

## ***Curriculum Vitae***

**Keith Hunley**

**Department of Anthropology**

**July 2022**

### **Educational History**

- BS, 1980, Purdue University, Biology
- MA, 1996, University of Michigan, Anthropology
- PhD, 2002, University of Michigan, Anthropology
- Postdoc, 2002-2004, University of Michigan, Human Genetics

### **Employment History**

- Professor, 2021 – present, Anthropology, University of New Mexico
- Chair, 2021 – present, Anthropology, University of New Mexico
- Interim Chair, 2019-2021, Anthropology, University of New Mexico
- Associate Professor, 2011-2021, Anthropology, University of New Mexico
- Assistant Professor, 2005-2011, Anthropology, University of New Mexico
- Visiting Assistant Professor, 2004-2005, Anthropology, University of New Mexico

### **Professional Recognition and Honors**

- December 2021 Editor's Choice for Hunley et al. 2021. *American Journal of Biological Anthropology*. 176(4)
- Letter of recognition for contribution to course and program assessment, 2017, Associate Dean of Curriculum and Instruction, College of Arts and Sciences, University of New Mexico
- 2016 Gabriel W. Lasker Award for Hunley and Cabana. 2016. *Human Biology*. 88(3)
- Invited Commentary, 2015, *Proceedings of the National Academy of Sciences*
- Keynote speaker, 2015, American Association of Physical Anthropologists, Symposium: Thinking anthropologically about genetics
- Invited Public Lecture, 2015, Morrison Institute, Stanford University
- Nominee, 2011, Outstanding Online Teacher of the Year, University of New Mexico
- Nominee, 2007, Outstanding Teacher of the Year Award, University of New Mexico
- Roy A. Rappaport Teaching Award, 2002, Department of Anthropology, University of Michigan
- Genome Sciences Training Fellowship, 1999 – 2001, National Institutes of Health

### **Short Narrative Description of Research**

My research in genetic anthropology spans two million years of our evolutionary history, from the origin of the genus *Homo* in the Pleistocene to the formation of ethnic groups in New Mexico over the past 400 years. The common thread in my research projects is an interest in the persistence of genetic and linguistic structure within our species despite the fluid nature of population boundaries and the ephemeral nature of individual groups. My publications have provided insights into the initial dispersal of humans from Africa, the non-existence of biological races, the co-evolution of genes and languages, the impact of colonial migration on ethnogenesis, and the psychosocial and cultural determinants of interest and uptake of skin cancer genetic testing.

### **Short Narrative Description of Teaching**

My core undergraduate teaching responsibility is the [UNM General Education](#) course Anth 1135 *Introduction to Biological Anthropology*. It is one of the few science courses taken by non-STEM majors at UNM and their only formal exposure to evolutionary theory and human evolution. In my upper-level undergraduate and graduate courses, I help students understand and critique primary literature in population and human genetics, and I provide students with skills in data analysis, laboratory methods, research design, and professional writing.

### **Short Narrative Description of Service**

I have served as department chair, associate chair, director of the undergraduate committee, member on various departmental, college and professional committees, external evaluator for promotion cases, and associate editor of *Human Biology*.

## Scholarly Achievements

Citation indices: <https://scholar.google.com/citations?user=OjIQkBQAAAAJ&hl=en>

Website: <http://keithhunley.wixsite.com/keith-hunley>

### Articles Published in Refereed Journals

\* senior and/or corresponding author

1. Moes E, Willermet C, **Hunley** K, Ragsdale C, Edgar H. Childhood stress and developmental instability: comparing microscopic enamel defects and cranial fluctuating asymmetry in a colonial Mexican sample. *American Journal of Biological Anthropology*. In Press
2. Riley K, Sussman A, Schofield E, Guest D, Dailey Y, Schwartz M, Buller D, **Hunley** K, Kaphingst K, Berwick M, Hay J. [Effect of superstitious beliefs and risk intuitions on genetic test decisions](#). *Medical Decision Making*. 42(3). 2022
3. **Hunley** K\*, Moes, Edgar H, Mosley C, Healy M, Dixon A. [Colonialism, ethnogenesis, and biogeographic ancestry in the US Southwest](#). *American Journal of Biological Anthropology*. 176:559–571. 2021
4. Khan E, Kaphingst K., Meyer White K, Sussman A, Guest D, Schofield E, Dailey Y, Robers E, Schwartz M, Li Y, Buller D, **Hunley** K, Berwick M, Hay J. [Comprehension of skin cancer genetic risk feedback in primary care patients](#). *J Community Genet*. 1-7. 2021
5. Hay JL, Zielaskowski K, White K, Kaphingst K, Robers E, Guest D, Sussman A, Talamantes Y, Schwartz M, Rodríguez VM, Li Y, Schofield E, Bigney J, **Hunley** K, Buller D, Berwick M. [Behavioral and psychological outcomes associated with skin cancer genetic testing in Albuquerque primary care](#). *Cancers*. Special Issue Melanoma: Prevention and Molecular Epidemiology. 13(16), 4053. 2021
6. Banerjee S, Hay JL, Berwick M, Zielaskowski K, White K, Rodríguez VM, Robers E, Guest DD, Sussman A, Talamantes Y, Schwartz M, Greb J, Bigney J, Kaphingst K, **Hunley** K, Buller D. [Let's Talk about Skin Cancer: Examining Association between Family Communication about Skin Cancer, Perceived Risk, and Sun Protection Behaviors](#). *J of Community Health*. 26(8):576-585. 2021
7. Rusk, K. M., Keith L. **Hunley**, Carmen Mosley, Meghan Healy, Gaelyn R. D. Archer, and Heather J. H. Edgar. Childhood Dietary Quality Predicts Adult Facial Fluctuating Asymmetry in Contemporary New Mexicans. *HOMO*, 72(2):159-172. 2021.
8. Kaphingst K, Khan E, White KM, Sussman A, Guest D, Schofield E, Dailey YT, Robers E, Schwartz MR, Li Y, Buller D, **Hunley** K, Berwick M, Hay JL. [Effects of health literacy,](#)

- [educational attainment, and level of melanoma risk on responses to personalized genomic testing](#). Patient Education and Counseling. 104:12-19. 2021
9. **Hunley K\***, Cabana G. Update to “[Beyond serial founder effects: the impact of admixture and localized gene flow on patterns of regional genetic diversity](#).” Reissued with new forward in special issue Contributions to Anti-Racist Science. Human Biology. 92: 219-231 2020
  10. Daneshvari Berry S, Edgar H, Mosley C, **Hunley K**. [Refined, regionally-specific data standards reveal heterogeneity in Hispanic death records](#). AMIA Annu Symp Proc. 2021; 2021: 161–169
  11. **Hunley K\***, Edgar H, Healy M, Mosley C. [Colonialism and the co-evolution of ethnic and genetic structure in New Mexico](#). American Journal of Physical Anthropology, 171: 509-519. 2020
  12. Hay JL, Meyer White K, Sussman A, Kaphingst K, Guest D, Schofiel E, Dailey Y, Robers E, Schwartz M, Zielaskowski K, Li Y, Buller D, **Hunley K**, Berwick M. [Psychosocial and cultural determinants of interest and uptake of skin cancer genetic testing in diverse primary care](#). Public Health Genomics. 22:58-68. 2019
  13. White K, Dailey Y, Guest D, Zielaskowski K, Robers E, Sussman A, **Hunley K**, Hughes C, Schwartz M, Kaphingst K, Buller D, Hay J, Berwick M. [MC1R Variation in a New Mexico](#). Cancer Epidemiol Biomarkers Prev. 28:1853-1856. 2019
  14. Healy H, Edgar H, Mosley C, **Hunley K\***. [Associations between ethnic identity, regional history, and genomic ancestry in New Mexicans of Spanish-speaking descent](#). Biodemography and Social Biology. 64(2): 152-170. 2018
  15. Hay JL, Zielaskowski K, White K, Kaphingst K, Robers E, Guest D, Sussman A, Talamantes Y, Schwartz M, Rodríguez VM, Li Y, Schofield E, Bigney J, **Hunley K**, Buller D, Berwick M. [Interest and Uptake of MC1R Testing for Melanoma Risk in a Diverse Primary Care Population: A Randomized Clinical Trial](#). JAMA Dermatology. 2018
  16. **Hunley K\***, Edgar H, Healy M, Mosley C, Cabana G, West F. [Social identity in New Mexicans of Spanish-speaking descent highlights limitations of using standardized ethnic terminology in research](#). Human Biology. 89(3):217-228. 2017
  17. Healy M, Hill D, Berwick M, Edgar H, Gross J, **Hunley K\***. [Social-Group identity and population substructure in admixed populations in New Mexico and Latin America](#). PLoS One 12 (10): e0185503. 2017
  18. Hay JL, Berwick M, Zielaskowski K, White K, Rodríguez VM, Robers E, Guest DD, Sussman A, Talamantes Y, Schwartz M, Greb J, Bigney J, Kaphingst K, **Hunley K**, Buller D. [Implementing](#)

- [an Internet-delivered skin cancer genetic testing intervention to improve sun protection behavior in a diverse population](#). JMIR research protocols 6 (4): e52. 2017
19. Rodriguez VM, Robers E, Zielakowski K, **Hunley** K, Kaphingst K, Guest D, Sussman A, White KM, Schwartz MR, Talamantes Y, Grebb J, Bigney J, Berwick M, & Hay JL. [Translation and adaptation of skin cancer genomic risk education materials for implementation in primary care](#). J Community Genet. 8(1): 53–63. 2017
  20. **Hunley** K\*, Cabana G. [Beyond serial founder effects: the impact of admixture and localized gene flow on patterns of regional genetic diversity](#). Human Biology. 88(3): 2016
  21. **Hunley** K\*, Gwin K. & Liberman B. [A Reassessment of the Impact of European Contact on the Structure of Native American Genetic Diversity](#). PLoS One 11(8), e0161018. 2016
  22. **Hunley** K\*, Cabana GS, Long J. [The apportionment of human diversity revisited](#). American Journal of Physical Anthropology. 160, 561–569. 2016
  23. **Hunley** K\*, [Reassessment of global gene–language coevolution](#). Proceedings of the National Academy of Sciences. 112(7): 1919–1920. 2015
  24. Young BN, Rendón A, Rosas-Taraco A, Baker J, Healy M, Gross J, Long J, Burgos M, **Hunley** K\*. [The Effects of Socioeconomic Status, Clinical Factors, and Genetic Ancestry on Pulmonary Tuberculosis Disease in Northeastern Mexico](#). PLoS ONE 9(4): e94303. 2014
  25. Young BN, Burgos M, Handal AJ, Baker J, Rendón A, Rosas-Taraco A, Long J, **Hunley** K\*. [Social and clinical predictors of drug-resistant tuberculosis in a public hospital, Monterrey, Mexico](#). Annals of Epidemiology. 24(10):771–775. 2014
  26. **Hunley** K\*, Bower C, Healy M. [Rejection of a serial founder effects model of genetic and linguistic coevolution](#). Proceedings of the Royal Society B, Biological Sciences. 279(1736): 2281-2288. 2012
  27. Bower C, Epps P, Gray R, Hill J, **Hunley** K, McConvell P, Zentz J. [Does Lateral Transmission Obscure Inheritance in Hunter-Gatherer Languages?](#) PLoS One 6(9): e25195. 2011
  28. **Hunley** K\*, Healy M. [The impact of founder effects, gene flow, and European admixture on Native American genetic diversity](#). American Journal of Physical Anthropology. 2011. 146(4): 530-538. 2011
  29. Friedlaender J, **Hunley** K, Dunn M, Terrill A, Lindström E, Reesink G, Friedlaender F. Letter: [Linguistics more robust than genetics](#). Science. 324(5926):464-465. 2009
  30. **Hunley** K\*, Healy M, Long J. [The global pattern of gene identity variation reveals a history of long-range migrations, bottlenecks, and local mate exchange: Implications for biological race](#). American Journal of Physical Anthropology. 139(1): 35-46. 2009

31. Edgar H, **Hunley K\***. [Reconciling race?: How biological anthropologists view human variation](#). American Journal of Physical Anthropology. 139(1): 1-4. 2009
32. **Hunley K\***, Dunn M, Lindström E, Reesink G, Terrill A, Healy M, Koki G, Friedlaender F, Friedlaender J. [Genetic and linguistic coevolution in Northern Island Melanesia](#). PLoS Genetics 4(10):e1000239. 2008
33. **Hunley K\***, Spence JE, Merriwether DA. [The impact of lineal fissions on genetic structure in Native South America and implications for human evolution](#). American Journal of Physical Anthropology. 135:195-205. 2008
34. Cabana G, **Hunley K**, Kaestle F. [Population continuity or replacement?: A novel computer simulation approach and its application to the Numic expansion](#) (Western Great Basin, USA). American Journal of Physical Anthropology. 135(4): 438-447. 2008
35. Clark J, Dobson S, Anton S, Hawks J, **Hunley K**, Wolpoff M. [Identifying artificially deformed crania](#). International Journal of Osteoarchaeology. 17:596-607. 2007
36. **Hunley K\***, Cabana G, Merriwether DA, Long J. [A formal test of linguistic and genetic coevolution in Native Central and South America](#). American Journal of Physical Anthropology. 132 (4): 622-631. 2007
37. Cabana G, Merriwether DA, **Hunley K**, Demarchi DA. [Is the genetic structure of Gran Chaco populations unique?](#) Interregional perspectives on Native South American mitochondrial DNA variation. American Journal of Physical Anthropology 131(1): 108-119. 2006
38. **Hunley K\***, Long J. [Gene flow across linguistic boundaries in Native North Americans](#). Proceedings of the National Academy of Sciences. 102(5): 1312-7. 2005
39. Mulligan C, **Hunley K**, Cole S, Long J. [Population genetics, history, and health patterns in Native Americans](#). Annual Review of Genomics and Human Genetics. 5:295-315. 2004.
40. Wolpoff M, Hawks J, Frayer D, **Hunley K**. Modern human ancestry at the peripheries: A test of the Replacement Theory. Science. 291:293-297. 2001
41. Hawks J, **Hunley K**, Lee S, Wolpoff M. 2000. [Population bottlenecks and Pleistocene human evolution](#). Molecular Biology and Evolution. 17(1):2-22. 2000
42. Hawks J, Oh S, **Hunley K**, Dobson S, Cabana G, Dayalu P, Wolpoff M. [An Australasian test of the recent African origin theory using the WLH-50 calvarium](#). Journal of Human Evolution. 39: 1-22. 2000
43. Mitani J, **Hunley K**, Murdoch E. [Geographic variation in the calls of wild chimpanzees: A re-assessment](#). American Journal of Primatology. 47(2): 133-152. 1999

#### Peer-reviewed Articles Appearing as Chapters in Edited Volumes

1. **Hunley K\***. Models of migration in human prehistory and their anthropological significance. In Current developments in the anthropological study of past human migration. G Cabana, J Clark (editors). Gainesville: University Press of Florida. 2011
2. **Hunley K\***, Dunn M, Lindström E, Reesink G, Terrill A, Norton H, Scheinfeldt L, Friedlaender F, Merriwether DA, Koki G, and Friedlaender J. Inferring prehistory from genetic, linguistic, and geographic variation. In Genetics, Linguistics, and Culture History in the Southwest Pacific. J Friedlaender (editor). Cambridge: Cambridge University Press. 2007

## **Other Scholarly Works**

### **In preparation**

1. Hunley K. On the Non-existence of Human Races, 1962-2021. Status: **in prep**
2. Edgar H, Appel N, Hunley K. Differences between investigator and next-of-kin assignment of race and ethnicity. Status: **in prep**

### **Dissertation**

The Anthropological Utility of Genetic Data in Small-Scale Populations: Migration Rates and Patterns among the Yanomamö. Department of Anthropology. University of Michigan. 2002

### **Journal Special Issues**

**Hunley K**, H Edgar (equal contributors). Special Issue: Race Reconciled: How Biological Anthropologists View Human Variation. American Journal of Physical Anthropology. 139. 2009

### **Book Reviews**

1. **Hunley K**. Who We Are and How We Got Here: Ancient DNA and the New Science of the Human Past. By David Reich. New York: Pantheon. 2018. ISBN: 9781101870327. \$28.95 (hardcover). American Journal of Physical Anthropology. 2019
2. **Hunley K**, Gross J. A Computational Approach to Statistical Arguments in Ecology and Evolution. George Estabrook. New York: Cambridge University Press. Journal of Anthropological Research. 2013
3. **Hunley K**. The 10,000 Year Explosion: How Civilization Accelerated Human Evolution by Gregory Cochran and Henry Harpending. New York: Basic Books. Journal of Anthropological Research. 2010

### **Museum/Internet Exhibits**

1. Heritage New Mexico installation. Maxwell Museum of Anthropology. Co-curator with Heather Edgar. 2014-2015
2. Heritage New Mexico. Interactive Internet exhibit, heritagem.unm.edu. Co-curator with Heather Edgar. 2014

### **Invited or Refereed Abstracts and/or Presentations at Professional Meetings**

1. Appel N, Edgar H, **Hunley K**, Daneshvari B. Misidentification of Hispanic individuals during death investigations: the impact of identification errors on research questions in anthropology and public health. *American Journal of Physical Anthropology*. 2022
2. **Hunley K**. The apportionment of diversity revisited. American Association for the Advancement of Science. Washington, DC. 2019
3. Mosley C, Healy M, Rusk K, **Hunley K**, Edgar H. Allostatic load predicts chronic disease in New Mexicans of Spanish-speaking descent. *American Journal of Physical Anthropology*. 168, 170-170. 2019
4. Riley KE, Hay JL, White K, Sussman A, Guest D, Schofield E, Li Y, Kaphingst K, **Hunley K**, & Berwick M. (March, 2019). Cognitive causation beliefs, negative affect in risk perception, and responses to skin cancer genetic test offer. Poster presented at the Society of Behavioral Medicine Conference, Washington, DC. 2019
5. Rusk K, Mosley C, **Hunley K**, Healy M, Edgar H. Facial fluctuating asymmetry as a marker of cumulative health burden in women. *American Association of Physical Anthropologists*. 165, 233-234. 2018
6. Banerjee S, Zielaskowski K, White K, Rodriguez V, Robers E, Guest D, A Sussman, Talamantes Y, Schwartz M, Bigney J, **Hunley K**, Buller D, Kaphingst K, Berwick M, Hay J. Let's Talk About Skin Cancer": Examining Association Between Family Communication About Skin Cancer, Perceived Risk, And Sun Protection Behaviors. *Annals of Behavioral Medicine*. 52: S177-S177. 2018
7. West F, **Hunley K**, Healy M, Mosley C, Cabana GS, Edgar H. Return of Genetic Ancestry Testing Results: An Academic-Setting Case Study. *American Journal of Human Biology* 29. 2017
8. Hay J, Berwick M, Zielaskowski K, Meyer-White K, Rodríguez V, Robers E, Guest D, Sussman A, Talamantes Y, Schwartz M, Greb J, Bigney J, Kaphingst K, **Hunley K**, Buller D. Online skin cancer genetic testing in diverse primary care. *Society of Behavioral Medicine*. San Diego, CA, March 29 – April 1, 2017



9. Hay JL, Berwick M, Zielaskowski K, White KM, Rodríguez VM, Robers E, Guest D, Sussman A, Talamantes Y, Schwartz M, Greb J, Bigney J, Kaphingst K, **Hunley** K, Buller D. Interest and uptake of MC1R testing in primary care. Society for Melanoma Research. Boston, MA. 2016
10. White KM, Martinez M, Rodríguez VM, Robers E, Zielaskowski K, Guest D, Sussman A, Hunley K, Bigney J, Kaphingst K, Talamantes Y, Schwartz M, Greb J, Hay JL, Berwick M. MC1R variants in the New Mexico population. Society for Melanoma Research. Boston, MA. 2016
11. Hay JL, Berwick M, Kaphingst K, Buller D, **Hunley** K, Bigney J, White KM, Zielaskowski K, Guest D, Sussman A, Rodríguez VM. Investigating MC1R testing and feedback in primary care: Maximizing personal utility and reach. Society for Melanoma Research. San Francisco, CA. 2015
12. **Hunley** K, Cabana G, Long J. The Impact of Hierarchical and Gene Flow Processes on Patterns of Regional Genetic Diversity. *American Journal of Physical Anthropology*. 156:173. 2015
13. Cabana GS, **Hunley** K. The Impact of Local Mate Exchange and Founder Effects on Global Patterns of Mitochondrial Genomic Variation. *American Journal of Physical Anthropology*. 156:97. 2015
14. Mosley C, Healy M, **Hunley** K, and Edgar H. 2015. Exploring Hispanic Identity: Relationships among Socioeconomic Status, Genetic Ancestry, Skin Color, and Ethnicity in the Land of Enchantment. Society for Applied Anthropology. Pittsburgh, PA. 2014
15. Mosley C, Healy M, **Hunley** K, Edgar H. Skin deep: is skin color linked to blood pressure in New Mexicans of Spanish-speaking descent? *American Journal of Human Biology* 25:268. 2013
16. Mosley C, Healy M, **Hunley** K, Edgar H. Self-reported ethnicity predicts allostatic load in New Mexicans of Spanish-speaking descent. Human Biology Association. Knoxville, Tennessee. 2013
17. Young B, Long J, Gross J, Rosas-Taraco A, Rendon A, **Hunley** K. Genetic Admixture in Monterrey, Mexico: Evolutionary Implications for Tuberculosis Disease Risk. *Human Behavior and Evolution Society*. 2012
18. Young B, Rendon A, Rosas-Taraco A, Handal A, Baker J, Long J, Burgos M, **Hunley** K. Education and marital status are protective against active tuberculosis in Monterrey, Mexico. *American Journal of Physical Anthropology*. Portland. 2012
19. Healy M, Gross J, Berwick M, Hill D, Erdei E, Long J, **Hunley** K. Variability in genetic ancestry in New Mexican Hispanics: the product of a rich and ever-changing ethnic landscape. *American Journal of Physical Anthropology*. Portland. 2012

20. Young B, Rendon A, Rosas-Taraco A, Handal A, Baker J, Long J, Burgos M, **Hunley K**. Do Disease Legacies Impact Variation in Resistance? Genetic Ancestry and Socio-Cultural Effects on Active Tuberculosis in Northeastern Mexico. *American Journal of Physical Anthropology*. 2011
21. **Hunley K**. Genes and language in the Americas. *American Journal of Physical Anthropology*. 141: S50. 2010
22. Long J, **Hunley K**. New evidence for natural selection acting at the ALDH locus. *American Journal of Physical Anthropology*. 141: S50. 2010
23. Joyce S, **Hunley K**, Long J. Analysis of global gene identity reveals a history of serial founder effects, admixture between long-diverged Oceanic groups, and interbreeding with archaic humans. *American Journal of Physical Anthropology*. 141: S50. 2010
24. Schneider N, **Hunley K**. Genetic and linguistic coevolution in Native Latin America. *American Journal of Physical Anthropology*. 138: S48. 2009
25. Healy M, **Hunley K**. Using mitochondrial DNA in population genetic research: A comparison of the information content of the mitochondrial d-loop and the coding region. *American Journal of Physical Anthropology*. 137: S47. 2008
26. Healy M, **Hunley K**. The impact of geography, ecology, and language on Native American genetic structure. *American Journal of Physical Anthropology*. 134: S45. 2007
27. Spence J, **Hunley K**, Merriwether DA. Genetic structure and implications for human biological and cultural evolution: A case study of the Yanomamo. *American Journal of Physical Anthropology*. 134: S45. 2007
28. **Hunley K**, Merriwether DA, Cabana G, Long J. Linguistic and genetic correspondence in Native Central and South America. *American Journal of Physical Anthropology*. 131: S43. 2006
29. Cabana G, **Hunley K**. Migration or microevolution? The Numic expansion revisited through genetics and computer simulation modeling. Society for Anthropological Sciences. First General Scholarly Meeting, Santa Fe. 2005
30. **Hunley K**, Long J, Cabana G, Merriwether DA. Gene flow across linguistic boundaries in Native South American populations. Society for Anthropological Sciences. First General Scholarly Meeting. Santa Fe. 2005
31. **Hunley K**, Long J. Rejection of isolation by distance for human gene geography and suggested alternatives. *American Journal of Physical Anthropology*. 128: S41. 2005
32. Long J, **Hunley K**. Predictions of isolation by distance and alternatives for human gene geography. *American Journal of Physical Anthropology*. 128: S41. 2005

33. Demarchi DA, Cabana G, **Hunley** K, Merriwether DA. Linajes mitocondriales en poblaciones del Chaco Argentino: Patrones únicos de variación regional. 34<sup>a</sup> Congreso Argentino de Genética (Trelew, 12 al 14 de Septiembre de 2005) y VII Jornadas Nacionales de Antropología Biológica. Córdoba. 2005
34. **Hunley** K, Long J. Does Greenberg's linguistic classification predict patterns of New World genetic diversity? *American Journal of Physical Anthropology*. 125: S39. 2004
35. Malhi R, **Hunley** K, Long J. Tests for selection on ALDH2 in a Southeast Asian population. *American Journal of Physical Anthropology*. 122: S37. 2003
36. Long J, **Hunley** K, Kittles R. Analysis of DNA sequences under unequal evolutionary rates. *American Journal of Physical Anthropology*. 122: S37. 2003
37. Long J, **Hunley** K. Analysis of DNA sequences and repeat lengths under unequal evolutionary rates. American Society of Human Genetics. Los Angeles. 2003
38. **Hunley** K, Merriwether DA. The Anthropological Utility of Genetic Data in Small-Scale Populations: Migration Rates and Patterns among the Yanomamo. *American Journal of Physical Anthropology*. 119: S35. 2002
39. Cabana G, **Hunley** K, Kaestle F. Biomolecular Archaeology: Genetic Approaches to Reconstructing the Past: Population movement or genetic drift and gene flow? Southern Illinois University Visiting Scholar's Conference. Carbondale. 2002
40. **Hunley** K, Cabana G. The Genus *Homo*: One or multiple species? *American Journal of Physical Anthropology*. 116: S33. 2001
41. Cabana G, **Hunley** K, Kaestle R. Modeling the effects of random genetic drift and migration on the genetic diversity of ancient populations. 5th International Ancient DNA conference. Manchester, UK. 2000
42. **Hunley** K, Merriwether DA. Reconstructing the Past: Population Structure among the Yanomamo. *American Journal of Physical Anthropology*. 113: S31. 2000
43. Wolpoff M, Hawks J, **Hunley** K, Dobson S, Cabana G, Dayalu P. An Australian test of the Recent African Origin Theory using the WLH-50 Calvarium. *American Journal of Physical Anthropology*. 110: S29. 1999
44. **Hunley** K. Seattle, WA. Vertebral canal size and function: a comparison of extant and fossil hominoids. Paleoanthropology Society. 1999
45. Ahlstrom C, Hawks J, **Hunley** K, Oh S. The application of nested cladistics to investigate population structure in chimpanzees. *American Journal of Physical Anthropology*. 107: S27. 1998

46. **Hunley** K, Merriwether DA. The effect of fossil age on the estimation of time to a common ancestor. *American Journal of Human Biology* 10 (1), 126-126. 1998

## **Research Funding**

### **Since beginning tenure-track position in 2005**

#### **External**

1. Personalized genomic testing for melanoma: maximizing personal utility and reach. National Cancer Institute. National Institutes of Health. 1R01CA181241-01A1. Co-investigator: K Hunley (PIs: Jennifer Hay and Marianne Berwick). \$735,067. 2014 – 2017
2. The cultural and biological significance of ethnic substructure in New Mexican Hispanics. National Science Foundation. BCS 0962825. PI: K Hunley. co-PI: Heather Edgar. \$327,703. 2010 – 2015
3. Dynamics of hunter-gatherer language change. National Science Foundation. BCS 0902114. Co-PI: K Hunley (PI: Claire Bowern, Yale University). \$723,133. 2008-2014

#### **Internal**

1. Do granular classifications of ethnicity capture hidden heterogeneity in the causes of early and alcohol-related death?: A novel application of medical examiner data. Substance Use and Disorders Grand Challenge Pilot Grant. Co-investigators: Keith Hunley, Scott Tonigan (PI: Heather Edgar)2019-2020, \$3,000.
2. The relationship between genetic admixture and sociocultural history in New Mexico. UNM Research Allocation Committee. Discipline-specific Large Grant. PI: K Hunley. \$7,260. 2009
3. Funded Symposium: Race Reconciled? How biological anthropologists view human biological variation. Funded by UNM OVPR, Maxwell Museum, Department of Anthropology, Biology Department. \$15,850. 2007. Co-recipients: K Hunley, H Edgar
4. Linguistic and genetic coevolution and implications for human evolution. UNM Research Allocation Committee. Discipline-specific Large Grant. PI: K Hunley. \$7,185. 2005
5. Population stratification in New Mexican Hispanics and implications for medical and anthropological genetic research. UNM Cross Campus Collaboration in the Life Sciences. PI: K Hunley. \$24,214. 2005

## Teaching

### PhD Committee Chair

- Jada Benn-Torres, African Ancestry and Admixture Estimates throughout the Anglophone Caribbean, 2005
- Bonnie Young, Effects of Genetic Ancestry and Sociocultural Tuberculosis Susceptibility in Northeastern Mexico, 2012.
  - Research funded by Wenner-Gren Foundation and the UNM Latin American & Iberian Institute
- Meghan Healy, Ethnic Identity and Genetic Ancestry in New Mexicans of Spanish-Speaking Descent, 2019
  - Research funded by UNM Graduate Research and Development Committee

### PhD Committee Member

- Kate Rusk, Facial Fluctuating Asymmetry: Developmental Origins and Implications for Long-Term Health, 2019
- Carmen Mosley, A Biocultural Examination of Health Risk Among New Mexicans of Spanish-Speaking Descent, 2019
- Anthony Koehl, Estimating Ancestry and Genetic Diversity in Admixed Populations, 2016
- Tim Peterson, Taxonomic implications of basicranial variation in *Australopithecus africanus*, 2010
- Yann Klimentidis, Using Genetic Admixture to Examine Social and Phenotypic Aspects of Ethnicity Among New Mexican Hispanics and Native Americans, 2008
- Wendy Potter, Evidence for a change in the rate of aging of osteological indicators in American documented skeletal samples, 2010
- Hsui-man Lin, The Biological Evidence of the San-Pau-Chu People and Their Affinities, 2009

### Student Graduate Training Fellowships

- S. Phillips-Garcia, Fellowship, Program in Biological and Biomedical Sciences, UNM, 2009

### Master's Exam Committee Member

Jenna Strawbridge, Alexis O Donnell, Sara Niedbalski, Sarah Phillips-Garcia, Nicole Schneider, Jessica Gross, Margaret Frey, Maddison Schaefer, Anthony Koehl, Carmen Mosley, Kate Rusk,

Bonnie Young, Meghan Healy, Gwen Addickes, Amy Farnbach, Wendy Potter, Christopher Grivas, Hannah MacDonald

### **Honors Thesis Mentoring**

- Arianna Montoya. 2021-present
- Aurelia Dixon. Thesis title: Socially Constructed Genealogies in New Mexicans of Spanish-Speaking Descent, 2020

### **Undergraduate Student Mentoring**

Shannon Bermea, Danielle Boudreaux, Viengkeo Kay Bounkeua, Jillian Castor, Allison Chavez, Michael Deason, Aurelia Dixon, Casey Frank, Kiela Gwin, Gabriela Gomez, Liana Hernandez, Michael Krencicki, Brendon Liberman, Melanie Martinez, Brandon Pettit, Jessica Smith, Endel Sorra, Sierra Wilcox-Hindmarch, Aurelia Dixon

### **Professional development and course certifications**

- Center for Digital Learning Webinar, Increasing Student Engagement in Zoom, UNM, 2020
- Quality Matters Certification, Anthropology 150, 2016, Quality Matters
- Golden Paw. Online Course Advisory Council's Best Practice Certification, Anthropology 150, UNM, 2016

### **Classroom teaching**

- On-line course. Hunley, K. (2015), "Genetic and linguistic evolution and coevolution", in Rosenberg, N. and Nielsen, R. (eds), Human Population Genetics II, The Biomedical & Life Sciences Collection, Henry Stewart Talks Ltd, London
- Introduction to anthropological genetics. ANTH 364
- Human genetics. ANTH 455/555. BIO 452
- Anthropological genetics. ANTH 555
- Evolution and human emergence. ANTH 150/1135
- Evolution and human emergence (on-line). ANTH 150/1135 on-line (Certified by Quality Matters and recipient of Golden Paw from UNM Online Course Advisory Council)
- Evolution and human emergence laboratory. ANTH 151L/1135L
- Modern human origins and prehistory. ANTH 450/550
- Race and human evolution. ANTH 450/550

- Population genetics. ANTH/Biology 491/591
- Computer aided inferences in natural science. ANTH 450/550



## **Service**

### **UNM**

- 2021 - present. Chair. Department of Anthropology
- 2019- present. Member. Advisory Board, Alfonso Ortiz Center for Intercultural Studies
- 2019 - 2021. Interim Chair. Department of Anthropology
- 2019. Retention, Promotion & Tenure Review. Junior Committee (tenure and promotion review). College of Arts and Sciences
- 2018. Retention, Promotion & Tenure Review. Retention Committee (mid-probationary review). College of Arts and Sciences
- 2018. Coauthor (with Les Field and Jennifer George). *Academic Program Review Self-Study. Spring 2009-Spring 2018*. Department of Anthropology
- 2017 - 2019. Associate Chair. Department of Anthropology
- 2016. Search committee, interim Maxwell Museum Director. College of Arts and Sciences.
- 2015 - 2019. Advisory Group. Department of Anthropology
- 2014 - 2016. College Assessment Review Committee. College of Arts and Sciences
- 2014, 2017-2019. Tenure and Promotion Committees. Department of Anthropology
- 2012. Writing workshop for the Undergraduate Anthropology Society. Department of Anthropology
- 2008 – present (periodic). Maxwell Museum Human Evolution Exhibit Committee. Maxwell Museum
- 2007 - 2019. Director. Undergraduate Committee. Department of Anthropology
- 2007. Search committee. Evolutionary (Biological) Anthropology. Department of Anthropology
- 2007-2008. Space committee. Department of Anthropology
- 2006 - 2008. Advisory council. Program in Interdisciplinary Biological and Biomedical Sciences
- 2006-2007. Maxwell Museums Publication Committee. Department of Anthropology
- 2004 - 2019. Undergraduate committee member. Department of Anthropology
- 2004 - 2018. Organizer. Evolutionary Anthropology Journal Club. Department of Anthropology

### **Discipline**

- 2015 - present. Associate Editor. Human Biology

- 2015 - present. Associate Editor. Human Biology
- 2019. External evaluator for faculty promotion. Department of Anthropology. University of Illinois Urbana-Champaign
- 2012. Scientific Program Committee. American Association of Physical Anthropologists
- 2011. Scientific Program Committee. American Association of Physical Anthropologists
- 2011. Local Arrangements committee. Human Biology Association Meetings. Albuquerque, NM
- 2007. American Association of Physical Anthropologists. Student Prize Committee
- Grant/manuscript review:
  - National Science Foundation, Wenner-Gren Foundation, Science Magazine, Scientific Reports, Proceedings of the National Academy of Sciences, Philosophical Transactions of the Royal Society B, Proceedings of the Royal Society of London B, American Journal of Physical Anthropology, PLoS One, Current Anthropology, Human Biology, Human Nature, Journal of Anthropological Research, Trends in Genetics, Molecular Biology and Evolution

### **Invited Lectures, Seminars, Symposia, and Public Anthropology**

- 2018. Guest lecture. Anth 360. Human Behavioral Ecology. UNM
- 2017. Guest discussant. Department of Anthropology. University of Illinois
- 2018. Guest lecture. Race and human evolution as it applies to public health. PH 201. Population Health Biology. UNM
- 2018. Guest discussant. Anthropology 330. Department of Anthropology. UNM
- 2017. Guest discussant. Anth 454. Human Genetics. University of Illinois
- 2017. Guest discussant. Anthropology 330. Department of Anthropology. UNM
- 2012. Youtube video describing research in New Mexico  
<https://www.youtube.com/watch?v=xPMBxOdlf58>
- 2012. Guest lecture. Genetic and linguistic coevolution. Department of Linguistics. UNM
- 2011. Guest lecture. Admixture in New Mexicans of Spanish-speaking descent. Division of Epidemiology and Biostatistics. UNM
- 2009. “DNA, Race and Identity” Radio interview with Sylvia Rodriguez for Cultural Energy’s People, Culture and Place series. <http://www.culturalenergy.org/mp3/edgar-ortiz.mp3>.  
 With Heather Edgar

- 2009. Invited lecture. Darwin Day Symposium: There are no races, there are only nested hierarchies. Biology Department. UNM
- 2009. Guest lecture. Population genetic structure and admixture in New Mexican Hispanics. Division of Epidemiology and Biostatistics. UNM
- 2008. Co-organizer. Faculty Symposium sponsored by the Alfonso Ortiz Center for Intercultural Studies. The social and health-related implications of sociocultural and biological variation in New Mexicans of Hispanic descent. UNM
- 2007. Co-organizer with H Edgar. Symposium: Race reconciled? How biological anthropologists view human biological variation. UNM
- 2007. Contributor. Maxwell Museum of Anthropology Exhibit. Tools of the trade: How biological anthropology is done. UNM
- 2007. Linguistic and Genetic Coevolution in Native America. Perspectives in Human Ecology Seminar. Department of Anthropology. UNM
- 2007. The global pattern of human genetic variation: no clines, no trees, and no races. Program in Interdisciplinary Biological & Biomedical Science Seminar. UNM
- 2007. Guest lecture. FLC-623: Genes, peoples, languages. Freshmen Learning Communities. UNM
- 2006. Guest lecture. Linguistic and genetic coevolution in Native America. Department of Linguistics. UNM
- 2006. Guest lecture. Is there a biological basis for human race? Department of Anthropology Archaeology Seminar. UNM
- 2005. Guest lecture. FLC-623: Genes, peoples, and languages. Freshmen Learning Communities. UNM