

TIMOTHY D. WEAVER

Department of Anthropology
University of California
One Shields Avenue
Davis, CA 95616, U.S.A.

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Email: tdweaver@ucdavis.edu
Website: paleoanthropology.ucdavis.edu

Areas of specialization

Human evolution, Neandertals, modern human origins, childbirth, bipedalism, recent human biological variation

Education

STANFORD UNIVERSITY, STANFORD, U.S.A.

2002 Ph.D. in Anthropology
1998 A.M. in Anthropology

DARTMOUTH COLLEGE, HANOVER, U.S.A.

1995 A.B. in Computer Science and Earth Sciences
cum laude overall with HIGH HONORS for undergraduate thesis in Earth Sciences

Awards and fellowships

2010 Nominee for Associated Students of UC Davis Excellence in Education Award
2009 Article selected by Faculty of 1000 Biology
2003 Michael Guyer Postdoctoral Fellowship, University of Wisconsin
2002 Bernard J. Siegel Award (for research and publication), Stanford University
2001 Juan Comas Award (for a conference presentation), American Association of Physical Anthropologists
2000 Dissertation Write-Up Fellowship, Andrew W. Mellon Foundation
1999 Bridge Fellowship, Andrew W. Mellon Foundation
1998 Summer Research Fellowship, Stanford University
1996 Doctoral Fellowship, Stanford University

Academic appointments and associations

UNIVERSITY OF CALIFORNIA, DAVIS, U.S.A.

- 2018- Professor, Department of Anthropology
2011-2018 Associate Professor, Department of Anthropology
2006-2011 Assistant Professor, Department of Anthropology

MAX PLANCK INSTITUTE FOR EVOLUTIONARY ANTHROPOLOGY, LEIPZIG, GERMANY

- 2006- Associated Researcher, Department of Human Evolution
2004-2006 Postdoctoral Fellow, Department of Human Evolution

UNIVERSITY OF WISCONSIN, MADISON, U.S.A

- 2003-2004 Postdoctoral Fellow, Department of Zoology

STANFORD UNIVERSITY, STANFORD, U.S.A.

- 2001-2003 Lecturer, Department of Anthropological Sciences

Professional affiliations

UNIVERSITY OF CALIFORNIA, DAVIS, U.S.A.

- 2008-2014 Ad Hoc Committee on the Treatment of Skeletal Remains
2015- Anthropology Museum Committee
2008- Forensic Science Graduate Group

NATIONAL/INTERNATIONAL

- 1997- American Association of Physical Anthropologists
2014- European Society for the Study of Human Evolution
1997- L.S.B. Leakey Foundation
2001- Paleoanthropology Society

Publications

JOURNAL ARTICLES

38. Weaver, Timothy D. 2018. Neutral theory and the evolution of human physical form: an introduction to models and applications. *Journal of Anthropological Sciences* 96:7-26.
37. Henn, Brenna M., Teresa E. Steele, and Timothy D. Weaver. 2018. Clarifying distinct models of modern human origins in Africa. *Current Opinion in Genetics and Development* 53:148-156.

36. Weaver, Timothy D. and Philipp Gunz. 2018. Using geometric morphometric visualizations of directional selection gradients to investigate morphological differentiation. *Evolution* 72:838-850.
35. Katz, David C., Mark N. Grote, and Timothy D. Weaver. 2017. Changes in human skull morphology across the agricultural transition are consistent with softer diets in pre-industrial farming groups. *Proceedings of the National Academy of Sciences of the U.S.A.* 114:9050-9055.
34. Weaver, Timothy D. 2016. Estimators for Q_{ST} and coalescence times. *Ecology and Evolution* 6:7783-7786.
33. Katz, David C., Mark N. Grote, and Timothy D. Weaver. 2016. A mixed model for the relationship between climate and human cranial form. *American Journal of Physical Anthropology* 160:593-603.
32. Weaver, Timothy D., Hélène Coqueugniot, Luibov V. Golovanova, Vladimir B. Doronichev, Bruno Maureille, and Jean-Jacques Hublin. 2016. Neonatal postcrania from Mezmaiskaya, Russia, and Le Moustier, France, and the development of Neandertal body form. *Proceedings of the National Academy of Sciences of the U.S.A.* 113:6472-6477.
31. Gilmore, Cassandra C. and Timothy D. Weaver. 2016. Comparative perspective on antemortem tooth loss in Neandertals. *Journal of Human Evolution* 92:80-90.
30. Weaver, Timothy D. and Chris B. Stringer. 2015. Unconstrained cranial evolution in Neandertals and modern humans compared to common chimpanzees. *Proceedings of the Royal Society B: Biological Sciences* 282:20151519.
29. Guo, Jing, Jingze Tan, Yajun Yang, Hang Zhou, Sile Hu, Agu Hashan, Nurmamat Bahaxar, Shuhua Xu, Timothy D. Weaver, Li Jun, Mark Stoneking, and Kun Tang. 2014. Variation and signatures of selection on the human face. *Journal of Human Evolution* 75:143-152.
28. Weaver, Timothy D. 2014. Brief Communication: quantitative- and molecular-genetic differentiation in humans and chimpanzees: implications for the evolutionary processes underlying cranial diversification. *American Journal of Physical Anthropology* 154:615-620.
27. Weaver, Timothy D. 2014. Tracing the paths of modern humans from Africa. *Proceedings of the National Academy of Sciences of the U.S.A.* 111:7170-7171.
26. Weaver, Timothy D. 2012. Did a discrete event 200,000-100,000 years ago produce modern humans? *Journal of Human Evolution* 63:121-126.
25. Steele, Teresa E. and Timothy D. Weaver. 2012. Refining the Quadratic Crown Height Method of age estimation: do elk teeth wear quadratically with age? *Journal of Archaeological Science* 39:2329-2334.
24. Weaver, Timothy D., Ryan H. Boyko, and Teresa E. Steele. 2011. Cross-platform program for likelihood-based statistical comparisons of mortality profiles on a triangular graph. *Journal of Archaeological Science* 38:2420-2423.

23. Roseman, Charles C., Timothy D. Weaver, and Chris B. Stringer. 2011. Do modern humans and Neandertals have different patterns of cranial integration? *Journal of Human Evolution* 60:684-693.
22. Weaver, Timothy D., Teresa E. Steele, and Richard G. Klein. 2011. The abundance of eland, buffalo, and wild pigs in Middle and Later Stone Age sites. *Journal of Human Evolution* 60:309-314.
21. Coqueugniot, H el ene, Timothy D. Weaver, and Francis Hou et. 2010. Brief communication: a probabilistic approach to age estimation from infracranial sequences of maturation. *American Journal of Physical Anthropology* 142:655-664.
20. von Cramon-Taubadel, Noreen and Timothy D. Weaver. 2009. Insights from a quantitative genetic approach to human morphological evolution. *Evolutionary Anthropology* 18:237-240.
19. Weaver, Timothy D. 2009. The meaning of Neandertal skeletal morphology. *Proceedings of the National Academy of Sciences of the U.S.A.* 106:16028-16033 (reprinted in: *Companion to human evolution.* 2014. McBrearty, Sally, Ed. Cognella, 325-338).
18. Bailey, Shara E., Timothy D. Weaver, and Jean-Jacques Hublin. 2009. Who made the Aurignacian and other early Upper Paleolithic industries? *Journal of Human Evolution* 57:11-26.
17. Weaver, Timothy D. and Jean-Jacques Hublin. 2009. Neandertal birth canal shape and the evolution of human childbirth. *Proceedings of the National Academy of Sciences of the U.S.A.* 106:8151-8156.
16. Bailey, Shara, Michelle Glantz, Timothy D. Weaver, and Bence Viola. 2008. The affinity of the dental remains from Obi-Rakhmat Grotto, Uzbekistan. *Journal of Human Evolution* 55:238-248.
15. Weaver, Timothy D., Charles C. Roseman, and Chris B. Stringer. 2008. Close correspondence between quantitative- and molecular-genetic divergence times for Neandertals and modern humans. *Proceedings of the National Academy of Sciences of the U.S.A.* 105:4645-4649.
14. Weaver, Timothy D. and Charles C. Roseman. 2008. New developments in the genetic evidence for modern human origins. *Evolutionary Anthropology* 17:69-80.
13. Roseman, Charles C. and Timothy D. Weaver. 2007. Molecules versus morphology? Not for the human cranium. *BioEssays* 29:185-188.
12. Coqueugniot, H el ene and Timothy D. Weaver. 2007. Brief communication: infracranial maturation in the skeletal collection from Coimbra, Portugal: new aging standards for epiphyseal union. *American Journal of Physical Anthropology* 134:424-437.
11. Tilkens, Michael J., Cara Wall-Scheffler, Timothy D. Weaver, and Karen Steudel-Numbers. 2007. The effects of body proportions on thermoregulation: an experimental assessment of Allen's rule. *Journal of Human Evolution* 53:286-291.
10. Steudel-Numbers, Karen L., Timothy D. Weaver, and Cara M. Wall-Scheffler. 2007.

The evolution of human running: effects of changes in lower-limb length on locomotor economy. *Journal of Human Evolution* 53:191-196.

9. Weaver, Timothy D., Charles C. Roseman, and Chris B. Stringer. 2007. Were Neandertal and modern human cranial differences produced by natural selection or genetic drift? *Journal of Human Evolution* 53:135-145.
8. Harvati, Katerina and Timothy D. Weaver. 2006. Human cranial anatomy and the differential preservation of population history and climate signatures. *The Anatomical Record Part A* 288A:1225-1233.
7. Steudel-Numbers, Karen and Timothy D. Weaver. 2006. Froude number corrections in Anthropological studies. *American Journal of Physical Anthropology* 131:27-32.
6. Weaver, Timothy D. and Karen Steudel-Numbers. 2005. Does climate or mobility explain the differences in body proportions between Neandertals and their Upper Paleolithic successors? *Evolutionary Anthropology* 14:218-223.
5. Weaver, Timothy D. and Charles C. Roseman. 2005. Ancient DNA, late Neandertal survival, and modern-human-Neandertal genetic admixture. *Current Anthropology* 46:677-683.
4. Roseman, Charles C. and Timothy D. Weaver. 2004. Multivariate apportionment of global human craniometric diversity. *American Journal of Physical Anthropology* 125:257-263.
3. Weaver, Timothy D. 2003. The shape of the Neandertal femur is primarily the consequence of a hyperpolar body form. *Proceedings of the National Academy of Sciences of the U.S.A.* 100:6926-6929.
2. Steele, Teresa E. and Timothy D. Weaver. 2002. The modified triangular graph: A refined method for comparing mortality profiles in archaeological samples. *Journal of Archaeological Science* 29:317-322.
1. Weaver, Timothy D., Suhail A. Islam, and David L. Weaver. 1994. Mac Molecular: A program for visualization of molecular structures on the Macintosh. *Journal of Molecular Graphics* 12:231-234.

BOOK CHAPTERS

4. Bailey, Shara E., Timothy D. Weaver, and Jean-Jacques Hublin. 2017. The dentition of the earliest modern humans: how 'modern' are they? In: *Human paleontology and prehistory. Contributions in honor of Yoel Rak.* Marom, Assaf and Erella Hovers, Eds. Springer: New York, 215-232.
3. Weaver, Timothy D. 2011. Rates of cranial evolution in Neandertals and modern humans. In: *Computational paleontology.* Elewa, Ashraf, Ed. Springer: New York, 165-178.
2. Harvati, Katerina and Timothy D. Weaver. 2006. Reliability of cranial morphology in reconstructing Neanderthal phylogeny. In: *Neanderthals revisited: new approaches and perspectives.* Harvati, Katerina and Terry Harrison, Eds. Springer: New York, 239-

1. Weaver, Timothy D. and Richard G. Klein. 2005. The evolution of human walking. In: Human Walking. 3rd Edition. Rose, Jessica and James G. Gamble, Eds. Lippincott, Williams, and Wilkins: Philadelphia, 23-32.1.

COMMENTS, REVIEWS, THESES, AND MULTIMEDIA

7. Weaver, Timothy D. In Press. Book review of “50 great myths of human evolution: understanding misconceptions about our origins”, John H. Relethford. Journal of Anthropological Research.
6. Weaver, Timothy D. 2015. Genetics and human skeletal variation. In: Human population genetics II, the biomedical and life sciences collection, Henry Stewart Talks Ltd, London. Rosenberg, Noah A. and Nielsen, Rasmus, Eds. (Online at: hstalks.com/t/2999/genetics-and-human-skeletal-variation/?biosci)
5. Steele, Teresa E. and Timothy D. Weaver. 2014. Comment on Cieri et al. Current Anthropology 55:434-435.
4. Weaver, Timothy D. 2003. Book review of “The speciation of modern *Homo sapiens*”, Tim J. Crow, Ed. The Quarterly Review of Biology 78:513.
3. Weaver, Timothy D. 2002. A multi-causal functional analysis of hominid hip morphology. Ph.D. dissertation. Stanford University, Stanford, U.S.A.
2. Weaver, Timothy D. 1998. Examining Plio/Pleistocene hominid subsistence activities from a community ecology perspective. Masters thesis. Stanford University, Stanford, U.S.A.
1. Weaver, Timothy D. 1995. Interactive computer visualization of fossil specimens. Honors thesis. Dartmouth College, Hanover, U.S.A.

PUBLISHED CONFERENCE ABSTRACTS

26. Adegboyega, Mayowa T., Jean-Jacques Hublin, and Timothy D. Weaver. 2018. Virtual reconstruction of the Kebara 2 Neanderthal pelvis. American Journal of Physical Anthropology Supplement 66:6.
25. Savell, Kristen R.R., David C. Katz, Benjamin M. Auerbach, and Timothy D. Weaver. 2018. A mixed model for the relationship between latitude and human post-cranial form. American Journal of Physical Anthropology Supplement 66:239.
24. Stamos, Peter A., Zeresenay Alemseged, Abhijit J. Chaudhari, and Timothy D. Weaver. 2018. Using Machine Learning to predict locomotor behavior from femoral metaphyseal morphology in apes and humans. American Journal of Physical Anthropology Supplement 66:263.
23. Vetr, Nikolai G., Michael R. May, Brian R. Moore, and Timothy D. Weaver. 2018. Adapting multivariate Brownian diffusion models to Bayesian inference of human population history and phylogeny. American Journal of Physical Anthropology Supplement 66:287-288.

22. Katz, David C., Mark N. Grote, and Timothy D. Weaver. 2017. Integration between the cranium and mandible in recent humans. *American Journal of Physical Anthropology Supplement* 64:239.
21. Stamos, Peter A., Zeresenay Alemseged, Abhijit J. Chaudhari, and Timothy D. Weaver. 2017. Femoral metaphyseal morphology as a predictor of locomotor behavior. *American Journal of Physical Anthropology Supplement* 64:368.
20. Weaver, Timothy D. and Philipp Gunz. 2016. Using geometric morphometric visualizations of directional selection gradients to investigate morphological differentiation. *American Journal of Physical Anthropology Supplement* 62:331.
19. Katz, David C., Mark N. Grote, and Timothy D. Weaver. 2016. Climate and diet signatures in human skull shape: a mixed model approach. *American Journal of Physical Anthropology Supplement* 62:188.
18. Katz, David C., Mark N. Grote, and Timothy D. Weaver. 2015. Beyond the Mantel test: phylogenetic mixed models and human cranial form as a multivariate response. *American Journal of Physical Anthropology Supplement* 60:184.
17. Weaver, Timothy D. 2014. Comparison of quantitative- and molecular-genetic differentiation in humans and chimpanzees. *American Journal of Physical Anthropology Supplement* 58:268.
16. Blume, Mandy K and Timothy D. Weaver. 2013. Sexual dimorphism in the hyoid of recent human populations: a functional morphometric approach. *American Journal of Physical Anthropology Supplement* 56:83-84.
15. Weaver, Timothy D. 2011. Did a short-term event in the Middle Pleistocene give rise to modern humans? *American Journal of Physical Anthropology Supplement* 52:307.
14. Steudel-Numbers, Karen L., Timothy D. Weaver, and Cara M. Wall-Scheffler. 2009. Just how inefficient is human running? *American Journal of Physical Anthropology Supplement* 48:247.
13. Weaver, Timothy D. 2009. The paradox of human cranial variation. *American Journal of Physical Anthropology Supplement* 48:268.
12. Steudel-Numbers, Karen L., Cara M. Wall-Scheffler, Marcella M. Myers, and Timothy D. Weaver. 2007. The energetic cost of human running: factors affecting its variability. *American Journal of Physical Anthropology Supplement* 44:224-225.
11. Weaver, Timothy D. and Jean-Jacques Hublin. 2007. First look at a Neandertal birth canal. *PaleoAnthropology* A34.
10. Tilkens, Mike J., Cara M. Wall, Timothy D. Weaver, and Karen Steudel-Numbers. 2006. The effect of body proportions on thermoregulation: an experimental approach. *American Journal of Physical Anthropology Supplement* 42:176.
9. Weaver, Timothy D., Charles C. Roseman, and Chris B. Stringer. 2006. Were Neandertal and modern human cranial differences produced by natural selection or random genetic drift? *PaleoAnthropology* A89.

8. Bailey, Shara E. and Timothy D. Weaver. 2006. Who made the early Upper Paleolithic? The wisdom of the teeth. *PaleoAnthropology* A91.
7. Weaver, Timothy D. 2005. Does femoral head size reflect the magnitude of hip joint reaction force in adult humans? *American Journal of Physical Anthropology Supplement* 40:219.
6. Steudel-Numbers, Karen and Timothy D. Weaver. 2005. Did the short hindlimbs of many ancestral hominids result in reduced energetic efficiency in running? *American Journal of Physical Anthropology Supplement* 40:197.
5. Weaver, Timothy D. and Charles C. Roseman. 2004. Ancient DNA, late Neandertal survival, and modern human and Neandertal admixture. *PaleoAnthropology*. A28.
4. Roseman, Charles C. and Timothy D. Weaver. 2003. A multivariate apportionment based on craniometric traits of global diversity in contemporary humans. *American Journal of Physical Anthropology Supplement* 36:180.
3. Weaver, Timothy D. 2001. Climate induced variation in recent human hip morphology. *American Journal of Physical Anthropology Supplement* 32:161.
2. Weaver, Timothy D. 2001. The relationship of body proportions with femoral and pelvic shape in recent humans and Late Pleistocene to Holocene fossil hominids. *Journal of Human Evolution* 40:A24-25.
1. Weaver, Timothy D., Robert G. Franciscus, Corey D. Karlin, Elizabeth A. Burson, and Karen A. Gust. 1998. 3-D coordinate analysis of the Kebara 2 Neandertal pelvis. *American Journal of Physical Anthropology Supplement* 26:228.

Selected talks and workshop participation

- 2018 Department of Anthropology, University of Michigan
- 2017 Trustees, L.S.B. Leakey Foundation
- 2016 Department of Archaeology, Simon Fraser University
- 2016 Sacramento Archaeological Society
- 2016 Featured Presenter, Iowa City Darwin Day
- 2015 Department of Archaeology, University of Cape Town
- 2014 Department of Anthropology, University of Iowa
- 2014 Keynote speaker, Sacramento Anthropological Society annual conference
- 2014 “Evolution of modern humans: from bones to genomes” conference, Cell symposium
- 2013 Department of Anthropology, University of Minnesota
- 2013 Department of Anthropology, New York University
- 2012 Department of Geosciences, Eberhard Karls Universität Tübingen
- 2011 “Muddles in the middle” symposium, American Association of Physical Anthropologists annual meeting
- 2010 California Academy of Sciences

2010 Department of Anthropology, University of Pennsylvania
 2009 “Transition from archaic to modern” conference, Max Planck Institute for Evolutionary Anthropology
 2009 “Quantitative genetic approaches to human phenotypic evolution” symposium, American Association of Physical Anthropologists annual meeting
 2007 Department of Anthropological Sciences, Stanford University
 2007 Orthopaedic Surgery Department, UC Davis School of Medicine
 2005 “Neanderthals revisited” conference, New York University
 2004 Department of Zoology, University of Wisconsin-Madison
 2003 Department of Anthropological Sciences, Stanford University
 2001 Laboratory for Human Evolutionary Studies, University of California, Berkeley
 2001 Trustees and Scientific Executive Committee, L.S.B. Leakey Foundation

Grants

2017 Research grant (co-PIs R.R. Ackermann, L. Hlusko, S. Kanthaswamy, D.C. Katz), National Science Foundation (\$396,395)
 2016 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2016 RAPID research grant (co-PIs R.R. Ackermann, S. Kanthaswamy, D.C. Katz), National Science Foundation (\$78,192)
 2014 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2013 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2012 Provost Hybrid Course Award (with A.J. Marshall), University of California, Davis (\$27,500)
 2012 Dissertation Improvement Grant (co-PI D.C. Katz), National Science Foundation (\$11,970)
 2012 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2011 Undergraduate Instructional Enhancement Program, University of California, Davis (with T.E. Steele, \$9,051)
 2011 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2011 Research Grant, L.S.B. Leakey Foundation (\$12,500)
 2010 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$1,800)
 2009 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
 2008 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)

- 2007 Small Grant in Aid of Research Program, Committee on Research, University of California, Davis (\$2,000)
- 2007 Undergraduate Instructional Improvement Program, University of California, Davis (with H.M. McHenry, \$6,000)
- 1999 Research Grant, L.S.B. Leakey Foundation (\$11,959)
- 1998 Research Grant, Morrison Institute for Population and Resource Studies, Stanford University (\$4,000)

Collections studied

- 2012 Harvard Peabody Museum, Cambridge, MA
- 2012 Musée Royal de l'Afrique Centrale, Tervuren
- 2012 Max Planck Institute for Evolutionary Anthropology, Leipzig
- 2012 Natural History Museum, London
- 2012 Powell-Cotton Museum, Birchington
- 2011 American Museum of Natural History, New York
- 2011 Smithsonian Institution, Washington, DC
- 2011 Harvard Peabody Museum, Cambridge, MA
- 2011 Harvard Museum of Comparative Zoology, Cambridge, MA
- 2009 Cleveland Museum of Natural History, Cleveland, OH
- 2008 Smithsonian Institution, Washington, DC
- 2006 Laboratory for Prehistory, St. Petersburg
- 2005 Natural History Museum, London
- 2005 Universidade de Coimbra, Coimbra
- 2001 Smithsonian Institution, Washington, DC
- 2000 Università' di Roma "La Sapienza", Rome
- 2000 Musée d'Anthropologie Préhistorique, Monaco
- 2000 Istituto di Antropologia, Florence
- 1999 Wits Medical School, Johannesburg
- 1999 University of Zurich-Irchel, Zurich
- 1999 University of Iowa, Iowa City
- 1999 University of Cape Town Medical School, Cape Town
- 1999 Cambridge University, Cambridge
- 1999 Transvaal Museum, Pretoria
- 1999 Tel Aviv University Medical School, Tel Aviv
- 1999 South African Museum, Cape Town
- 1999 Smithsonian Institution, Washington, DC
- 1999 Rheinisches Landesmuseum, Bonn
- 1999 Oxford University, Oxford
- 1999 Natural History Museum, London
- 1999 Musée de l'Homme, Paris
- 1999 l'Université de Genève, Geneva
- 1999 Katholieke Universiteit te Leuven, Leuven
- 1999 Institut Royal des Sciences Naturelles de Belgique, Brussels

1999 Institut de Paléontologie Humaine, Paris
1999 Harvard Peabody Museum, Cambridge
1999 American Museum of Natural History, New York
1997 Stanford University Medical School, Stanford

Professional service

EDITORIAL BOARDS

2013-2015 Associate Editor, Journal of Human Evolution

OCCASIONAL GUEST EDITOR

Proceedings of the National Academy of Sciences of the U.S.A.

OCCASIONAL JOURNAL ARTICLE REFEREE

American Journal of Human Biology, American Journal of Physical Anthropology, Annals of Human Biology, Biology Letters, Collegium Antropologicum, Evolution, Evolutionary Anthropology, Human Biology, International Journal of Evolutionary Biology, International Journal of Osteoarchaeology, Journal of Anatomy, Journal of Anthropological Sciences, Journal of Archaeological Science, Journal of Comparative Human Biology "HOMO", Journal of Human Evolution, Journal of Theoretical Biology, Nature Communications, PaleoAnthropology, Photochemistry and Photobiology, PLoS One, Proceedings of the National Academy of Sciences of the U.S.A., Proceedings of the Royal Society B, Science, Scientific Reports, Transactions of the Royal Society of South Africa

OCCASIONAL BOOK/CHAPTER REFEREE

Elsevier, Springer, Southern Illinois University Center for Archaeological Investigations, Wiley-Blackwell, W.W. Norton

OCCASIONAL GRANT/FELLOWSHIP REFEREE

Agence Nationale de la Recherche of France, Cambridge University (multiple colleges), Graduate Women in Science (SDE/GWISS) Fellowships, L.S.B. Leakey Foundation, National Environment Research Council of the United Kingdom, National Science Foundation of the U.S.A., Social Sciences and Humanities Research Council of Canada, United States-Israel Binational Science Foundation

CONFERENCES

2009 Co-organizer with Noreen von Cramon-Taubadel of a symposium "Quantitative genetic approaches to human phenotypic evolution" at the 78th meeting of the American Association of Physical Anthropologists (Chicago, IL)

Teaching and student supervision

COURSES TAUGHT

Undergraduate courses: Advanced Human Osteology, Human Evolutionary Anatomy, Human Evolutionary Biology (intro to biological anthropology) in both traditional and “flipped” formats, Human Osteology, Neandertals and Modern Human Origins

Graduate courses: History and Theory in Biological Anthropology, seminars on: applying geometric morphometrics to issues in human evolution, genetic evidence for modern human origins, human origins, and Neandertals and modern human origins

PH.D. STUDENTS, MAJOR PROFESSOR

Cassandra Gilmore (graduated 2012), Anthropology, University of California, Davis
David Katz (graduated 2016), Anthropology, University of California, Davis
Peter Stamos (graduated 2018), Anthropology, University of California, Davis
Mayowa Adegboyega, Anthropology, University of California, Davis
Chelsea Cataldo-Ramirez, Anthropology, University of California, Davis
Nikolai Vetr (Lashinsky), Anthropology, University of California, Davis

PH.D. STUDENTS, COMMITTEE

Radu Iovita (graduated 2008), Anthropology, University of Pennsylvania
Robert Stallmann (graduated 2008), Anthropology, University of California, Davis
Meradeth Snow (graduated 2012), Anthropology, University of California, Davis
Julia Zichello (graduated 2014), NYCEP, CUNY Graduate Center
Steven Schwartz (withdrew 2014), Anthropology, University of California, Davis

M.A. STUDENTS, COMMITTEE

Traci Carlson (graduated 2013), Forensic Science, University of California, Davis
Li Li (graduated 2017), Computer Science, University of California, Davis

UNDERGRADUATE STUDENTS, HONORS THESIS/RESEARCH PROJECT ADVISOR

Nicholas Longo (graduated 2009), Anthropology, University of California, Davis
Mandy Kylie Blume (graduated 2011), Anthropology, University of California, Davis
Lauren Duckworth, Anthropology, University of California, Davis