

*Curriculum Vitae*

# LESLEA J. HLUSKO

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Evolución Humana (CENIEH)  
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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

2023 – 2025 President, American Association of Biological Anthropologists  
 2022 – 2023 President-Elect, 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

### ***Completed manuscripts circulating among co-authors:***

- Hlusko LJ**, Guy F, Martínez de Pinillos González M, Modesto-Mata M, Towle I, Brasil MF, Boisserie J-R. Taxonomic assignments for the 3.3 Ma to 1.1 Ma hominid postcanine teeth from the Shungura and Usno Formations, Omo, Ethiopia.
- Buck LT, Katz DC, Ackermann RR, **Hlusko LJ**, Kanthaswamy S, Weaver TD. A macaque model for the effects of hybridization on body size.

### ***Under review:***

- Marin JE, Uno K, Merceron G, Brown M, Dodat PJ, Souron A, **Hlusko LJ**, Guy F, Balter V, Boisserie J-R. The diverse diet of *Paranthropus*. submitted
- Lepore T, Lu J, Starowicz R, and **Hlusko LJ**. Accessibility and disability perception in college evolutionary biology courses: A qualitative study using reflexive thematic analysis. *Disability & Society* in review
- Martin JE, Uno K, Merceron G, Brown M, Dodat PJ, Souron A, **Hlusko LJ**, Guy F, Balter V, Boisserie JR. *The diverse diet of Paranthropus*.
- Towle I, Krueger KL, Modesto-Mata M, Hernando R, Martínez de Pinillos M, Thiebaut A, Hara AT, Hlusko LJ. Assessing primate dental tissue loss progression using equipment and software designed for clinical dentistry.

## Peer-reviewed publications<sup>1</sup>

83. Towle I, Lock C, Oxenham M, Hara A, Krueger KL, Salem AS, Martínez de Pinillos M, Modesto-Mata M, **Hlusko LJ**. *Accepted*. Micro-CT calibration using dental tissue for bone mineral research. *American Journal of Biological Anthropology*
82. Modesto-Mata M, de la Fuente Valentín L, **Hlusko LJ**, Martínez de Pinillos M, Towle I, García-Campos C, Martínón-Torres M, Bermúdez de Castro J. *Accepted*. Artificial neural networks reconstruct missing perikymata in worn teeth. *Anatomical Record*
81. Towle I, Loch C, Martínez de Pinillos M, 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. 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**, 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* in press, early view <https://doi.org/10.1002/ajpa.24878>
77. 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>
76. <sup>GS</sup>Taylor CE, <sup>GS,PD</sup>Brasil MF, Monson TA, <sup>GS</sup>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>
75. <sup>GS,PD</sup>Brasil MF, <sup>GS</sup>Taylor CE, <sup>GS</sup>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. <sup>GS,PD</sup>Brasil MF, Monson RA, <sup>GS</sup>Taylor CE, <sup>GS</sup>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, <sup>PD</sup>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, 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**, 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>

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<sup>1</sup> For research that was done during Hlusko's time as a professor at the University of California Berkeley and the University of Illinois Urbana-Champaign, 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, and "UG" for undergraduate student.

69. <sup>UG</sup>Takenaka R, <sup>UG</sup>Clay SM, <sup>UG</sup>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. <sup>UG</sup>Zuercher ME, <sup>GS,PD</sup>Monson TA, <sup>UG</sup>Dvoretzky RR, <sup>UG</sup>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. <sup>GS</sup>Brasil MF, <sup>GS,PD</sup>Monson TA, <sup>PD</sup>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. <sup>GS,PD</sup>Monson TA, Boisserie J-R, <sup>GS</sup>Brasil MF, <sup>UG</sup>Clay S, <sup>UG</sup>Dvoretzky R, <sup>UG</sup>Ravindramurthy SR, <sup>PD</sup>Schmitt CA, Souron A, <sup>UG</sup>Takenaka R, Ungar P, <sup>UG</sup>Yoo S-W, <sup>UG</sup>Zhou M, <sup>UG</sup>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. <sup>GS,PD</sup>Monson TA, <sup>UG</sup>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. <sup>GS,PD</sup>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. <sup>GS,PD</sup>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. <sup>GS,PD</sup>Monson TA, <sup>GS</sup>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, <sup>PD</sup>Huffman M, Jablonski NG, <sup>GS,PD</sup>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. <sup>GS</sup>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.
53. <sup>GS</sup>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. <sup>GS</sup>Monson TA, <sup>GS</sup>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, <sup>GS</sup>Monson TA, <sup>GS</sup>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. <sup>GS</sup>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. <sup>GS</sup>Monson TA, <sup>GS</sup>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**, <sup>GS</sup>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. <sup>UG</sup>Lainoff AJ, Mousakas JE, Kallonen A, Hämäläinen 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. Zool.)* 324(3):255-69. <https://doi.org/10.1002/jez.b.22594>
44. <sup>UG</sup>Morrish KR, **Hlusko LJ**. 2014. Modularity and sexual dimorphism in human metacarpals. *PaleoBios* 31(2):1-20. <https://doi.org/10.5070/P9312024956>
43. <sup>GS</sup>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. <sup>GS</sup>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>
41. **Hlusko LJ**, <sup>GS</sup>Carlson J, Guatelli-Steinberg D, Krueger KL, <sup>GS</sup>Mersey B, Ungar PS, Defleur A. 2013. Neanderthal teeth from Moula-Guercy, Ardèche, France. *American Journal of Physical Anthropology* 151:477-491. <https://doi.org/10.1002/ajpa.22291>
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### **Edited volumes**

- Hlusko LJ** (editor & Program Committee Chair). 2022. Program of the 91<sup>st</sup> Annual Meeting of the American Association of Biological Anthropologists. *American Journal of Biological Anthropology*, vol 177, Issue S73, p.1-209.
- Hlusko LJ** (editor & Program Committee Chair). 2021. Program of the 90<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, vol 174, Issue S71, p.1-123.
- Hlusko LJ** (guest editor). 2007. Compilation of articles describing the 6-million-year-old paleontological site and fauna of Lemudong'o, Kenya. *Kirtlandia* vol 56.

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- 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>
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- Hlusko LJ**. 2023. Foreword. *A Companion to Biological Anthropology, Second Edition*. Clark Larsen (Ed). Wiley Blackwell.
- 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)
- Hlusko LJ**. 2022. Lo que supone Atapuerca para mí. *Periódico de Atapuerca*, N#123 Marzo/Abril, p. 24. <http://kiosko.atapuerca.org/>
- 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/>

- Hlusko LJ.** 2020. The moments when I am not a woman, Chapter 15. The Bearded Lady Project: Challenging the Face of Science. LJ Marsh and E Currano (Eds). Columbia University Press, New York, p. 87-88.
- Hlusko LJ,** Ungar PS. 2019. Alan Cyril Walker. 23 August 1938 - 20 November 2019. *Biographical Memoirs of Fellows of the Royal Society*  
<https://royalsocietypublishing.org/doi/10.1098/rsbm.2019.0017>
- Hlusko LJ.** 2018. Mother's milk holds the key to unlocking an evolutionary mystery from the last ice age. *The Conversation* 26 April <https://theconversation.com/mothers-milk-holds-the-key-to-unlocking-an-evolutionary-mystery-from-the-last-ice-age-95572>
- Hlusko LJ.** 2008. Book Review. The Ape in the Tree: An Intellectual and Natural History of Proconsul by A. Walker and P. Shipman. *Current Anthropology* 49(2):337-338.
- Hlusko LJ.** 2006. Book Review: The Human Fossil Record, Volume Four: Craniodental Morphology of Early Hominids (General Australopithecus, Paranthropus, Orrorin), and Overview by J.H. Schwartz and I. Tattersall. *American Journal of Physical Anthropology* 131:148-149.  
 Howell FC, et al. 2004. *South African Journal of Science* 100:446. (correspondence)
- Hlusko LJ.** 2003. Book Review: Colbert's Evolution of the Vertebrates by E.H. Colbert, M. Morales, and E.C. Minkoff. *American Journal of Physical Anthropology* 123:97.
- Hlusko LJ.** 2002. Book Review: Extinct Humans, by I. Tattersall and J.H. Schwartz. *Quarterly Review 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.

#### **WEBSITE, ON-LINE DATABASES, and OTHER ONLINE RESOURCES DEVELOPED**

[www.olduvai-paleo.org](http://www.olduvai-paleo.org) Comprehensive Olduvai Database Initiative

[www.lesleahlusko.org](http://www.lesleahlusko.org) Lab website and blog

[YouTube playlist](#) Professor Hlusko's course on Human Biological Variation (56 videos, 2,193 views as of 18 January 2023)

([https://youtube.com/playlist?list=PLyyfCato9XJ21JGBwPn\\_fpT0mwittnegl](https://youtube.com/playlist?list=PLyyfCato9XJ21JGBwPn_fpT0mwittnegl))

#### **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:

**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**

**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 17<sup>th</sup>  
 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 23<sup>rd</sup>  
*The recently discovered ties between teeth and infants in human evolution*
- University of Bristol, Palaeobiology Discussion Group, April 22<sup>nd</sup>  
*A quantitative genetics perspective on morphology: A new approach to primate paleontology*
- American Association of Biological Anthropologists, March 28<sup>th</sup>  
 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 9<sup>th</sup>  
*Evolution in the Arctic: How an episode of adaptation presents new hypotheses about human health*
- 2021** Evangelical Theological Society annual meeting, November 17<sup>th</sup>  
*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 17<sup>th</sup>  
*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 24<sup>th</sup> cancelled due to pandemic  
Oklahoma State University School of Medicine, Feb 7<sup>th</sup>
- 2019** University of California Davis, Department of Anthropology, departmental colloquium speaker, Dec 12<sup>th</sup>  
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 23<sup>rd</sup>  
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 30<sup>th</sup> 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

**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\\_9QAaw](https://open.spotify.com/episode/0LntYHPNd2BT5LRa2Skud1?si=neux1v2GQogLDj1BJ_9QAaw)

**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-](http://www.racepowerofanillusion.org/clips/the-evolution-of-human-biology-genomics-interview-with-leslea-hlusko)

[interview-with-leslea-hlusko](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/BD6GR3tMTxl>

**Atheist Community of San Jose** (March, 2015) [https://youtu.be/u\\_UgM17se9A](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 RESEARCH

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-present Study of primate fossils from South Africa, **Museum of Paleontology**, University of California, Berkeley  
2002-present 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**

## REVIEWER FOR:

*Acta Odontologica Scandinavica*  
*American Anthropologist*  
*American Journal of Human Biology*  
*American Journal of Physical 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*  
*Fieldiana: Zoology* (Field Museum Nat. Hist.)  
*Genetics*  
Graduate Women in Science Fellowships  
*Historical Biology*  
*Human 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)

## **ADVISING: GRADUATE STUDENTS AND POSTDOCTORAL RESEARCHERS**

### **Ph.D. Committee Chair, Current:**

**Taormina Lepore** (University of California Berkeley, Ph.D. candidate, started 2019)  
**Arthur Thiebaut** (Universidad de Burgos, Ph.D candidate, started 2023)

### **Ph.D. Committee Member, Current:**

**Dorottya Kenessey** (University of Nevada Reno, Dept Anthropology, PhD committee)

### **Primary Graduate Advisor, 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: Postdoctoral Researcher, Berkeley Geochronology Center, Berkeley, CA

#### **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: Instructor of Biology, Whittier College

#### **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: Assistant 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, Postie, 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: Postdoctoral Researcher, Human Evolution Research Center, Dept. of Integrative Biology, UC Berkeley

**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:**

**Michaela Huffman** (Ph.D. Ohio State University)

2014 – 2016, Topic: Human dental variation

Current position: working outside of academia in marketing research

**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

**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

Current position: ERC-funded postdoc on the Tied2Teeth project

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

2022-2027, Topic: Quantitative genetic analyses of skeletal variation

Current position: ERC-funded postdoc on the Tied2Teeth project

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

2017-2018, Topic: Primate craniodental variation

Current position: Postdoctoral researcher, University of Zurich, Switzerland

**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, Topic: Paleoanthropology

Current position: Postdoctoral research, Human Evolution Research Center, University of California Berkeley

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

2023-2027, Topic: Fossil primates

Current position: ERC-funded postdoc on the Tied2Teeth project (2023-2027)

**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)  
Martin Kowalewski (University of Illinois, M.A. 2003)  
Aleksy 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 e de Poitiers, France, PhD committee, 2020)  
Ron Parchem (University of CA Berkeley, Dept MCB, Ph.D. 2008)  
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)  
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)