

W. Andrew Barr - Curriculum Vitae

Department of Anthropology
Center for the Advanced Study of Human Paleobiology
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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. Advisor: Bernard Wood.

Most Relevant Recent Grants

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 fieldwork season postponed due to COVID-19.

Most Relevant Recent Publications

Negash E, **Barr WA**. 2023. 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](https://doi.org/10.1016/j.jhevol.2023.103328)

Barr WA, Pobiner BL, Rowan J, Du A, Faith JT. 2022. 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](https://doi.org/10.1073/pnas.2115540119)

- Bobe R, Geraads D, Wynn JG, Reed D, **Barr WA**, Alemseged Z. 2022. *Fossil Vertebrates and Paleoenvironments of the Pliocene Hadar Formation at Dikika, Ethiopia*. In: Bobe R, Reynolds S (eds.) *African Paleoenvironment and Human Evolution*. 229-241. Cambridge University Press, Cambridge. doi:10.1017/9781139696470.019
- Robinson JR, Rowan J, **Barr WA**, Sponheimer M. 2021. 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
- Geraads D, Reed D, **Barr WA**, Bobe R, Stamos P, Alemseged Z. 2021/ 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
- Dumouchel L, Bobe R, Wynn J, **Barr WA**. 2021. 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
- Barr WA**, Biernat M. 2020. Mammal functional diversity and habitat heterogeneity: Implications for hominin habitat reconstruction. *Journal of Human Evolution*. 146:102853. doi:10.1016/j.jhevol.2020.102853
- Faith JT, Rowan J, Du A, **Barr WA**. 2020. The uncertain case for human-driven extinctions prior to *Homo sapiens*. *Quaternary Research*. 96:88-104. doi:10.1017/qua.2020.51
- Alemseged Z, Wynn JG, Geraads D, Reed DN, **Barr WA**, Bobe R, McPherron S, Deino A, Alene M, Sier M, Roman D, Mohan J. 2020. 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
- Geraads D, Didier G, **Barr WA**, Reed D, Laurin M. 2020. 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
- Geraads D, **Barr WA**, Reed DN, Laurin M, Alemseged Z.. 2019. 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
- 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. 2019. 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
- Blondel C, Rowan J, Merceron G, Bibi F, Negash E, **Barr WA**, Boisserie JR. 2018. 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
- Barr WA**. 2015. 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
- Reed D, **Barr WA**, McPherron S, Bobe R, Geraads D, Wynn J, Alemseged Z. 2015. Digital Data Collection in Paleoanthropology. *Evolutionary Anthropology*. 24:238-249. doi:10.1002/evan.21466
- Thompson JC, McPherron S, Bobe R, Reed DN, **Barr WA**, Wynn J, Marean CW, Geraads D, Alemseged Z. 2015. 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