

Jason M. Kamilar

Curriculum vitae

CONTACT INFORMATION

Department of Anthropology, University of Massachusetts, Amherst, Massachusetts 01003

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PROFESSIONAL APPOINTMENTS

2022-Present **Professor**, Department of Anthropology, University of Massachusetts, Amherst

2023-Present **Director**, Institute for Social Science Research, University of Massachusetts, Amherst

2018-2022 **Associate Professor**, Department of Anthropology, University of Massachusetts, Amherst

2015-2018 **Assistant Professor**, Department of Anthropology, University of Massachusetts, Amherst

2023-Present **Core Faculty**, Data Analytics and Computational Social Science Program, University of Massachusetts, Amherst

2019-2024 **Co-Director**, Kasanka Baboon Project at Kasanka National Park, Zambia

2018-Present **Faculty**, Institute for Applied Life Sciences, Models to Medicine Center (Microbiome, Microbes & Infectious Diseases Research Theme), University of Massachusetts, Amherst

2017-2023 **Editor-in-Chief**, *Evolutionary Anthropology*

2016-Present **Faculty Affiliate**, Computational Social Science Institute, University of Massachusetts, Amherst

2015-Present **Faculty**, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts, Amherst

2015-Present **Curator of Primates**, Natural History Collections, University of Massachusetts, Amherst

2011-2015 **Manager of Bio-Clinical Statistics**, Office of Research and Sponsored Programs, Midwestern University

2011-2015 **Research Assistant Professor**, Department of Anatomy, Arizona College of Osteopathic Medicine, Midwestern University

2011-2015 **Adjunct Faculty**, School of Human Evolution and Social Change, Arizona State University

2009-2011 **Postdoctoral Research Associate**, Department of Anthropology and

Molecular Anthropology Laboratory, Yale University

2006-2009 **Postdoctoral Fellow** and **Research Associate**, Department of Anthropology, Washington University, St. Louis

2008-2009 **Adjunct Instructor**, Department of Sociology and Criminal Justice, St. Louis University

2003-2006 **Editorial Assistant** for *Evolutionary Anthropology*, Department of Anatomical Sciences, Stony Brook University

2003-2006 **Academic Advisor**, Academic and Pre-Professional Advising Center, Stony Brook University

2004-2005 **Instructor**, Department of Anthropology, Stony Brook University

EDUCATION

1999-2006 **Ph.D.** Anthropological Sciences, Stony Brook University
Dissertation Committee: Charles Janson, John Fleagle, Patricia Wright, and Charles Nunn (outside member)

1994-1999 **B.A.** Anthropology, Arizona State University

1994-1999 **B.S.** Life Sciences, Arizona State University

GRANTS (External funding awarded: \$1,234,738; Total funding received: \$1,268,096)

2023 - 2025 **National Science Foundation**, SMA #2313739, co-PI (with PI Jacob Feder, Arizona State University; co-PI Joan Silk, Arizona State University), "The Ecology and Evolution of Social Interdependence in Primates" (\$160,000)

2023 - 2025 **National Science Foundation**, BCS #2235703, PI (with co-PI Catherine Kitrinos, University of Massachusetts), "Doctoral Dissertation Research: Shared Food Sources and Microbial Transmission in Primates and Bats" (\$17,994)

2022 - 2025 **National Science Foundation**, BCS #2141627, PI, "Primate Gut Microbiomes in Relationship to Behavioral Traits" (\$450,000)

2021 - 2023 **National Science Foundation**, BCS #2120509, PI (with co-PI Rachel Bell, University of Massachusetts), "Doctoral Dissertation Research: Impacts of Anthropogenic Disturbance on Lemur Microbiota in Southwest Madagascar" (\$18,934)

2021 - 2025 **National Science Foundation**, BCS #2120509, PI (with co-PI Amanda Fuchs, University of Massachusetts), "Doctoral Dissertation Research: The Effects of Food and Water on Kinda Baboon Movement Ecology and Microbiome Diversity" (\$17,986)

- 2021 - 2023 **Faculty Research Grant, University of Massachusetts Amherst**, PI, “The Effect of a Massive Bat Migration on the Gut Microbiome and Parasite Diversity of Baboons” (\$20,000)
- 2021 - 2023 **College of Social and Behavioral Sciences Research Support Grant, University of Massachusetts Amherst**, PI, “The Effect of a Massive Bat Migration on the Gut Microbiome and Parasite Diversity of Baboons” (\$7,358)
- 2019 - 2021 **National Science Foundation**, BCS #1919663, PI (with co-PI Andrew Zamora, University of Massachusetts), “Doctoral Dissertation Research: Socio-Genomic Evolution of Sifakas (*Propithecus*)” (\$20,500)
- 2019 **College of Social and Behavioral Sciences Conference Grant, University of Massachusetts Amherst**, “Funding to Support the Northeastern Evolutionary Primatology Meeting” (\$2,000)
- 2017 - 2021 **Leakey Foundation Research Grant**, PI (with co-PI Brenda Bradley, George Washington University), “The Evolutionary Ecology of Primate Hair and Skin Microbiomes” (\$25,000)
- 2016 **College of Social and Behavioral Sciences Research Support Grant, University of Massachusetts Amherst**, “Generating Pilot Data to Understand Primate Hair Microbiomes” (\$4,000)
- 2016 - 2020 **National Science Foundation**, BCS #1551799, PI (with co-PI Kaye Reed, Arizona State University), “Collaborative Research: Understanding Temporal Variation in Primate Communities: Integrating Data from Extant and Fossil Species” (\$274,399)
- 2014 - 2018 **National Science Foundation**, BCS #1354997 and #1606360, PI (with co-PI Brenda Bradley, George Washington University), “The Evolution of Hair and Fur: Proximate and Ultimate Mechanisms Shaping Primate Pelage Variation” (\$204,239)
- 2013 - 2016 **Wenner-Gren Foundation Research Grant**, PI (with co-PI Brenda Bradley, George Washington University), “The Evolution of Primate Hair Morphology: A Comparative Approach” (\$18,819)
- 2009 **International Primatological Society Research Grant**, “The Evolution of Primate Pelage Coloration Using Melanin Pigments: A Pilot Study” (\$1,500)
- 2008 - 2011 **Leakey Foundation Research Grant**, PI, “The Evolutionary Ecology of Primate Pelage Color Variation” (\$18,500)
- 2005 - 2006 **National Science Foundation Dissertation Improvement Grant**, co-PI (with PI Charles Janson, Stony Brook University) “Intraspecific Variation in Primate Behavior and Ecology” (\$6,867)

AWARDS

- 2022 **Outstanding Mentor Award**, College of Social and Behavioral Sciences, University of Massachusetts Amherst (\$1,000)
- 2017 - 2018 **Institute of Social Science Research Scholar**, University of Massachusetts Amherst
- 2011 **Postdoctoral Scholar Travel Award**, Yale University (\$1,000)
- 2007 **Thomas J. Dee Fellowship**, Field Museum of Natural History (\$1,000)
- 2006 **Sigma Xi Travel Award** (\$200)
- 2005 **Podium Presentation Student Prize** awarded at the 5th Göttinger Freiländertage, Germany. Primate diversity: Past, present and future (\$125)
- 2005 **Best Student Poster Honorable Mention (with Kerry Ossi)**, awarded at the 74th annual meeting of the American Association of Physical Anthropologists by the Primate Biology and Behavior Interest Group
- 2004 **Sigma Xi Award for Excellence in Research**
- 2004 **The Sherwood Washburn Student Prize** awarded at the 73rd annual meeting of the American Association of Physical Anthropologists (\$300)

PEER-REVIEWED ARTICLES AND BOOK CHAPTERS (*indicates student co-author)

Feder JA, Alberts SC, Archie EA, Arlet ME, Baniel A, Beehner JC, Bergman TJ, Carter AJ, Charpentier MJE, Chiou KL, Crockford C, Cowlshaw G, Dal Pesco F, Fernández D, Fischer J, Higham JP, Huchard E, Le Floch A, Lu AP, Mielke A, Mubemba B, Petersdorf M, Schneider-Crease IA, Snyder-Mackler N, Trede F, Tung J, Weyher AH, Wittig RM, **Kamilar JM**, Silk JB. In prep. Disparate social structures are underpinned by distinct social rules across the African papionins. *Proceedings of the National Academy of Sciences USA*.

Haynes L* and **Kamilar JM**. In prep. Human land use and diet predict wild mammal gut microbiome diversity through time. *Proceedings of the Royal Society B*.

Schmidt A*, Kitrinos C*, Chiou KL, Katinta M, Mubemba B, Petersdorf M, Schneider-Crease IA, Weyher AH, Fuchs A*, **Kamilar JM**. In prep. Dietary convergence and divergence in fruit bats and Kinda baboons based on the *trnL* plant barcode gene. *Molecular Ecology*.

Burten RB*, Lawler RR, Ratsirarson J, Ranaivonasy J, Leduc R, Bhagat A, Lopez A, **Kamilar JM**. In review. The resilience of the oral microbiome and lability of the hair microbiome across host environments in wild and captive lemurs. *Animal Microbiome*.

Shreyer SI*, Baden AL, Tecot SR, **Kamilar JM**. In revision. Female dispersal predicts allomaternal care in mammals. *Behavioral Ecology*.

75. Sandel AA, Scott JE, **Kamilar JM**. 2025. Primate behavior and the importance of comparative studies in biological anthropology. *Yearbook of Biological Anthropology*.
74. Weyher A*, Chiou KL, Katinta M, **Kamilar JM**. In press. Kinda baboon activity budgets and their relationships to climate variation, in *Baboons: Behavior, Ecology and Taxonomy*. J Wallis, ed. Cambridge: Cambridge University Press.
73. Weyher AH, Katinta M, Mubemba B, Petersdorf M, **Kamilar JM**, Schneider-Crease IA, Chiou KL. 2025. A friendlier “kinda” social system: male Kinda baboons invest in long-term social bonds with females. *American Journal of Biological Anthropology*.
<https://doi.org/10.1002/ajpa.25056>
 ♦ *In the 97th percentile of research outputs of the same age as tracked by [Altmetric](#)*
72. Zintel TM*, Ely JJ, Raghanti MA, Hopkins WD, Hof PR, Sherwood CC, **Kamilar JM**, Bauernfeind AL, Babbitt CC. 2025. Ecological trait differences are associated with gene expression in the primary visual cortex of primates. *Genes*.
<https://doi.org/10.3390/genes16020117>
71. Devarajan K, Fidino M, Farris ZJ, ... 78 authors ... **Kamilar JM** ... 136 authors ... Gerber B. 2025. When the wild things are: Defining mammalian diel activity and plasticity. *Science Advances*.
70. Rowan J, Du A, Lundgren EJ, Faith JT, Beaudrot L, Campisano CJ, Joordens J, Lazagabaster IA, Locke EM, Smail IE, Reed KE, **Kamilar JM**. 2024. Long-term biotic homogenization in the East African Rift System over the last 6 million years of hominin evolution. *Nature Ecology and Evolution* 8: 1751–1759.
 ♦ *Included in a collection of [100 papers on palaeoanthropology in Africa](#) selected from *Nature*, *Nature Ecology and Evolution*, and *Nature Communications*, in collaboration with *Nature Africa**
 ♦ *In the 97th percentile of all research outputs of similar age tracked by [Altmetric](#)*
69. Rulu P*, Bertone-Johnson ER, **Kamilar JM**, Dhall M, Sievert LL. 2024. Chronic stress, social support, and symptoms at midlife. Is there a buffering effect? *American Journal of Biological Anthropology* 184: e24936.
68. Rulu P*, Bertone-Johnson ER, **Kamilar JM**, Dhall M, Sievert LL. 2024. Midlife symptoms and household stress are associated with fingernail cortisol. *Menopause* 31: 116-122.
67. Gold CL*, Kitrinis C*, Sievert LL, **Kamilar JM**. 2023. Mean age at menarche and climate variables on a global scale. *American Journal of Human Biology* 35: e23961.
66. Best AW*, Lieberman DE, Gerson AR, Holt BM, **Kamilar JM**. 2023. Variation in human functional eccrine gland density and its implications for the evolution of human sweating. *American Journal of Biological Anthropology* 181: 379-391.
 ♦ *In the 93rd percentile of research outputs of the same age as tracked by [Altmetric](#)*
64. Montalvo V, Sáenz-Bolaños C, Cruz J, **Kamilar JM**, Carrillo E, Fuller T. 2023. Camera trap site placement effect on dry forest wildlife photo rates in northwestern Costa Rica:

- Further implications for jaguar (*Panthera onca*) camera trap studies. *Wildlife Society Bulletin* 47: e1428.
63. Tapanes E*, **Kamilar JM**, Nukala M*, Irwin MT, Bradley BJ. 2023. Melanism in a wild sifaka population: Darker where cold and fragmented. *International Journal of Primatology* 44: 74–93.
65. Kitrinos C*, Bell RB*, Bradley BJ, **Kamilar JM**. 2022. Hair microbiome diversity within and across primate species. *mSystems* 7: e00478-22.
62. Schneider-Crease I, Chiou KL, Mubemba B, **Kamilar JM**, Petersdorf M, Weyher AH*. 2022. Stronger maternal social bonds and higher rank are associated with accelerated infant maturation in Kinda baboons. *Animal Behaviour* 189: 47-57.
61. Tapanes E*, Jacobs RL, Harryman I, Louis EE, Irwin MT, **Kamilar JM**, Bradley BJ. 2022. Hair phenotype diversity across Indriidae lemurs. *American Journal of Biological Anthropology* 178: 257-272.
60. Wuesthoff E*, Fuller T, Sutherland C, **Kamilar JM**, Ramanankirahina R, Rakotondravony R, Radespiel U. 2021. Differential habitat use by sympatric species of mouse lemurs across a mangrove – dry forest habitat gradient. *Journal of Mammalogy* 102: 1266-1278.
59. Bell RB*, Bradley BJ, **Kamilar JM**. 2021. The evolutionary ecology of primate hair color: A phylogenetic approach. *Journal of Mammalian Evolution* 28: 911–927.
♦ *In the 90th percentile of research outputs of the same age as tracked by [Altmetric](#)*
58. **Kamilar JM** and Beaudrot L. 2021. Quantitative methods for primate biogeography and macroecology, in *Spatial Analysis in Field Primatology: Applying GIS at Varying Scales*. CA Shaffer, F Dolins, JR Hickey, NP Nibbelink, L Porter, eds. Cambridge: Cambridge University Press. pp. 383-402.
57. Tapanes E*, **Kamilar JM**, Bradley BJ. 2021. Molecular and cellular processes of pelage pigmentation and growth in primate evolution, in *Evolutionary Cell Processes in Primates: Genes, Skin, Energetics, Breathing, and Feeding*. MK Pitirri, JT Richtsmeier, eds. New York: Taylor and Francis/CRC Press.
56. Godfrey LR, Samonds KE, Baldwin J*, Sutherland MR, **Kamilar JM**, Allfisher K. 2020. Mid-Tertiary climate change and extinction in Madagascar and their bearing on the evolution of Madagascar’s lemurs. *BMC Evolutionary Biology* 20: 97.
55. Tapanes E*, Anestis S, **Kamilar JM**, Bradley BJ. 2020. Does facial hair greying in chimpanzees provide a salient progressive cue of ageing? *PLoS ONE* 15: e0235610.
♦ *In the 98th percentile of research outputs of the same age as tracked by [Altmetric](#)*
54. Rowan J, Beaudrot L, Franklin J, Reed KE, Smail IE*, Zamora A*, **Kamilar JM**. 2020. Geographically divergent evolutionary and ecological legacies shape large mammal biodiversity in the global tropics and sub-tropics. *Proceedings of the National Academy of Sciences USA* 117: 1559-1565.

♦ *In the 98th percentile of research outputs of the same age as tracked by [Altmetric](#)*

53. Baden AL, Mancini AN*, Federman S*, Holmes S, Johnson SE, **Kamilar JM**, Louis Jr. EE, Bradley BJ. 2019. Anthropogenic pressures drive population genetic structuring across a Critically Endangered lemur species range. *Scientific Reports* 9: 16276
doi:10.1038/s41598-019-52689-2
52. Best AW*, Lieberman DE, **Kamilar JM**. 2019. Diversity and evolution of human eccrine sweat gland density. *Journal of Thermal Biology* 84: 331-338.
51. Petersdorf M*, Weyher A*, **Kamilar JM**, Dubuc C, Higham JP. 2019. Sexual selection in the Kinda baboon (*Papio kindae*). *Journal of Human Evolution* 135: 102635.
50. Vander Linden A*, Hedrick BP, **Kamilar JM**, Dumont ER. 2019. Atlas morphology, scaling, and locomotor behavior in primates, rodents, and relatives (Mammalia: Euarchontoglires). *Zoological Journal of the Linnean Society* 185: 283–299.
49. Best A* and **Kamilar JM**. 2018. The evolution of sweat glands in human and nonhuman primates. *Journal of Human Evolution* 117: 33-43.
48. Fuchs AJ*, Gilbert CC, **Kamilar JM**. 2018. Ecological niche modeling of the genus *Papio*. *American Journal of Physical Anthropology* 166: 812-823.
47. **Kamilar JM** and Beaudrot L. 2018. Effects of environmental stress on primate populations. *Annual Review of Anthropology* 47: 417-434.
46. **Kamilar JM**. 2017. Biogeography and primate biogeography. *The International Encyclopedia of Primatology*. A Fuentes, ed. Hoboken: John Wiley & Sons. pp. 98-101.
45. Baden AL, Webster TH*, **Kamilar JM**. 2016. Resource seasonality and reproductive state predict fission-fusion dynamics in a Malagasy strepsirrhine, *Varecia variegata*. *American Journal of Primatology* 78: 256-279.
44. Borries C, Sandel AA*, Koenig A, Fernandez-Duque E, **Kamilar JM**, Amoroso CR*, Barton RA, Bray J*, DiFiore A, Gilby IC, Gordon AD, Mundry R, Port M, Powell LE*, Pusey AE, Spriggs A*, Nunn CL. 2016. Transparency, usability, and reproducibility: guiding principles for improving comparative databases using primates as examples. *Evolutionary Anthropology* 25: 232-238.
43. **Kamilar JM**, Blanco M, Muldoon KM. 2016. Ecological niche modeling of mouse lemurs and its implications for their species diversity and biogeography. *Dwarf and mouse lemurs of Madagascar: Biology, behavior and conservation biogeography of the Cheirogaleidae*. SM Lehman, U Radespiel, E Zimmermann, eds. Cambridge: Cambridge University Press. pp. 449-461.
42. **Kamilar JM** and Tecot SR. 2016. Anthropogenic and climatic effects on the distribution of *Eulemur* species: An ecological niche modeling approach. *International Journal of Primatology* 37: 47-68.

41. Kelley EA, Jablonski NG, Chaplin G, Sussman RW, **Kamilar JM**. 2016. Behavioral thermoregulation in *Lemur catta*: The significance of sunning and huddling behaviors. *American Journal of Primatology* 78: 745-754.
40. Lazagabaster IA*, Rowan J*, **Kamilar JM**, Reed KE. 2016. Evolution of craniodental correlates of diet in African Bovidae. *Journal of Mammalian Evolution* 23: 385-396.
39. Moore BA, Tyrrell LP, **Kamilar JM**, Collin SP, Dominy NJ, Hall MI, Heesy CP, Johnsen S, Lisney TJ, Loew ER, Moritz G, Nava S, Warrant EJ, Yopak KE, Fernandez-Juricic E. 2016. Structure and functions of regional specializations in vertebrate retinas. *Evolution of Nervous Systems*, 2nd edition, JH Kaas, ed. New York: Elsevier Publishers. pp. 351-372.
38. Rowan J*, **Kamilar JM**, Beaudrot L, Reed KE. 2016. Strong influence of paleoclimate on the structure of modern African mammal communities. *Proceedings of the Royal Society B* 283: 20161207.
♦ *In the 92nd percentile of research outputs of the same age as tracked by [Altmetric](#)*
37. **Kamilar JM** and Tecot SR. 2015. Connecting proximate mechanisms and evolutionary patterns: Pituitary gland size and mammalian life history. *Journal of Evolutionary Biology* 28: 1997-2008.
36. **Kamilar JM**, Beaudrot L, Reed KE. 2015. Climate and species richness predict the phylogenetic structure of African mammal communities. *PLoS ONE* 10: e0121808.
35. Anestis SF, Webster TH*, **Kamilar JM**, Fontenot B, Watts DP, Bradley BJ. 2014. AVPR1A variation in chimpanzees (*Pan troglodytes*): Population differences and association with behavioral style. *International Journal of Primatology* 35: 305-324.
34. Beaudrot L*, **Kamilar JM**, Marshall AJ, Reed KE. 2014. African primate assemblages exhibit a latitudinal gradient in dispersal limitation. *International Journal of Primatology* 35: 1088-1104.
33. **Kamilar JM** and Atkinson QD. 2014. Cultural assemblages show nested structure in humans and chimpanzees but not orangutans. *Proceedings of the National Academy of Sciences USA* 111: 111-115.
♦ *In the 96th percentile of research outputs of the same age as tracked by [Altmetric](#)*
32. **Kamilar JM** and Baden AL. 2014. What drives flexibility in primate social organization? *Behavioral Ecology and Sociobiology* 68: 1677-1692.
31. **Kamilar JM**, Beaudrot L*, Reed KE. 2014. Advances in primate community ecology research across spatial, temporal and phylogenetic scales. *International Journal of Primatology* 35: 1083-1087.
30. **Kamilar JM**, Beaudrot L*, Reed KE. 2014. The influences of species richness and climate on the phylogenetic structure of African haplorhine and strepsirrhine primate communities. *International Journal of Primatology* 35: 1105-1121.

29. **Kamilar JM** and Beaudrot L.* 2013. Understanding primate communities: Recent developments and future directions. *Evolutionary Anthropology* 22: 174-185.
28. **Kamilar JM** and Cooper N. 2013. Phylogenetic signal in primate behaviour, ecology, and life history. *Philosophical Transactions of the Royal Society B* 368: 20120341.
 ♦ *This publication is extremely highly cited compared to other publications in the same field, based on [Dimensions](#)*
27. **Kamilar JM**, Heesy CP, Bradley BJ. 2013. Did trichromatic color vision and red hair color co-evolve in primates? *American Journal of Primatology* 75: 740-751.
26. Tecot SR, Baden AL*, Romine N*, **Kamilar JM**. 2013. Reproductive strategies and infant care in the Malagasy primates. In: *Building Babies: Proximate and Ultimate Perspectives of Primate Developmental Trajectories*, K. Clancy, K. Hinde, and J. Rutherford, eds. New York: Springer Press. pp. 321-359.
25. Cooper N, **Kamilar JM**, Nunn CL. 2012. Host longevity and parasite species richness in mammals. *PLoS ONE* 7: e42190.
24. Hall MI, **Kamilar JM**, Kirk EC. 2012. Eye shape and the nocturnal bottleneck of mammals. *Proceedings of the Royal Society B* 279: 4962-4968.
 ♦ *In the 96th percentile of research outputs of the same age as tracked by [Altmetric](#)*
23. **Kamilar JM** and Marshack JL.* 2012. Does geography or ecology best explain 'cultural' variation among chimpanzee communities? *Journal of Human Evolution* 62: 256-260.
22. **Kamilar JM**, Muldoon KM, Lehman SM, Herrera JP.* 2012. Testing Bergmann's rule and the resource seasonality hypothesis in Malagasy primates using GIS-based climate data. *American Journal of Physical Anthropology* 147: 401-408.
21. Moore BA*, **Kamilar JM**, Collin SP, Bininda-Emonds ORP, Dominy NJ, Hall MI, Heesy CP, Johnsen S, Lisney TJ, Loew ER, Moritz G*, Nava S, Warrant EJ, Yopak KE, Fernandez-Juricic E. 2012. A novel method for comparative analysis of retinal specialization traits from topographic maps. *Journal of Vision* 12: 13. doi:10.1167/12.12.13.
20. Pointer MA, **Kamilar JM**, Warmuth V*, Chester SGB*, Delsuc F, Mundy NI, Asher RJ, Bradley BJ. 2012. RUNX2 tandem repeats and the evolution of facial length in placental mammals. *BMC Evolutionary Biology* 12: 103. doi:10.1186/1471-2148-12-103.
19. Tecot SR, Baden AL*, Romine N*, **Kamilar JM**. 2012. Infant parking and nesting, not allomaternal care, influence Malagasy primate life histories. *Behavioral Ecology and Sociobiology* 66: 1375-1386.
18. Hall MI, Kirk EC, **Kamilar JM**, Carrano MT. 2011. Technical Comment on "Nocturnality in dinosaurs inferred from scleral ring and orbit morphology". *Science* 334: 1641.

17. Heesy CP, **Kamilar JM**, Willms J.* 2011. Retinogeniculostriate pathway components only scale with orbit convergence in primates and not other mammals. *Brain, Behavior, and Evolution* 77: 105–115.
16. **Kamilar JM** and Bradley BJ. 2011. Countershading is related to positional behavior in primates. *Journal of Zoology* 283: 227-233. Cover Article.
15. **Kamilar JM** and Bradley BJ. 2011. Interspecific variation in primate coat color supports Gloger's rule. *Journal of Biogeography* 38: 2270-2277.
14. **Kamilar JM** and Ledogar JA.* 2011. Species co-occurrence patterns and dietary resource competition in primates. *American Journal of Physical Anthropology* 144:131–139.
13. Wheeler BC, Bradley BJ, **Kamilar JM**. 2011. Predictors of orbital convergence in primates: A test of the snake detection hypothesis of primate evolution. *Journal of Human Evolution* 61: 233-242.
12. **Kamilar JM**, Bribiescas RG, Bradley BJ. 2010. Is group size related to longevity in mammals? *Biology Letters* 6: 736-739.
11. **Kamilar JM** and Guidi LM.* 2011. The phylogenetic structure of primate communities: Variation within and across regions. *Journal of Biogeography* 37: 801-813.
10. **Kamilar JM** and Muldoon KM. 2010. The climatic niche diversity of Malagasy primates: A phylogenetic approach. *PLoS ONE* 5: e11073.
♦ *This publication is extremely highly cited compared to other publications in the same field, based on [Dimensions](#)*
9. **Kamilar JM**. 2009. Environmental and geographic correlates of the taxonomic structure of primate communities. *American Journal of Physical Anthropology* 139: 382–393.
8. **Kamilar JM**. 2009. Interspecific variation in primate countershading: Effects of activity pattern, body mass, and phylogeny. *International Journal of Primatology* 30: 877–891.
7. **Kamilar JM**, Martin SK*, Tosi AJ. 2009. Combining biogeographic and phylogenetic data to examine primate speciation: An example using cercopithecine monkeys. *Biotropica* 41: 514-519.
6. Pontzer H and **Kamilar JM**. 2009. Great ranging associated with greater reproductive investment in mammals. *Proceedings of the National Academy of Sciences USA* 106: 192-196.
5. **Kamilar JM** and Pokempner AA.* 2009. Does body mass dimorphism increase male-female dietary niche separation? A comparative study of primates. *Behaviour* 145: 1211-1234.
4. **Kamilar JM** and Paciulli LM. 2008. Examining the extinction risk of specialized folivores: A comparative study of colobine monkeys. *American Journal of Primatology* 70: 816-827.

3. **Kamilar JM.** 2006. Geographic variation in savanna baboon (*Papio*) ecology and its taxonomic and evolutionary implications. In: Primate Biogeography, SM Lehman and JG Fleagle, eds. New York: Springer Press. pp. 169-200.
2. Ossi KM* and **Kamilar JM.** 2006. Environmental and phylogenetic correlates of *Eulemur* behavior and ecology (Primates: Lemuridae). Behavioral Ecology and Sociobiology 61: 53–64.
1. **Kamilar JM** and Roehrdanz N.* 2005. Old World monkeys. In: Encyclopedia of Anthropology, H.J. Birx, ed. Thousand Oaks: Sage Publications.

ADDITIONAL PUBLICATIONS

- 2021 Kitrinos CE, Fuchs AJ, Claypool CG, Gunson JL, **Kamilar JM.** 2021. Primatology at the last meeting of the American Association of Physical Anthropologists. Evolutionary Anthropology
- 2020 **Kamilar JM.** Classic contributions in Evolutionary Anthropology. Evolutionary Anthropology 29: 2.
- 2018 Fleagle JG and **Kamilar JM.** Evolutionary Anthropology: Issues, News, and Reviews. Encyclopedia of Global Archaeology. Claire Smith, ed. New York: Springer.
- 2018 **Kamilar JM.** The evolution of Evolutionary Anthropology. Evolutionary Anthropology 27: 1.
- 2012 **Kamilar JM.** Introduction to data analysis. Midwestern University's Office of Research and Sponsored Programs Research Handbook. pp. 157 -191.
- 2010 **Kamilar JM.** Book review: The fruit, the tree, and the serpent: Why we see so well. By Lynne A. Isbell. Quarterly Review of Biology 85: 121.
- 2007 Fleagle JG and **Kamilar JM.** Primate diversity: Past, present and future. Evolutionary Anthropology 16: 83-85.
- 2006 **Kamilar JM.** Monkeys: Old and new. Evolutionary Anthropology 15: 121-122.
- 2006 **Kamilar JM.** and Muldoon KM. Physical anthropology in the Last Frontier. Evolutionary Anthropology 15: 125-126.
- 2006 **Kamilar JM** and Nash LT. Primates in the Great Northwest. Evolutionary Anthropology 15: 39.
- 2005 **Kamilar JM** and Coleman MN. Primate ecology and evolution at the American Association of Physical Anthropology meeting. Evolutionary Anthropology 14: 207-208.
- 2005 Young JW, Patel BA, **Kamilar JM.** New findings from integrative and comparative research. Evolutionary Anthropology 14: 88-89.

2004 **Kamilar J** and Heesy CP. Recent advances in primate ecology and evolution. *Evolutionary Anthropology* 13: 168-169.

INVITED PRESENTATIONS

- Mar 2022 *Kinda baboons at Kasanka National Park: Past, present, and future.* School of Anthropology and Conservation. University of Kent, UK.
- Feb 2022 *Kinda baboons at Kasanka National Park: Past, present, and future.* Monkey Monday Seminar Series. School of Social Sciences. Oxford Brookes University, UK.
- Nov 2021 *Kinda baboons at Kasanka National Park: Past, present, and future.* Primate Conversations Seminar Series. School of Anthropology & Museum Ethnography. University of Oxford, UK.
- Apr 2019 *The ecology and evolution of primate biodiversity.* BioTAP Seminar Series, Commonwealth Honors College, University of Massachusetts Amherst.
- Apr 2018 *The ecology and evolution of primate hair.* BioTAP Seminar Series, Commonwealth Honors College, University of Massachusetts Amherst.
- Oct 2017 *A hairy situation: Surprising stories of primate evolution.* OEB Science Café. Graduate Program in Organismic and Evolutionary Biology. University of Massachusetts Amherst.
- Mar 2017 *Climatic and anthropogenic effects on African mammal macroecology.* Department of Anatomical Sciences, Stony Brook University.
- Mar 2017 *Climatic and anthropogenic effects on African mammal macroecology.* Department of Evolutionary Anthropology, Duke University.
- Nov 2016 *The ecology and evolution of primate hair traits.* 4@4, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- Oct 2016 *Climatic and anthropogenic effects on African mammal macroecology.* Graduate Program in Organismic and Evolutionary Biology Seminar Series, University of Massachusetts Amherst.
- Apr 2016 *The ecology and evolution of primate biodiversity.* BioTAP Seminar Series, Commonwealth Honors College, University of Massachusetts Amherst.
- Mar 2015 *Climatic and anthropogenic effects on African mammal macroecology.* Program in Spatial Biodiversity Science and Conservation, Yale University.
- Nov 2014 *Comparative approaches to understanding primate behavior, ecology, and evolution.* Department of Anthropology, University of Massachusetts Amherst.
- Jan 2014 *Comparative approaches to understanding the evolution of primate behavior and ecology.* School of Anthropology, University of Arizona.

- Feb 2013 *Comparative approaches to understanding primate behavior and ecology.* Department of Anthropology, East Carolina University.
- Feb 2013 *Ecology and evolution of primate hair coloration.* Department of Sociology, Anthropology, and Philosophy, Northern Kentucky University.
- Nov 2012 *The ecology and evolution of primate hair coloration.* Department of Anatomy, Arizona College of Osteopathic Medicine, Midwestern University.
- Apr 2011 *Comparative and molecular approaches to understanding primate diversity.* Department of Anthropology, Florida Atlantic University.
- Mar 2011 *Comparative and molecular approaches to understanding primate coloration.* Comparative Primatology Research Group, Department of Human Evolutionary Biology, Harvard University.
- Jul 2010 *Ecological and evolutionary perspectives on primate biodiversity.* Jetz Research Group, Department of Ecology and Evolutionary Biology, Yale University.
- Feb 2010 *Comparative approaches to understanding primate diversity.* School of Anthropology, University of Arizona.
- Feb 2010 *Comparative approaches to understanding primate diversity.* Department of Anthropology, Yale University.
- Feb 2009 *A comparative approach to understanding the behavioral and ecological diversity of primates.* Department of Anthropology, California State University, Los Angeles.
- Feb 2009 *Using GIS and phylogenetic analyses to examine macroecological patterns in primates.* Population Biology Seminar Series, Duke University.
- Jun 2008 *Anthropogenic impacts on current biodiversity loss.* Department of Biology, Kutztown University of Pennsylvania.
- Mar 2008 *Geographic variation in primate behavior and ecology: A comparative approach.* Department of Anthropology, CUNY Hunter College.
- Feb 2008 *Biogeographic variation in primate behavior and ecology.* Department of Anthropology, SUNY Buffalo State College.
- Feb 2007 *Geographic variation in primate ecology: A climatic and evolutionary perspective.* Evolution, Ecology, and Population Biology Group, Washington University, St. Louis.
- Dec 2005 *How do environmental and historical effects shape primate communities?* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.
- Aug 2005 *Environmental and historical effects on the composition of anthropoid primate communities.* Primate Interest Group, University of California, Berkeley.

ORGANIZED CONFERENCES

Nov 2019 *Northeastern Evolutionary Primatologists Annual Meeting*. University of Massachusetts Amherst.

ORGANIZED SYMPOSIA

Apr 2013 *Understanding Primate Communities Across Spatial, Temporal and Phylogenetic Scales*. Podium Session at the Annual Meeting of the American Association of Physical Anthropologists. Co-organized with Kaye Reed (Arizona State University) and Lydia Beaudrot (UC Davis).

ORGANIZED WORKSHOPS

May 2016 *Workshop on Owl Monkey Behavior, Ecology, and Evolution*. Funded by Yale University's Edward J. and Dorothy Clarke Kempf Memorial Fund (\$15,000). Co-organized with Eduardo Fernandez-Duque (Yale University) and Brenda Bradley (George Washington University).

SYMPOSIUM AND WORKSHOP PARTICIPATION

May 2014 Instructor at *The AnthroTree Workshop*. A three-day course that provides hands-on experience to evolutionary anthropologists interested in learning phylogenetic comparative methods. Organized by Charles Nunn (Duke University) and funded by the National Science Foundation.

May 2014 Participant at the *Comparative Primatology: Data Collection, Storage, and Analysis Workshop*. Department of Evolutionary Anthropology, Duke University. Organized by Charles Nunn (Duke University).

Dec 2012 Invited speaker at the *Primate Society of Great Britain Meeting: Primate Biogeography*. Talk title: *The biogeography of primate communities: Ecological and evolutionary perspectives*. Organized by Sarah Elton (Durham University) and Helen Chatterjee (University College London).

Dec 2011 Invited speaker at the *8th Göttinger Freilandtage: Behavioral Constraints and Flexibility*. Talk title: *Phylogenetic signal in primate behavior, ecology, and life history*. Organized by Peter Kappeler (Göttingen University and German Primate Center).

Jun 2010 Instructor at *The AnthroTree Workshop*. A three-day course that provides hands-on experience to evolutionary anthropologists interested in learning phylogenetic comparative methods. Organized by Charles Nunn (Harvard University) and funded by the National Science Foundation.

Apr 2010 Discussant at the *Lemur Senescence Symposium*. Department of Anthropology, Yale University. Organized by Richard Bribiescas (Yale University).

2009 - 2013 Member of the *Evolutionary Shifts in Vertebrate Visual Ecology and Visual System Morphology* working group. Funded by the National Evolutionary

Synthesis Center (NESCent), Durham, North Carolina. Organized by Christopher Heesy, Margaret Hall (Midwestern University), and Andrew Iwaniuk (University of Lethbridge).

TEACHING EXPERIENCE

Instructor of Record

Human Origins and Variation (undergraduate lecture and lab)
 Introduction to Anthropology (undergraduate lecture)
 Introduction to Biological Anthropology (undergraduate lecture and lab)
 Introduction to Human Evolution (undergraduate lecture)
 Microbiome Diversity in Humans and other Primates (undergraduate honors seminar)
 Primate Behavior (undergraduate lecture)
 Primate Evolution (undergraduate lecture and lab)
 Statistics in Anthropology Using R (undergraduate lecture and lab)

Advanced Primate Ecology and Evolution (graduate seminar)
 Advanced Quantitative Methods (graduate seminar)
 Primate Biogeography (graduate seminar)
 Primate Community Ecology (graduate seminar)
 Primate Conservation (graduate seminar)
 Quantitative Methods in Evolutionary Anthropology (graduate seminar)

Teaching Assistant and Lab Instructor

Applied Anthropology (undergraduate lecture)
 Introduction to Biological Anthropology (undergraduate lecture and lab)
 Introduction to Human Evolution (undergraduate lecture)
 Introduction to Physical Anthropology (undergraduate lecture and lab)

Guest/Other University Teaching Activities

2024 *Comparative Primatology Lab Tour*. Hosted the UMass Anthropology Club for a discussion and tour of the lab's research and teaching activities.

2024 *Thinking about Graduate School in Evolutionary Biology?* Course title: Life after Biology (advanced undergraduate course). Department of Biology, University of Massachusetts Amherst.

2018 *Phylogenetics and Comparative Methods in Evolutionary Biology*. Course title: Evolution Core Course (graduate seminar). Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst.

2013 *Phylogenetic Comparative Methods in Evolutionary Biology*. Course title: Macroevolution (graduate seminar). Department of Anatomy, Midwestern University.

2010 *Using Phylogenies in Biological Anthropology*. Course title: Primate Molecular Ecology and Evolution (advanced undergraduate course). Department of Anthropology, Yale University.

- 2010 *What is Evolution?* Course title: Primate Molecular Ecology and Evolution (advanced undergraduate course). Department of Anthropology, Yale University.
- 2009 *Genetics and Agriculture: Past and Present.* Course title: Molecular Anthropology (intermediate undergraduate course). Department of Anthropology, Yale University.

POSTDOCTORAL ADVISING

- 2023 - 2025 Co-Advisor for Dr. Jacob Feder (PhD from Stony Brook University).
- 2023 - 2025 Advisor for Dr. Sharmi Sen (PhD from University of Michigan).
- 2018 - 2020 Advisor for Dr. John Rowan (PhD from Arizona State University). Current Position: Assistant Professor, Department of Archaeology, University at Cambridge (UK).

DOCTORAL DISSERTATION ADVISING AND COMMITTEE MEMBERSHIP (CURRENT)

- 2024 - Advisor for Diego Stokes-Malavé, Department of Anthropology, University of Massachusetts Amherst.
- 2023 - Advisor for Allyson Schmidt, Department of Anthropology, University of Massachusetts Amherst.
- 2022 - Advisor for Laura Haynes, Department of Anthropology, University of Massachusetts Amherst.
- 2019 - Advisor for Catherine Kitrinos, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *Bats, Baboons, and Berries: Microbial Transmission at Kasanka National Park*. Funded by an NSF-DDRIG and the Leakey Foundation.
- 2019 - Co-Advisor (with Todd Disotell) for Thomas Wilson, Department of Anthropology, University of Massachusetts Amherst.
- 2017 - Advisor for Amanda Fuchs, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *The effects of food and water on Kinda baboon (Papio kindae) movement ecology and gut microbiome diversity*. Funded by an NSF-DDRIG and the Leakey Foundation.
- 2016 - Advisor for Andrew Zamora, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *Socio-genomic evolution of sifakas (Propithecus)*. Funded by an NSF-DDRIG and the Leakey Foundation.
- 2024 - Committee member for Min Hein Htike, Department of Environmental Conservation, University of Massachusetts Amherst. Advisor: Drs. Curtis Griffin and Todd Fuller.

- 2023 - Committee member for Leticja Flamuraj, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Advisor: Dr. R. Craig Albertson.
- 2023 - Committee member for Katherine Rickelton, Graduate Program in Molecular and Cellular Biology, University of Massachusetts Amherst. Advisor: Dr. Courtney Babbitt.
- 2019 - Committee member for Christopher Claypool, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Advisor: Dr. Courtney Babbitt.

DOCTORAL DISSERTATION ADVISING AND COMMITTEE MEMBERSHIP (COMPLETED)

- 2017 - 2023 Advisor for Rachel Bell, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *The impacts of environment and host evolutionary relationships on lemur microbiota*. Funded by an NSF-DDRIG and the Leakey Foundation. Currently a Postdoctoral Researcher in Prof. Todd Disotell's Lab.
- 2017 - 2023 Advisor for Anna Weyher, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *The behavior and ecology of Kinda baboons (Papio kindae) at Kasanka National Park, Zambia*. Currently Director of the Kasanka Baboon Project.
- 2016 - 2021 Advisor for Andrew Best, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *Evolution and diversity of human eccrine sweat glands*. Funded by the Leakey Foundation and the Wenner-Gren Foundation. Currently an Assistant Professor in the Biology Department at the Massachusetts College of Liberal Arts.
- 2023 - 2024 Committee member for Margaret Hilliard, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *Population- and community-level investigation of human milk oligosaccharide structure on Bifidobacterium longum subsp. infantis phenotype*. Advisor: Dr. David Sela.
- 2019 - 2023 Committee member for Peteneinu Rulu, Department of Anthropology, University of Massachusetts Amherst. Dissertation Title: *Sociocultural and familial factors associated with symptom experience at midlife among women in Nagaland, India*. Advisor: Dr. Lynnette Leidy Sievert.
- 2018 - 2023 Committee member for Jacob Barnett, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *The wild tomato clade offers insights into fleshy fruit trait evolution at the phenotypic and molecular scales*. Advisor: Dr. Ana Caicedo.
- 2021 - 2022 Committee member for Michael S. Griego, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation

Title: *Flexible phenotypes, energetics, and whole-animal performance of migratory songbirds*. Advisor: Dr. Alexander Gerson.

- 2018 - 2022 Committee member for Michelle C. Gilbert, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *Constraints of the imagination: How phenotypes are shaped through genetics, the environment, and development*. Advisor: Dr. R. Craig Albertson.
- 2019 – 2021 Committee member for Kadambari Devarajan, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *Monitoring mammals at multiple scales: Case studies from carnivore communities*. Advisor: Dr. Toni Lyn Morelli.
- 2017 - 2021 Committee member for Abby Vander Linden, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *Functional morphology, biomechanics, and evolution of ruminant mammals*. Advisor: Dr. Elizabeth Dumont.
- 2017 - 2021 Committee member for Elizabeth Tapanes. Center for the Advanced Study of Human Paleobiology, The George Washington University. Dissertation Title: *The impact of ecology, demography, and genetics on primate pelage*. Advisor: Dr. Brenda Bradley.
- 2016 – 2021 Committee member for Nereyda Falconi, Department of Environmental Conservation, University of Massachusetts Amherst. Dissertation Title: *Data access, distribution models, and stable isotopes: Merging approaches to improve bear distribution estimates and bear carnivory for conservation*. Advisor: Dr. John Organ.
- 2017 - 2020 Committee member for Tanya Lama, Department of Environmental Conservation, University of Massachusetts Amherst. Dissertation Title: *Conservation genomics of the threatened Canada lynx (*Lynx canadensis*) in the Northern Appalachian-Acadian ecoregion*. Advisors: Drs. Stephen DeStefano and John Organ.
- 2017 - 2020 Committee member for Victor Montalvo, Department of Environmental Conservation, University of Massachusetts Amherst. Dissertation Title: *Environmental drivers of jaguar distribution, activity, and abundance in Santa Rosa National Park, Costa Rica*. Advisor: Dr. Todd Fuller.
- 2016 - 2020 Committee member for Amanda McGrosky, School of Human Evolution and Social Change, Arizona State University. Dissertation Title: *Hard tissue correlates of primate growth rate variation*. Advisor: Dr. Gary Schwartz.
- 2016 - 2019 Committee member for Trisha Zintel, Molecular and Cellular Biology Program, University of Massachusetts Amherst. Dissertation Title: *De-coding the impact of evolved changes in gene expression and cellular phenotype on primate evolution*. Advisor: Dr. Courtney Babbitt.

- 2017 - 2018 Committee member for Moira (Concannon) Conith, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *An integrative approach to understanding morphological novelties: Anatomy, development, genetics and evolution of an extreme craniofacial trait in East African cichlids*. Advisor: Dr. R. Craig Albertson.
- 2016 - 2017 Committee member for Andrew (Smith) Conith, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. Dissertation Title: *The role of phenotypic integration in mammalian tooth function and jaw morphological diversity*. Advisor: Dr. Elizabeth Dumont.
- 2010 - 2014 External committee member for Lydia Beaudrot, Department of Anthropology and Graduate Group in Ecology, University of California, Davis. Dissertation Title: *The relative role of niche differentiation in structuring tropical forest vertebrate communities across spatial scales*. Advisor: Dr. Andrew Marshall.

DOCTORAL STUDENT COMPREHENSIVE EXAM COMMITTEE MEMBERSHIP

- 2017 - Present Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst
13 students: David Farris, João C. T. Menezes, Kimberly Acevedo, Christopher Claypool, Margaret Hilliard, Jaime Adkins Stoll, Katie M. Schroeder, Jacob R. Barnett, Rachel Bell, Kadambari Devarajan, Michelle C. Gilbert, Michael S. Griego, Abby Vander Linden
- 2017 - Present Department of Environmental Conservation, University of Massachusetts Amherst
Four students: Min Hein Htike, Tanya Lama, Victor Montalvo, Nereyda Falconi

MASTER'S THESIS ADVISING AND COMMITTEE MEMBERSHIP

- 2023 - 2024 Advisor for Allyson Schmidt, Department of Anthropology, University of Massachusetts Amherst. Thesis title: *Who's eating what: A molecular diet analysis of Papio kindae and Eidolon helvum in Kasanka National Park*.
- 2022 - 2024 Advisor for Laura Haynes, Department of Anthropology, University of Massachusetts Amherst. Thesis title: *Human impacts and diet influence mammal gut microbiomes based on natural history collections*.
- 2022 - 2023 Committee member for Jahiya Clark, Department of Environmental Conservation, University of Massachusetts Amherst. Advisor: Dr. Toni Lyn Morelli. Thesis title: *Adaptive silviculture for wildlife: Supporting forest biodiversity through forest climate adaptation*.
- 2019 - 2021 Advisor for Catherine Kitrinis, Department of Anthropology, University of Massachusetts Amherst. Thesis title: *Factors influencing primate hair microbiome diversity*.

- 2019 - 2020 Committee member for Sofiya Shreyer, Department of Anthropology, University of Massachusetts Amherst. Advisor: Dr. Lynnette Leidy Sievert. Thesis title: *Grandmotherhood in Ukraine: Behavioral variation, health, and evolutionary implications*
- 2018 - 2019 External reader for Alexandra Louppova, Department of Anthropology, CUNY Hunter College. Advisor: Dr. Andrea Baden. Thesis Title: *Environmental variation and primate alloparental care.*
- 2016 - 2017 External reader for Amanda Fuchs, Department of Anthropology, CUNY Hunter College. Advisor: Dr. Christopher Gilbert. Thesis Title: *Ecological niche modeling of the genus Papio.*
- 2014 - 2015 Committee member for Ellis Locke, School of Human Evolution and Social Change, Arizona State University. Advisor: Dr. Kaye Reed. Thesis Title: *Phylogenetic signal in climatic niche and climatic niche breadth of catarrhine primates.*

UNDERGRADUATE HONORS THESIS ADVISING AND COMMITTEE MEMBERSHIP

- 2023 - 2024 Advisor for Sneha Magesh, Department of Biology, University of Massachusetts Amherst. Thesis Title: *Investigating the core microbiome of straw-colored fruit bats (Eidolon helvum) from Kasanka National Park.*
- 2022 - 2023 Advisor for Siddhi Bramhe, Department of Microbiology, University of Massachusetts Amherst. Thesis Title: *A community phylogenetic approach to understanding primate hair microbiome diversity.*
- 2021 - 2022 Advisor for Arya Kunaparaju, Department of Anthropology, University of Massachusetts Amherst. Thesis Title: *Evaluating the impact of abiotic and biotic variables on the distribution of Neotropical primates using ecological niche modeling.*
- 2021 External reader for Hannah Jacobson, Department of Anthropology and Ensonian Scholars Program, The George Washington University. Thesis Title: *Past, present, and future: How the evolution of the human gut microbiome can inform modern health and disease.* Advisor: Dr. Brenda Bradley.
- 2019 - 2021 Advisor for Rebecca Leduc, Department of Microbiology, University of Massachusetts Amherst. Thesis Title: *Primate hair color and microbiome diversity.*
- 2017 - 2019 Co-Advisor for Eric Wuesthoff, Department of Environmental Conservation, University of Massachusetts Amherst. Thesis Title: *Mouse lemur habitat use in the Mahamavo forest along a dry forest – mangrove gradient.*
- 2016 Advisor for Maia Batista, Department of Anthropology, University of Massachusetts Amherst. Thesis Title: *Effects of anthropogenic and climatic variables on the distribution of bamboo lemurs.*

RECENT PRESENTATIONS AT PROFESSIONAL CONFERENCES (*indicates student co-author; 106 presentations between 2003 and 2020 are not listed here)

- 2025 Fuchs AJ*, Schmidt A*, Mubemba B, Petersdorf M, Katinta M, Schneider-Crease IA, Chiou KL, Weyher AH, **Kamilar JM**. Comparing behavioral observations and the *trnL* chloroplast gene to infer the plant diet of Kinda baboons in Kasanka National Park, Zambia. *American Journal of Biological Anthropology*.
- 2025 Haynes L*, **Kamilar JM**. Of mammals and museums: Utilizing collections to assess anthropogenic influences in the gut microbiome. *American Journal of Biological Anthropology*.
- 2025 Kitrinos CE*, Mubemba B, Petersdorf M, Katinta M, Schneider-Crease IA, Chiou KL, Weyher AH, **Kamilar JM**. Microbiome diversity in bats, Kinda baboons, and berries at Kasanka National Park, Zambia during the world's largest seasonal migration. *American Journal of Biological Anthropology*.
- 2025 Schmidt A*, Kitrinos CE*, Fuchs AJ*, Mubemba B, Petersdorf M, Katinta M, Schneider-Crease IA, Chiou KL, Weyher AH, **Kamilar JM**. Sequencing plant DNA to understand diet diversity and overlap of *Papio kindae* and *Eidolon helvum* at Kasanka National Park. *American Journal of Biological Anthropology*.
- 2025 Sen S, Mubemba B, Petersdorf M, Katinta M, Schneider-Crease IA, Chiou KL, Weyher AH, **Kamilar JM**. Examining wild Kinda baboon microbiome diversity using a metagenomic approach. *American Journal of Biological Anthropology*.
- 2024 **Kamilar JM**. 2024. My evolving understanding of primate communities with Kaye Reed. *American Journal of Biological Anthropology* 183 (S77): 83.
- 2024 Rowan J, Du A, Lundgren EJ, Faith JT, Beaudrot L, Campisano CJ, Joordens J, Lazagabaster IA, Locke EM, Smail IE, Reed KE, **Kamilar JM**. 2024. Biogeographic evolution of eastern African mammal faunas over the last 6 Myr. *American Journal of Biological Anthropology* 183 (S77): 153.
- 2023 Kitrinos C*, Bell RB*, Magesh S*, Bradley BJ, **Kamilar JM**. Does hair length or number explain variation in primate hair microbiome diversity? *American Journal of Biological Anthropology* 180 (S75): 92.
- 2023 Schneider-Crease I, Weyher AH*, Mubemba B, **Kamilar JM**, Petersdorf M, Chiou KL. Stronger maternal social bonds and higher rank are associated with accelerated infant maturation in Kinda baboons. *American Journal of Biological Anthropology* 180 (S75): 157-158.
- 2022 Bell RB*, Lawler RR, Ratsirarson J, Ranaivonasy J, Leduc R*, **Kamilar JM**. The hair microbiome of wild lemurs: functional insights from shotgun metagenomics. *American Journal of Biological Anthropology* 177 (S73): 13.

- 2022 Best AW, Lieberman DE, **Kamilar JM**. The slippery relationship between eccrine gland density, sweat production and heat dissipation in humans. *American Journal of Biological Anthropology* 177 (S73): 16.
- 2022 Fuchs AJ*, Bell RB*, Kunaparaju A*, Rowan J, Beaudrot L, Reed KE, **Kamilar JM**. Using ecological niche modeling to assess how frugivorous non-primate mammals impact frugivorous primate distributions on a global scale. *American Journal of Biological Anthropology* 177 (S73): 63-64.
- 2022 Gold CL*, Kitrinos C*, Sievert LL, **Kamilar JM**. Geospatial distribution in age at menarche. *American Journal of Biological Anthropology* 177 (S73): 70.
- 2022 **Kamilar JM**, Bradley BJ. The ecology and evolution of primate hair. *American Journal of Biological Anthropology* 177 (S73): 94.
- 2022 Kitrinos C*, Bell RB*, Magesh S*, Bradley BJ, **Kamilar JM**. Is there a core primate hair microbiome? *American Journal of Biological Anthropology* 177 (S73): 98.
- 2022 Tapanes E, Lasisi T, **Kamilar JM**, Bradley BJ. Genomics and cellular biology of the primate pigmentation: lessons from other taxa. *American Journal of Biological Anthropology* 177 (S73): 178.
- 2021 Bell RB*, Lawler RR, Ratsirarson J, Ranaivonasy J, **Kamilar JM**. Characterizing wild lemur microbiomes across multiple body regions in southwest Madagascar. *American Journal of Physical Anthropology* 174 (S71): 9.
- 2021 Claypool CG*, Zintel TM, Pizzollo J, **Kamilar JM**, Ely JJ, Raghanti MA, Hopkins WD, Hof PR, Sherwood CC, Bauernfeind AL, Babbitt CC. Evolution of the primate prefrontal cortex transcriptome. *American Journal of Physical Anthropology* 174 (S71): 19-20.
- 2021 Fuchs AJ*, **Kamilar JM**. Microbiome diversity in Kinda baboons and their water resources. *American Journal of Physical Anthropology* 174 (S71): 35-36.
- 2021 **Kamilar JM**, Weyher AH*, Petersdorf M*, Chiou KL, Schneider-Crease I. Maternal rank and infant development of Kinda baboons at Kasanka National Park, Zambia. *American Journal of Physical Anthropology* 174 (S71): 53.
- 2021 Kitrinos C*, Bell RB*, Bradley BJ, **Kamilar JM**. Hair microbiome diversity within and across 12 primate species. *American Journal of Physical Anthropology* 174 (S71): 56.
- 2021 Tapanes E*, Jacobs RL, Harryman I, Louis EE, Irwin MT, **Kamilar JM**, Bradley BJ. Ecology and opsin variation drives the evolution of hair phenotypes across Indriidae lemurs – implications for human evolution. *American Journal of Physical Anthropology* 174 (S71): 102.

MEDIA COVERAGE

- Feb 2025 [“Morning lark or night owl? Prevailing ideas of mammal activity are outdated”](#)
– Popular Science
- Feb 2025 [“Can guys and girls really just be friends? Ask these baboons.”](#) – National Geographic
- Feb 2025 [“Among baboons, UMass anthropologists find male Kindas in unique relationships with females”](#) – New England Public Media
- Feb 2025 [“Can Men and Women \(Baboons\) Really Just Be Friends?”](#) – Science Friday
- Feb 2025 [“A kinder, gentler social life: How Kinda baboons redefine primate friendships”](#)
– University of Massachusetts News
- Jul 2024 [“New study captures 6M years of African mammal fossil history”](#) – *Arizona State University News*
- Jul 2024 [“Researchers elucidate biogeographic context of human evolution in East African Rift System”](#) – *MSN.com*
- Jul 2024 [“The effects of climate change on early human evolution”](#) - *College of Social & Behavioral Sciences, UMass Amherst*
- Aug 2023 Quoted in [“We must learn to love our sweat”](#) - *The Atlantic*
- Mar 2023 Quoted in [“Females are not smaller than males in most mammal species”](#) - *New Scientist*
- Aug 2022 [“New study by UMass researchers examines microbiome diversity across primate species”](#) – UMass News & Media Relations
- Mar 2022 [“The secret to great hair? Evolution”](#) – SYFY Wire
- Mar 2022 [“New study sheds light on human hair evolution”](#) - UMass News & Media Relations; Front page of www.umass.edu
- Jul 2021 Quoted in [“The hairy origins of our sweat glands”](#) - by Sarah Everts in Science Friday
- Oct 2020 Quoted in [“Fact-checking On The Rocks’ dubious dad wisdom”](#) – A24 Films Notes
- Aug 2020 [“Chimp off the old block: For chimpanzees, grey hair is not a sign of ageing”](#) – The Focus
- Jul 2020 [“A chimp's gray hair doesn't have much to do with age”](#) – Treehugger
- Jul 2020 [“Les cheveux gris ne sont pas un signe de vieillissement chez les chimpanzés”](#)
(Gray hair is not a sign of aging in chimpanzees) – Yahoo News France

- Jul 2020 [“Chimpansee met veel grijze haren hoeft niet per se heel oud te zijn”](#)
(Chimpanzees with a lot of gray hair do not necessarily have to be very old) –
Scientias, The Netherlands
- Jan 2020 [“Connecting the prehistoric past to the global future”](#) – National Science
Foundation Research News
- Dec 2019 [“New research finds the ‘ancient past’ matters as much as present climate and
human impacts in explaining global biodiversity patterns”](#) - UMass News &
Media Relations; Front page of www.umass.edu
- Dec 2019 [“Connecting the prehistoric past to the global future”](#) - EurekAlert!
- Jul 2019 Quoted in and research featured in [“Cool down with the slick science of sweat”](#)
- NOVA PBS
- Sep 2018 Quoted in [“Human gene mutation may have paved the way for long-distance
running”](#) – Smithsonian
- Sep 2018 Quoted in [“This broken gene may have turned our ancestors into
marathoners—and helped humans conquer the world”](#) – Science
- Summer
2018 [“Gonna make you sweat”](#) - UMass, the Magazine of the University of
Massachusetts Amherst
- Mar 2018 [“New study from UMass Amherst anthropologists examines the evolution of
mammalian perspiration”](#) - UMass News & Media Relations; Front page of
www.umass.edu
- Dec 2017 [“Kamilar appointed Editor-in-Chief of Evolutionary Anthropology”](#) - Inside
UMass
- Nov 2016 [“New anthropology findings at UMass”](#) - The Recorder
- Oct 2016 [“Anthropologist finds past climates more important to species’ distribution than
modern climate”](#) – Inside UMass
- Oct 2016 [“Past climate linked to mammal communities in Africa today”](#) – Archaeology
News Network
- Oct 2016 [“Past climate linked to mammal communities today”](#) - EurekAlert!
- Oct 2016 “Past climate, not current changes, key to some mammal communities” –
ClimateWire
<http://www.eenews.net/climatewire/2016/10/05/stories/1060043850>
- Dec 2013 “Humans and chimps share cultural roots, study says” – Los Angeles Times
[http://www.latimes.com/science/sciencenow/la-the-original-culture-vulture-
chimps-and-humans-share-behavior-roots-20131209,0,5582446.story](http://www.latimes.com/science/sciencenow/la-the-original-culture-vulture-chimps-and-humans-share-behavior-roots-20131209,0,5582446.story)

- Dec 2013 [“Researchers find that cultural evolution is similar for humans and chimpanzees”](#) – Arizona State University News
- Dec 2013 [“Kultur: Wissen verbreitet sich bei Schimpanse und Mensch gleich”](#) (Culture: knowledge spreads equally in chimpanzees and humans) - Der Spiegel Online
- Dec 2013 [“Kultur gibt's auch im Affenreich”](#) (Culture is also in the ape kingdom) – *German Public Broadcasting WDR5 Leonardo*
- Dec 2013 [“Alle origini della capacità di evoluzione culturale”](#) (The origins of the capacity of cultural evolution) - *Scientific American Italian Edition*
- Oct 2013 Quoted in [“Afraid of snakes? Your pulvinar may be to blame”](#) – *New York Times*
- Feb 2013 [“The nocturnal mammalian eye”](#) – *Academic Minute on Northeast Public Radio*
- Dec 2012 [“Did trichromatic color vision and red hair color co-evolve in primates?”](#) – *Featured article on the American Society of Primatologists website*
- Oct 2012 [“New study shows effects of prehistoric nocturnal life on mammalian vision”](#) – *Science Daily*
- Feb 2012 [“The debate over dinosaur sight”](#) – *Smithsonian Magazine’s Dinosaur Tracking Blog*
- Aug 2011 Quoted in [“The cultured chimpanzees”](#) – *Nature*
- Jun 2011 [“Snake-spotting theory brings primate vision into focus”](#) – *Smithsonian Magazine, Surprising Science Blog*
- Mar 2011 [“Can you see the monkey up there”](#) - Dr. Jerry Coyne’s (U. Chicago) blog associated with his book, *Why Evolution is True*
- Dec 2008 [“More walking leads to more offspring”](#) - *United Press International*
- Dec 2008 [“Increased daily travel in animals leads to more offspring”](#) - *Newswise*

PROFESSIONAL SERVICE

- 2025 Panelist, National Science Foundation, SBE Office of Multidisciplinary Activities
- 2024 - 2025 Member, American Association of Biological Anthropologists Program Committee for the 2025 Annual Meeting
- 2024 Member, American Association of Biological Anthropologists Professional Development Committee
- 2023 - 2027 Editorial Board Member, *American Journal of Biological Anthropology*
- 2022 - Present External Reviewer of Faculty Tenure and Promotion Applications for: Boston University, Cornell University, The George Washington University, Tufts

University, University of Connecticut, University of Illinois Urbana-Champaign, University of Michigan, The University of Texas at San Antonio, Western University of Health Sciences

- 2017 - 2023 Editor-in-Chief, *Evolutionary Anthropology*
- Spr 2016, Fall 2016, Fall 2017 Panelist, National Science Foundation, Biological Anthropology Program
- 2015 - 2017 Associate Editor, *Journal of Human Evolution*
- 2013 - 2018 Academic Editor, *PLoS ONE*
- 2013 - 2014 Guest Editor, *International Journal of Primatology*
- 2011 Panel Member, Employment Roundtable at the American Association of Physical Anthropologists Meeting
- 2009 Session Chair, "Primatology. Communities, growing up, reproduction, life history and ecology", American Association of Physical Anthropologists Meeting
- 2007 - 2015 Student Awards Committee, American Association of Physical Anthropologists
- 2005 - Present Manuscript reviewer for: *Acta Theriologica; Adaptive Behavior; African Primates; American Journal of Human Biology; American Journal of Physical Anthropology; American Journal of Primatology; The American Naturalist; Animal Behaviour; Animal Conservation; Animal Microbiome; Behavioral Ecology; Behavioral Ecology and Sociobiology; Behaviour; Biological Conservation; Biological Journal of the Linnean Society; Biology Letters; Biotropica; Cambridge University Press; Communications Biology; Diversity; Ecography; Ecological Applications; Ecology and Evolution; Ecology Letters; Ecosphere; eLife; Evolution; Evolution and Human Behavior; Evolutionary Anthropology; Folia Primatologica; Functional Ecology; Global Change Biology; Global Ecology and Biogeography; International Journal of Primatology; Journal of Animal Ecology; Journal of Biogeography; Journal of Human Evolution; Journal of Thermal Biology; Journal of Tropical Ecology; Journal of Zoology; Mammalian Biology; Methods in Ecology and Evolution; Molecular Phylogenetics and Evolution; Nature Climate Change; Nature Communications; Nature Ecology and Evolution; npj Biofilms and Microbiomes; Oecologia; Oikos; Oxford University Press; PeerJ; PLoS ONE; Primate Biology; Primates; Proceedings of the National Academy of Sciences USA, Proceedings of the Royal Society B; Rowman & Littlefield Publishers; Science Advances; Scientific Data; Scientific Reports; Springer's Developments in Primatology Series, Springer's Vertebrate Paleobiology and Paleoanthropology Series*
- 2001 - Present Grant reviewer for: American Society of Primatologists' Conservation Grant, Deutsche Forschungsgemeinschaft (German Research Foundation), Deutscher Akademischer Austauschdienst (German Academic Exchange Service),

Graduate Women in Science National Fellowship, Leakey Foundation, Lincoln Park Zoo Africa/Asia Conservation Fund, National Environment Research Council (United Kingdom), National Geographic Society, National Research Foundation (South Africa), National Science Foundation (USA), Natural Sciences and Engineering Research Council of Canada, Swiss National Science Foundation

2002 - 2008 Conservation Committee, American Society of Primatologists

UNIVERSITY SERVICE

- 2023 -2025 Member, Admissions Committee, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst
- 2023 Member, Search Committee for the Director of the Data Analytics in Computational Social Science Program, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- 2023 Member, Data Analytics in Computational Social Science Transition Plan Ad Hoc Committee, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- 2023, 2024 Panelist at the College of Social and Behavioral Sciences New Faculty Workshop on Academic Publishing, University of Massachusetts Amherst
- 2022 Guest Speaker at the Graduate Program Director's LEAD Workshop Series, Graduate School, University of Massachusetts Amherst
- 2021 Reviewer for the Return to Research Grant Program, Graduate School, University of Massachusetts Amherst
- 2020, 2021 Guest Speaker at Funding Fridays, Institute for Social Science Research, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- 2019 - 2022 Member, Institute for Social Science Research Advisory Board, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- Oct 2018 Guest Speaker at the Meeting for New Faculty Development, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- Sep 2018 Guest Speaker at an Institute for Social Science Research Fellows Meeting, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- 2018 - 2022 Member, College of Social and Behavioral Sciences Dean's Research Council, University of Massachusetts Amherst
- 2018 - 2019 Member, Graduate School Grant Committee, University of Massachusetts Amherst

- Spring & Fall 2018 Reviewer for the Faculty Research Grant/Healey Endowment Grant, University of Massachusetts Amherst
- 2017 - 2023 Seminar Series Committee Member, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst
- 2017 - Present Member, Data Analytics in Computational Social Science Governance Board, College of Social and Behavioral Sciences, University of Massachusetts Amherst
- Fall 2016 Member, Search Committee for Program Coordinator II, Interdepartmental Graduate Programs in the Life Sciences, University of Massachusetts Amherst
- Summer 2016 Member, Search Committee for Program Coordinator I, Interdepartmental Graduate Programs in the Life Sciences, University of Massachusetts Amherst
- 2013 - 2015 Institutional Review Board Member, Midwestern University

DEPARTMENT SERVICE

- 2024 - 2025 Graduate Program Director, Department of Anthropology, University of Massachusetts Amherst
- 2021 - 2024 Leader, Faculty Group Developing a Bachelor of Science Program, Department of Anthropology, University of Massachusetts Amherst
- 2020 - 2023 Graduate Program Director, Department of Anthropology, University of Massachusetts Amherst
- 2019 - 2020 Search Committee Chair for Tenure Track Position in Disease Ecology, Department of Anthropology, University of Massachusetts Amherst
- 2019 - 2020 Member, Graduate Studies Committee, Department of Anthropology, University of Massachusetts Amherst
- 2018 - 2019 Member, Personnel Committee, Department of Anthropology, University of Massachusetts Amherst
- Summer 2018, 2021 - 2023 Acting Department Chair, Department of Anthropology, University of Massachusetts Amherst
- 2018 - 2019 Member, Academic Quality and Development Committee, Department of Anthropology, University of Massachusetts Amherst
- 2017 - 2018 Seminar Series Coordinator, Department of Anthropology, University of Massachusetts Amherst
- 2017 Search Committee Member for Chief Undergraduate Advisor, Department of Anthropology, University of Massachusetts Amherst
- 2016 - 2019 Curriculum Committee Member, Department of Anthropology, University of Massachusetts Amherst

2015 - 2016 Annual Faculty Review Subcommittee, Department of Anthropology, University of Massachusetts Amherst

PUBLIC SCIENCE AND OUTREACH

2024 Hartsbrook Academy (High school students), Hadley, MA

2019 - 2021 Lives of Scientists Project, Shutesbury Elementary School (5th grade), Shutesbury, MA

2018, 2019 Baystate Academy Charter Public School, Science Exploration Day, Springfield, MA

2018, 2019, 2023 Crocker Farm Elementary School's Lemur Day, Amherst, MA

2018, 2019 Girls Inc., Eureka! Program, Springfield, MA

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science

American Association of Anthropological Genetics

American Association of Biological Anthropologists (Lifetime member)

Society for the Study of Evolution