W. Andrew Barr - Curriculum Vitae

Center for the Advanced Study of Human Paleobiology
Department of Anthropology
The George Washington University
ORCID: 0000-0001-9763-6440

800 22nd St NW, Suite 6000
Washington, DC 20052
wabarr@email.gwu.edu
+1 (202) 994-3213

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

Research Grants and Awards

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.
2018	American Association of Physical Anthropologists - Professional Development Award. $7,500

Peer-Reviews Publications Most Relevant to This Proposal

Robinson JR, Rowan J, **Barr WA**, Sponheimer M. 2021. Intrataxonomic trends in herbivore enamel δ13C are decoupled from ecosystem woody cover. *Nature Ecology and Evolution*. 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.

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

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

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. 2017. Bovid locomotor functional trait distributions reflect land cover and annual precipitation in sub-Saharan Africa. *Evolutionary Ecology Research*. 18:253-269.

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

Fieldwork

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.
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.