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Evolución Humana (CENIEH)
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CURRENT POSITION

Research Professor
National Center for Research on Human Evolution (CENIEH)
Paseo Sierra de Atapuerca 3, 09002 Burgos, España

EDUCATION

1998-2000 **PhD, Penn State University**, University Park, PA, Biological Anthropology
1996-1998 **MA, Penn State University**, w/distinction, Univ. Park, PA, Biological Anthropology
1989-1992 **BA, University of Virginia**, Charlottesville, VA, Anthropology and Archaeology

AWARDS AND HONORS

2022-2027 **European Research Council Advanced Grant Investigator**, European Union
2025 **Distinguished Lecture, International Assoc. Dental Research** annual conference
2023-2025 **President of the American Association of Biological Anthropologists**
2022 **Gabriel W. Lasker Service Award**, American Association of Biological Anthropologists
2021 **Extraordinary Teaching in Extraordinary Times**, University of California Berkeley
2019-2020 **Adobe Teaching Fellow**, University of California Berkeley
2015-2016 **Chancellor's Public Scholar**, University of California Berkeley
2014 **Innovative Teaching Award**, American Cultures Program, Univ. California Berkeley
2012 **Elected Fellow, American Association for the Advancement of Science**
2006 **Hellman Faculty Award**, University of California Berkeley
2003 **Arnold O. Beckman Research Award**, University of Illinois Research Board
2003 **List of Teachers Ranked as Excellent**, fall semester, University of Illinois
2000 **Student Presentation Prize**, American Association of Biological Anthropologists
1999 **Student Presentation Prize**, American Association of Biological Anthropologists
1997-2000 **National Science Foundation Graduate Fellowship**
1998 **Matson-Benson Award**, Penn State University Anthropology Museum
1996-1997 **Graham's Fellow**, Penn State University

ACADEMIC EMPLOYMENT

2021 – current Profesora de Investigación (Research Professor)
Centro Nacional de Investigación sobre la Evolución Humana (CENIEH), Burgos, Spain
2018 – 2022 Professor, Department of Integrative Biology (emeritus as of 2023)
Associate Director, Human Evolution Research Center
Faculty Curator, Museum of Paleontology
University of California, Berkeley
2008 – 2018 Associate Professor, Department of Integrative Biology
Associated Faculty, Human Evolution Research Center
Associate Faculty Curator, Museum of Paleontology
University of California, Berkeley
2004 – 2008 Assistant Professor, Department of Integrative Biology
Associated Faculty, Human Evolution Research Center

Assistant Faculty Curator, Museum of Paleontology
University of California, Berkeley

2000 – 2004 Assistant Professor, Department of Anthropology
Assistant Professor, Program in Ecology and Evolutionary Biology (2003-2004)
University of Illinois, Urbana-Champaign

Fall 2001, Academic Year 2002-03; Visiting Assistant Researcher, Museum of Vertebrate Zoology,
University of California, Berkeley

June 2000 Instructor, Governor's Institute for Life Science Educators, Penn State University College of
Medicine, Hershey, PA

1996 – 1997 Graduate Research Assistant, Dept. Anthropology, Penn State University

1995 – 1996 Internship, National Museum of Natural History, Smithsonian Institution (Dr. R. Potts)

Spring 1993 Teaching Assistant, Intro Paleoanthropology, George Washington University, Herndon, VA

1992 Archaeological field crew, Octagon House, Am. Institute of Architects, Washington DC

NON-ACADEMIC EMPLOYMENT

1994 – 1995 National Geographic Magazine, Washington, DC, Illustrations Assistant

1993 – 1994 Storch & Brenner, Attorneys at Law, Washington, DC, Clerk/Paralegal

1992 Various retail positions & internships, Washington, DC

PROFESSIONAL SERVICE

2024 – current Project leader and Chair, Scientific Advisory Board for the **Dental Morphology Database**
(<https://demoda.cenieh.es>)

2022 – 2026 President (March 2023-March 2025; elect, current, and past), American Association of
Biological Anthropologists

2020 – 2022 Vice President and Chair of the Scientific Program Committee, American Association of
Biological Anthropologists

2020 – 2023 Member-at-Large, American Association for the Advancement of Science, Section H

2019 – 2023 Executive Committee, American Association of Anthropological Genetics

2019 – 2022 Associate Editor, *Journal of Human Evolution*

2019 – 2020 Member of the Access Committee for the ICTS-CENIEH
(Centro Nacional de Investigación sobre la Evolución Humana, Burgos, Spain)

2017 – current Managing Board, *Peer Community in Paleontology (PCI Paleo)*

2016 – 2020 Editorial Board, *American Anthropologist*

2016– 2019 Editorial Board, *Dental Anthropology Journal*

2013 – current Member, Board of Directors, Human Origins Research and Scholarship Fund

2015 – 2018 Chair of the Student Programs Committee
Executive Committee, American Association of Biological Anthropology

2012 – 2015 Elections Committee, Section H, American Association for the Advancement of Science

2008 – 2012 Director, Genetics and Evolution of the Skeleton Research Initiative (consortium of UC
Berkeley, UC San Francisco, UC Davis faculty and other scientists in the Bay Area)

2007 – 2011 American Association of Biological Anthropologists, student awards judge

2006 – 2009 Vice President, President, and Past President, American Association of Anthropological
Genetics

2005 – 2012 Outreach Committee, American Association of Anthropological Genetics

PROFESSIONAL SOCIETY MEMBERSHIPS

Annually:

American Assoc. for the Advancement of Science
American Association of Anthropological Genetics
American Association of Biological Anthropologists
Dental Anthropology Association
European Society for the Study of Human Evolution
International Society for Evolution, Medicine, and Public Health

Episodically:

Human Biology Association
Society for Integrative and Comparative Biology
Society for the Study of Evolution
Society of Vertebrate Paleontology

RESEARCH GRANTS

(Government and non-university grant awards total approximately \$4,500,00 or 4.500.000€)

- 2022 **European Research Council Advanced Grant** (2.252.168€) 2022-2027
Title: Expanding our understanding of human evolution through pleiotropy (Tied2Teeth)
Project 101054659-Tied2Teeth- ERC-2021-ADG
PI: LJ Hlusko
- 2021 **National Science Foundation** (\$585,301) 2021-2024
Title: Disentangling the genetic, biomechanical, and deep-time factors underlying mammalian skeletal diversity
Award Number: 2128146 (Lead PI: Jack Tseng, co-PIs: Leslea Hlusko and Chris Law)
- 2020 **University of California Cancer Research Coordinating Committee** (\$75,000)
Title: Ectodysplasin Receptor in breast density and breast cancer
(Lead PI: Kunxin Luo, co-PI: Leslea Hlusko)
- 2018 **France-Berkeley Fund** (\$11,400)
Title: A new collaboration focused on recently recovered evidence of human evolution from the Omo, Ethiopia (Co-PIs: Leslea Hlusko and Jean-Reneau Boisserie, Centre National de la Recherche Scientifique, France)
- 2017 **National Science Foundation** (\$410,875) 2017-2023
Title: Morphological consequences of hybridization in primate and human evolution: a macaque model
Award Number: 1720128 (Lead PI: Timothy Weaver, University of California Davis; Co-PIs: includes L. Hlusko)
National Science Foundation (\$22,734)
Title: Skeletal morphology of early *Homo sapiens*
Award Number: 1732221 (DDIG, PI: Hlusko, co-PI: M. Brasil)
Leakey Foundation (~\$4,000)
Title: Skeletal Morphology of Early *Homo Sapiens* from Middle Awash, Ethiopia.
PI: Leslea Hlusko, co-PI: M Brasil (for dissertation research)
- 2015 **Palaeontological Scientific Trust (PAST), South Africa** (R 58,800; ~\$5,000)
Developing a Quantitative Approach for Identifying Paleo-Species in the South African Fossil Record of Old World Monkeys (Co-PI with Dominic Stratford, University of Witwatersrand)
- 2013 **Leakey Foundation** (\$12,500)
Title: Curatorial Rescue of Mary Leakey's Excavated Fossils at Olduvai Gorge, Tanzania
(PI: J.K. Njau, Indiana University; co-PI: L. Hlusko)
- 2010 **National Science Foundation** (\$494,904) 2010-2014
Title: Vertebrate Paleontology at Olduvai Gorge, Tanzania
Award Number: 1025263 (PI: L. Hlusko; senior personnel: J.K. Njau)
- 2009 **National Science Foundation** (\$15,000)
Title: *In utero* sources of skeletal variation: the role of maternal prenatal stress
Award Number: 0925788 (DDIG, PI: Hlusko, co-PI: S.K. Amugongo)
National Science Foundation (\$4,875) REU supplement 2009
Title: The Evolution of Modularity in the Dentition of Old World Monkeys
Award Number: 0616308 (PI: L. Hlusko)
- 2008 **National Geographic Society, Waitt Grant** (\$15,000)
Title: Surveying for New Paleoanthropological Sites in Tanzania (Co-PIs: L. Hlusko, J. Njau)
Univ. California, Committee on Research, Faculty Research Grant (\$4,000)
Title: Genetic basis of hairlessness in dogs (project with postdoc J. Moustakas)
- 2007 **Wenner-Gren International Collaborative Research Grant** (\$29,974)
Title: Surveying for New Paleoanthropological Sites in Tanzania (Co-PIs: L. Hlusko, J. Njau)
- 2006 **National Science Foundation** (\$438,633) 2006 - 2010
Title: The Evolution of Modularity in the Dentition of Old World Monkeys

- Award Number: 0616308 (PI: L. Hlusko)
Univ. California, Committee on Research, Junior Faculty Research Grant (\$5,000)
 Title: Paleoanthropological Survey of Tanzania (PI: L. Hlusko)
- 2005 **Univ. California, Committee on Research, Junior Faculty Research Grant** (\$4,000)
 Title: Quantitative Genetic Analysis of the Mouse Skull, part II (PI: L. Hlusko)
National Science Foundation (\$3,500) REU supplement 2005 – 2006
 Title: Investigating Genetic Mechanisms of the Baboon Dentition (PI: L. Hlusko)
- 2004 **Univ. California, Committee on Research, Junior Faculty Research Grant** (\$4,950)
 Title: Quantitative Genetic Analysis of the Mouse Skull, part I (PI: L. Hlusko)
- 2003 **National Science Foundation** (\$15,274)
 Title: Narok Paleontological Survey Project, Award Number: 0327208 (PI: L. Hlusko)
University of Illinois, Urbana-Champaign (\$18,908)
 College of Liberal Arts and Sciences Research Board, **Arnold O. Beckman Award**
 Title: Narok Paleontological Survey Project, Part 2 (PI: L. Hlusko)
- 2002 **National Science Foundation** (\$215,607) 2002 -2006
 Title: Investigating Genetic Mechanisms of the Baboon Dentition
 Award Number: 0130277 and 0500179 (PI: L. Hlusko)
American Association for the Advancement of Science (\$5,000)
 Women's International Science Collaboration (WISC) Program
 PI: L. Hlusko for collaboration with Dr. E. Güleç, Ankara University, Turkey
Leakey Foundation (\$14,128)
 Title: Paleontological Study of a 6 Myr Site in Narok, Kenya (PIs: L. Hlusko and S. Ambrose)
- 2001 **University of Illinois, Urbana-Champaign** (\$18,056)
 College of Liberal Arts and Sciences Research Board (PI: L. Hlusko)
University of Illinois, Urbana-Champaign (\$2,500)
 Center for African Studies (PI: L. Hlusko)
- 2000 **University of Illinois, Urbana-Champaign** (\$20,000)
 College of Liberal Arts and Sciences Research Board (PI: L. Hlusko)
- 1999 **National Science Foundation Dissertation Improvement Grant** (\$12,000)
Research and Graduate Studies Office, Penn State University (\$1,000)
Hill Foundation, Department of Anthropology, Penn State University (\$1,800)

PUBLICATIONS

Under review:

- Brenner AL, Buck LT, Ackermann RR, **Hlusko LJ**, Kanthaswamy S, Katz DC, Henn BM, Weaver TD.
 Comparing the effects of hybridization on the mandible and pelvis in a macaque model.
American Journal of Biological Anthropology in review
- Buck LT, Brenner A, Ackermann RR, **Hlusko LJ**, Kanthaswamy S, Katz DC, Weaver TD. The pattern
 of the effects of hybridization across the skeleton. *Human Evolutionary Sciences* in review
- Coletta DK, **Hlusko LJ**, Scott GR, Klimentidis YC, Pastore A, Palumbo S, Fatima N, Mandarino LJ.
 Selective advantages, selective mismatches, chronic inflammation, obesity, and Type 2
 diabetes. A new hypothesis to explain the effects of natural selection on genetic variation at the
 Ectodysplasin A Receptor Locus. *BMJ Open Diabetes Research & Care* in re-review
- Hlusko LJ** and Stone AC. For biological anthropology, 2025 marked a significant point of transition.
American Anthropologist in re-review
- Laird MF, Contreras DA, **Hlusko LJ**, Krueger KL. Occlusal relief and dental wear predict pulp chamber
 volume in captive baboons. *American Journal of Biological Anthropology* in review

- ^{PD}Martínez de Pinillos González M, ^{PD}Modesto-Mata M, ^{GS}Thiebaut A, **Hlusko LJ**. Low levels of sexual dimorphism and high levels of correlation within the human deciduous molars from the Ratón Pérez Collection. *American Journal of Biological Anthropology* in review
- ^{PD}Martínez de Pinillos González M, Álvarez Fernández A, Delgado Esteban B, Delgado M, Dern LL, Irish J, Kondo O, Martínón Torres M, ^{PD}Modesto-Mata M, Scott GR, ^{GS}Thiebaut A, Paul KS, Pilloud M, Rathmann H, Reyes-Cenento H, Vlemincq T, **Hlusko LJ**. DeMoDa: A global open access database for comparative research in human dental morphological variation. *Journal of Anthropological Sciences (JASs)* in review (bioRxiv preprint: <https://www.biorxiv.org/content/10.64898/2026.05.30.728952v2.full>)
- ^{PD}Modesto-Mata M, Martínón-Torres M, Arsuaga JL, Bermúdez de Castro JM, Hlusko LJ. Deep learning reveals shortened dental development in Atapuerca hominins. *PeerJ* submitted

Published¹

2026

115. Kato, Akiko, Bharatiya M, Grine FE, **Hlusko LJ**, McGraw WS, Skinner M, Sokolowski K, Swedell L, Smith TM. Accepted. Molar enamel thickness variation in baboons. *PaleoAnthropology*
114. ^{GS}Thiebaut A, Roseman CC, Mahaney MC, **Hlusko LJ**. Quantitative genetic analysis of baboon facial variation challenges a classic papionin trait. *Integrative Organismal Biology* obag031, <https://doi-org.libproxy.berkeley.edu/10.1093/iob/obag031>
113. **Hlusko LJ**, Guy F, ^{PD}Modesto-Mata M, ^{PD}Martínez de Pinillos González M, Brasil MF, ^{PD}Towle I, ^{GS}Thiebaut A, Boissérie J-R. In press. Taxonomic assignments for the 3.4 Ma to 1.1 Ma hominin postcanine teeth from the Usno and Shungura Formations, Lower Omo Valley, Ethiopia. *Comptes Rendus Palevol* (Recommended by *PCI Paleo* <https://paleo.peercommunityin.org/articles/rec?id=360>)
112. ^{GS}Thiebaut A, Guy F, **Hlusko LJ**, Surault J, ^{PD}Towle I, Redae BE, Boissérie J-R. In press. New insights into the ontogeny of *Paranthropus boisei* offered by a juvenile upper masticatory apparatus from the Shungura formation (Ethiopia). *Comptes Rendus Palevol* (Recommended by *PCI Paleo* <https://paleo.peercommunityin.org/articles/rec?id=403>)
111. Beyene Y, Asfaw B, White TD, WoldeGabriel G, Bernor R, Bibi F, Boissérie J-R, Brasil M, Brochu CA, Carlson JP, Garcia NG, Giaourtsakis IX, Hailu H, Hart WK, Head JJ, **Hlusko LJ**, Kaya F, Louchart A, Malaku S, Müller J, Niespolo E, Pehlevan C, Renne PR, Souron A, Sanchez-Romero L. 2026. Halibee Member Archaeology: Middle Stone Age Environment, Technology, and Postmortem Modifications. *Proc Natl Acad Sci U.S.A.* 123 (17) e2534441123 <https://doi.org/10.1073/pnas.2534441123>

2025

110. Law C, **Hlusko LJ**, Tseng J. 2025. Long-fuse evolution of carnivoran skeletal phenomes through the Cenozoic. *Proceedings B* 292(2061):20252400. <https://doi.org/10.1098/rspb.2025.2400>
109. ^{PD}Martínez de Pinillos Gonzalez M, Moreno-Torres C, **Hlusko LJ**. 2025. Dataset of tooth size measurements from the deciduous dentitions of 52 Spanish children. A reference collection for science. *Data in Brief* <https://doi.org/10.1016/j.dib.2025.112342>
- *108. **Hlusko LJ**. 2025. Taking evo-devo to the next level. *Proc Natl Acad Sci U.S.A.* 122(41):e2519801122. (INVITED COMMENTARY). <https://doi.org/10.1073/pnas.2519801122>
107. ^{PD}Modesto-Mata M, Thiebaut A, Krueger KL, Maga M, Joganic J, Cheverud J, **Hlusko LJ**. Easier said than done: unexpected hurdles to preparing for data-collection ~1,000 cranial CT scans from an online digital repository. *PeerJ* 13:e20172 <https://doi.org/10.7717/peerj.20172>

¹ Coauthors who were mentored in Hlusko's lab at the time the research was conducted are indicated with superscripts: "PD" for postdoc, "GS" for graduate student or post-UG paid research assistant, and "UG" for undergraduate student. Publications marked with an asterisk (*) are other than peer-reviewed research publications.

106. Krueger KL, ^{PD}Towle I, Matthews G, Álvarez-Fernández A, **Hlusko LJ**. 2025. Tracking molar wear in captive baboons: sex and age effects using a modified Scott scoring system. *American Journal of Biological Anthropology* 188:e70126. <https://doi.org/10.1002/ajpa.70126>
105. ^{GS}Lepore T, **Hlusko LJ**, Armstrong L, Frank R, Tseng ZJ, Schmitt CA, Rizk O, Baranger A. 2025. The tangible benefits of disability and accessibility awareness in evolutionary biology college courses centered in Universal Design for Learning (UDL). *CBE-Life Sciences Education* 24(3):ar34 <https://www.lifescied.org/doi/full/10.1187/cbe.24-12-0295>
104. ^{GS}Lepore T, Lu J, Starowicz R, and **Hlusko LJ**. 2025. Student perception of accessibility and disability in college evolutionary biology courses: a qualitative study using reflexive thematic analysis. *International Journal of Inclusive Education* 1-36 <https://doi.org/10.1080/13603116.2025.2481888>
103. ^{PD}Towle I, O'Hara MC, Leece AB, Herries AIR, Adjei A, Guatelli-Steinberg D, ^{PD}Martínez de Pinillos M, ^{PD}Modesto-Mata M, ^{GS}Thiebaut A, ^{PD}Hernando R, Irish JD, Guy F, Boissérie J-R, **Hlusko LJ**. 2025. Uniform, circular, and shallow enamel pitting in hominins: Prevalence, morphological associations, and potential taxonomic significance. *Journal of Human Evolution* 204:103703. <https://doi.org/10.1016/j.jhevol.2025.103703>
102. Law CJ, **Hlusko LJ**, Tseng ZJ. 2025. The carnivoran adaptive landscape reveals trade-offs among functional traits in the skull, appendicular, and axial skeleton. *Integrative Organismal Biology* obaf001. <https://doi.org/10.1093/iob/obaf001>
101. Buck LT, Katz DC, Ackermann RR, **Hlusko LJ**, Kanthaswamy S, Weaver TD. 2025. A macaque model for the effects of hybridization on body size. *Am J Biol Anthropol* 186(2):e25062. <http://doi.org/10.1002/ajpa.25062>
100. ^{PD}Brasil MF, ^{PD}Monson TA, Stratford DJ, **Hlusko LJ**. 2025. A hypothesis-driven approach to species identification in the fossil record: a papionine case study. *Frontiers in Ecology and Evolution* 186(2):e25062. <https://doi.org/10.3389/fevo.2024.1481903>

2024

99. ^{PD}Towle I, Krueger KL, ^{PD}Hernando R, **Hlusko LJ**. 2024. Assessing tooth wear progression in non-human primates: a longitudinal study using intraoral scanning technology. *PeerJ* 12:e17614 <https://doi.org/10.7717/peerj.17614>
98. ^{PD}Towle I, Lock C, Oxenham M, Krueger KL, Salem AS, ^{PD}Martínez de Pinillos M, ^{PD}Modesto-Mata M, **Hlusko LJ**. 2024. Micro-CT calibration using dental tissue for bone mineral research. *American Journal of Biological Anthropology* 184:324952 <https://doi.org/10.1002/ajpa.24952>
97. ^{PD}Modesto-Mata M, de la Fuente Valentín L, **Hlusko LJ**, ^{PD}Martínez de Pinillos M, Towle I, García-Campos C, Martínón-Torres M, Bermúdez de Castro J. 2024. Artificial neural networks reconstruct missing perikymata in worn teeth. *Anatomical Record* 1-19 <https://doi.org/10.1002/ar.25416>
96. ^{PD}Towle I, Loch C, ^{PD}Martínez de Pinillos M, ^{PD}Modesto-Mata M, **Hlusko LJ**. 2024. Severe enamel defects in wild Japanese macaques. *International Journal of Zoology* Vol 2024:Article ID 8445492 <https://doi.org/10.1155/2024/8445492>
95. Law CJ, **Hlusko LJ**, Tseng ZJ. 2024. Uncovering the mosaic evolution of carnivoran skeletal systems. *Biology Letters* 20230526. <https://doi.org/10.1098/rsbl.2023.0526>
94. ^{PD}Taylor C, Masao F, Njau JK, Songita AV, **Hlusko LJ**. 2024. OH 89: A newly described 1.8 million-year-old hominid clavicle from Olduvai Gorge. *Peer Community Journal*, 4:e34. <https://peercommunityjournal.org/articles/10.24072/pcjournal.372/>
- *93. **Hlusko LJ**, McNelis MG. 2024. The need to avoid over-simplifications in evolutionary biology. *Acta Paediatrica* DOI: 10.1111/apa.17477 (LETTER TO THE EDITOR)

2023

92. Scott GR, Vlemincq-Mendieta T, Dern L, O'Rourke D, **Hlusko LJ**, Hoffeecker J. 2023. Peopling of the Americas: a new approach to assessing dental morphological variation in Asian and Native American populations. *Am J Biological Anthropology* <https://doi.org/10.1002/ajpa.24878>
91. Hoffeecker J, Scott E, O'Rourke D, **Hlusko LJ**, Potapova O, Pitulko V, Pavlova E, Bourgeon L, Vachula R. 2023. Beringia and the peopling of the Western Hemisphere. *Proceedings of the Royal Society B* 290:20222246 <https://doi.org/10.1098/rspb.2022.2246>
90. ^{GS}Taylor CE, ^{GS,PD}Brasil MF, Monson TA, ^{GS}Yohler RM, **Hlusko LJ**. 2023. Two recently recovered Late Pleistocene *Cercopithecus* (Cercopithecidae: Primates) fossil assemblages from the Afar Depression of Ethiopia. *American Journal of Biological Anthropology* 180(1):6-47. <https://doi.org/10.1002/ajpa.24637>
89. ^{GS,C}Brasil MF, ^{GS}Taylor CE, ^{GS}Yohler RM, Monson TA, **Hlusko LJ**. 2023. A fossil assemblage of near-modern *Papio hamadryas* from the Afar Depression of Ethiopia. *American Journal of Biological Anthropology* 180(1):48-76. <https://doi.org/10.1002/ajpa.24634>
88. ^{GS,PD}Brasil MF, Monson RA, ^{GS}Taylor CE, ^{GS}Yohler RM, **Hlusko LJ**. 2023. Hundreds of newly-recovered *Colobus* (Cercopithecidae: Primates) fossils from the Late Pleistocene of the Afar Depression of Ethiopia. *American Journal of Biological Anthropology* 180(1):77-114. <https://doi.org/10.1002/ajpa.24639>
- *87. **Hlusko LJ**. 2023. An open-source pipeline to reconstruct phylogenies with paleoproteomic data. *Peer Community in Paleontology*, 100220. <https://doi.org/10.24072/pci.paleo.100220> (COMMENTARY)
- *86. **Hlusko LJ**. 2023. Contribution in *Human: Perspectives on Our Evolution from World Experts*, edited by Sergio Almécija, published by Columbia University Press. (SCIENCE COMMUNICATION)
- *85. **Hlusko LJ**. 2023. Foreword. *A Companion to Biological Anthropology, Second Edition*. Clark Larsen (Ed). Wiley Blackwell. (BOOK FOREWARD)

2022

84. Monson TA, Weitz A, Brasil MF, **Hlusko LJ**. 2022. Teeth, prenatal growth rates, and the evolution of human-like pregnancy in later *Homo*. *Proceedings of the National Academy of Sciences USA* 119(41):e2200689119 <https://doi.org/10.1073/pnas.2200689119>
83. Monson TA, Brasil MF, Mahaney MC, Schmitt CA, ^{PD}Taylor CE, **Hlusko LJ**. 2022. Keeping 21st century paleontology grounded: Quantitative genetic analyses and ancestral state reconstruction re-emphasize the essentiality of fossils. *Biology*, 11, 1218. <https://doi.org/10.3390/biology11081218>
82. Font-Porterias N, ^{GS}McNelis MG, Comas D, **Hlusko LJ**. 2022. Evidence of selection in the ectodysplasin pathway among endangered aquatic mammals. *Integrative and Organismal Biology* 4(1):obac018 <https://doi.org/10.1093/iob/obac018>
81. **Hlusko LJ**, ^{GS}McNelis, MG. 2022. Evolutionary adaptation highlights the interconnection of fatty acids, sunlight, inflammation, and epithelial adhesion. *Acta Paediatrica* 111(7):1313-1318. <https://doi.org/10.1111/apa.16358>
80. ^{UG}Takenaka R, ^{UG}Clay SM, ^{UG}Yoo S, **Hlusko LJ**. 2022. Conserved and taxon-specific patterns of phenotypic modularity in the mammalian dentition. *Integrative and Organismal Biology* 4(1):obac017 <https://doi.org/10.1093/iob/obac017>
- *79. Elton S, Adams JW, Arenson JL, Beaudet A, Belmaker M, Harrison T, Jolly CJ, **Hlusko LJ**. 2022. Comment (Case 3847) – Support for proposed conservation of *Simopithecus oswaldi* Andrews, 1916 (currently *Theropithecus oswaldi*; Mammalia, Primates, CERCOPITHECIDAE) by reversal of precedence with *Cynocephalus atlanticus* Thomas, 1884. *Bulletin of Zoological Nomenclature* 79 (15 October 2022) ISSN 2057-0570 (online) (COMMENTARY)
- *78. **Hlusko LJ**. 2022. Lo que supone Atapuerca para mí. *Periódico de Atapuerca*, N#123 Marzo/Abril, p. 24. <http://kiosko.atapuerca.org/> (SCIENCE COMMUNICATION)

- *77. **Hlusko LJ**. 2022. Human genomics and divine intervention. In *Quest of the Historical Adam* Book Symposium. *Sapientia* <https://henrycenter.tiu.edu/2022/01/human-genomics-and-divine-intervention/> (BOOK REVIEW)

2021

76. Coletta DK, **Hlusko LJ**, Scott GR, Garcia LA, Vachon CM, Funk JL, Shaibi GQ, Hernandez V, De Felippis E, Mandarino LJ. 2021. Association of *EDARV370A* with breast density and metabolic syndrome in Latinos. *PLoS ONE* 16(10): e0258212. <https://doi.org/10.1371/journal.pone.0258212>
75. Scott GR, O'Rourke DH, Raff JA, Tackney JC, **Hlusko LJ**, Elias SA, Sicoli MA, Bourgeon L, Potapova O, Pavlova E, Pitulko V, Hoffecker JF. 2021. Peopling the Americas: not "Out of Japan". *PaleoAmerica* 7(4), 309-332. <https://doi.org/10.1080/20555563.2021.1940440>
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Introductory Course on Human Biological Variation

Videos: Leslea Hlusko's Fall 2020 online course at the University of California Berkeley, *IB35AC Human Biological Variation* (56 videos)
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- Buck L, Katz D, Ackermann R, Hlusko LJ, Kanthaswamy S, Weaver T. 2025. Postcranial skeletal size measurements of hybrid captive Rhesus macaques (*Macaca mulatta*) [Dataset]. Dryad. <https://doi.org/10.5061/dryad.z8w9ghxq7>
- Towle, Ian; O'Hara, Mackie; Leece, Angeline et al. (2025). Uniform, Circular and Shallow (UCS) enamel pitting in hominins: Prevalence, morphological associations, and potential taxonomic significance [Dataset]. Dryad. <https://doi.org/10.5061/dryad.69p8cz9f9>

CONFERENCES ORGANIZED:

American Association of Biological Anthropologists, Program Committee Chair 2021 and 2022
2021 Online-only program: April 7-28
<https://physanth.org/meetings-and-webinars/past-meetings/90th-annual-meeting-7-10-april-2021-baltimore/>

Number of attendees: approximately 1,000

Number of abstracts: 593 abstracts

Number of scientific sessions: 74

2022 Hybrid program: In-person in Denver (March 23-26) and Online (March 28-April 1)

<https://physanth.org/meetings-and-webinars/past-meetings/annual-meeting-2022/>

Number of attendees: approximately 1,300

Number of abstracts: 770

Number of scientific sessions: Denver = 47, Online = 52

Genetics and Evolution of the Skeleton Research Initiative, 2009-2011

Consortium between UC Berkeley, UC San Francisco, UC Davis, Cal State East Bay, Cal State Chico, and Lawrence Livermore National Lab

Director and Organizer: L. Hlusko

Inaugural symposium

26 March 2009 (70 participants)

2nd symposium

15 December 2009 (90 participants)

3rd symposium

10 September 2010 (130 participants)

4th symposium

15 June 2011 (100 participants)

SYMPOSIA ORGANIZED:

International Congress on Vertebrate Morphology 2016 (July), Washington D.C.

Mechanisms of Whole Dentition Patterning in Extant and Extinct Amniotes

Organizers: J. Richman, L. Hlusko, T. Grieco

Participants: T. Grieco, A. Lainoff, B. Thivichon-Prince, C.-H. Chuong, L. Hlusko, M. Huffman, M. Buchtova, R. Jiang, K. Brink, R. Burroughs, Zhe Xi Luo, A. LeBlanc, J. Whitlock, R. Reisz, P. Marangoni, J. Richman

American Association for the Advancement of Science 2016 (February), Washington D.C.

The Science of Human Evolution in Africa Session 12128, 90 minutes

Organizer: L. Hlusko

Participants: S. Tishkoff, Y. Sahle

American Association of Physical Anthropologists 2014 Calgary, Canada

Monkey Business: Recent Developments on the Evolution of the Old World Monkeys

Organizers: L. Hlusko and Stephen Frost

Participants: M. Nakatsukasa, S. Frost, E. Simons, B. Benefit, C. Gilbert, T. Monson, M. Anderson, N. Jablonski, S. Elton, N. Simons, A. Gosselin-Ildari, K. Turley, L. Gonzales, L. Hlusko, E. Delson, N. Ting

American Anthropological Association, San Francisco, 2012

Integrating our sciences: Crossing the borders of the disciplines

Organizer: Alice B. Kehoe; Chair: Leslea Hlusko

Participants: J. Marks, M. Slatkin, C. Crumley, R. Nielsen, J. Moore

American Association of Physical Anthropologists 2007 Philadelphia, Pennsylvania

Origins, The Genetic Evidence

Organizers: L. Hlusko and L. Havill

Participants: C. Beall, T. Disotell, L. Havill, K.L. Heckman, A. Holden, K. Kawasaki, K.K. Kidd, M. Mahaney, W.J. Murphy, D. O'Rourke, P. Reno, C. Roseman, C. Russo, S. Sholtis, A. Walker, K. Weiss, S. Williams-Blangero, A. Yoder

American Association for the Advancement of Science 2004 Seattle, Washington

Human Evolution at the Crossroads: Integrating Genetics and Paleontology Session 10201

Organizer: L. Hlusko; Participants: C. Chiu, L. Hlusko, H. Poinar, R. Raff, A. Walker, K. Weiss

INVITED ACADEMIC PRESENTATIONS, SYMPOSIA, WORKSHOPS:

- 2026** College of Diplomates of the American Board of Pediatric Dentistry, Webinar course, 16 January
Talk title: How Variation in the Shape of Incisors Unlocked a Mystery about Human Evolutionary Adaptation
- 2025** Asociación de Antropología Biológica Argentina, 1 Ciclo de Conferencias, April 8
Talk title: Human Adaptation to the Arctic: A Mystery Unlocked by Teeth
International Association of Dental Research, Distinguished Lecture, 27 June 2025, Barcelona
Talk title: How Variation in the Shape of Incisors Unlocked a Mystery about Human Evolutionary Adaptation
- 2024** Euro Evo Devo, Invited speaker in the symposium S22 – Mammalian evo-devo: insights from new animal models and evolutionary anthropology. 27 June 2024, Helsinki.
Talk title: Inferring the physiology of the maternal:infant relationship from the evolution of fossilized teeth.
- 2023** Liverpool John Moores University, Research Centre for Evolutionary Anthropology and Palaeoecology
January 31, Annual Public Lecture
Institute of Arctic and Alpine Research, University of Colorado Boulder
March 17-19 workshop invited participant
American Association of Biological Anthropologists, April 2023
Invited speaker in the symposium "Toward a holistic approach - Investigating the genetic underpinnings of phenotypic variation"
Tied Together: Pleiotropic Effects Across the Integument
University of Vienna, speaking in the cross-departmental colloquium on *Evolutionary Systems Biology: The Interaction and Evolution of Organisms*, planned for June 2023
- 2022** Japan Society for the Promotion of Science, December 17th
Commemorative Symposium in honor of the JSPS Prize in Biology awarded to Tim D. White
Integrating the Phenotype and Genotype in Primate and Human Evolutionary Studies
University of Cambridge, Biological Anthropology Seminar Series, November 23rd
The recently discovered ties between teeth and infants in human evolution
University of Bristol, Palaeobiology Discussion Group, April 22nd
A quantitative genetics perspective on morphology: A new approach to primate paleontology
American Association of Biological Anthropologists, March 28th
Invited speaker in the symposium "Integumentary Anthropology"
Tied Together: Pleiotropic Effects Across the Integument
Brazilian Society of Genetics, Darwin Day Conference opening talk, online, February 9th
Evolution in the Arctic: How an episode of adaptation presents new hypotheses about human health
- 2021** Evangelical Theological Society annual meeting, November 17th
A scientific response to William Lane Craig's book In Quest of the Historical Adam
International Society for Research on Human Milk and Lactation, August 17th
Evolutionary consideration of vitamin D and fatty acids in breast milk
University of Southern California, Paleosciences Research Seminar Series, January 19, 2021
Discerning the genetic evolutionary history of the mammalian dentition
- 2020** University of Southern California, Mar 24th cancelled due to pandemic
Oklahoma State University School of Medicine, Feb 7th

- 2019** University of California Davis, Department of Anthropology, departmental colloquium speaker, Dec 12th
International Congress on Vertebrate Morphology, Prague, Invited speaker in the symposium: *Natural selection and the evolution of phenotypic integration*
Global leadership in dental anthropological research: A symposium in honor of G. Richard Scott
American Association of Physical Anthropology, Cleveland OH. March 29:
Native American origins: An interdisciplinary critique of current models (coauthors: JF Hoffecker, GR Scott, Dennis O'Rourke, Mark A. Sicoli, Leslea J. Hlusko)
World-wide variation in incisor shoveling reveals evidence of selection in the Beringian Standstill population (coauthors: Leslea J. Hlusko, Joshua P. Carlson, George Chaplin, Scott A. Elias, John F. Hoffecker, Michaela Huffman, Nina G. Jablonski, Tesla A. Monson, Dennis H. O'Rourke, Marin A. Pilloud, Catherine Taylor, George R. Scott)
Science Foo Camp, July. Googleplex, Mountain View, CA, sponsored by Digital Science, O'Reilly Media, Google, and Nature (invited, could not attend due to overseas research schedule)
- 2018** University of Arizona College of Medicine, Endocrinology Journal Club, Works in Progress colloquium, October 23rd
University of California Davis, Milk Bioactive Research Group, colloquium (June)
Science Foo Camp, June 22-24. Googleplex, Mountain View, CA, sponsored by Digital Science, O'Reilly Media, Google, and Nature (invited participant)
- 2017** SUNY Stony Brook, Department of Ecology and Evolution colloquium (September)
Science Foo Camp, August 4-6. Googleplex, Mountain View, CA, sponsored by Digital Science, O'Reilly Media, Google, and Nature (invited participant)
Institut de Biologia Evolutiva, Universitat Pompeu Fabra (Barcelona, Spain), 29 May 2017, Women in Evolution (invited speaker)
American Association of Physical Anthropologists, New Orleans, LA. April 2017. Invited speaker in the symposium: *Diversity, variation, and paleoecology: a view of hominin complexity from the middle Pliocene of eastern Africa*. Organized by: Kaye Reed, Denise Su, Amy Rector.
American Association for the Advancement of Science (Boston, MA, February 17-20, 2017) invited speaker in the symposium *Beringia and the Global Dispersal of Modern Humans* organized by GR Scott, D O'Rourke, J Hoffecker
- 2016** American Association for the Advancement of Science, Washington DC, February 2016: One of three speakers in the symposium *The Science of Human Evolution in Africa* organized by L. Hlusko
School for Advanced Research (Santa Fe, NM), Advanced Seminar: *New Geospatial Approaches in Anthropology*, invited participant. March 6-10. Organized by R. Anemone and G. Conroy
American Association of Physical Anthropologists, Atlanta, GA, April. Invited participant in the symposium: *Old Questions, New Approaches and New Solutions: Celebrating the 30th Anniversary of the Dental Anthropology Association* organized by B. Hemphill and H. Edgar
International Congress on Vertebrate Morphology, Washington DC, July. Invited participant in the symposium: *Mechanisms of whole dentition patterning in extant and extinct amniotes* organized by J. Richman, L. Hlusko, T. Grieco
The Ohio State University, Department of Anthropology colloquium (April)
- 2015** Major Transitions in Evolution, Institute for Biotechnology, National Autonomous University of Mexico, March 23-25, 2015. 45 minute lecture, "Integrative genetic and paleoanthropological datasets to elucidate major transitions in human evolution"
University of California San Francisco, Orthopaedic Trauma Institute (July)
University of Witwatersrand, Johannesburg, South Africa, Evolutionary Studies Institute. (June)
- 2014** Institut de Paléontologie Humaine, "Les Hominidés du Pliocène et du Pléistocène inférieur et moyen dans le monde. La place de l'Homme de Tautavel, un *Homo heidelbergensis*, il y a 450

000 ans ", Tautavel, France, 23-27 June. Invited talk on the teeth of the Late and Middle Pleistocene of the Middle Awash, Ethiopia. (Organized by Profs. Henry and Marie Antoinette DeLumley)

University of Chicago, Department of Organismal Biology and Anatomy (October)

The Leakey Foundation Leadership Summit, April 24-25. Ten representatives from various institutions and nonprofit organizations met to explore ways to strengthen synergistic endeavors, including: National Science Foundation, The Wenner Gren Foundation for Anthropological Research, Stone Age Institute, Institute for Human Origins, Human Evolution Research Center (UC Berkeley), and the Leakey Foundation.

- 2013** PaleoCore Database Development Workshop, November 7-8, 2013. National Science Foundation funded workshop hosted at University of Texas, Austin, organizer: Denne Reed. (invited participant)
Society of Vertebrate Paleontology: Los Angeles, CA, October. Invited poster in the symposium: La Brea and Beyond: the Paleontology of Asphalt-Preserved Biotas, organized by Emily Lindsey, John Harris, and Greg McDonald.
University of California Berkeley, Genome Super Group seminar (December)
- 2012** Science Foo Camp, August 3-5, 2012. Googleplex, Mountain View, CA, sponsored by Digital Science, O'Reilly Media, Google, and Nature. (invited participant)
L.S.B. Leakey Foundation, *The Female in Evolution*. Moderator for the paleoanthropology session, 28 April, California Academy of Sciences, San Francisco.
- 2011** American Association of Anthropological Genetics: Minneapolis. Invited speaker in the symposium: *Ethical Currents in Anthropological Genetics*, organized by G. Cabana. Abstract published *American Journal of Physical Anthropology* Suppl. 52:164.
- 2010** American Association of Physical Anthropologists: Albuquerque, NM, April. Invited speaker in the symposium: *Anthropological perspectives on tooth morphology: genetics, evolution, variation*, organized by G.R. Scott and J.D. Irish.
- 2009** American Association of Anthropological Genetics: Chicago, Illinois. Invited speaker in the symposium: *Standing at the Crossroads: The genetics of Morphology*, organized by R. Sherwood and D. Duren. Abstract published *American Journal of Physical Anthropology* Suppl. 48:198.
Revealing Hominid Origins Initiative, Cercopithecoid Analytical Working Group, April 17-18, 2009, Penn State University; organized by Nina Jablonski, funded by the National Science Foundation (<http://rhoi.berkeley.edu/>) (PART 3, continuation of project from 2004 and 2007)
University of Illinois at Urbana-Champaign Department of Anthropology
University of California San Francisco School of Dentistry
Penn State University Department of Anthropology
- 2008** American Association of Physical Anthropologists: Columbus, OH, April 9-12. Invited speaker in the symposium: *Patterns and processes of morphological integration in primate and human evolution*. Organizers: C. Rolian and K. Willmore.
International Conference on Transforming the Might of a Century Long Research Output into Development, Addis Ababa, Ethiopia. (January). Hlusko, L.J. & Njau, J.K. Following the Ethiopian Model: Surveying for New Paleoanthropological Sites in Tanzania.
- 2007** 8th International Congress of Vertebrate Morphology: Paris, France, July 16-21. Invited speaker in the symposium: *From nanospheres to cusps: enamel development and its relevance for understanding aspects of palaeontology and evolution* (S2.2). Organizers: F. Ramirez Rozzi & R. Lacruz
American Association of Physical Anthropologists: Philadelphia, March 27-31. Invited speaker in the symposium: *What's New with Old Monkeys? Systematics, Phylogeny, and Paleobiology of Fossil Cercopithecids*, organized by E. Delson, S. Frost, and N. Jablonski.

- Revealing Hominid Origins Initiative, Cercopithecoid Analytical Working Group, March 31, 2007; organized by Nina Jablonski, funded by the National Science Foundation (<http://rhoi.berkeley.edu/>) (PART 2, continuation of project from 2004)
- 2006** American Association of Anthropological Genetics. Anchorage, Alaska. Invited speaker in the symposium: *Genetic Perspectives on Human Evolution and Prehistory*, organized by Dennis H. O'Rourke. Abstract published *American Journal of Physical Anthropology* Suppl. 42:104-105. University of California San Francisco School of Dentistry
- 2005** American Association of Anthropological Genetics: Anthropological and Primate Genetics Workshop. Dec 8-10, invited speaker
University of California San Francisco School of Dentistry, Characterization and Modification of Dental Hard Tissues (PPG ERB meeting, July 14, 2005), organized by Sally Marshall and Steve Bayne. NIH NICDR P20 proposal component talk: Exploring the patterning of the dentition through quantitative genetics (L. Hlusko)
Max-Planck-Institute for Evolutionary Anthropology; May 26-28, Dental Paleoanthropology Conference, invited speaker
University of California San Francisco School of Dentistry
Stanford University, Department of Anthropological Sciences, *Origins* Colloquium (2005)
American Association of Physical Anthropologists: Symposium: Dental anthropology 20 years after: The state of the science, organized by Joel D. Irish.
- 2004** American Association for the Advancement of Science, Seattle, WA, February 2004. (speaker & symposium organizer).
American Association of Anthropological Genetics. Symposium: QTL mapping in biological anthropology, organized by J. Blangero and S. Williams-Blangero. Abstract published *American Journal of Physical Anthropology* Suppl. 38: 141.
Society of Evolutionary Studies, Japan, 6th Annual Meeting. August 5th Symposium: Human Evolution, organized by Toshikazu Hasegawa.
Revealing Hominid Origins Initiative, Cercopithecoid Analytical Working Group, December 2-4, 2004; organized by Nina Jablonski, funded by National Science Foundation (<http://rhoi.berkeley.edu/>) PART 1
University of California Davis, Department of Anthropology
University of Tokyo, Society of Evolutionary Studies, Japan
- 2003** Wright State University, Department of Community Health
University of California Berkeley, Department of Integrative Biology
Southwest Foundation for Biomedical Research, Department of Physiology and Medicine
- 2001** Indiana University, Department of Anthropology

INVITED PUBLIC LECTURES AND SIGNIFICANT PUBLIC OUTREACH:

College of Diplomates of the American Board of Pediatric Dentistry

16 January 2026, online webinar lecturer

Human adaptation to the Arctic Ice Age, revealed by our teeth

Jornada de las Investigadores de Castilla y León

3 April 2025, Burgos, Spain

Ponencia Senior, *Los Dientes: Mucho más que Alimentación*

Museo de Evolución Humana, Master Class for STEM Talent Girl

3 December 2022, Burgos, Spain

CENIEH Podcast series: *Diálogos Sapiens – Sapiens Dialogues*

Recorded in October, published 23 de noviembre 2022

The Latest Twists in the study of human teeth: A conversation with Richard G. Scott

https://open.spotify.com/episode/0LntYHPNd2BT5LRa2Skud1?si=neux1v2GQogLDj1BJ_9QAw

Centre de Cultura Contemporània de Barcelona (CCCB) and EvoKE BCN 21, November 24, 2021

Sharing notes: Conversation with Leslea Hlusko, Carola Ortiz, and Toni Pou

<https://www.cccb.org/en/multimedia/videos/leslea-hlusko-carola-ortiz-and-toni-pou/237781>

CENIEH Darwin Day Lecture

February 2021

Evolutionary Biology of the Primate Dentition 150 Years After Darwin

<https://youtu.be/LtbQBUxVue0>

The Bearded Lady Project (2020) wrote an essay about my experiences as a woman in field paleontology that is part of the book *The Bearded Lady Project: Challenging the Face of Science* (Edited by LJ Marsh and E Currano, published by Columbia University Press, 2020).

Read my essay: <https://vimeo.com/413679812>

Race: The Power of an Illusion (<http://www.racepowerofanillusion.org/>), January 2019, served as one of the Expert Connections as part of the 15th anniversary of the PBS documentary first aired in 2003. <http://www.racepowerofanillusion.org/clips/the-evolution-of-human-biology-genomics-interview-with-leslea-hlusko>

Pixar Studios, Consultant. November 2018.

Pixar University, Speaker. November 2018.

World Economic Forum, Tianjin, China, Tianjin, China, 26-28 June. One of three UC Berkeley faculty speakers in the Berkeley Ideas Lab (June 2016) (pecha kucha presentation:

<https://youtu.be/74B3zTx7aBA>)

The Bearded Lady Project, (2015) one of the scientists profiled in this documentary film and photography project aimed at increasing awareness of women who do field work.

<http://thebeardedladyproject.com/>

Society of Women Geographers, Berkeley, CA, (November 2015)

Cal Discoveries alumni tour to Tanzania and Rwanda, faculty host & lecturer (Oct 22 - Nov 5, 2015)

City Lights Bookstore, San Francisco, reading from *Rad American Women from A to Z* (2015)

<https://youtu.be/BD6GR3tMTxI>

Atheist Community of San Jose (March, 2015) https://youtu.be/u_UgM17se9A

Adler Planetarium, Chicago, full dome public lecture co-sponsored by the Leakey Foundation
"Humans Evolving" (October 2014)

National Museum of Ethiopia, public lecture (March 2013)

Osher Lifelong Learning Institute (February 2013)

The Leakey Foundation, Board of Directors meeting (May 2012)

University of California Museum of Paleontology short course, *Think Evolution: A summer institute for science educators* (2011)

The Leakey Foundation, Online interview for *Dig Deeper* YouTube series (2011)

<https://youtu.be/xhaEbYhUeto>

Schools of the Sacred Heart, San Francisco (2009) (*Darwin Project*, panelist with Stanley Prusiner, Francisco Ayala, S.J. Coyne, and Peter Hess from NCSE)

East Bay Science Café (2009) public lecture

University of California Museum of Paleontology short course, *Think Evolution: A summer institute for science educators* (2009)

California Academy of Sciences (2008)

University of California Museum of Paleontology short course, *The Implications of Evolution: Evidence and Applications* (2007)

FIELD PROJECTS:

2010 – present **Omo Research Group Expedition** (Ethiopia), primate paleontologist.
Director: Jean-Renaud Boissarie

2006 – present **Tanzanian International Paleoanthropological Research Project** (2006-present)
Olduvai Vertebrate Paleontology Project (2010-present)

- co-director with Jackson K. Njau, Indiana University
- 2001 – 2010 **Narok Paleontological Research Project**, Kenya, lead paleontologist
Co-directors: Stan Ambrose, LJ Hlusko, & Mwanzia D. Kyule
- 1998 – present **Middle Awash Research Project**, Ethiopia, paleontologist
Directors: Berhane Asfaw, Tim White, & Giday WoldeGabriel
- 1998 **Johns Hopkins Paleontological Research Expedition**, Big Horn Basin, WY,
paleontologist. Director: Ken Rose
- 1997 **Allia Bay Site 261-1**, Lake Turkana, Kenya, paleontologist
Directors: Meave Leakey & Alan Walker

MUSEUM / INSTITUTIONAL RESEARCH:

- June 2015 Study of primate fossils, **Ditsong Museum**, Pretoria, South Africa
- June 2015 Study of primate fossils, Evolutionary Studies Institute, **University of Witwatersrand**, Johannesburg, South Africa
- 2004-present quantitative genetic analyses of skeletal variation in a pedigreed population of mice housed at the **Museum of Vertebrate Zoology**, University of California, Berkeley
- 2004-2018 Study of primate fossils from South Africa, **Museum of Paleontology**, University of California, Berkeley
- 2002-2018 Hominoid and cercopithecoid skeletal variation study, **Cleveland Museum of Natural History**
- 2001-2006 Lemudong'o and Narok fossil preparation and study, **National Museums of Kenya**
- 1998-present Middle Awash fossil preparation and study, **Ethiopian National Museum**, Addis Ababa
- 1999-present Living baboons at the **Southwest National Primate Research Center**, Texas Biomedical Research Institute, San Antonio, Texas
- 1998 Hominoid dental variation at the **Smithsonian National Museum of Natural History**
- 1997 Allia Bay fossil study, **National Museums of Kenya**
- 1996-1997 Hominoid mandibular variation in collections housed at the **Cleveland Museum of Natural History** and the **Smithsonian National Museum of Natural History**

REVIEWED FOR:

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|--|---|
| <i>Acta Odontologica Scandinavica</i> | <i>Folia Primatologica</i> |
| <i>American Anthropologist</i> | <i>Genetics</i> |
| <i>American Journal of Human Biology</i> | Graduate Women in Science Fellowships |
| <i>American Journal of Biological Anthropology</i> | <i>Historical Biology</i> |
| <i>American Journal of Primatology</i> | <i>Human Biology</i> |
| <i>American Naturalist</i> | <i>Integrative Organismal Biology</i> |
| <i>Anatomical Record</i> | <i>International Journal of Primatology</i> |
| Austrian Academy of Science | <i>Israel Journal of Ecology and Evolution</i> |
| <i>BMC Evolutionary Biology</i> | Johns Hopkins University Press |
| <i>Comptes Rendus Palevol</i> | <i>Journal of Anatomy</i> |
| <i>Current Anthropology</i> | <i>Journal of Evolutionary Biology</i> |
| European Union Marie Curie Fellowship | <i>J Experimental Zool (Part B. Mol Dev Evol)</i> |
| <i>Evolution</i> | <i>Journal of Human Evolution</i> |
| <i>Evolution & Development</i> | <i>Kirtlandia</i> (Cleveland Museum Nat. Hist.) |
| <i>Evolutionary Biology</i> | L.S.B. Leakey Foundation |
| La Fundación Española para la Ciencia y Tecnología (FECYT) | <i>Molecular Biology and Evolution</i> |
| <i>Fieldiana: Zoology</i> (Field Museum Nat. Hist.) | National Geographic Society Level II grants |
| | National Science Foundation USA |

Natural Sciences and Engineering Research
Council of Canada (NSERC)
Nature
Public Library of Science ONE
Proceedings of the Natl Acad Sci USA
Proceedings of the Royal Soc: Biol Sciences
Royal Society Dorothy Hodgkin Fellowship

Springer International Publishing
U.S. Department of Agriculture ARS, Scientific
Quality Review
Wallenberg Foundation, Sweden
Wiley and Wiley-Blackwell
Zoomorphology

TEACHING

Courses at the University of California Berkeley (2004-2020):

Integrative Biology 24: Humans Evolving (freshman seminar)
Integrative Biology 35AC: Human Biological Variation (4-unit, 675 students, non-majors course)
Integrative Biology 130/Sociology 118: Human Fertility (upper division, 40 students)
Integrative Biology 263: Genetics and Evolution of the Skeleton (graduate seminar)
Integrative Biology 265: Advanced Topics in Hominid Paleobiology (graduate seminar)
Integrative Biology 290: Primate Biology Group (graduate seminar)

Courses at the University of Illinois Urbana-Champaign (2000-2004):

Anthropology 102: Human Origins and Culture
Anthropology 141: Race: The Concept in Anthropology
Anthropology 242: History of Human Evolution (taught as 199H, fall 2003)
Anthropology 340: Human Evolution I: Human Paleontology
Anthropology 341: Human Evolution II: Topics in Anthropological Genetics
Anthropology 459: Graduate Seminar in Bioanthropology and Archaeology

SUPERVISION and MENTORSHIP:

Employees of the ERC Advanced Grant Tied2Teeth:

Project manager:

Inma Villamartín (November 2022 – present)

Postdoctoral researchers:

Marina Martínez de Pinillos González (November 2022 – present)

Mario Modesto Mata (November 2022 – present)

Ian Towle (November 2022 – June 2024)

PhD student:

Arthur Thiebaut (October 2023 – present)

Technicians:

Ana Álvarez (June 2024 – present)

Beatriz Delgado (June 2024 – present)

Ph.D. Committes, Current:

Chair: **Arthur Thiebaut** (Universidad de Burgos)

Committee: **Metasabia Fekadu** (Durham University)

Graduate Degree Committee Chair, Past:

Sarah Kigamwa Amugongo Brown

University of California Berkeley, Ph.D. 2010

Title: *In Utero* Sources of Skeletal Variation: The Role of Maternal Prenatal Stress

Current position: Assistant Professor, Dept. of Biology, University of Minnesota College of Veterinary Medicine

Marianne F. Brasil

University of California Berkeley, Ph.D. 2020

Title: Skeletal Morphology of Early *Homo sapiens* from Middle Awash, Ethiopia

Current position: Associate Professor, Western Washington University

Theresa M. Grieco

University of California Berkeley, Ph.D. 2013

Title: The Developmental Basis of Variation in Tooth and Jaw Patterning: Evolved Differences in the *Silurana (Xenopus) tropicalis* Dentition

Current position: Scientific Marketing Specialist, STEMCELL Technologies, Vancouver, BC

Peter Kloess

University of California Berkeley, Ph.D. 2023

Title: Evolution and adaptation to edentulous feeding in beaked tetrapods

Current position: Assistant Professor of Biology, Riverside City College

Taormina Lepore

University of California Berkeley, Ph.D. 2024

Title: Investigating indicators of placental mammal birth through dental neonatal lines, and perception of accessibility and disability in university evolutionary biology courses

Current position: Post-Graduate Fellow, Mallinson Institute for Science Education, Western Michigan University

Mary-Louise Maas

University of Illinois, M.A. 2004

Current position: Biology/Ecology, Science Teaching Staff, Blacksburg High School, VA

Tesla A. Monson

University of California Berkeley, PhD 2017

Title: On the Sequence of Postcanine Tooth Eruption in Mammals

Current position: Professor of Anthropology, Western Washington University

Whitney B. Reiner-Reed

University of California Berkeley, PhD 2017

Title: Cranial Morphology, Variation, and Integration in *Homo sapiens*

Current position: Data Scientist, Los Angeles

Catherine Taylor

University of California Berkeley, Ph.D. 2022

Title: Forelimb and Hindlimb Bone Growth and Development in Human Infants and Children

Current position: student, Veterinary School, Colorado State University

Oliver Torres Rizk

University of California Berkeley, Ph.D. 2012

Title: Insight into the Genetic Basis of Craniofacial Morphological Variation in the Domestic Dog, *Canis familiaris*

Current position: Biology Instructor, Glendale Community College

Postdoctoral Researchers Advised (*current postdoc in my research group):

Raquel Hernando Santamaria (Ph.D. University Rovira & Catalan Institute of Human Paleoecology and Social Evolution, IPHES), Tarragona, Spain

Jan 2024-Dec 2025, Juan de la Cierva Fellowship, Topic: microwear in cercopithecids.

Current position: Marie Skłodowska-Curie postdoctoral fellowship, Sapienza Università di Roma

Anne Holden (Ph.D. Cambridge University, U.K.)

2006 – 2007, Topic: Identifying modularity in the dentition of cercopithecoid monkeys

Current position: Science Communications, Zuckerman Mind Brain Behavior Institute, NY

Michaela Huffman (Ph.D. Ohio State University)

2014 – 2016, Topic: Human dental variation

Current position: working outside of academia in marketing research

Jackson K. Njau (Ph.D. Rutgers University)

2009 – 2011, Topic: Paleoanthropological fieldwork in Tanzania

Current position: Associate Professor, Geological Sciences, Indiana University

***Marina Martínez de Pinillos González** (Ph.D. University of Burgos)

2022-2027, Topic: Dental anthropology, ERC-funded postdoc on the Tied2Teeth project

***Mario Modesto Mata** (Ph.D. University of Burgos)

2022-2027, Topic: Quantitative genetic analyses of skeletal variation, ERC-funded postdoc on the Tied2Teeth project

Tesla A. Monson (Ph.D. UC Berkeley)

2017-2018, Topic: Primate craniodental variation

Current position: Associate Professor of Anthropology, Western Washington University

Jacqueline Moustakas (Ph.D. UC Berkeley)

2007 – 2010, Topic: Gene expression in the dental patterning of non-rodent animals

Current position: Research Administration, University of Helsinki

Christopher Schmitt (Ph.D. New York University)

2014 – 2015, Topic: Quantitative genetic analysis of non-human primate phenotypes

Current position: Assistant Professor, Dept. Anthropology, Boston University

Sabrina Sholts (Ph.D. UC Santa Barbara)

2010 – 2012, Topic: Human skeletal variation

Current position: Curator, National Museum of Natural History, Smithsonian Institution

Catherine Taylor (Ph.D. UC Berkeley)

2022-2023, Postdoctoral researcher, Human Evolution Research Center, University of California Berkeley

Current position: student, Veterinary School, Colorado State University

Ian Towle (Ph.D. Liverpool John Moores University)

2023 (February) - 2024 (June), ERC-funded postdoc on the Tied2Teeth project

Current position: Postdoctoral researcher, Monash University

***Axelle Walker** (Ph.D. CNRS & University of Poitiers, France)

October 2025 – October 2027, ERC-funded postdoc on the Tied2Teeth project

Junior Research Specialists supervised at UC Berkeley (full-time, paid research assistants):

Madeline McNelis (2020-2022)

Alexis Lainoff (2009-2011)

Liz Bates (2006-2009)

Graduate Students, Past Committee Service:

Robin Bernstein (University of Illinois, Ph.D. 2004)

Alyssa Bormann Rowley (University of CA Berkeley, Dept MCB, Ph.D. 2022)

Katie Brakora (University of CA Berkeley, Dept IB, Ph.D. 2012)

Debora Brandt (University of CA Berkeley, Dept IB, Qualifying exam, 2017)

Joshua P. Carlson (University of CA Berkeley, Dept IB, Ph.D. 2017)

Ro Crystal Chaw (University of CA Berkeley, Dept MCB, Ph.D. 2011)

Phillip Cleves (University of CA Berkeley, Dept MCB, prelim. exam 2010; PhD 2015)

Aidan Couzens (Flinders University, Adelaide, Australia; external PhD reviewer, 2017)

Vanessa Flores (University of CA Berkeley, Dept MCB, prelim. exam 2013)

Celina Gilmore (University of California, Dept IB, Advisory committee, 2020-2022)

Randy Irmis (University of CA Berkeley, Dept IB, prelim. exam 2006)

Mariah Hopkins (University of CA Berkeley, Dept ESPM, prelim. exam 2004)

Dorottya Kenessey (University of Nevada Reno, Dept Anthropology, Ph.D. 2024)

Martin Kowalewski (University of Illinois, M.A. 2003)
Aleksey Maro (University of California, Dept IB, Qualifying Exam committee)
Ben Mersey (University of CA Berkeley, Dept IB, prelim. exam 2010)
Tesla Monson (San Francisco State University, Dept ANTH, M.A. 2012)
Mulu Muia (University of Illinois, M.A. 2002)
Vagan Mushegyan (University of CA San Francisco, School of Dentistry, Ph.D. 2015)
Laurent Pallas (Universit  de Poitiers, France, PhD committee, 2020)
Ron Parchem (University of CA Berkeley, Dept MCB, Ph.D. 2008)
Leire Pellejero Lacueva (Facultad de Ciencias Geol gicas, Universidad Complutense de Madrid, M ster, 2023)
Michael Perry (University of CA Berkeley, Dept IB, Ph.D. 2011)
Joshua Pollack (University of CA Berkeley, Dept IB, M.S. 2009)
Armbien Sabillo (University of CA Berkeley, Dept MCB, Ph.D. 2018)
Beat Schwendimann (University of CA Berkeley, Graduate Group in Science and Mathematics Education, Ph.D. 2011)
Petra  imkov  (University of Vienna, Biology, Ph.D. 2024)
Mario Vargas-Vila (University of CA Berkeley, Dept MCB, Ph.D. 2009)
Ryan Yohler (University of California Berkeley, Dept IB, qualifying exam committee, 2020)
Zixiang Zhang (University of CA Berkeley, Dept IB, Qualifying exam)