Curriculum Vitae (long version)

LESLEA J. HLUSKO

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CURRENT POSITION

Research Professor (Investigadora)
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 Recipient**, European Union
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 **The Society of Women Geographers**, elected member
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, Advisory Committee for the Dental Morphology Database (DeMoDa)
2022 – 2026 President-elect, President (March 2023-March 2025), and Past-President, 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

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:

Thiebaut A, Guy F, **Hlusko LJ**, Surault J, Towle I, Redae BE, Boisserie J-R. New insights into the ontogeny of Paranthropus boisei offered by a juvenile upper masticatory apparatus from the Shungura formation (Ethiopia). *PaleorXiv* https://osf.io/preprints/paleorxiv/wj7yt_v1 pre-print, in review with *PCI Paleo*

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* in review

Krueger KL, [PD]Towle I, Matthews G, Álvarez-Fernández A, **Hlusko LJ**. Tracking molar wear in captive baboons: sex and age effects using a modified Scott scoring system. *American Journal of Biological Anthropology* in re-review

Hlusko LJ, Guy F, [PD]Modesto-Mata M, [PD]Martínez de Pinillos González M, Brasil MF, [PD]Towle I, [GS]Thiebaut A, Boisserie J-R. Taxonomic assignments for the 3.4 Ma to 1.1 Ma hominin postcanine teeth from the Usno Formation and the Shungura Formation, Lower Omo Valley, Ethiopia. Pre-print on PaleorXiv https://doi.org/10.31233/osf.io/g7kfx, under review with *PCI Paleo*

Peer-reviewed publications[1]

90. [GS]Lepore T, **Hlusko LJ**, Armstrong L, Frank R, Tseng ZJ, Schmitt CA, Rizk O, Baranger A. Disability and Accessibility Awareness in Evolutionary Biology College Courses Centered in Universal Design for Learning (UDL). *CBE-Life Sciences Education* accepted
89. [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
88. [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, Boisserie J-R, **Hlusko LJ**. 2025. Enamel pitting may offer novel phylogenetic insight for fossil hominins. *Journal of Human Evolution* in press
87. 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* https://doi.org/10.1093/iob/obaf001
86. 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
85. Brasil MF, 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* https://doi.org/10.3389/fevo.2024.1481903
84. [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
83. [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
82. [PD]Modesto-Mata M, de la Fuente Valentín L, **Hlusko LJ**, [PD]Martínez de Pinillos M, Towle I, García-Campos C, Martinón-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
81. [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
80. 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
79. [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/
78. Scott GR, Vlemincq-Mendieta T, Dern L, O'Rourke D, **Hlusko LJ**, Hoffecker 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
77. Hoffecker 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
76. [GS]Taylor CE, [GS,PD]Brasil MF, Monson TA, [GS]Yohler RM, **Hlusko LJ**. 2023. Two recently recovered Late Pleistocene *Cercopithecus* (Cercoithecidae: Primates) fossil assemblages from the Afar

[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.

Depression of Ethiopia. *American Journal of Biological Anthropology* 180(1):6-47. https://doi.org/10.1002/ajpa.24637

75. [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
74. [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
73. 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
72. 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
71. 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
70. **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
69. [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
68. 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
67. 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
66. Buck LT, Katz DC, Ackermann RR, **Hlusko LJ**, Kanthaswamy S, Weaver TD. 2021. Effects of admixture on pelvic morphology: a macaque model. *Journal of Human Evolution* 159:103049 https://doi.org/10.1016/j.jhevol.2021.103049
65. [UG]Zuercher ME, [GS,PD]Monson TA, [UG]Dvoretzky RR, [UG]Ravindramurthy S, **Hlusko LJ**. 2021. Dental variation in megabats (Chiroptera: Pteropodidae): tooth metrics correlate with body mass and tooth proportions reflect phylogeny. *Journal of Mammalian Evolution* 28(2):543-558. https://doi.org/10.1007/s10914-020-09508-7
64. [GS]Brasil MF, [GS,PD]Monson TA, [PD]Schmitt CA, **Hlusko LJ**. 2020. A genotype:phenotype approach to defining genera in hominid evolution. *Science of Nature (Naturwissenschaften)* 107, article number 40. https://doi.org/10.1007/s00114-020-01696-9
63. [GS,PD]Monson TA, Boisserie J-R, [GS]Brasil MF, [UG]Clay S, [UG]Dvoretzky R, [UG]Ravindramurthy SR, [PD]Schmitt CA, Souron A, [UG]Takenaka R, Ungar P, [UG]Yoo S-W, [UG]Zhou M, [UG]Zuercher ME, **Hlusko LJ**. 2019. Evidence of strong stabilizing effects on the evolution of boreoeutherian (Mammalia) dental proportions. *Ecology and Evolution* 9:7597–7612. https://doi.org/10.1002/ece3.5309
62. [GS,PD]Monson TA, [UG]Coleman JL, **Hlusko LJ**. 2019. Craniodental allometry, prenatal growth rates, and the evolutionary loss of the third molars in New World Monkeys. *The Anatomical Record* 302(8):1419-1433. doi: 10.1002/ar.23979. https://doi.org/10.1002/ar.23979

61. [GS,PD]Monson TA, **Hlusko LJ**. 2018. Breaking the rules: phylogeny, not life history, explains dental eruption sequence in primates. *American Journal of Physical Anthropology* 167(20:217-233. https://doi.org/10.1002/ajpa.23618
60. [GS,PD]Monson TA, Armitage D, **Hlusko LJ**. 2018. Using machine learning to classify extant apes and interpret the dental morphology of the chimpanzee-human last common ancestor. *PaleoBios* 35 https://doi.org/10.5070/P9351040776
59. Bibi F, Pante M, Souron A, Stewart K, Varela S, Werdelin L, Boisserie J-R, Fortelious M, **Hlusko LJ**, Njau JK, de la Torre I. 2018. Paleoecology of the Serengeti during the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania: The mammal and fish evidence. *Journal of Human Evolution* 120:48-75. https://doi.org/10.1016/j.jhevol.2017.10.009.
58. [GS,PD]Monson TA, [GS]Brasil MF, **Hlusko LJ**. 2018. Allometric variation and the relationship between body proportions and elite athletic success. *Journal of Anthropology of Sport and Physical Education* 2(3):3-8. https://doi.org/10.26773/jaspe.180701
57. **Hlusko LJ**. 2018. Recent insights into the evolution of quantitative traits in non-human primates. *Current Opinions in Genetics and Development* 53:15-20. https://doi.org/10.1016/j.gde.2018.05.014
56. **Hlusko LJ**, Carlson JP, Chaplin G, Elias SA, Hoffecker JF, PDHuffman M, Jablonski NG, [GS,PD]Monson TA, O'Rourke DH, Pilloud MA, Scott GR. 2018. Evidence of environmental selection on the mother-to-infant transmission of vitamin D and fatty acids during the last ice age in Beringia. *Proceedings of the National Academy of Sciences USA* 115(19): E4426-E4432. https://doi.org/10.1073/pnas.1711788115
55. [GS]Monson TA, **Hlusko LJ**. 2018. The evolution of dental eruption sequence in artiodactyls. *Journal of Mammalian Evolution* 25(1):15-26. https://doi.org/10.1007/s10914-016-9362-9
54. **Hlusko LJ**. 2018. Geospatial approaches to hominid paleontology in Africa: What is old, what is new, and what doesn't change. In: New Geospatial Approaches in Anthropology, eds R. Anemone and G. Conroy. School for Advanced Research Press, Santa Fe, NM. Pp 39-58. https://sarweb.org/new-geospatial-approaches/
53. [GS]Reiner WB, Masao F, Sholts S, Songita A, Stanistreet I, Stollhofen H, Taylor RE, **Hlusko LJ**. 2017. OH 83: A new early modern human fossil cranium from the Ndutu Beds of Olduvai Gorge, Tanzania. *American Journal of Physical Anthropology* 164(3):533-545. http://doi.org/10.1002/ajpa.23292
52. [GS]Monson TA, [GS]Brasil MF, Stratford D, **Hlusko LJ**. 2017. Patterns of craniofacial variation and taxonomic diversity in the South African Cercopithecidae fossil record. *Palaeontologia Electronica* 20.1.7A: 1-20. http://doi.org/10.26879/690
51. **Hlusko LJ**, Schmitt CA, [GS]Monson TA, [GS]Brasil MF, Mahaney MC. 2016. The integration of quantitative genetics, paleontology, and neontology reveals genetic underpinnings of primate dental evolution. *Proceedings of the National Academy of Sciences USA* 113(33):9262-7. doi: 10.1073/pnas.1605901113. https://doi.org/10.1073/pnas.1605901113
50. Ungar PS, **Hlusko LJ**. 2016. The evolutionary path of least resistance. *Science* 353(6294):29-30. https://doi.org/10.1126/science.aaf8398
49. [GS]Grieco TM, **Hlusko LJ**. 2016. Insight from frogs: *Sonic hedgehog* gene expression and a re-evaluation of the vertebrate odontogenic band. *The Anatomical Record* 299(8):1099-1109. https://doi.org/10.1002/ar.23378
48. **Hlusko LJ**. 2016. Elucidating the evolution of the hominid dentition in the age of phenomics, modularity, and quantitative genetics. *Annals of Anatomy* 203:3-11. https://doi.org/10.1016/j.aanat.2015.05.001
47. [GS]Monson TA, [GS]Brasil MF, **Hlusko LJ**. 2015. Materials collected by the southern branch of the UC Africa Expedition with a report on new Plio-Pleistocene fossil localities. *PaleoBios* 32:1-20, ucmp_paleobios_29407. https://doi.org/10.5070/P9321029407

46. **Hlusko LJ**, [GS]Reiner WR, Njau JK. 2015. A one-million-year-old hominid distal ulna from Olduvai Gorge, Tanzania. *American Journal of Physical Anthropology* 158(1):36-42. https://doi.org/10.1002/ajpa.22765
45. [UG]Lainoff AJ, Mousakas JE, Kallonen A, Hämälainen K, Smith KK, Hu D, Marcucio R, **Hlusko LJ**. 2015. A comparative examination of odontogenic markers in both toothed and toothless amniotes. *Molecular and Developmental Evolution (J. Exp. Zoolog.)* 324(3):255-69. https://doi.org/10.1002/jez.b.22594
44. [UG]Morrish KR, **Hlusko LJ**. 2014. Modularity and sexual dimorphism in human metacarpals. *PaleoBios* 31(2):1-20. https://doi.org/10.5070/P9312024956
43. [GS]Monson T, **Hlusko LJ**. 2014. Identification of a derived dental trait in the Papionini relative to other Old World Monkeys. *American Journal of Physical Anthropology* 155:422-429. https://doi.org/10.1002/ajpa.22586
42. [GS]Amugongo SK, **Hlusko LJ**. 2014. Impact of maternal prenatal stress on growth of the offspring. *Aging and Disease* 5(1): 1-16. https://doi.org/10.14336/AD.2014.05001
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Hlusko LJ. 2002. Book Review: Extinct Humans, by I. Tattersall and J.H. Schwartz. *Quarterly Review 2025 of Biology* 77(4): 446-447.

Dissertation

Hlusko LJ. 2000. Identifying the genetic mechanisms of dental variation in cercopithecoid primates. PhD dissertation, The Pennsylvania State University, UMI 9982340.

OPEN-ACCESS AND INTERNET-BASED RESOURCES DEVELOPED:

https://www.lesleahlusko.org	Research group website and blog (first published 2005)
https://www.olduvai-paleo.org	Comprehensive Olduvai Database Initiative (first published 2012)
https://demoda.cenieh.es	Dental Morphology Database (first published 2025)

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) https://youtube.com/playlist?list=PLyyfCato9XJ21JGBwPn_fpT0mwittnegI

Student Science Communication Project: Hlusko, L., Lepore T., Kloess, P. (2024). Creative Discovery Project: Developing Accurate & Accessible Science Communication. Teach the Earth https://serc.carleton.edu/teachearth/activities/287551.html

Published datasets:

Grieco, Theresa M.; Rizk, Oliver T.; Hlusko, Leslea J. (2012). Data from: A modular framework characterizes micro- and macroevolution of Old World monkey dentitions [Dataset]. Dryad. https://doi.org/10.5061/dryad.693j8

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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:

2025 Asociación de Antropología Biológica Argentina**,** 1 Ciclo de Conferencias, April 8
Talk title: Human Adaptation to the Arctic: A Mystery Unlocked by Teeth

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 Hoffeacker, 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, Unversitat 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 à 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:

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=neux1v2GQoqLDj1BJ_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 nterview 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 Boisserie

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
2002-2018Hominoid 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:

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

TEACHING GRANTS:

2016 **University of California Berkeley** ($2,980)
Instructional Improvement Grant for course website (PI: L. Hlusko)
2015 **University of California Berkeley, American Cultures Engaged Scholarship Program** ($3,000) Funds awarded to develop a community outreach project for IB35ac Human Bio Variation (PI: L. Hlusko)
2012 **University of California Berkeley** ($2,740)
Instructional Improvement Grant for course materials (PIs: L. Hlusko and T. White)
2012 **University of California Berkeley** ($3,000)
Instructional Improvement Grant for IntegBio35AC (PI: L. Hlusko)
2008 **University of California Berkeley** ($3,000)
Classroom Equipment Grant (PIs: L. Hlusko and T. White)
2006 **University of California Berkeley** ($3,500)
Classroom Technology Grant (PIs: T. White and L. Hlusko)

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:

Chair:
Arthur Thiebaut (Universidad de Burgos, Ph.D candidate, started 2023)
Committee:
Metasabia Fekadu (Durham University)

Graduate Degree Committee Chair, Past:

Sarah Kigamwa Amugongo
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
Marianne F. Brasil
University of California Berkeley, Ph.D. 2020

Title: Skeletal Morphology of Early *Homo sapiens* from Middle Awash, Ethiopia
Current position: Assistant 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: Postdoctoral researcher, 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: Associate Professor of Anthropology, Western Washington University

Whitney B. Reiner
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

<u>Postdoctoral Researchers Advised (*current postdoc in my group):</u>

***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 later Pleistocene cercopithecids.

Anne Holden (Ph.D. Cambridge University, U.K.)
2006 – 2007, Topic: Identifying modularity in the dentition of cercopithecid 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

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 (Universitie de Poitiers, France, PhD committee, 2020)
Ron Parchem (University of CA Berkeley, Dept MCB, Ph.D. 2008)
Leire Pellejero Lacueva (Facultad de Ciencias Geológicas, Universidad Complutense de Madrid, Máster, 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 Šimková (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)