).

2023 **Boyd, D.A.** An intersectional Bayesian analysis of respiratory mortality in industrializing England. Paper presented at the American Association of Biological Anthropologists annual meeting (Reno, NV). [ABSTR American Journal of Biological Anthropology, 180(S75):20]

- § 2023 Bouderdaben, F., **Boyd, D.A.** Applying queer theory to understanding sex as a spectrum. Paper presented at the American Association of Biological Anthropologists annual meeting (Reno, NV). [ABSTR American Journal of Biological Anthropology, 180(S75):19]
- 2023 **Boyd, D.A.** Intersectional patterns of pleural disease in industrializing England estimated using Bayesian inference. Paper presented at the annual North American meeting of the Paleopathology Association (Reno, NV). [ABSTR 50th North American Meeting of the Paleopathology Association Scientific Program:17]
- 2022 **Boyd, D.A.,** Yaussy, S., Landon, C. Considering the hyperinflammatory state in the study of periosteal visceral surface rib lesions: A case study of English populations at the rise of industry. Paper presented at the annual North American meeting of the Paleopathology Association (Denver, CO). [ABSTR 49th North American Meeting of the Paleopathology Association Scientific Program:14]
- § 2021 **Boyd, D.A.** Respiratory health at the rise of industry: Insight from urban and semi-urban centers in industrializing England. Paper presented at the 1st Bioarchaeology of Urbanization Research Group Digital Conference: “(UN)natural lives.”
- § 2021 **Boyd, D.A.** Thinking intersectionally about respiratory stress in bioarchaeology. Paper presented at the 1st Bioarchaeology Respiratory Network Online Symposium: “Taking a breath: Reflecting on respiratory disease in bioarchaeology.”
- 2020 **Boyd, D.A.,** Jakob, T.B. Probable petrous portion pseudopathology in a post-medieval skeletal collection from North Shields, England. Poster to be presented at the annual North American meeting of the Paleopathology Association (Los Angeles, CA). Postponed due to the COVID-19 pandemic.
- 2020 Cawley, W.D., **Boyd D.A.,** Griffin T. Location, location, location: Spatial variation and human decomposition in Knoxville, TN. Poster presented at the American Academy of Forensic Sciences annual meeting (Anaheim, CA). [ABSTR Proceedings of the American Academy of Forensic Sciences 72nd Annual Meeting. 2020:181]
- § 2019 **Boyd, D.A.** Residual rickets and respiratory disease in rural and urban post-medieval London. Poster presented at the American Association of Physical Anthropologists annual meeting (Cleveland, OH). [ABSTR American Journal of Physical Anthropology, 168(S68):27]
- 2019 Falsetti, A.B., Ehlers B., Lasala, A., Pittman, B., Langley, N.R., Cheek, K.G., and **Boyd D.A.** SEM-EDX analysis of gunshot residue on pig cranial bone after decomposition and maceration: Preliminary results. Poster presented at the American Academy of Forensic Sciences annual meeting (Baltimore, MD). [ABSTR Proceedings of the American Academy of Forensic Sciences 71st Annual Meeting. 2019:94]
- 2019 **Boyd, D.A.,** Sauerwein, K, Dautartas, A.M. Longitudinal comparison of the Megyesi and Moffatt total body scoring methods for estimating the postmortem interval. Paper presented at the American Academy of Forensic Sciences annual meeting (Baltimore, MD). [ABSTR Proceedings of the American Academy of Forensic Sciences 71st Annual Meeting:110]
- 2018 **Boyd, D.A.,** MacKenzie, A., Turner-Gilmore, B.M., Vorder Bruegge, R.W., Bruehs, W.E., Walker, J.M. Observer agreement in the identification and quantification of dorsal hand traits from digital images. Poster presented at the American Academy of Forensic Sciences annual meeting (Seattle, WA). [ABSTR Proceedings of the American Academy of Forensic Sciences 70th Annual Meeting:395]
- 2018 Hauther, K., **Boyd, D.A.,** Cawley, W., Sauerwein, K., Jeong, Y. Seasonal and spatial variation in local weather station data from Knoxville, Tennessee. Poster presented at

- the American Academy of Forensic Sciences annual meeting (Seattle, WA). [ABSTR Proceedings of the American Academy of Forensic Sciences, 70th Annual Meeting:168]
- 2017 **Boyd, D.A.**, Milligan, C.F. Approaching studies of multiple traumata from the leg up: An examination of the effect of prior injury location on patterns of subsequent injury in 18th and 19th century London. Poster presented at the American Association of Physical Anthropologists annual meeting (New Orleans, LA). [ABSTR American Journal of Physical Anthropology, 162(S64):127]
- 2017 **Boyd, D.A.**, Milligan, C.F. Interpreting fracture healing in the archaeological record: Socioeconomic status and fracture treatment in industrial-era London. Paper presented at the annual North American Meeting of the Paleopathology Association (New Orleans, LA). [ABSTR 44th North American Meeting of the Paleopathology Association Scientific Program:19]
- 2016 Diaz, M., Bond, M., Cirillo, L., Broehle, K., Curry, J., Cox, M., Sgheiza, V., **Boyd, D.A.**, Bartelink, E.J. Dirty jobs: The dark side of forensic recovery. Paper presented at the 2016 Mountain, Desert, and Coastal Forensic Anthropology Meeting.
- 2016 MacInnes, H.M., **Boyd, D.A.**, Milligan, C.F., Bartelink, E.J. The recovery and analysis of human remains from vehicle fires: Case examples from the California State University, Chico Human ID lab. Paper presented at the 2016 Mountain, Desert, and Coastal Forensic Anthropology Meeting.
- 2016 Willey, P., Milligan, C.F., Clinkinbeard, S., Gardner, K., Bond, M., **Boyd, D.A.**, Broehle, K., Cirilo, L., Cole, K.E., Cox, M., Curry, J., Diaz, M., Hart, K., MacInnes, H.M., Sgheiza, V., Celentano, J., Metzker, C., Tichinin, A. The valley fire: How many casualties?!. Paper presented at the 2016 Mountain, Desert, and Coastal Forensic Anthropology Meeting.
- § 2016 **Boyd, D.A.**, Milligan, C.F. Just what the doctor ordered: Socioeconomic status and subsequent injury in industrial-era London. Poster presented at the American Association of Physical Anthropologists annual meeting (Atlanta, GA). [ABSTR American Journal of Physical Anthropology, 159(S62):100]
- 2016 **Boyd, D.A.** Anthropology abroad: Investigations of two historic cemetery collections housed at the Museum of London, Centre for Human Bioarchaeology. Paper presented at the 2016 Sacramento Archaeological Society Scholar's Symposium.
- 2015 **Boyd, D.A.** A preliminary analysis of patterns of injury and treatment in two socioeconomically disparate communities from post-medieval London. Paper presented at the 3rd Anthropology Graduate Student Association Research Competition.
- 2015 **Boyd, D.A.**, Cole, K.E., MacInnes, H.L., Cirillo, L.E., Bartelink, E.J. Diet and mobility patterns in historic pioneers from California: An osteobiographical approach. Paper presented at the Society for California Archaeology annual meeting (Redding, CA). [ABSTR Society for California Archaeology 49th Annual Meeting:41]
- 2015 **Boyd, D.A.** Estimating the postmortem interval: A validation study of the total body scoring method using medicolegal cases from southeast Texas. Poster presented at the American Academy of Forensic Sciences annual meeting (Orlando, FL). [ABSTR Proceedings of the American Academy of Forensic Sciences 67th Annual Meeting:130]
- 2015 Wiersema, J.M., Love, J.C., Derrick, S.M., Pinto, D.C., **Boyd, D.A.** Standardized descriptive method for the anthropological evaluation of fractures of the adult neurocranium. Poster presented at the American Academy of Forensic Sciences annual meeting (Orlando, FL). [ABSTR Proceedings of the American Academy of Forensic Sciences 67th Annual Meeting:134]
- 2013 Bowser, B., Cole, K.E., Saldana, R., Wilson, G., Langenwaller, P., **Boyd, D.A.**, Millet, S., Nguyen, Q., Ortega, C., Stockton, M., Tejada, M., Tseng, W., Tuyub, M. Early to middle

- Holocene foraging choice: Re-analysis of faunal remains from CA-ORA-64. Poster presented at the Society for California Archaeology annual meeting (Berkeley, CA). [ABSTR Society for California Archaeology 2013 Annual Meeting Program:69-70]
- 2013 **Boyd, D.A.**, Nguyen, N., Fashing, P.J. Parasitic swellings in wild geladas at Guassa, Ethiopia: Impacts on survivorship and reproduction. Poster presented at the Committee on Diversity Undergraduate Research Symposium at the American Association of Physical Anthropologists annual meeting (Knoxville, TN).
- 2012 **Boyd, D.A.** Cemeteries and graveyards: The Victorian war zone. Poster presented at the 2012 meeting of the Southwestern Anthropological Association.

Journals Refereed (most recent year reviewed)

Forensic Anthropology (2022)
Journal of Archaeological Science (2024)

Research Activities and Field Experience

- 2023-pres. Standardization of criteria for diagnosing and recording maxillary sinusitis in human skeletal remains. Bioarchaeology Respiratory Network.
- 2023-pres. Human decomposition research using the UT Knoxville Daily Photos Database. Curator:
- 2022-pres. Transcription of historic mortality records from industrial-era England. UT Knoxville Forensic Anthropology Center, TN.
- 2023-2024 Archival, demographic, linguistic, and geospatial research on the Chattanooga Citizen Cemetery, TN.
- 2023 Osteological analysis of skeletal materials from the UT Knoxville Donated Skeletal Collection (Formerly the William M. Bass Donated Skeletal Collection). Curator: UT Knoxville Forensic Anthropology Center, TN.
- 2022 Archival research at the Wellcome Library in London, England.
- 2022 Osteological and paleopathological analysis of skeletal material from an industrial-era archaeological site (St. Bride's Church, Fleet Street) in London, England. Curator: Centre for Human Bioarchaeology, Museum of London.
- 2021 Osteological and paleopathological analysis of skeletal material from an industrial-era archaeological site (New Bunhill Fields) in London, England. Curator: Biological Anthropology Research Centre, University of Bradford.
- 2021 Osteological and paleopathological analysis of skeletal material from an industrial-era archaeological site (St. Peter's Collegiate Church) in Barton-upon-Humber, England. Curator: English Heritage.
- 2019 Osteological and paleopathological analysis of skeletal material from an industrial-era archaeological site (Coach Lane) in North Shields, England. Curator: Fenwick Human Osteology Laboratory, Durham University.
- 2016-2018 Graduate Research Assistant, NetBio and the Colorado Microbial Clocks Projects, Forensic Anthropology Center, Department of Anthropology, UT Knoxville. PI: Dawnie W. Steadman
- 2016-2018 Graduate Research Assistant, Facility Maintenance and Documentation, Forensic Anthropology Center, Department of Anthropology, UT Knoxville. PI: Dawnie W. Steadman
- 2016 Paid Research Analyst, Santa Clara County Medical Center Skeletal Collection, Department of Anthropology, CSU Chico. PI: Lisa Bright

2015 Osteological and paleopathological analysis of skeletal material from industrial-era archaeological sites (St. Bride's Lower Churchyard and Chelsea Old Church) in London, England. Curator: Centre for Human Bioarchaeology, Museum of London.

2015 Archival research at the London Metropolitan Archives, Wellcome Library, and St. Bartholomew's Hospital in London, England.

2014-2016 Graduate Laboratory Analyst, Stable Isotope Preparation Laboratory, Department of Anthropology, CSU Chico. PI: Eric J. Bartelink

2013 Forensic Consultant, Human Identification Lab, Department of Anthropology, CSU Chico, CA. PI: Patrick Willey

2013 Student Volunteer, Stege Mound Shell Midden Sorting Project, Department of Anthropology, CSU Chico. PI: Kevin Dalton

2013 Curator, Biological Anthropology Lab, Division of Social Sciences, Fullerton Community College. PI: Raffaella Commitante

2012-2015 Research Assistant, Guassa Gelada Research Project, Department of Anthropology, CSU Fullerton. PI: Nga Nguyen and Peter J. Fashing

2012-2013 Research Assistant, Pillsworth Ovulation Laboratory, Department of Anthropology, CSU Fullerton. PI: Elizabeth Pillsworth

2012 Research Assistant, Fluctuating Asymmetry Research Project, Department of Anthropology, CSU Fullerton. PI: John Patton

2011 Laboratory Technician, Biological Anthropology Laboratory, Department of Anthropology, CSU Fullerton. PI: Raffaella Commitante

Teaching Experience

** Indicates course taught online*

Instructor of Record | University of Nevada, Las Vegas
Human Osteology (Fall 2024)

Instructor of Record | University of Tennessee, Chattanooga
Bioarchaeology (Spring 2023)
Biological Anthropology (Fall 2022, Fall 2023)
Bodies of Evidence: The Science of CSI (Fall 2023)
Cultural Anthropology (Spring 2023, Summer 2023*, Fall 2023, Spring 2024, Summer 2024*)
Forensic Anthropology (Fall 2022, Spring 2024)
Individual Studies (Spring 2023, Fall 2023, Spring 2024)
Plagues and Peoples (Spring 2023, Spring 2024)

Instructor of Record | Troy University
Anthropological Statistics (Fall 2021*, Spring 2022*)

Graduate Teaching Assistant | University of Tennessee, Knoxville
Advanced Skeletal Collections and Curation (Spring 2022)
Skeletal Collections and Curation (Fall 2021, Spring 2022)
Human Anatomy (Fall 2018, Spring 2019, Fall 2019, Spring 2020*, Fall 2020*, Spring 2021*)
Human Osteology (Fall 2017, Spring 2018)
Introduction to Forensic Anthropology (Fall 2016)

Graduate Teaching Assistant | California State University, Chico
Survey of Forensic Sciences (Spring 2016)

Formal Methods for Anthropology (Fall 2015, Spring 2016)
Human Identification (Spring 2015)
Introduction to Biological Anthropology (Fall 2013, Spring 2014, Fall 2014, Spring 2015)

Short Course Instruction

2024 Human Decomposition and Time Since Death, Violent Crimes Division, Chattanooga Police Department
2024 Crime Scene Investigation Short Course, McCallie School
2022 Osteology and Skeletal Biology, Forensic Anthropology Short Course for a Colombian team from the International Criminal Investigative Training Assistance Program through the UT Knoxville Forensic Anthropology Center
2019 Age-at-Death, Forensic Anthropology Short Course for Keele University through the UT Knoxville Forensic Anthropology Center
2019 Age-at-Death, Forensic Anthropology Short Course for Korean Crime Scene Investigation through the UT Knoxville Forensic Anthropology Center

Guest Lectures

2022 Osteological Paradox. Anth 572, Human Paleopathology, UT Knoxville
2021-2022 Tuberculosis. Anth 472, Paleopathology, UT Knoxville
2018 Paleopathology, Paleoepidemiology, and Epidemiology, Anth 210, Principles of Biological Anthropology, UT Knoxville
2015 Primate Comparative Anatomy, Anth 498, Special Topics, CSU Chico
2014 People on the Move: Migration, Anth 103, Human Cultural Diversity, CSU Chico

Mentored Student Research

Graduate Committee Chair

2024-pres. Elise Adams, University of Nevada, Las Vegas

Graduate Committee Member

2022-pres. Emily Romdenne, University of West Florida
M.A. Thesis: "Understanding Injury Recidivism as Embodied Evidence of Violence and Vulnerability: A Trauma Analysis Examining Fracture Location, Severity, and Occurrence in a Modern New Mexico Forensic CT Sample"

Supervised Undergraduate Research

2022-2024 Supervision of 14 undergraduate researchers across four research projects:

- Digitization of archival documents from 18th-19th century England
- MorphoPASSE validation using the UTK Donated Skeletal Collection
- Detection of submerged bodies in the Tennessee River using sonar technology
- Demographic and mortuary analysis of Chattanooga's Citizen Cemetery

Mentorship Experience

2023-2024 Mentor, Meet-a-Mentor Program, Paleopathology Association
2023-2024 Mentor, Let's Do Lunch Mentorship Program, Paleopathology Association
2022-pres. Peer Mentor, Diversity, Equity, Inclusion, & Belonging Peer Engagement Program in Forensic Anthropology and Bioarchaeology
2018-2021 Peer Mentor, Anthropology Graduate Student Association, UT Knoxville
2015-2016 REACH Peer Mentor, Student Success Center, CSU Chico

2012-2013 Peer Mentor, Lambda Alpha National Honor Society, Eta Chapter, Department of Anthropology, CSU Fullerton

Professional Development

2023 “Teaching in an AI World: Building Confidence and Finding Our Way”, Walker Center for Teaching and Learning, UT Chattanooga, 17 July 2023

2023 “Age Estimation from the Pubic Symphysis: Back to Basics”, Society of Forensic Anthropologists Webinar Series

2022 “Transition Analysis 3 Age-at-Death Estimation: Past, Present, and Future”, Society of Forensic Anthropologists Webinar Series

2022 “Forensic Fractography of Bone: A New Model for Skeletal Trauma Analysis”, Society of Forensic Anthropologists Webinar Series

2022 “Skeletal Sex Estimation and Practitioner Use of MorphoPASSE”, Society of Forensic Anthropologists Webinar Series

2022 Teaching and Learning Institute, Walker Center, UT Chattanooga

2018-2021 Graduate Analyst, Forensic Anthropology Center, UT Knoxville

2021 Facilitating Undergraduate Evidence-Based Learning Associate-Level Certification Program, Center for the Integration of Research in Teaching & Learning, UT Knoxville

2018 Graduate Summer Intern, Forensic Anthropology Unit, New York City Office of Chief Medical Examiner, New York City, NY. Supervisor: Angela Soler

2017 Honors Intern, Forensic Audio, Video, and Image Analysis Unit, Operational Technology Division, Federal Bureau of Investigation, Quantico, VA. Supervisor: R. Vorder Bruegge

2013-2016 Graduate Analyst, Human Identification Laboratory, CSU Chico. Supervisors: Eric J. Bartelink, Colleen F. Milligan, and P. Willey

2015 Radiography Training, Centre for Human Bioarchaeology, Museum of London. Supervisor: Jelena Bekvalac

2014 Mass Fatality Management Morgue Operations Exercise, Harris County Institute of Forensic Sciences, Houston, TX

2014 Forensic Anthropology Intern, Forensic Anthropology Division, Harris County Institute of Forensic Sciences, Houston, TX. Supervisor: Jennifer C. Love

2013 Forensic Archaeology: Field Recovery Methods Field School, Human ID Lab, CSU Chico. Instructor: Eric J. Bartelink

2012 Undergraduate Intern, CA-ORA-64 Zooarchaeology Research Project, Department of Anthropology, CSU Fullerton. Supervisor: Brenda J. Bowser

Service

2022-pres. Member, Early Career Forum Steering Committee, American Academy of Forensic Sciences

2024 Moderator, 51st North American meeting of the Paleopathology Association (Los Angeles, CA)

2024 Moderator, 76th meeting of the American Academy of Forensic Sciences (Denver, CO)

2023-2024 External Reviewer, Organization of Scientific Area Committees for Forensic Science Scientific and Technical Review of “2024-S-0001 Guidance Document for Understanding and Implementing the Minimal Components of a Quality Assurance Program in Forensic Anthropology”

2023-2024 Curriculum Development, Interdisciplinary Forensic Science Certificate program for undergraduates, UT Chattanooga

2023	Volunteer, Southeastern Archaeological Conference (Chattanooga, TN)
2023	Panelist, CV Workshop, Mountain, Swamp, and Beach Forensic Conference (Troy, AL)
2023	Moderator, Mountain, Swamp, and Beach Forensic Conference (Troy, AL)
2022	Panelist, "Ask a Professional" Round Table, Mountain Swamp, and Beach Forensic Anthropology Conference (Murfreesboro, TN)
2022	Moderator, "Lee Meadows Jantz Symposium," Mountain, Swamp, and Beach Forensic Anthropology Conference (Murfreesboro, TN)
2022	Conference Co-Coordinator, Mountain, Swamp, and Beach Forensic Anthropology Conference
2020-2021	Diversity Chair, Anthropology Graduate Student Association, UT Knoxville
2020	Committee Member, ad hoc harassment and discrimination subcommittee, Committee for Diversity and Inclusion, Anthropology Section, American Academy of Forensic Sciences
2019-2020	Committee Member, Communication and Publicity Committee, 4th Disasters, Displacement, and Human Rights Conference, UT Knoxville
2019-2020	Chair, Committee for Equity and Diversity, Graduate Student Senate, UT Knoxville
2018-2020	Senator, Committee for Equity and Diversity, Graduate Student Senate, UT Knoxville
2019	Moderator, "Sex Estimation and Methods in Forensic Anthropology," 71st meeting of the American Academy of Forensic Sciences
2017-2018	Committee Member, Registration Committee, 3rd Disasters, Displacement, and Human Rights Conference, UT Knoxville
2016	Conference Co-Coordinator, 12th Chico Forensic Conference, Anthropology Graduate Student Association, CSU Chico
2015-2016	Physical Anthropology Chair, Anthropology Graduate Student Association, CSU Chico
2015	Event Coordinator, "How to Get into (and Survive) Graduate School," Anthropology Graduate Student Association, CSU Chico
2012-2013	Student Volunteer, Southern California Primate Research Forum, CSU Fullerton
2013	Event Co-Coordinator, Warfare, Violence, and Death, Anthropology Student Association, CSU Fullerton

Professional Memberships

2016-pres.	Paleopathology Association
2014-pres.	American Academy of Forensic Sciences
2013-pres.	American Association of Biological Anthropologists
2011-pres.	Lambda Alpha National Honor Society, Eta Chapter
2010-pres.	Phi Kappa Phi National Honor Society

Professional Networks

2020-pres.	Bioarchaeology of Urbanization Research Group
2020-pres.	Bioarchaeology Respiratory Network
2020-pres.	Coalition for Equity in Anthropology

Public Outreach

2023	Paleoskills Workshop, Department of Social, Cultural, and Justice Studies, UT Chattanooga
2023	Undergraduate Program Outreach at Silverdale Baptist Academy College Fair

- 2022 Paleoskills Workshop, Department of Social, Cultural, and Justice Studies, UT Chattanooga
- 2021 Out in STEM Outreach Presentation, oSTEM, UT Knoxville
- 2021 Educational Outreach at St. Peter's Collegiate Church in Barton-upon-Humber, England, English Heritage.
- 2016-2022 Educational Outreach Presentations, Forensic Anthropology Center, UT Knoxville
- 2015 Physical Anthropology Teaching Lab tour, Chico Preview Day, CSU Chico
- 2011 Volunteer, Site Survey of the Open Space Area in San Juan Capistrano, Department of Anthropology, CSU Fullerton. PI: Steven R. James

Technical Skills

Statistical analysis using R, STAN, SPSS, SAS, and Excel
 Database management using Filemaker Pro
 Mapping using TerraSync and ArcPad

Print and Electronic Media Coverage

- 2024 Payeton, D. UTC professors help identify skeletal remains from a woman who went missing in August of 2023. [Local 3 News](#).
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