

W. Andrew Barr - Curriculum Vitae

Department of Anthropology
Center for the Advanced Study of Human Paleobiology
The George Washington University
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Education

2014 University of Texas at Austin. Ph.D., Anthropology.
2008 University of Texas at Austin. M.A., Anthropology.
2005 Tulane University. B.S., Anthropology and French.

Academic Appointments

2019 - Present Assistant Professor. Department of Anthropology. Center for the Advanced Study of Human Paleobiology. The George Washington University.
2014 - Present Research Associate. Department of Paleobiology. National Museum of Natural History.
2016 - 2019 Visiting Assistant Professor. Department of Anthropology. Center for the Advanced Study of Human Paleobiology. The George Washington University.
2014 - 2016 Postdoctoral Scientist. Department of Anthropology. Center for the Advanced Study of Human Paleobiology. The George Washington University.

Research Grants and Fellowships

2022 Leakey Foundation - Modern African ecosystems as analogues for hominin paleo-landscapes. Role: Co-PI. \$19,876
2021 National Science Foundation - Examining the relationship between an increasingly carnivorous *Homo erectus* and Pleistocene mammal extinctions. Role: PI. \$90,099
2020 National Science Foundation - Collaborative Research: Catching Fire: Pyrotechnology and Ecosystem Change in the Turkana Basin. Role: Co-PI. \$237,661.
2019 National Science Foundation - Collaborative Research: REU Site: Past and Present Human-Environment Dynamics in the Turkana Basin, Kenya. Role: Senior Personnel. \$305,846
2019 National Science Foundation - HRRBAA: Paleontology and paleoanthropology of a potential Late Miocene site in the Laikipia highlands. Role: PI. \$26,581. 2020 and 2021 fieldwork seasons postponed due to COVID-19.
2013 University of Texas at Austin - Named Continuing Fellowship. \$29,000.
2012 Wenner-Gren Foundation - Dissertation Fieldwork Grant. \$13,317.
2007 National Science Foundation - Graduate Research Fellowship. \$90,000.

Peer-Reviewed Journal Articles

32. 2024. Negash EW, Alemseged Z, **Barr WA**, Behrensmeyer AK, Blumenthal SA, Bobe R, Carvalho S, Cerling TE, Chritz KL, McGuire E, Uno KT, Wood BA, Wynn JG. Modern African ecosystems as landscape-scale analogues for reconstructing woody cover and early hominin environments. *Journal of Human Evolution*. 197:103604. [doi:10.1016/j.jhevol.2024.103604](https://doi.org/10.1016/j.jhevol.2024.103604)
31. 2024. **Barr WA**, Wood BA. Spatial sampling bias influences our understanding of early hominin evolution in eastern Africa. *Nature Ecology and Evolution*. 8:2113–2120. [doi:10.1038/s41559-024-02522-5](https://doi.org/10.1038/s41559-024-02522-5)

30. 2024. Anderson, S, Kovarovic K, **Barr WA**. A 3D geometric morphometric analysis of the bovid distal humerus, with special reference to *Rusingoryx atopocranion* (Pleistocene, Eastern Africa). *Journal of Anatomy*. 245:3. 451-466. doi:10.1111/joa.14062
29. 2024 - Powell V, **Barr WA**, Hammond AS, Wood BA. Behavioral and phylogenetic correlates of limb length proportions in extant apes and monkeys: implications for interpreting fossil associated skeletons. *Journal of Human Evolution*. 190:103494. doi:10.1016/j.jhevol.2024.103494
28. 2023. Negash E, **Barr WA**. Relative abundance of grazing and browsing herbivores is not a direct reflection of vegetation structure: Implications for hominin paleoenvironmental reconstruction. *Journal of Human Evolution*. 177:103328 doi:10.1016/j.jhevol.2023.103328
27. 2022. **Barr WA**, Pobiner BL, Rowan J, Du A, Faith JT. No sustained increase in zooarchaeological evidence for carnivory after the appearance of *Homo erectus*. *Proceedings of the National Academy of Sciences*. 119 (5) e2115540119. doi:10.1073/pnas.2115540119
26. 2022. Fraser D, Villaseñor A, Tóth A, Balk M, Eronen JT, **Barr WA**, Behrensmeyer AK, Davis M, Du A, Faith JT, Gotelli NJ, Graves, G, Jukar AM, Looy CV, McGill BJ, Miller JH, Pineda-Munoz S, Potts R, Shupinski AB, Soul LC, and Lyons SK. Late Quaternary Biotic Homogenization of North American Mammalian Faunas. *Nature Communications*. 13:3940. doi:10.1038/s41467-022-31595-8
25. 2021. Robinson JR, Rowan J, **Barr WA**, Sponheimer M. Intrataxonomic trends in herbivore enamel $\delta^{13}\text{C}$ are decoupled from ecosystem woody cover. *Nature Ecology and Evolution*. 5:995–1002. doi:10.1038/s41559-021-01455-7
24. 2021. Geraads D, Reed D, **Barr WA**, Bobe R, Stamos P, Alemseged Z. Plio-Pleistocene mammals from Mille-Logya, Ethiopia, and the post-Hadar faunal change. *Journal of Quaternary Science*. 36:1073-1089. doi:10.1002/jqs.3345
23. 2021. Dumouchel L, Bobe R, Wynn J, **Barr WA**. The environments of *Australopithecus anamensis* at Allia Bay, Kenya: A multiproxy analysis of early Pliocene Bovidae. *Journal of Human Evolution*. 151:102928. doi:10.1016/j.jhevol.2020.102928
22. 2021. Fraser D, Soul LC, Tóth AB, Balk MA, Eronen JT, Pineda-Munoz S, Shupinski AB, Villaseñor A, **Barr WA**, Behrensmeyer AK, Du A, Faith JT, Gotelli NJ, Graves GR, Jukar AM, Looy CV, Miller JH, Potts R, Lyons SK. Investigating biotic interactions in deep time. *Trends in Ecology and Evolution*. 36:61-75, doi:10.1016/j.tree.2020.09.001
21. 2021. Pineda-Munoz S, Jukar AM, Amatangelo K, Balk MA, **Barr WA** Behrensmeyer AK, Blois J, Davis M, Du A, Eronen JT, Fraser D, Gotelli NJ, Looy C, Miller J, Shupinski AB, Soul LC, Tóth AB, Villaseñor A, Wing S, Lyons SK. Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. *Ecography*. 44:56-66. doi:10.1111/ecog.05027
20. 2020. **Barr WA**, Biernat M. Mammal functional diversity and habitat heterogeneity: Implications for hominin habitat reconstruction. *Journal of Human Evolution*. 146:102853. doi:10.1016/j.jhevol.2020.102853
19. 2020. Faith JT, Rowan J, Du A, **Barr WA**. The uncertain case for human-driven extinctions prior to *Homo sapiens*. *Quaternary Research*. 96:88-104. doi:10.1017/qua.2020.51
18. 2020. Alemseged Z, Wynn JG, Geraads D, Reed DN, **Barr WA**, Bobe R, McPherron S, Deino A, Alene M, Sier M, Roman D, Mohan J. Fossils from Mille-Logya, Afar, Ethiopia, shed light on the link between late Pliocene environmental changes and the origin of *Homo*. *Nature Communications*. 11:2480. doi:10.1038/s41467-020-16060-8
17. 2020. Geraads D, Didier G, **Barr WA**, Reed D, Laurin M. The fossil record of camelids demonstrates a late divergence between Bactrian camel and dromedary. *Acta Palaeontologica Polonica*. 65(2):251-260. doi:10.4202/app.00727.2020
16. 2020. **Barr WA**. The morphology of the bovid calcaneus: function, phylogenetic signal, and allometric scaling. *Journal of Mammalian Evolution*. 27:111-121. doi:10.1007/s10914-018-9446-9
15. 2019. Geraads D, **Barr WA**, Reed DN, Laurin M, Alemseged Z.. New remains of *Camelus grattardi* (Mammalia, Camelidae) from the Plio-Pleistocene of Ethiopia and the phylogeny of the genus. *Journal of Mammalian Evolution*. doi:10.1007/s10914-019-09489-2

14. 2019. Tóth, AB, Lyons SK, **Barr WA**, Behrensmeyer AK, Blois JL, Bobe R, Davis M, Du A, Eronen J, Faith JT, Fraser D, Gotelli NJ, Graves GR, Jukar AM, Miller JH, Pineda-Munoz S, Soul LC, Villaseñor A, Alroy J. Reorganization of surviving mammal communities after the end-Pleistocene megafaunal extinction. *Science*. 365:1305-1308. doi:10.1126/science.aaw1605
13. 2019. Patterson DB, Braun DR, Allen K, **Barr WA**, Behrensmeyer AK, Biernat M, Lehmann SB, Maddox T, Manthi FK, Merritt SR, Morris SE, O'Brien K, Reeves JS, Wood BA, Bobe R. Comparative isotopic evidence from East Turkana is consistent with a dietary shift between early *Homo* and *Homo erectus*. *Nature Ecology and Evolution*. 3:1048-1056. doi:10.1038/s41559-019-0916-0
12. 2018. Fraser D, Haupt R, **Barr WA**. Phylogenetic signal in tooth wear dietary niche proxies: What it means for those in the field. *Ecology and Evolution*. doi:10.1002/ece3.4540
11. 2018. Fraser D, Haupt R, **Barr WA**. Phylogenetic Signal In Tooth Wear Dietary Niche Proxies. *Ecology and Evolution*. 8:5355-5368 doi:10.1002/ece3.4052
10. 2018. Blondel C, Rowan J, Merceron G, Bibi F, Negash E, **Barr WA**, Boissérie JR. Feeding ecology of Tragelaphini (Bovidae) from the Shungura Formation, Omo Valley, Ethiopia: contribution of dental wear analyses. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 496:103-120. doi:10.1016/j.palaeo.2018.01.027
9. 2017. **Barr WA**. Signal or noise? A null model method for testing hypotheses about pulsed faunal turnover. *Paleobiology*. 43:656-666. doi:10.1017/pab.2017.21
8. 2017. **Barr WA**. Bovid locomotor functional trait distributions reflect land cover and annual precipitation in sub-Saharan Africa. *Evolutionary Ecology Research*. 18:253-269.
7. 2015. **Barr WA**. Paleoenvironments of the Shungura Formation (Plio-Pleistocene: Ethiopia) based on ecomorphology of the bovid astragalus. *Journal of Human Evolution*. 88:97-107. doi:10.1016/j.jhevol.2015.05.002
6. 2015. Reed D, **Barr WA**, McPherron S, Bobe R, Geraads D, Wynn J, Alemseged Z. Digital Data Collection in Paleoanthropology. *Evolutionary Anthropology*. 24:238-249. doi:10.1002/evan.21466
5. 2015. Thompson JC, McPherron S, Bobe R, Reed DN, **Barr WA**, Wynn J, Marean CW, Geraads D, Alemseged Z. Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. *Journal of Human Evolution*. 86:112-135. doi:10.1016/j.jhevol.2015.06.013
4. 2014. **Barr WA**. Functional Morphology of the Bovid Astragalus In Relation To Habitat: Controlling Phylogenetic Signal In Ecomorphology. *Journal of Morphology*. 275:1201-1216. doi:10.1002/jmor.20279
3. 2014. **Barr WA** and Scott RS. Phylogenetic comparative methods complement discriminant function analysis in ecomorphology. *American Journal of Physical Anthropology*. 153:663-674. doi:10.1002/ajpa.22462
2. 2014. Scott RS and **Barr WA**. Ecomorphology and phylogenetic risk: implications for habitat reconstruction using fossil bovids. *Journal of Human Evolution*. 73:47-57. doi:10.1016/j.jhevol.2014.02.023
1. 2010. Reed DN, and **Barr WA**. A preliminary account of the rodents from Pleistocene levels at Grotte des Contrebandiers (Smuggler's Cave), Morocco. *Historical Biology*. 22:286-294. doi:10.1080/08912960903562192

Peer-Reviewed Book Chapters

3. 2022. Bobe R, Geraads D, Wynn JG, Reed D, **Barr WA**, Alemseged Z. *Fossil Vertebrates and Paleoenvironments of the Pliocene Hadar Formation at Dikika, Ethiopia*. In: Bobe R, Reynolds S (eds.) *African Paleoecology and Human Evolution*. 229-241. Cambridge University Press, Cambridge. doi:10.1017/9781139696470.019
2. 2018. **Barr WA**. *Ecomorphology*. In: Croft DA, Simpson SW, and Su DF (eds.), *Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. 339-349. Springer (Vertebrate Paleobiology and Paleoanthropology Series), Cham, Switzerland. doi:10.1007/978-3-319-94265-0
1. 2018. Reed, DN, **Barr WA**, Kappelman J. *PaleoCore: an open-source platform for geospatial data integration in paleoanthropology*. In: Anemone R, Conroy G (eds.), *New Geospatial Approaches in Anthropology*. University of New Mexico Press. Albuquerque, NM.

Courses Taught

Cumulative undergrad enrollment 1296 students = 5072 credit hours (updated Jan 24)

Cumulative graduate enrollment 185 students = 485 credit hours (updated Jan 24)

Introduction to Biological Anthropology. ANTH 1001. Undergraduate survey (enrollment=272) of biological anthropology. The George Washington University, Anthropology. Taught Fall 2016, Spring 2017, Spring 2018, Spring 2021, Spring 2023, Summer 2024.

Analytical Methods in Evolutionary Anthropology. ANTH 6413. I designed this graduate course covering applied statistical methods (e.g, regression, ANOVA and related techniques, categorical data analysis, re-sampling approaches) and the R statistical programming language. Requirement for HOMPAL PhD and MS degrees. The George Washington University, Anthropology. Taught Spring 2015, Fall 2016, Fall 2018, Fall 2020, Fall 2021, Fall 2022, Fall 2023.

Hominid Paleobiology. HOMP 6201. Graduate level survey of the human fossil record, with an emphasis on how we know what we think we know about human evolution. Requirement for HOMPAL PhD and MS degrees. The George Washington University. Taught Fall 2019, Fall 2021.

Climate Change and Human Evolution. ANTH 3491. I designed this upper level undergraduate course covering changes in global climate through evolutionary time and the impacts on evolution, with an emphasis on humans. The George Washington University, Anthropology. Taught Spring 2016, Spring 2017, Fall 2022.

Hominin Evolution. ANTH 3412 - advanced undergraduate course on the human fossil record. The George Washington University, Anthropology. Taught Spring 2021, Spring 2023.

Laboratory Techniques. HOMP 6202. Survey of laboratory techniques in evolutionary anthropology. Requirement for HOMPAL PhD and MS degrees. The George Washington University. Taught Fall 2019, Fall 2020.

Ethics and Professional Practice in Evolutionary Anthropology. HOMP 6203. Survey of ethical considerations and professional development topics in evolutionary anthropology. Requirement for HOMPAL PhD and MS degrees. The George Washington University. Taught Fall 2023.

Public Understanding of Science. HOMP 8302. Graduate course in which students complete semester-long public service internships. Student projects target underserved Washington, DC-area public schools and general audiences at public museums with a goal of increasing scientific literacy and creating interest in scientific careers. The George Washington University, Anthropology. Taught Spring 2016.

Honors and Awards - Excluding Student Prizes

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| 2024 | Nominated for GWU Morton A. Bender Teaching Award (not awarded) |
| 2023 | Nominated for GWU OVPR Research Mentorship Award (not awarded) |
| 2019 | Science Achievement Award - Smithsonian National Museum of Natural History - in recognition of outstanding research contributions for Tóth et al., 2019. |
| 2018 | American Association of Physical Anthropologists - Professional Development Award. \$7,500 |

Fieldwork

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| 2018 - Present | Tumbili Paleoanthropology Project, Laikipia County, Kenya (Late Miocene). I am the director of this new collaborative project in a unique geographical context outside the Great Rift Valley. To date we have discovered a moderately rich fossil fauna, and excavations are planned to expand the faunal sample from this poorly represented time period. |
| 2014 - Present | Mille-Logya Research Project, Afar Region, Ethiopia (Plio-Pleistocene). I conduct field research to recover new fossils and to understand the environmental and ecological context of human evolution in this region. |

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| 2016 | Koobi-Fora Field School, East Turkana, Kenya. I collected fossil data relating to sub-regional faunal variability in the Koobi Fora Formation from 2.0 - 1.4 Ma. I supervised four undergraduate student research projects that were organized around this topic. |
| 2013 - 2014 | Great Divide Basin Project, Wyoming. Collected primate and mammalian fossils from Eocene sediments, and prospected for new localities. |
| 2010, 2012 | Dikika Research Project, Afar Region, Ethiopia. Surface collection of Plio- Pleistocene hominin and mammalian fossils. Managed GIS data collection with hand-held computers and high-precision GPS base station. |
| 2007, 2008, 2010 | Dalquest Research Site, Big Bend Region, Texas. Surface collected primate and mammalian fossils in the Devil's Graveyard Formation. (Eocene: Late Uintan). |
| 2009 | Contrebandiers Cave, Temara, Morocco. Excavated site preserving Middle Stone Age archaeology (Aterian) and hominin remains. Performed systematic analysis of rodent fauna. |

Synergistic Activities

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| Summer 2021 | Participant. GW Instructional Core Course Design Institute. Five-day bootcamp during which I learned to implement best-practices of course design centered on authentic assessment, active learning, and consideration of student motivation. |
| 2015 - Present | External Member. Evolution of Terrestrial Ecosystems Working Group. National Museum of Natural History. |
| 2012 - Present | Research Associate and Software Developer. PaleoCore Project. I am a key member of this NSF funded project, which aims to create a data-standard for biological anthropology. I contributed heavily to the development of PaleoCore informatics tools for data sharing. |

Scholarly Presentations

Invited Talks, Symposia, Workshops

8. 2023. Invited speaker. *Hominin paleoenvironments, herbivore ecomorphology, and spatial bias in the African fossil record*. The University of Chicago. Evolutionary Morphology Seminar Series.
7. 2023. Invited speaker. *Thinking outside the rift: some attempts to quantify the effect of spatial bias in the eastern African human fossil record*. Smithsonian National Museum of Natural History. Human Origins seminar series.
6. 2019. Invited speaker. *The Environmental Context of Hominin Evolution: Fieldwork, Fossils, and Functional Morphology*. Howard University, Washington, DC.
5. 2019. Invited speaker. *The Environmental Context of Hominin Evolution: Fieldwork, Fossils, and Functional Morphology*. Colorado State University, Ft. Collins, Colorado.
4. 2018. Invited speaker at symposium: *Advances in Paleoecology*. 2nd Lembersky Conference in Human Evolutionary Studies. Rutgers University. November 14 - 16.
3. 2017. Invited speaker. *Data Analysis, Visualization, and Comparative Methods in R*. February 16-17. University of North Carolina - Greensboro.
2. 2015. Invited speaker at symposium: *Latest methods in reconstructing Cenozoic terrestrial environments and ecological communities*. September 10 - 12. Cleveland Museum of Natural History.
1. 2014. Invited speaker at symposium: *The Role of Mosaic Habitats in Hominin Evolution*. Annual Meeting of the American Association of Physical Anthropologists. Calgary, Alberta.

Published Abstracts from Conference Presentations

*indicates undergraduate under my supervision

26. 2024. **Barr WA**, Wood BA. Thinking beyond the rift: how important is sampling bias in understanding human evolution? Paleoanthropology Society. Los Angeles, CA.
25. 2023. **Barr WA**, Wood BA. Thinking outside the rift: Exploring the limitations of hominin habitat reconstructions based on spatially restricted species occurrences. European Society of Human Evolution. Aarhus, Denmark.
24. 2023. **Barr WA**. Blinded by the rift? Exploring the limitations of hominin habitat reconstructions based on spatially restricted species occurrences. American Association of Biological Anthropologists. Reno, Nevada.
23. 2022. Negash EW, **Barr WA**. Landscape Level Vegetation Study in Modern African Ecosystems: Implications for Hominin Environments. Paleoanthropology Society. Denver, Colorado.
22. 2022. Robinson, JR, Rowan J, **Barr WA**, Sponheimer M. Linking mammalian herbivore diets and (paleo)environments: implications for hominin paleoecology. American Association of Biological Anthropologists. Denver, Colorado.
21. 2020. **Barr WA**, Geraads D, Reed D, Bobe R, Wynn JG, Alemseged Z. Faunal turnover at Mille-Logya (Plio-Pleistocene, Ethiopia) reflects in situ environmental change: implications for the origins of *Homo*. American Association of Physical Anthropologists. In-person meeting cancelled due to COVID-19.
20. 2019. Alemseged Z, Wynn JG, Geraads D, Reed D, **Barr WA**, Bobe R, McPherron S. New hominin remains from Mille-Logya, Afar, Ethiopia and their implication for the origin of *Homo*. Paleoanthropology Society.
19. 2018. Hammond AS, Hunter LE Thompson B, Corniner E, Biernat M, **Barr WA**, Braun DR. Morphology and context of a new early *Homo* mandible from Koobi Fora, Kenya.
18. 2018. **Barr WA**, Biernat M*. Quantifying African habitat heterogeneity and mammalian functional diversity with implications for understanding hominin habitats. American Association of Physical Anthropology.
17. 2017. **Barr WA**. Bovid locomotor traits track land cover and mean annual precipitation: using an ecometric approach to reconstruct paleoenvironments in the Shungura Formation (Plio-Pleistocene, Ethiopia). American Association of Physical Anthropology.
16. 2017,. Llera C*, Benitez L*, Biernat M*, Braun DR, Hammond AS, Patterson DB, and **Barr WA**. Subregion-scale heterogeneity in bovid abundance in the Koobi Fora Formation (Pleistocene, Northern Kenya). American Association of Physical Anthropology.
15. 2017. Thompson B, Arenson J, Biernat M*, **Barr WA**, Reeves J, Braun DR and Hammond AS. A preliminary study of primate abundance in East Turkana collection areas relative to outcrop size. American Association of Physical Anthropology.
14. 2017. Enny A*, Biernat M*, Braun DR, Reda W*, Hammond AS, Patterson DB and **Barr WA**. Exploring the impact of collection strategies on interpretations of faunal abundance: a case study from the Koobi Fora Formation (Pleistocene, northern Kenya). American Association of Physical Anthropology.
13. 2017. Benitez L*, Llera* C, Biernat M*, Braun DR, Hammond AS, Patterson DB, **Barr WA**. The Implications of Faunal Abundance for Pleistocene Paleoenvironments in the Turkana Basin, Northern Kenya. Paleoanthropology Society.
12. 2016. **Barr WA**. Signal or noise? Testing hypotheses about faunal turnover. Paleoanthropology Society.
11. 2015. **Barr WA** and Dunn RH. A method for analyzing complex joint surfaces in ecomorphology using slope rasters derived from Digital Elevation Models. American Association of Physical Anthropology. Thompson JC, McPherron SP, Bobe R, **Barr WA**, Reed D, Wynn J, Marean CW, and Alemseged Z. Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. Paleoanthropology Society.
10. 2014. **Barr WA**. Paleoenvironments of the Hadar and Shungura Formations: Synthesizing multiple lines of evidence using bovid ecomorphology. American Association of Physical Anthropology.
9. 2014. Kemp A and **Barr WA**. Rates of homoplasy in the mammalian skeleton. American Association of Physical Anthropology.

8. 2013. **Barr WA**. Ecomorphology of the bovid astragalus: body size, function, phylogeny and paleoenvironmental reconstruction. *American Journal of Physical Anthropology*. 150:74.
7. 2012. **Barr WA**. Ecomorphology in a phylogenetic statistical context: a case study using the bovid femur. *American Journal of Physical Anthropology*. 147:90-91.
6. 2012. Scott RS and **Barr WA**. Ecomorphology and phylogeny among the Bovidae: implications for habitat reconstruction. *American Journal of Physical Anthropology*.
5. 2012. Kappelman JK, Keane P, Reed D, Tenbarger J, Witzel A, **Barr WA**, Nachman BA, Russo GA. eFossils.org: a collaborative website and community database for the study of human evolution. *American Journal of Physical Anthropology*.
4. 2011. Reed DN, McPherron S, **Barr WA**, Alemseged Z, Bobe R, Geraads D, and Wynn J. A new GPS data collection methodology and data schema for integrating multiple project databases: examples from the Dikika Research Project geodatabase. *American Journal of Physical Anthropology*. 144:249-250.
3. 2009. **Barr WA**, Reed DN. Coping with taxonomic ambiguity and inter-observer variation in paleontological and paleoanthropological analyses. *American Journal of Physical Anthropology*. 144:249-250.
2. 2009. Toborowsky CJ, **Barr WA**, Lewis, RJ. Does environmental unpredictability drive lemur life histories? *American Journal of Physical Anthropology*.
1. 2009. **Barr WA**. The effects of allometric scaling patterns on the template method for estimating dimorphism. *American Journal of Physical Anthropology*.

Trainee Advising

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| Postdoc | 2019-2022 | Enquye Negash (GWU) |
| PhD (primary) | In progress | Kathryn Fish (GWU) |
| PhD (primary) | In progress | Nick Rosas (GWU) |
| PhD (committee) | 2025 | Niguss Baraki (GWU) |
| PhD (committee) | 2025 | Rachel Nelson (GWU) |
| PhD (committee) | 2024 | Kristen Tuosto (GWU) |
| PhD (committee) | 2024 | Alexis Williams (GWU) |
| PhD (committee) | 2023 | Victoria Lockwood (GWU) |
| PhD (committee) | 2023 | Ryan McRae (GWU) |
| PhD (committee) | 2022 | Kim Foecke (GWU) |
| PhD (committee) | 2019 | Eve Boyle (GWU) |
| PhD (committee) | 2018 | Laurence Dumouchel (GWU) |
| PhD (committee) | 2018 | Vance Powell (GWU) |
| PhD (committee) | 2017 | Chrisandra Kufeldt (GWU) |
| PhD (committee) | 2016 | David Patterson (GWU) |
| MS | In Progress | Isabel Coyne (GWU) |
| MS | In Progress | Anita Patane (GWU) |
| MS | In Progress | Kaitlin Sennewald (GWU) |
| MS | 2024 | Noelle Purcell (GWU) |
| MS | 2024 | Caitlyn Broderick (GWU) |
| MS | 2023 | Alyssa McGrath (GWU) |
| MS | 2021 | Annelise Beer (GWU) |
| MS | 2021 | Monica Cheung (GWU) |
| MS | 2020 | Nicholas Burns (GWU) |

Undergraduate Research Associates

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| 2022 - present | Sloan Fridrich (The George Washington University) |
| 2022 - present | Emily LaBrasciano (The George Washington University) |
| 2022 - present | Sophie Muir (The George Washington University) |
| 2022 - present | Olivia Poole (The George Washington University) |
| 2019 - 2020 | Rowan Sherwood (The George Washington University) |
| 2018 - 2019 | Jane Meiter (The George Washington University) |
| 2018 - 2019 | Paulette Ma (The George Washington University) |
| 2016 - 2017 | Maryse Biernat (Stockton University) |
| 2016 - 2017 | Elliot Greiner (The George Washington University) |

Koobi Fora Field School Students

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| 2018 | Suzy Strubel (University of Minnesota) |
| 2018 | Joshua Porter (The George Washington University) |
| 2018 | James Frazier (Bryn Mawr) |
| 2018 | Annalys Hanson (Emory University) |
| 2016 | Lorena Benitez (Harvard University) |
| 2016 | Alyssa Enny (Stockton University) |
| 2016 | Catherine Llera (University of Florida) |
| 2016 | Weldeyared Reda (Aksum University, Ethiopia) |

Departmental and Professional Service

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| 2020 - present | Director of Events - Center for the Advanced Study of Human Paleobiology. |
| 2023 - present | Diversity, Equity, and Inclusion Committee- GWU Anthropology |
| 2022 - present | American Association of Biological Anthropologists - Cobb Professional Development Award Committee. |
| 2020 - present | CASHP Comprehensive Examination Committee - Member. |
| 2019 - 2020 | GWU Anthropology Library representative - Served as liaison to GWU libraries on all aspects of library services on behalf of the Anthropology department. |
| 2017 - 2019 | Webmaster, Center for the Advanced Study of Human Paleobiology. I maintained the website and mailing list for our research center. |
| 2014 - 2015 | Coordinator, CASHP Journal Club - Coordinated speakers and organize the academic program for this departmental seminar in the Center for the Advanced Study of Human Paleobiology at The George Washington University. |
| 2013 - present | Academic Phylogeny of Biological Anthropology - In collaboration with Liza Shapiro and Brett Nachman, I created this website as a public resource that tracks academic lineages of Biological Anthropology PhDs. The site has had over 2200 user submissions. |

Public Outreach and Science Communication

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| May 16, 2018 | <i>The Scientist is In.</i> National Museum of Natural History. I interacted directly with over a hundred visitors to the National Museum of Natural History's Hall of Human Origins and answered their questions about human evolution. |
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- March 30, 2017 *Survivors: What Fossils Tell Us About the Past and Future*. I answered questions for the general public at the National Museum of Natural History as part of the 30th anniversary celebration of the Evolution of Terrestrial Ecosystems program, of which I am a member.
- 2016 - Present [Faces of Fieldwork](#) - I created Faces of Fieldwork because I believe people engage more with science when they understand who we are and what we do. This twitter handle features photographic posts highlighting the good, the bad, and the ugly of real people doing real field research.

Media Coverage

- 2024 Barr and Wood paper on spatial sampling bias in the fossil record covered by at least 20 news outlets. [altmetrics link](#)
- 2022 Barr et al. paper on human carnivory covered by over 60 news outlets including Wired, BBC, The Independent, NBC News, Science Magazine and Popular Science. The Smithsonian's flagship science podcast Sidedoor [dedicated an entire episode to this paper](#) and [Smithsonian Magazine](#) ranked this paper as one of the top discoveries about human evolution in the year 2022. [altmetrics link](#)
- 2019 Tóth et al. paper on extinction impacts covered by 11 news outlets, including Smithsonian.com. [altmetrics link](#)
- 2017 Online coverage of *Signal or noise? A null model method for testing hypotheses about pulsed faunal turnover* in [Science Daily](#), [phys.org](#), [GW Today](#) and others.
- 2017 Feature on [theguardian.com](#) highlighting several contributors to Faces of Fieldwork.
- 2015 *GWU aims to be among top research schools*. [Washington Post](#).

Manuscript Reviews

Science

Proceedings of the National Academy of Sciences

Journal of Human Evolution

Nature Ecology & Evolution

Journal of Vertebrate Paleontology

Methods in Ecology and Evolution

Palaeogeography, Palaeoclimatology, Palaeoecology

PLoS One

Quaternary Research

Comptes Rendus Palevol

International Journal of Primatology

Manning Publications (book proposal review)

Grant Reviews

National Science Foundation

The Leakey Foundation

Deutsche Forschungsgemeinschaft (DFG) - German Research Foundation

Professional Memberships

American Association of Biological Anthropologists

Paleoanthropology Society

European Society for the Study of Human Evolution