

## CURRICULUM VITAE

### CLAIRE ELIZABETH TERHUNE, PHD

Department of Anthropology  
University of Arkansas  
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Fayetteville, AR 72701

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#### EDUCATION

- 2010 Doctor of Philosophy, Anthropology, School of Human Evolution and Social Change, Arizona State University. Dissertation advisor: William Kimbel, PhD
- 2005 Master of Arts, Anthropology, School of Human Evolution and Social Change, Arizona State University. Masters advisor: William Kimbel, PhD
- 2002 Bachelor of Science, Anthropology, College of Charleston, Charleston, South Carolina  
Bachelor of Arts, Biology, College of Charleston, Charleston, South Carolina  
College of Charleston Honors Program Graduate, Graduated Cum Laude

#### RESEARCH INTERESTS

Hominin cranial morphology, evolution, and systematics; geometric morphometrics; functional morphology of the primate cranial base and masticatory apparatus; modern human skeletal biology and paleopathology; human and non-human primate anatomy.

#### EMPLOYMENT HISTORY

- 2014- Present Assistant Professor, Department of Anthropology, University of Arkansas.
- 2013 Assistant Professor, Physician Assistant and Doctor of Physical Therapy Programs, Department of Community and Family Medicine, Duke University School of Medicine.
- 2013 Assistant Research Professor, Department of Evolutionary Anthropology, Duke University.
- 2011-2012 Instructor, Physician Assistant and Doctor of Physical Therapy Programs, Department of Community and Family Medicine, Duke University School of Medicine.
- 2009-2011 Postdoctoral Associate, Physician Assistant Program, Department of Community and Family Medicine, Duke University School of Medicine.
- 2005-2009 Graduate Teaching Assistant, Arizona State University.
- 2002-2009 Physical Anthropologist and Archaeologist, EcoPlan Associates, Inc., Mesa, AZ.
- 2007-2008 Human Skeletal and Faunal Analyst, Northland Research, Inc., Tempe, AZ.

#### GRANTS AND AWARDS

- 2019-2020 General Research Grant, The Leakey Foundation. PIs: SC Curran, CE Terhune, V Dragusin, A Petculescu, C Robinson, M Robu (\$22,961). "Taphonomy and chronology of Pleistocene fossil sites in central Romania."
- 2018-2020 Archaeometry Grant, National Science Foundation. PIs: J Cothren, D Fredrick, CE Terhune, F Limp (\$188,545). "Collaborative Research Spatial Archaeometry: Integrating Spatial Analysis into Archaeological Research."
- 2018-2019 Honors College Research Team Grant, University of Arkansas (\$9,000)
- 2018 Recipient, Challenger Award, Arkansans for Gifted and Talented Education (AGATE)
- 2017-2020 Major Research Instrumentation Grant, National Science Foundation. PIs: CE Terhune, P Gignac, H O'Brien, G Sabo, W Zhou (\$687,161); "MRI: Acquisition of a micro-computed tomography system for advanced imaging and inter-disciplinary multi-user access for the University of Arkansas and the US Interior Highlands."

- 2016-2019 Senior Research Grant, National Science Foundation. PIs: CE Terhune, SB Cooke, C Kirchoff (Total award \$219,238; UARK \$114,769); “Collaborative Research: Normal and pathological covariation in the masticatory apparatus of anthropoid primates.”
- 2016-2017 High-Risk Research in Biological Anthropology and Archaeology Grant, National Science Foundation. PIs: CE Terhune, SC Curran, A Petculescu, C Robinson, M Robu (\$29,887); “HRRBAA: Paleoanthropological Investigations of Early Pleistocene Hominin Dispersals.”
- 2016 Collaborative Research Grant, Vice Provost for Faculty Development and Enhancement, University of Arkansas. Co-PI with Kaitlin Gallagher (PI) (\$2,000)
- 2016 Honors College Faculty Equipment and Technology Grant, University of Arkansas (\$8,300)
- 2016 Teaching Team Travel Award, Teaching and Faculty Support Center, University of Arkansas (\$5,367)
- 2014 DigitalGlobe Foundation Imagery Grant (digitalglobefoundation.org); “Paleontological investigations in the Olteț River Valley, Romania.”
- 2012 American Association of Physical Anthropologists Professional Development Grant (\$5,000); “Were Neanderthals biting off more than they could chew? Evidence from the temporomandibular joint of Middle and Late Pleistocene hominins.”
- 2012 Josiah Charles Trent Memorial Foundation Grant, Duke University (\$3,000); “Biogeographic contexts of early *Homo* dispersal to Europe.”
- 2011 Postdoctoral Professional Development Award, Duke University (\$1,000)
- 2008-2009 General Research Grant, The Leakey Foundation (\$13,500); “Temporomandibular joint variation in primates: perspectives from phylogeny, function, and allometry.”
- 2008-2009 Physical Anthropology Doctoral Dissertation Improvement Grant, National Science Foundation (\$15,000); “Temporomandibular joint variation in anthropoid primates: inferences from phylogeny, function, and allometry.” Co-PI with W. Kimbel.
- 2006 Graduate & Professional Student Association Student Research Grant, Arizona State University (\$1,000)
- 2004 Collection Study Grant, American Museum of Natural History (\$2,000)
- 2004 Department of Anthropology Student Research Grant, Arizona State University (\$500)
- 2001 Catherine Wood Parker Scholarship Recipient, College of Charleston (\$1,200)
- 2000 Jon Morter Memorial Scholarship Recipient, College of Charleston (\$700)

#### PEER-REVIEWED PUBLICATIONS (\*=student author from the Terhune Lab)

- In prep. Curran S (co-first author), **Terhune CE** (co-first author), Croitor R, Dragusin V, Fox DL, Garrett N, Ironside LB, Petculescu A, Pobiner B, Robinson C, Robu M, Ungar P, Werdelin L. *Preliminary paleoenvironmental reconstruction of early Pleistocene sites from the Olteț River Valley of Romania*. For submission to *Palaeogeography, Palaeoclimatology, Palaeoecology*.
- In prep. Taylor AB, **Terhune CE**, Vinyard CJ. *Jaw-muscle fiber architecture and skull form facilitate the production of relatively wide jaw gapes in male Old World monkeys*.
- In prep. **Terhune CE**, Sylvester AD, Scott JE, Ravosa MJ. *Trabecular architecture of the mandibular condyle of rabbits is related to dietary resistance during growth*. For submission to the *Journal of Experimental Biology*.
- In review Weisbecker V, Guillerme T, Speck C, Sherratt E, Abraha HM, Sharp AC, **Terhune CE**, Collins S, Johnston S, Panagiotopoulou O. *High individual variation obscures the macroevolutionary signal of skull shape within species of a biomechanically specialized group of marsupials*. Submitted to *Frontiers in Zoology*.
- 2019 Yoakum CB\*, Romero AN\*, Moore C\*, Douglas EC, Gallagher KM, **Terhune CE**. *Sex and height influence neck posture when using electronic handheld devices*. *Clinical Anatomy*. Published online August 3, 2019. doi: 10.1002/ca.23440
- 2019 Taylor AB, **Terhune CE**, Vinyard C. *The influence of masseter and temporalis sarcomere-length operating ranges as determined by laser diffraction on architectural estimates of muscle force and excursion in macaques* (*Macaca fascicularis* and *Macaca mulatta*). *Archives of Oral Biology* 105:35-45.

- 2018 **Terhune CE**, Ritzman TB, Robinson CA. *Mandibular ramus shape variation and ontogeny in Homo sapiens and Homo neanderthalensis*. J Hum Evol 121:55-71.
- 2018 Taylor AB, **Terhune CE**, Toler M, Holmes M, Ross CF, Vinyard CJ. *Jaw-muscle fiber architecture and leverage in the hard-object feeding sooty mangabey are not structured to facilitate relatively large bite forces compared to other papionins*. Anat Rec 301:325-342. [invited manuscript in edited volume]
- 2017 Iriarte-Diaz J, **Terhune CE**, Taylor AB, Ross CF. *Position of the finite helical axis of the mandible during chewing in non-human primates*. Zoology 124:106-118. [invited manuscript in edited volume]
- 2017 **Terhune CE**. *Revisiting size and scaling in the anthropoid temporomandibular joint*. Zoology 124:73-94. [invited manuscript in edited volume]
- 2017 Robinson CA, **Terhune CE**. *Error in geometric morphometric data collection: combining data from multiple sources*. Am J Phys Anthropol 164:62-75.
- 2017 Sylvester AD, **Terhune CE**. *Trabecular mapping: leveraging geometric morphometrics for analyses of trabecular structure*. Am J Phys Anthropol 163:553-569.
- 2016 Ritzman TB (co-first author), **Terhune CE** (co-first author), Gunz P, Robinson CA. *Mandibular ramus shape of Australopithecus sediba suggests a single variable species*. J Hum Evol 100:54-64.
- 2015 **Terhune CE**, Hylander WL, Vinyard CJ, Taylor AB. *Jaw-muscle architecture and mandibular morphology influence relative maximum jaw gapes in the sexually dimorphic Macaca fascicularis*. J Hum Evol 82:145-158.
- 2015 Cooke SB, **Terhune CE**. *Form, function, and geometric morphometrics*. Anat Rec 298:5-28.
- 2015 **Terhune CE**, Cooke SB, Otárola-Castillo E. *Form and function in the platyrrhine skull: a three-dimensional analysis of dental and TMJ morphology*. Anat Rec 298: 29-47.
- 2014 **Terhune CE**, Robinson CA, Ritzman TB. *Ontogenetic variation in the mandibular ramus of great apes and humans*. J Morph 275:661-677.
- 2013 Smith H, Ritzman T, Otárola-Castillo E, **Terhune CE**. *A 3-D geometric morphometric study of intraspecific variation in the ontogeny of the temporal bone in modern Homo sapiens*. J Hum Evol 65:479-489.
- 2013 **Terhune CE**, Kimbel W, Lockwood C. *Postnatal temporal bone ontogeny in Pan, Gorilla, and Homo, and the implications for temporal bone growth in Australopithecus afarensis*. Am J Phys Anthropol 151:630-642.
- 2013b **Terhune CE**. *How effective are geometric morphometric techniques for assessing functional shape variation? An example from the great ape temporomandibular joint*. Anat Rec 296: 1264-1282.
- 2013a **Terhune CE**. *Dietary correlates of temporomandibular joint morphology in the great apes*. Am J Phys Anthropol 150:260-272.
- 2012 Baker B, **Terhune CE**, Papalexandrou A. *Sew Long? The Osteobiography of a Woman from Medieval Polis, Cyprus*. In *The Bioarchaeology of Individuals*, AL Stodder and AM Palkovich, eds. Gainesville: University Press of Florida. pp 151-161.
- 2011b **Terhune CE**. *Dietary correlates of temporomandibular joint morphology in New World primates*. J Hum Evol 61:583-596.

- 2011a **Terhune CE.** *Modeling the biomechanics of articular eminence function in anthropoid primates.* J Anat 219:551-564.
- 2011 **Terhune CE,** Iriarte-Diaz J, Taylor A, Ross CF. *The instantaneous center of rotation of the mandible in non-human primates.* J Int and Comp Biol 51:320-332.
- 2008 **Terhune CE,** Deane A. *Temporal squama shape in fossil hominins: relationships to cranial shape and a determination of character polarity.* Am J Phys Anthropol 137: 397-411.
- 2007 Smith HF (co-first author), **Terhune CE** (co-first author), Lockwood C. *Genetic, geographic, and environmental correlates of human temporal bone variation.* Am J Phys Anthropol 134: 312-322.
- 2007 **Terhune CE,** Kimbel W, Lockwood C. *Variation and diversity in Homo erectus: A 3D geometric morphometric analysis of the temporal bone.* J Hum Evol 53: 41-60.

**PUBLISHED ABSTRACTS OF PROFESSIONAL PRESENTATIONS** (\*=student author from the Terhune Lab)

- 2019 **Terhune CE,** Kirchhoff CA, Cooke SB. *Masticatory covariation in Macaca fascicularis: integrating dental wear, craniofacial morphology, and pathology.* Journal of Morphology 280:S228.
- 2019 Tseng J, **Terhune CE.** Simulated evolution suggests selection-mediated generation of complex structure-function mapping in the primate cranium. Journal of Morphology 280:S526.
- 2019 Halenar-Price L, Shearer B, **Terhune CE,** Yoakum CB\*, Cooke SB. *Get an eyeful of this: Gross anatomy and morphometrics of the squirrel monkey (Saimiri) interorbital region.* Am J Phys Anthropol 168(S68):95.
- 2019 Kirchhoff CA, Cooke SB, Romero AN\*, **Terhune CE.** *Covariation among dental wear, craniofacial morphology, and pathologies in Macaca fascicularis.* Am J Phys Anthropol 168(S68):126.
- 2019 Romero AN\*, Kirchhoff CA, Cooke SB, **Terhune CE.** *Examining fluctuating asymmetry in Macaca fascicularis.* Am J Phys Anthropol 168(S68):207.
- 2019 Yoakum CB\*, **Terhune CE.** *An assessment of the neurovascular structures of the trigeminal nerve and their relationship to tooth morphology in Rattus sp., Pithecia pithecia, Saimiri sciureus, and Chiropotes sp.* Am J Phys Anthropol 168(S68):277.
- 2018 Haake L\*, **Terhune CE.** *Use of dermestid beetles in cleaning osteological specimens: best practices.* Poster presented at the 2018 meetings of the American Association of Physical Anthropologists Undergraduate Research Symposium.
- 2018 Moore C\*, Yoakum CB\*, Romero AN\*, Douglas EC, Gallagher KM, **Terhune CE.** *A biomechanical analysis of cervical spine posture using geometric morphometrics.* Abstract submitted for poster presentation at the 2018 meetings of the American Association of Anatomists, San Diego, CA.
- 2018 **Terhune CE,** Kirchhoff CA, Cooke SB. *Macaque attack: Variation in craniofacial and TMJ shape in Macaca fascicularis.* Am J Phys Anthropol 165(S66): 272-273.
- 2018 Cooke SB, Wisniewski A, **Terhune CE,** Kirchhoff C. *Macaque attack: Dental topography through a wear sequence in Macaca fascicularis.* Am J Phys Anthropol 165(S66): 53-54.
- 2018 Kirchhoff CA, Cooke SB, **Terhune CE.** *Macaque attack: The association between dental pathologies and temporomandibular osteoarthritis in Macaca fascicularis.* Am J Phys Anthropol 165(S66): 140.

- 2018 Yoakum CB\*, **Terhune CE**. A comparison of the cross-sectional area of the primate mandibular canal and associated foramina. *Am J Phys Anthropol* 165(S66): 308.
- 2018 Romero AN\*, **Terhune CE**. *A comparison of fluctuating asymmetry models in non-human primate crania*. *Am J Phys Anthropol* 165(S66): 230.
- 2017 **Terhune CE**, Curran SC, Fox DL, Garrett N, Petculescu A, Robinson C, Robu M. *Early Pleistocene paleohabitats of Eastern Europe: Evidence from the Olteț River Valley of Romania*. Poster presented at the 2017 European Society of Human Evolution meetings, Leiden, Netherlands.
- 2017 Curran SC, Fox DL, Garrett N, Petculescu A, Robinson C, Robu M, **Terhune CE**. *Characterizing early Pleistocene paleohabitats in Eastern Europe: Results from four years of research in the Olteț River Valley of Romania*. *Am J Phys Anthropol* 162(S64): 156.
- 2017 **Terhune CE**, Sylvester AD, Coiner-Collier S, Scott JE, McAbee KR, Ravosa MJ. *Adaptive plasticity in the masticatory apparatus: inference for form, function, and fossils*. *Am J Phys Anthropol* 162(S64): 379 [invited symposium].
- 2017 Ramos PA\*, Sylvester AD, Taylor AB, **Terhune CE**. *Trabecular symmetry in the primate temporomandibular joint*. *Am J Phys Anthropol* 162(S64): 326.
- 2016 **Terhune CE**. *What's gape got to do with it? Examining osteological correlates of jaw gape in primates*. Talk presented at the 2016 International Congress on Vertebrate Morphology, Washington, DC. [invited symposium]
- 2016 Abraha HM, Weisbecker V, **Terhune CE**, Morrison R, Wailan M, May C, Sharp A, Johnston S, Panagiotopoulou O. *Comparative shape analysis of wombats and koalas*. Poster presented at the 2016 International Congress on Vertebrate Morphology, Washington, DC.
- 2016 **Terhune CE**, Robinson C, Ritzman T. *Sexual dimorphism in the shape of the extant hominid mandibular ramus*. Poster presented at the 2016 PaleoAnthropology Society meetings, Atlanta, GA.
- 2016 Curran S, **Terhune CE**, Sylvester A, Gogol S, Hubbard J\*. *New ecomorphological proxies for paleohabitat reconstructions: geometric morphometric analyses of cervid joint surface morphology*. Poster presented at the 2016 PaleoAnthropology Society meetings, Atlanta, GA.
- 2016 Sylvester A, **Terhune CE**, Taylor AB. *Trabecular mapping: leveraging sliding landmarks for analyses of bone microstructure*. *Am J Phys Anthropol* S62:309.
- 2016 Robinson C, **Terhune CE**. *Combining data from multiple sources: a cautionary tale*. *Am J Phys Anthropol* S62:270.
- 2016 Cumpston S\*, **Terhune CE**. *Revisiting primate masticatory scaling relationships*. Poster presented at the 2016 meetings of the American Association of Physical Anthropologists Undergraduate Research Symposium.
- 2015 **Terhune CE**, Curran S, Fox D, Garrett N, Hubbard J\*, Petculescu A, Robinson C, Robu M, Stiuca E. *Paleoenvironmental conditions in early Pleistocene Romania: implications for hominin dispersals*. Poster presented at the 2015 meetings of the Society for Vertebrate Paleontologists.
- 2015 Bryce A, Sylvester AD, **Terhune CE**. *User variance in defining the trabecular-cortical interface using microCT images*. *FASEB* 29(1): LB23.

- 2015 Iriarte-Diaz J, **Terhune CE**, Taylor AB, Ross CF. *Functional constraints of primate feeding: modeling the effect of ligaments and TMJ morphology*. Am J Phys Anthropol 156(S60):175.
- 2015 Ross CF, Iriarte-Diaz J, Taylor AB, **Terhune CE**. *Functional significance of the location of the axis of rotation of the mandible*. Am J Phys Anthropol 156(S60):271-272.
- 2015 **Terhune CE**, Ritzman TB, Gunz P, Robinson CA. *A reassessment of the taxonomic validity of the Australopithecus sediba mandibles*. Am J Phys Anthropol 156(S60):303.
- 2015 Healy CA\*, Robinson CA, Ritzman TB, **Terhune CE**. *Evaluating ontogenetic shape variation in the mandibular ramus of Homo sapiens and Homo neanderthalensis*. Am J Phys Anthropol 156(S60):162.
- 2014 **Terhune CE**. *Were Neanderthals biting off more than they could chew? Evidence from the temporomandibular joint of Middle and Late Pleistocene hominins*. Paleoanthropology Abstracts: A26.
- 2014 Taylor AB, **Terhune CE**, Hylander WL, Vinyard C. *In vitro sarcomere-length operating range of the masseter and temporalis muscles in Macaca fascicularis*. Am J Phys Anthropol 153(S58):252.
- 2013 **Terhune CE**, Melcher B, Taylor A. *Physician assistant anatomy education: does prior anatomy experience predict performance?* FASEB 27:956.1.
- 2013 Cooke S, **Terhune CE**. *Form and function in a sample of platyrrhine primates: a three-dimensional analysis of dental and TMJ morphology*. Am J Phys Anthropol 150(S56):101-102.
- 2013 **Terhune CE**, Curran S, Petculescu A, Robinson C, Robu M, Stiuca E. *Renewed paleontological investigations in the Olteț River Valley of Romania and the new paleontological locality of Râpa*. Am J Phys Anthropol 150(S56):270.
- 2013 Iriarte-Diaz J, **Terhune CE**, Taylor A, Ross C. *Mandibular helical axis during feeding in non-human primates*. Am J Phys Anthropol 150(S56):157.
- 2012 **Terhune CE**, Robinson C, Ritzman T. *Ontogenetic variation in the ascending ramus of great apes and humans*. Am J Phys Anthropol 147(S54):284-285.
- 2012 Iriarte-Diaz J, **Terhune CE**, Ross C. *Mandibular helical axis during feeding in non-human primates*. J Int Comp Biol 52(1):e84.
- 2011 **Terhune CE**, Hylander W, Vinyard C, Taylor A. *Masseter fiber length and position influence relative maximum jaw gapes in the sexually-dimorphic Macaca fascicularis*. Am J Phys Anthropol 144(S52):292.
- 2011 **Terhune CE**, Iriarte-Diaz J, Taylor A, Ross C. *The mandibular instantaneous center of rotation in non-human primates and its relation to gape*. J Int Comp Biol 51(1):e137.
- 2010 **Terhune CE**. *Dietary correlates of temporomandibular shape*. Am J Phys Anthropol 141(S50): 229.
- 2009 **Terhune CE**, Kimbel WH, Lockwood CA. *An analysis of postnatal temporal bone ontogeny in Pan and Homo, with implications for temporal bone growth and development in Australopithecus afarensis*. Paleoanthropology Abstracts: A36.
- 2009 **Terhune CE**. *Scaling relationships in the anthropoid temporomandibular joint*. Am J Phys Anthropol 138(S48): 254.
- 2008 **Terhune CE**, Smith H, Gilbert C. *Environmental and dietary correlates of papionin temporal bone variation*. Am J Phys Anthropol 135(S46): 206.

- 2007 **Terhune CE**, Smith H, Lockwood C. *Genetic, geographic, and environmental correlates of human temporal bone variation*. *Am J Phys Anthropol* 132(S44): 231.
- 2007 Baker B, **Terhune CE**, Papalexandrou A. *Sew long: A seamstress buried at Polis, Cyprus*. *Am J Phys Anthropol* 132(S44): 67.
- 2006 **Terhune CE**, Kimbel W, Lockwood C. *Variation and diversity in Homo erectus: A 3D geometric morphometric analysis of the temporal bone*. *Am J Phys Anthropol* 129(S42): 176.
- 2005 **Terhune CE** and Deane A. *Shape of the temporal squama in fossil hominins: relationships to cranial shape and a determination of character polarity*. *Paleoanthropology Abstracts*: A48.

#### **PRESENTATIONS (ABSTRACTS NOT PUBLISHED)**

- 2006 Smith H and **Terhune CE**. *Genetic, geographic, and environmental correlates of human temporal bone variation*. Poster presented at the 7th Annual Graduate Research Symposium, Graduates in Earth, Life, and Social Sciences, Arizona State University.
- 2005 **Terhune CE**. *Mastoid musculature variation in Pan troglodytes*. Poster presented at the 6th Annual Graduate Research Symposium, Graduates in Earth, Life, and Social Sciences, Arizona State University.
- 2002 **Terhune CE**. *A Late Cretaceous dinosaur locality from the Los Altares region of northeastern Mexico*. 14th Annual Scientific Research Poster Session at the College of Charleston, Charleston, SC.
- 2000 **Terhune CE**. *Dangerous animal depictions in Upper Paleolithic art*. Carolina Undergraduate Social Sciences Symposium, Charleston, SC.

#### **INVITED SEMINARS**

- 2019 Northwest Arkansas Dental Research Group, Fayetteville, AR.
- 2018 Ross Lab, Department of Organismal Biology and Anatomy, University of Chicago, Chicago, IL.
- 2016 Department of Anatomy and Vertebrate Paleontology, Oklahoma State University Center for Health Sciences, Tulsa, OK.
- 2015 Department of Biological Sciences, University of Arkansas, Fayetteville, AR.
- 2014 Department of Integrative Physiology and Anatomy, University of North Texas Health Science Center, Fort Worth, TX.
- 2013 Department of Anthropology, University of Arkansas, Fayetteville, AR.
- 2012 Section of Paleoanthropology, Karl Eberhard Universität Tübingen, Tübingen, Germany.
- 2012 Section of Anatomy, Department of Biomedical Sciences, Marshall University, Huntington, WV.
- 2011 Department of Anthropology, New York University, New York, NY.
- 2011 Department of Anatomy, Midwestern University, Downers Grove, IL.
- 2010 Department of Evolutionary Anthropology, Duke University, Durham, NC.

#### **TEACHING EXPERIENCE**

- 2014- Present Assistant Professor, Department of Anthropology, University of Arkansas  
 Introduction to Biological Anthropology (ANTH 1013)  
 Introduction to Biological Anthropology Lab (ANTH 1011L)  
 Honors University Perspectives (UNIV 1001H)  
 Bones, Bodies, and Brains in Evolutionary Perspective (ANTH 3043)  
 Mammalian Evolution and Osteology (ANTH 4703/5703)  
 Problems in Primate Paleobiology (ANTH 4903/5153)  
 Statistics in Biological Anthropology (ANTH 4903/5903)  
 Human Gross Anatomy (ANTH 5903)

Guest Lectures in the following courses: The Darwin Course (BIOL/HIST/ANTH 3923H); University Perspectives (UNIV 1001); Mechanics of Human Movement (EXSC 3353); Comparative Psychology (PSYC 4193); Technical Authorship (CHEG 588V)

- 2009-2013 Postdoctoral Associate/ Instructor/ Assistant Professor, Physician Assistant Program, Duke University School of Medicine  
Instructor, Physician Assistant Anatomy  
Lab Instructor, Doctor of Physical Therapy Anatomy  
Guest Lecturer, Clinical Medicine III  
Supervisor/Mentor, Doctor of Physical Therapy Teaching & Learning Elective  
Discussant, Concepts in Evolutionary Anthropology  
Instructor, Geometric Morphometrics in Biological Anthropology
- 2005-2009 Graduate Teaching Assistant, Arizona State University  
Bones, Stones, and Human Evolution  
Human Osteology  
Advanced Forensic Anthropology  
Hadar Paleoanthropology Field School  
Clinical Anatomy (ASU/ UofA Medical School)  
Anatomy and Physiology II
- 2000-2002 Undergraduate Teaching Assistant, College of Charleston  
Introduction to Physical Anthropology (Supervised by D. Cope)  
Introduction to Archaeology (Supervised by M. Hays)

#### ACADEMIC FIELDWORK

- 2012-Present Co-director, Pleistocene survey of the Oltet River Valley, Romania. Directed by **Claire Terhune**, Sabrina Curran, Chris Robinson, and Alexandru Petculescu.
- 2011 Hacienda La Pacifica visiting researcher. Hacienda La Pacifica (Costa Rica) directed by Chris Vinyard, Susan Williams, and Ken Glander.
- 2007 Hadar Paleoanthropological Field School teaching assistant. Hadar field school (Ethiopia) directed by William Kimbel and Kaye E. Reed.
- 2005-2006 Princeton Cyprus Expedition paleopathology analyst and excavator. Polis Chrysochous site (Polis, Cyprus) directed by William Childs.
- 2004 Sopeña archaeological excavation team member. Sopeña site (Asturias, Spain) directed by Ana C. Pinto.
- 2002 Los Altares paleontological graduate research assistant and excavation team member. Los Altares site (Chihuahua, Mexico) directed by Dana Cope, Ben Brown, Jim Westgate, and Jeff Pittman.
- 2001 Los Altares paleontological excavation team member. Los Altares site (Chihuahua, Mexico) directed by Dana Cope, Ben Brown, Jim Westgate, and Jeff Pittman.
- 2000 GXVI archaeological excavation team member. *Grotte Seize* site (Dordogne, France) directed by Jan Simek, Jean-Phillipe Rigaud, and Maureen Hays.

#### INVITED WORKSHOPS AND CONFERENCES

- AnthroTree Workshop. Sponsored by the National Science Foundation and the National Evolutionary Synthesis Center, May 29-June 4, 2012, Amherst, MA.



- Geometric Morphometrics Workshop at Iowa State University. Jointly sponsored by the National Science Foundation and Iowa State University, May 29 -June 2, 2006, Ames, IA.

#### THESES AND DISSERTATIONS

- 2010 *The temporomandibular joint in anthropoid primates; functional, allometric, and phylogenetic influences.* Ph.D. Dissertation, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ.
- 2005 *Variation and diversity in Homo erectus: A 3D geometric morphometric analysis of the temporal bone.* Unpublished M.A. Thesis, Department of Anthropology, Arizona State University, Tempe, AZ.
- 2002 *Neandertal and modern human interaction in early Upper Paleolithic Europe.* Unpublished Honor's Thesis, Department of Sociology and Anthropology, College of Charleston, Charleston, SC.

#### CULTURAL RESOURCE MANAGEMENT PUBLICATIONS (SELECTED; NOT PEER REVIEWED)

- **Terhune CE.** 2018. Faunal Remains. In *Archaeological Investigations at Antler House Village, AZ N:12:64 (ASM): A Persistent Pre-Classic Farmstead in a Northern Hohokam Hinterland.* EcoPlan Associates, Inc., Mesa, AZ.
- **Terhune CE.** 2009. Human Skeletal Remains. In *Data Recovery Report for the Pueblo Del Rio Archaeological Site, Phoenix, AZ.* (edited by G. Gage). Northland Research, Inc. Tempe, AZ.
- Sorrell D, Phillips B, and **Terhune CE.** 2006. Archaeological Monitoring Report for a City of Phoenix Water Main Installation Project along 19<sup>th</sup> Avenue between Roeser and Broadway Roads, Maricopa County, Arizona. EcoPlan Cultural Resources Monitoring Report 03-674:19. EcoPlan Associates, Inc., Mesa, AZ.
- **Terhune CE.** 2006. Vertebrate Faunal Remains and Modified Bone Analysis. In *The Archaeology of the Agua de la Mision Site (AZ BB:13:205 [ASM]), Tucson Basin, Southern Arizona* (edited by J.S. Bruder and J. Baker). EcoPlan Cultural Resources Data Recovery Report 00-469:90, EcoPlan Associates, Inc., Mesa, AZ.
- Gentilli T, **Terhune CE.** 2005. *A Cultural Resource Survey of the Painted Cliffs Rest Area, Lupton, Apache County, Arizona.* EcoPlan cultural Resource Report 04-712:41. EcoPlan Associates, Inc., Mesa, AZ.
- **Terhune CE.** 2004. *A Cultural Resource Survey of 0.3 Miles of the Walnut Canyon National Monument Access Road, Coconino County, Arizona.* EcoPlan Cultural Resource Report 02-599: 4. EcoPlan Associates, Inc., Mesa, AZ.
- **Terhune CE.** 2004. *Thirty Six Culverts on State Route 89: Documentation of the Information Potential Associated with the Historic State Highway System (TRACS 089 YV 258 H5717 01C; MP 258.3-267.5).* EcoPlan HSHS Documentation Report No. 02-599: 2, EcoPlan Associates, Inc., Mesa, AZ.

#### PROFESSIONAL SERVICE

- Ongoing Manuscript reviewer for American Journal of Physical Anthropology; Archives of Oral Biology; Evolutionary Biology; International Journal of Osteoarchaeology; Journal of Anatomy; Journal of Archaeological Science: Reports; Journal of Human Evolution; Nature Communications; Palaeogeography, Palaeoclimatology, Palaeoecology; PLoS ONE; The Anatomical Record; Surface Topography Metrology and Properties; Yearbook of Physical Anthropology
- Ongoing Grant reviewer for the National Science Foundation and the Leakey Foundation
- 2018 Program Committee Member, American Association of Physical Anthropologists
- 2016-Present Associate Editor, Journal of Human Evolution
- 2014-2018 Steering Committee Member, Physical Anthropology Women's Mentoring Network
- 2016-2018 National Science Foundation Biological Anthropology Senior Research Award Panelist
- 2012-2016 Program Committee Member, American Association of Physical Anthropologists
- 2016 Member, American Association of Physical Anthropologists Professional Development Grant Review Committee
- 2013- 2015 Guest Co-Editor (with SB Cooke), special issue of The Anatomical Record entitled "Assessing function via shape: what is the place of geometric morphometrics in functional morphology?" published January 2015 (Volume 298 Issue 1).
- 2013 AAA/AAPA student award judge. Award sponsored by the American Association of Anatomists and American Association of Physical Anthropologists, Knoxville, TN

- 2013 Co-organizer (with SB Cooke) of symposium entitled “Assessing function via shape: What is the place of geometric morphometrics in functional morphology?” held at the 2013 Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN
- 2012 Career panelist and student award judge. Panel and award sponsored by the American Association of Anatomists, held at the American Association of Physical Anthropology Meetings, Portland, OR

#### **DEPARTMENT AND UNIVERSITY SERVICE**

- 2014-Present Organizer, Human Origins Group Current Anthropology Literature Lunch, Department of Anthropology, University of Arkansas
- 2018-2019 Search Committee, Assistant Professor (Biological Anthropology)
- 2018 Women of STEM Invited Panelist, University of Arkansas Biology Club, March 8, 2018.
- 2017 Panelist, Get the Grant Workshop, sponsored by Fulbright College, University of Arkansas. October 4, 2017
- 2016-2018 Ad hoc Committee on Diversity and Inclusion, Department of Anthropology, University of Arkansas
- 2014-2016 Lab Safety Officer, Department of Anthropology, University of Arkansas
- 2014-2017 Faculty Advisor, Anthropology Graduate Student Consortium, Department of Anthropology, University of Arkansas
- 2015-2016 Search Committee, Assistant Professor (Archaeology)
- 2015 Search Committee, Clinical Assistant Professor (Cultural Anthropology)
- 2011-2012 Volunteer reader, Duke Reader Project ([dukereaderproject.org](http://dukereaderproject.org)), Duke University
- 2004-2005 Physical Anthropology subdiscipline representative, Association of Anthropology Graduate Students, Arizona State University

#### **PUBLIC OUTREACH**

- 2014- Present Classroom presentation “What is Anthropology?” Presented to Haas Hall Academy, Fayetteville, AR; Oakdale Middle School, Rogers, AR; Elkins Elementary School, Elkins, AR; Springdale Montessori School, Springdale, AR
- 2018-2019 Volunteer speaker, Skype a Scientist
- 2017-2019 Co-organizer and speaker, 4G: Gifted Girls Going Great Places; Mini-STEM conference held at the University of Arkansas and organized with Rogers School District
- 2017 Anthropology booth organizer, Girl Fest STEAM Expo; event organized by the Girl Scouts Diamonds of Arkansas, Oklahoma, and Texas.
- 2017 Guest speaker/ presenter, Girls of Promise Conference; STEM education event organized by the Women’s Foundation of Arkansas, Little Rock, AR (April 13-14, 2017)
- 2016-2019 Organizer and Participant, Anthropology Open House, University of Arkansas
- 2016-2017 Anthropology and Math- Develop (with 7<sup>th</sup> grade teacher Kim Shaw) and implement a series of lectures and exercises focused on using anthropology to demonstrate how math is used in science and in everyday life. Lincoln Junior High School, Bentonville, AR
- 2016 Fulbright Friday guest lecture at Butterfield Trail Village Retirement Community
- 2003-2009 Education tour guide, Institute of Human Origins, Arizona State University
- 2002 Darwin Week instructor and participant, College of Charleston, Charleston, SC

#### **STUDENT ADVISING**

##### *As committee chair*

- In progress Logan Hearp, Undergraduate Honors Thesis, Department of Anthropology, University of Arkansas
- In progress Maureen Balcerzak, Undergraduate Honors Thesis, Department of Anthropology, University of Arkansas
- In progress Blossom Amechi, Undergraduate Honors Thesis, Department of Anthropology, University of Arkansas
- In progress Caitlin Yoakum, PhD Dissertation, Department of Anthropology, University of Arkansas
- In progress Ashly Romero, PhD Dissertation, Department of Anthropology, University of Arkansas
- 2018 Lydia Haake, Undergraduate Honors Thesis, Department of Anthropology, University of Arkansas
- 2018 Ashly Romero, MA Thesis, Department of Anthropology, University of Arkansas
- 2017 Patricia Ramos, Undergraduate Honors Thesis, Department of Anthropology, University of Arkansas

### *As committee member*

In progress Liam Zachary, PhD Dissertation, Department of Anthropology, University of Arkansas  
In progress Lesley Eason, PhD Dissertation, Department of Anthropology, University of Arkansas  
2019 Laura McGeehee, Undergraduate Honors Thesis, Department of Psychology, University of Arkansas  
2018 Travis Garvin, MA Thesis, Department of Biomedical Sciences, Grand Valley State University  
2018 Nicole Robinson, MA Thesis, Department of Anthropology, University of Arkansas  
2018 Hannah Grace Showalter, MA Thesis, Department of Anthropology, University of Arkansas  
2016 Lilly Sage McCoy, Undergraduate Honors Thesis, Department of Psychology, University of Arkansas

### **STUDENT GRANTS AND AWARDS**

2017 Student Undergraduate Research Fellowship (SURF) award to Lydia Haake (\$4,000)  
2016 Student Undergraduate Research Fellowship (SURF) award to Patricia Ramos (\$4,000)

### **MUSEUM COLLECTIONS VISITED FOR RESEARCH**

Cleveland Museum of Natural History, Cleveland, OH	Staatliches Museum für Naturkunde, Stuttgart, Germany
American Museum of Natural History, New York, NY	Musee de l'Homme, Paris, France
National Museum of Natural History, Washington, DC	Institut de Paleontologie Humaine, Paris, France
Field Museum, Chicago, IL	Universita La Sapienza, Rome, Italy
Royal Museum for Central Africa, Tervuren, Belgium	Museo Pigorini, Rome, Italy
State Collection of Anthropology and Paleoanatomy, Munich, Germany	University of Witwatersrand, Johannesburg, South Africa
National Museum of Ethiopia, Addis Ababa, Ethiopia	Ditsong Museum of Natural History, Pretoria, South Africa
British Museum of Natural History, London, England	
Institut Royale des Sciences Naturalles, Brussels, Belgium	

### **PROFESSIONAL DEVELOPMENT EVENTS**

- New faculty lunch series and assorted teaching symposia (2014-Present). Sponsored by the Teaching and Faculty Support Center, University of Arkansas.
- Teaching Camp (August 9-11, 2015). Sponsored by the Teaching and Faculty Support Center, University of Arkansas
- Early Career Mentoring Professional Development Workshop (March 25, 2015). Sponsored by the American Association of Physical Anthropologists Committee on Diversity Women's Initiative.
- Research Camp (October 21-22, 2014). Sponsored by the Office of the Vice Provost for Research and Economic Development, University of Arkansas.
- Teaching Camp (August 4-5, 2014). Sponsored by the Teaching and Faculty Support Center, University of Arkansas
- Preparing for Promotion Workshop series (May-June 2012). Sponsored by the Department of Community and Family Medicine, Duke University Medical Center
- Teaching IDEAS Workshop Series: Promoting Active Learning in the Science Classroom (February 21, 2011); Strategies to Teach Large Enrollment Classes Successfully (March 28, 2011); The Other Side of the Box: Fostering Creativity In- and Out of- the College Classroom (October 9, 2012); Promoting Academic Integrity (October 26, 2012). Sponsored by the Center for Instructional Technology, Duke University
- Small Group Teaching, Sponsored by the Department of Community and Family Medicine, Duke University Medical Center. January 19, 2011
- Responsible Conduct of Research Workshop (November 18, 2010). Sponsored by the Office of Postdoctoral Services, Duke University
- "Writing From the Reader's Perspective" Workshop by George Gopen. Sponsored by Office of Research Support, Duke University. February 11-March 4, 2010

### **PROFESSIONAL MEMBERSHIPS**

American Association of Anatomists	European Society for Human Evolution
American Association of Physical Anthropologists	Golden Key National Honor Society

Lambda Alpha, Anthropology Honor Society  
National Society of Collegiate Scholars  
Paleoanthropology Society  
Physician Assistant Education Association

Sigma Xi, The Scientific Research Honors Society  
Society for Integrative and Comparative Biology  
Society of Vertebrate Paleontology

Last Updated: July 30, 2019