

René Bobe

Académico, Departamento de Antropología, Universidad de Chile
Research Associate, Institute of Cognitive & Evolutionary Anthropology, University of Oxford

Departamento de Antropología
Universidad de Chile
Ignacio Carrera Pinto 1045
Santiago 7800284, Chile
rene.bobe@uchile.cl
Tel. (+56)982276881

School of Anthropology
University of Oxford
51-53 Banbury Rd
Oxford OX2 6PE, United Kingdom
rene.bobequinteros@anthro.ox.ac.uk
Tel. (+44)7497780737

Research: hominin paleoecology, evolution of African mammals, early South American primates.

I am a biological anthropologist and paleobiologist interested in the relationship between climate and evolution, with a focus on the ecology of human origins in Africa. I study fossil mammals that provide long-term records of ecological and environmental change. I have ongoing paleontological projects in the Afar Region (Ethiopia), the lower Omo Valley (Ethiopia), the Lake Turkana Basin (Kenya), and Gorongosa National Park (Mozambique). I also conduct field research in Patagonia to explore the evolution and environments of early South American primates.

EDUCATION

- 1997 PhD Biological Anthropology, University of Washington, Seattle, Dissertation: *Hominid Environments in the Pliocene: An Analysis of Fossil Mammals from the Omo Valley, Ethiopia*.
Dissertation committee chair: Dr. Gerald G. Eck
- 1983 BA Anthropology, Pomona College, Claremont, California, Thesis: *Neurological Reorganization in Hominids: A Study of Brain Evolution*. Advisor: Dr. James McKenna

CURRENT ACADEMIC AFFILIATIONS

- 2015- Research Associate, Institute of Cognitive & Evolutionary Anthropology, School of Anthropology, University of Oxford, UK
<http://www.icea.ox.ac.uk/associates>
- 2015- Associate Research Professor, Department of Anthropology, Center for the Advanced Study of Hominid Paleobiology, George Washington University, Washington, DC, USA
<https://anthropology.columbian.gwu.edu/ren%C3%A9-bobe>
- 2014- Associated Researcher, Interdisciplinary Center for Archaeology and Evolution of Human Behavior, Universidade do Algarve, 8005-139, Faro, Portugal
<http://www.icarehb.com/humans/team/rene-bobe0>
- 2004- Research Associate, Evolution of Terrestrial Ecosystems Program, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution, Washington DC, USA
http://naturalhistory.si.edu/ete/ETE_People_Bobe.html

PROFESSIONAL HISTORY

- 2016- Académico, Departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile, Santiago, Chile
- 2011-2015 Associate Professor, Department of Anthropology, Center for the Advanced Study of Hominid Paleobiology, George Washington University, Washington, DC, USA
- 2006-2011 Assistant Professor, Department of Anthropology, The University of Georgia, Athens, Georgia, USA
- 2004-2006 Assistant Professor, Department of Anthropology, State University of New York at Buffalo, New York, USA
- 1998-2004 Post-Doctoral Researcher, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution, Washington, DC, USA
- 1997-1998 Visiting Faculty, Department of Anthropology, Sonoma State University, Rohnert Park, California, USA
- 1996-1997 Curatorial Assistant in vertebrate paleontology, Burke Museum, University of Washington, Seattle, Washington, USA

GRANTS

- 2016-2017 National Geographic Society, Science & Exploration Program (€19000 Euros) R. Bobe, PI: *The unexplored Rift Valley: Human origins research at Gorongosa National Park*. (Grant #GEFNE169-16). 22 April 2016.
- 2014-2017 NSF Sedimentary Geology and Paleobiology (US \$159,606) Z. Alemseged, PI, R. Bobe, M. Sponheimer, co-PIs: *Integrating multidisciplinary tools to study Plio-Pleistocene paleoecology of early hominins from the Omo Valley, Ethiopia* (EAR-1252157). 15 Apr. 2013 – 31 Dec. 2017.
- 2014-2016 NSF Doctoral Dissertation Improvement Grant - Archaeology Program (US \$30,017) R. Bobe, PI, David Patterson, co-PI: *Ecological niche evolution in Homo and Paranthropus at East Turkana, Northern Kenya* (SBE-BCS-1424203). 1 Aug. 2014 – 31 Jul. 2016.
- 2012-2016 NSF Integrative Paleoanthropology Grant - Biological Anthropology Program (US \$312,803) A. Cohen, PI, O. Davis, R. Bobe, J. Stone, co-PIs: *Collaborative Research: A high-resolution analysis of unique paleoenvironmental data from key hominin sites in East Africa* (SBE-BCS-1241859). 1 Oct. 2012 – 31 Mar. 2016.
- 2012-2013 University Facilitating Fund, George Washington University (US \$20,976) R. Bobe, PI: *Origin and environments of the earliest South American primates*.
- 2011-2015 NSF - Biological Anthropology Program (US \$331,999) B. Richmond, PI, R. Bobe, A.K. Behrensmeyer, J. Harris, D. Braun, co-PIs: *Hominin footprints, fossils, and their context in the early Pleistocene of Koobi Fora, Kenya* (SBE-BCS-1128170). 1 Oct. 2011 – 30 Sep. 2015.
- 2009-2011 NSF - Physical Anthropology Program (US \$69,999) B. Richmond, PI, A.K. Behrensmeyer, R. Bobe, D. Braun, J. Harris, co-PIs: *Recovery and analysis of early Pleistocene hominin fossils and footprints*,

Ileret, Kenya (BCS-0924476).

- 2007-2008 National Geographic Society (US \$14,962) R. Bobe, PI: *The Akaki-Fanta prehistoric site salvage project, Ethiopia* (NGS grant #8345-07).
- 2003-2004 NSF - Physical Anthropology Program (US \$8,300) A.K. Behrensmeyer, PI, R. Bobe, co-PI: *Workshop on faunal evidence for hominid paleoecology in East Africa*, Smithsonian Institution, May 2004 (BCS-0422048).
- 2002-2005 NSF - Physical Anthropology Program (US \$148,232) R. Bobe, PI, A.K. Behrensmeyer, co-PI: *An ecosystem approach to hominin environments in the East African Plio-Pleistocene* (BCS-0137235).
- 1999-2001 Smithsonian Institution Scholarly Studies Program grant, Department of Paleobiology, Evolution of Terrestrial Ecosystems Program, A.K. Behrensmeyer, PI, R. Bobe, co-PI: Faunal responses to climate change in the East African Plio-Pleistocene.
- 1994-1995 University of Washington Graduate School Research Grant for fieldwork at Hadar, Afar, Ethiopia.

FELLOWSHIPS, SCHOLARSHIPS & OTHER AWARDS

- 2006 United University Professions - Professional Development Award, State University of New York.
- 2003 First Prize, International Award for Excellence in Paleontological Research, €4,500 from the Paleontological Foundation of Teruel, Spain, and the Spanish Ministry of Science.
- 1998-1999 Smithsonian Institution, Department of Paleobiology, Evolution of Terrestrial Ecosystems Program, Postdoctoral Fellowship: Plio-Pleistocene environments and community evolution in Africa.
- 1997 Award for Excellence for "Paleoclimate and the origins of the genus *Homo*", paper presented at the 78th Annual Meeting of the American Association for the Advancement of Science, Section on Atmospheric and Earth Sciences, Corvallis, Oregon.
- 1994 The Joel Reiss Fund Program Fellowship, awarded for paleoanthropological fieldwork at Hadar, Ethiopia, with the Institute of Human Origins.
- 1990-1992 Patricia Roberts Harris Fellowship for minority graduate students at the University of Washington, Seattle.

PUBLICATIONS**Edited books and volumes**

Reynolds, S., **Bobe**, R. (Editors) (45 manuscripts in review). *African Paleoecology and Human Evolution*. Cambridge University Press, Cambridge.

Braun, D., **Bobe**, R. (Guest Editors) (12 manuscripts in review). Hominin paleobiology in the Pleistocene Okote Member, Koobi Fora Formation, Kenya. *Journal of Human Evolution* Special Issue.

Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Editors) (2007). *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht. 354 pp.

Book chapters and contributions

Bobe, R. (2016). Paleontology. *Oxford Bibliographies in Anthropology*. John L. Jackson, Editor. Oxford University Press. DOI: 10.1093/OBO/9780199766567-0141. (June)

Bobe, R., Leakey, M.G. (2009). Ecology of Plio-Pleistocene mammals in the Omo-Turkana Basin and the emergence of *Homo*. In Grine, F.E., Fleagle, J.G., Leakey, R.E. (Editors), *The first humans: origins of the genus Homo*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. 173-184.

Alemseged, Z., **Bobe**, R. (2009). Diet in early hominin species: a paleoenvironmental perspective. In Hublin, J.J., Richards, M.P. (Editors), *The evolution of hominid diets: integrating approaches to the study of Paleolithic subsistence*. Springer, Dordrecht, pp. 181-188.

Behrensmeyer, A.K., Alemseged, Z., **Bobe**, R. (2007). Foreword. In Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. xiii-xv.

Behrensmeyer, A.K., **Bobe**, R., Alemseged, Z. (2007). Approaches to the analysis of faunal change during the East African Pliocene. In Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. 1-24.

Bobe, R., Behrensmeyer, A.K., Eck, G.G., Harris, J.M. (2007). Patterns of abundance and diversity in late Cenozoic bovids from the Turkana and Hadar Basins, Kenya and Ethiopia. In: Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. 129-157.

Alemseged, Z., **Bobe**, R., Geraads, D. (2007). Comparability of fossil data in relation to hominin paleoecology: a case study of the French and American collections from the Shungura Formation of Ethiopia. In: Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. 159-181.

Behrensmeyer, A.K., Alemseged, Z., **Bobe**, R. (2007). Finale and future: investigating faunal evidence for hominin paleoecology in East Africa. In Bobe, R., Alemseged, Z., Behrensmeyer, A.K. (Eds.), *Hominin Environments*

in the East African Pliocene: An Assessment of the Faunal Evidence. Vertebrate Paleobiology and Paleoanthropology Series. Springer, Dordrecht, pp. 333-345.

Journal articles

- Bobe, R.**, Carvalho, S. (Submitted - in review). High environmental variability and hominin diversity and in the Okote Member, Koobi Fora Formation, Kenya. *Journal of Human Evolution*.
- Dumouchel, L., **Bobe, R.** (Submitted - in review). Ecometric analysis of the fossil ungulates from Kanapoi. *Journal of Human Evolution*.
- Geraads, D., **Bobe, R.** (Submitted - in review). Ruminants (Giraffidae and Bovidae) from Kanapoi. *Journal of Human Evolution*.
- Geraads, D., **Bobe, R.** (In press). Suidae from Kanapoi. *Journal of Human Evolution*.
- Patterson, D., Braun, D., Behrensmeyer, A.K., Lehmann, S., Merritt, S., Reeves, J. Wood, B., **Bobe, R.** (In press). Landscape scale heterogeneity in the East Turkana ecosystem during the Okote Member (1.56-1.38 Ma). *Journal of Human Evolution*.
- Püschel, T., Gladman, J., **Bobe, R.**, Sellers, W. (2017). The evolution of the platyrrhine talus: a comparative analysis of the phenetic affinities of the Miocene platyrrhines with their modern relatives. *Journal of Human Evolution*. 111, 179-201. <http://dx.doi.org/10.1016/j.jhevol.2017.07.015> (October)
- Patterson, D., Braun, D., Behrensmeyer, A.K., Merritt, S., Zliobaite, I., Reeves, J., Wood, B., Fortelius, M., **Bobe, R.** (2017). Ecosystem evolution and hominin paleobiology at East Turkana, northern Kenya between 2.0 and 1.4 Ma. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 481, 1-13. (September)
- Montoya, G., Moreno, K., **Bobe, R.**, Carrano, M., García, M., Corgne, A. (2017). Peltephilidae and Mesotheriidae (Mammalia) from late Miocene strata of northern Chilean Andes, Caragua. *Journal of South American Earth Sciences*, 75, 51-65. <http://dx.doi.org/10.1016/j.jsames.2017.01.009>. (April)
- Lanzarone, P., Garrison, E., **Bobe, R.**, Getahun, A. (2016). Examining fluvial stratigraphic architecture using ground-penetrating radar at the Fanta Stream fossil and archaeological site, Central Ethiopia. *Geoarchaeology*, 31(6), 577-591. DOI: 10.1002/gea.21584. (November)
- Fortelius, M., Zliobaite, I., Kaya, F., Bibi, F., **Bobe, R.**, Leakey, L., Leakey, M., Patterson, D., Rannikko, J., Werdelin, L. (2016). An ecometric analysis of the fossil mammal record of the Turkana Basin. *Philosophical Transactions of the Royal Society B*, 371, 20150232. DOI: 10.1098/rstb.2015.0232 (June)
- Mbua, E., Kusaka, S., Kunimatsu, Y., Geraads, D., Sawada, Y., Brown, F.H., Sakai, T., Boisserie, J.-R., Saneyoshi, M., Omuombo, C., Muteti, S., Hirata, T., Hayashida, A., Iwano, H., Danhara, T., **Bobe, R.**, Jicha, B., Nakatsukasa, M. (2016). Kantis: A new *Australopithecus* site on the shoulders of the Rift Valley near Nairobi, Kenya. *Journal of Human Evolution*, 94, 28-44. <http://dx.doi.org/10.1016/j.jhevol.2016.01.006> (May)
- Reed, D., Barr, A., McPherron, S., **Bobe, R.**, Geraads, D., Wynn, J. Alemseged, Z. (2015). Digital data collection in paleoanthropology. *Evolutionary Anthropology*, 24, 238-249. (December)
- Plummer, T.W., Ferraro, J.V., Louys, J., Hertel, F., Alemseged, Z., **Bobe, R.**, Bishop, L.C. (2015). Bovid ecomorphology and hominin paleoenvironments of the Shungura Formation, lower Omo River Valley, Ethiopia. *Journal of Human Evolution*, 88, 108-126. (November)

- Thompson, J., McPherron, S., **Bobe**, R., Reed, D., Barr, W.A., Wynn, J., Marean, C., Geraads, D., Alemseged, Z. (2015). Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. *Journal of Human Evolution*, 86, 112-135. (September)
- Geraads, D., Drapeau, M., **Bobe**, R., Fleagle, J. (2015). *Vulpes mathisoni* sp. nov., a new fox from the Pliocene Mursi Formation of Southern Ethiopia, and its contribution to the origin of African foxes. *Journal of Vertebrate Paleontology*, 35(4) e943765 (7 pages). (July)
- Geraads, D., Alemseged, Z., **Bobe**, R., Reed, D. (2015). Pliocene Carnivora (Mammalia) from the Hadar Formation at Dikika, Lower Awash Valley, Ethiopia. *Journal of African Earth Sciences*, 107, 28-36. (July)
- Hockings, K., McLennan, M., Carvalho, S., Ancrenaz, M., **Bobe**, R., Byrne, R., Dunbar, R., Matsuzawa, T., McGrew, W., Williamson, E., Wilson, M., Wood, B., Wrangham, R., Hill, C. (2015). Apes in the Anthropocene: adaptation and survival. *Trends in Ecology and Evolution*, 30(4), 215-222. (April)
- Caruana, M., Carvalho, S., Braun, D., Presnyakova, D., Haslam, M., Archer, W., **Bobe**, R., Harris, J. (2014). Quantifying traces of tool use: a novel morphometric analysis of damage patterns on percussive tools. *PLoS ONE*. 9(11): e113856. doi:10.1371/journal.pone.0113856. (November)
- Drapeau, M., **Bobe**, R., Wynn, J., Campisano, C., Geraads, D., Dumouchel, L. (2014). The Mursi Formation reconsidered: a window into the East African Pliocene. *Journal of Human Evolution*, 75, 64-79. (October)
- Patterson, D., Faith, T., **Bobe**, R., Wood, B. (2014). Regional diversity patterns in African bovids, hyaenids, and felids during the past 3 million years: the role of taphonomic bias and implications for the evolution of *Paranthropus*. *Quaternary Science Reviews*, 96, 9-22. (July)
- Geraads, D., **Bobe**, R., Manthi, F.K. (2013). New ruminants (Mammalia) from the Pliocene of Kanapoi, Kenya, and a revision of previous collections, with a note on the Suidae. *Journal of African Earth Sciences* 85, 53-61. (September)
- Geraads, D., Reed, K., **Bobe**, R. (2013). Pliocene Giraffidae (Mammalia) from the Hadar Formation of Hadar and Ledi-Geraru, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology*, 33(2), 470-281. (March)
- Geraads, D., **Bobe**, R., Reed, K. (2012). Pliocene Bovidae (Mammalia) from the Hadar Formation of Hadar and Ledi-Geraru, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology*, 32(1), 180-197. (January)
- Bobe**, R. (2011). Fossil mammals and paleoenvironments in the Omo-Turkana Basin. *Evolutionary Anthropology*, 20(6), 254-263.
- Levin, N., Brown, F., Behrensmeyer, A.K., **Bobe**, R., Cerling, T. (2011). Paleosol carbonates from the Omo Group: isotopic records of local and regional environmental change in East Africa. *Palaeogeography Palaeoclimatology Palaeoecology*, 307, 75-89.
- McPherron, S., Alemseged, Z., Marean, C., Wynn, J.G., Reed, D., Geraads, D., **Bobe**, R., Béarat, H. (2011). Tool-marked bones from before the Oldowan change the paradigm. *Proceedings of the National Academy of Sciences*, 108(21), E116.
- Geraads, D., Alemseged, Z., **Bobe**, R., Reed, D. (2011). *Enhydriodon dikikae*, sp. nov. (Carnivora: Mammalia), a gigantic otter from the Pliocene of Dikika, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology*, 31(2), 447-453. (March)

- McPherron, S., Alemseged, Z., Marean, C., Wynn, J.G., Reed, D., Geraads, D., **Bobe, R.**, Béarat, H. (2010). Evidence for stone-tool-assisted consumption of animal tissues before 3.39 million years ago at Dikika, Ethiopia. *Nature* 466, 857-860.
- Geraads, D., Alemseged, Z., **Bobe, R.**, Reed, D. (2010). *Nyctereutes lockwoodi*, n. sp., a new canid (Carnivora: Mammalia) from the middle Pliocene of Dikika, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology* 30(3), 981-987. (May)
- Benington, J.B., DiMichele, W., Badgley, C., Bambach, R., Barrett, P., Behrensmeyer, A.K., **Bobe, R.**, Burnham, R., Daeschler, E., Van Dam, J., Eronen, J., Erwin, D., Finnegan, S., Holland, S., Hunt, G., Jablonski, D., Jackson, S., Jacobs, B., Kidwell, S., Koch, P., Kowalewski, M., Labandeira, C., Looy, C., Lyons, K., Novack-Gottshall, P., Potts, R., Roopnarine, P., Strömberg, C., Sues, H.-D., Wagner, P., Wilf, P., Wing, S. (2009). Critical issues of scale in paleoecology. *Palaios* 24(1), 1-4.
- Mbua, E., Alemseged, Z., **Bobe, R.** (2008). A new association for East African paleoanthropology and paleontology. *Evolutionary Anthropology* 17, 123-124.
- Alemseged, Z., Spoor, F., Kimbel, W.H., **Bobe, R.**, Geraads, D., Reed, D., Wynn, J.G. (2006). A juvenile early hominin skeleton from Dikika, Ethiopia. *Nature* 443, 296-301.
- Wynn, J., Alemseged, Z., **Bobe, R.**, Geraads, D., Reed, D., Roman, D. (2006). Geological and palaeontological context of a Pliocene juvenile hominin at Dikika, Ethiopia. *Nature* 443, 332-336.
- Bobe, R.** (2006). The evolution of arid ecosystems in eastern Africa. *Journal of Arid Environments* 66(3), 564-584.
- Alemseged, Z., Wynn, J., Kimbel, W., Reed, D., Geraads, D., **Bobe, R.** (2005). A new hominin from the Basal Member of the Hadar Formation, Dikika, Ethiopia, and its geological context. *Journal of Human Evolution* 49, 499-514.
- Bobe, R.**, Behrensmeyer, A.K., Carrasco, G. (2004). Paleoclima y evolución faunística en el Plio-Pleistoceno de África y América del Sur. *Ameghiniana* 41(4), 641-649.
- DiMichele, W., Behrensmeyer, A.K., Olszewski, T., Labandeira, C., Pandolfi, J., Wing, S., **Bobe, R.** (2004). Long-term stasis in ecological assemblages: evidence from the fossil record. *Annual Review of Ecology, Evolution, and Systematics* 35, 285-322.
- Bobe, R.**, Behrensmeyer, A.K. (2004). The expansion of grassland ecosystems in Africa in relation to mammalian evolution and the origin of the genus *Homo*. *Palaeogeography Palaeoclimatology Palaeoecology* 207, 399-420. [Most requested article from Palaeo³ for the year 4/2004-3/2005]
- Bobe, R.**, Behrensmeyer, A.K., Chapman, R.E. (2002). Faunal change, environmental variability and late Pliocene hominin evolution. *Journal of Human Evolution* 42(4), 475-497. [Winner of the First Prize for Excellence in Paleontological Research, Teruel, Spain]
- Bobe, R.**, Eck, G.G. (2001). Responses of African bovids to Pliocene climatic change. *Paleobiology* 27 supplement to No. 2. *Paleobiology Memoirs* 2, 1-47. [Featured full-page in *Science* 293, 2377]
- Kimbel, W., Walter, R., Johanson, D., Reed, K., Aronson, J., Assefa, Z., Marean, C., Eck, G., **Bobe, R.**, Hovers, E., Rak, Y., Vondra, C., Yemane, T., York, D., Chen, Y., Evensen, N., Smith, P. (1996). Late Pliocene *Homo* and Oldowan tools from the Hadar Formation (Kada Hadar Member), Ethiopia. *Journal of Human Evolution* 31, 549-561.

Other publications

- Bobe, R.**, Behrensmeyer, A.K., Leakey, M., Mbua, E. (2011). The Turkana Database: An archive of vertebrate evolution in East Africa. *Evolutionary Anthropology*, 20(6), 256.
- Bobe, R.**, Behrensmeyer, A.K., Chapman, R.E., Eck, G.G. (2004). Evolución humana en valle del Omo (Etiopía): relación con cambios faunísticos y variaciones ambientales en el Plioceno terminal. *Fundamental* 3, 1-59.
- Bobe, R.** (1997). *Hominid Environments in the Pliocene: An Analysis of Fossil Mammals from the Omo Valley, Ethiopia*. PhD Dissertation in Biological Anthropology: University of Washington, Seattle. UMI9806959.

PUBLISHED ABSTRACTS

- Bobe, R.**, Negash, E.W., 2017. The lower Omo Valley as an ecological refugium during the Pliocene and Early Pleistocene. *Conference Abstracts, East African Association for Paleoanthropology and Paleontology*, Addis Ababa, p. 4.
- Dumouchel, L., **Bobe, R.**, 2017. New insights into the paleoenvironments of *Australopithecus anamensis* in the Omo-Turkana Basin, eastern Africa. *Conference Abstracts, East African Association for Paleoanthropology and Paleontology*, Addis Ababa, p. 9.
- Negash, E.W., Wynn, J.G., **Bobe, R.**, 2017. Understanding vegetation structure in modern ecosystems; implications for hominin landscape dynamics. *Conference Abstracts, East African Association for Paleoanthropology and Paleontology*, Addis Ababa, p. 27.
- Villaseñor, A., **Bobe, R.**, Behrensmeyer, A.K. 2016. Spatial variation in Pliocene paleohabitats: implications for large-mammal paleocommunity assembly. 8th Biennial Conference of the International Biogeography Society, Tucson, AZ, 9-13 January 2017.
- Encinas, A., Folguera, A., Litvak, V. Echaurren, A., Gianni, G., Fernández, L., **Bobe, R.**, Valencia, V. 2016. New age constraints for the Cenozoic deposits of the Patagonian Andes and the Sierra de San Bernardo between 43° and 46°S. *Acta del Primer Simposio de Tectónica Sudamericana* 140 (November 2016).
- Behrensmeyer, A.K., Du, A., Villaseñor, A., Patterson, D., Hatala, K., Roach, N., Richmond, B., **Bobe, R.** 2016. Body fossils, trackways and stable isotopes: synthesizing Pleistocene paleoecology in the Okote Member, Koobi Fora Formation, Kenya. Program and Abstracts 2016, *Journal of Vertebrate Paleontology* 95-96.
- Du, A., Behrensmeyer, A.K., **Bobe, R.** 2016. Applying the ecological core-transient species paradigm to Plio-Pleistocene fossil mammals in the Omo-Turkana Basin, East Africa. Program and Abstracts 2016, *Journal of Vertebrate Paleontology* 128.
- Villaseñor, A., Behrensmeyer, A.K., **Bobe, R.** 2016. Spatial variation in Pliocene paleohabitats in the Turkana Basin, Kenya: implications for large-mammal paleocommunity assembly. Program and Abstracts 2016, *Journal of Vertebrate Paleontology* 244.
- Alemseged, Z., Barr, A., **Bobe, R.**, Geraads, D., McPherron, S., Reed, D., Wynn, J. 2016. A new Late Pliocene fauna from the Mille-Logya Project (MLP) area, Afar Regional State, Ethiopia. *PaleoAnthropology* A1. (May)
- Patterson, D., Braun, D., **Bobe, R.**, Lehmann, S., Levin, N., Behrensmeyer, A.K., Wood, B. 2016. Hominin behavioral landscapes: merging stable isotopes, zooarchaeology and ecometrics for insights into hominin ecology at East Turkana, northern Kenya. *PaleoAnthropology* A22. (May)

- Negash, E.W., Alemseged, Z., Wynn, J.G., Bedaso, Z., **Bobe**, R. 2016. Stable isotopic study of modern and fossil *Tragelaphus*: interpreting the range of dietary signals within a single genus. *American Journal of Physical Anthropology* 159, Issue Supplement S62, 239. (March)
- Patterson, D., Braun, D., **Bobe**, R., Lehmann, S., Levin, N., Behrensmeyer, A.K., Wood, B. 2016. Hominin behavioral landscapes: merging stable isotopes, zooarchaeology and ecometrics for insights into hominin ecology at East Turkana, northern Kenya. *American Journal of Physical Anthropology* 159, Issue Supplement S62, 249. (March)
- Negash, E.W., Alemseged, Z., Wynn, J.G., Bedaso, Z., **Bobe**, R. 2015. Stable isotopic study of modern and fossil *Tragelaphus*: interpreting the range of dietary signals within a single genus. *Geological Society of America Abstracts with Programs* 47(7), p. (November)
- Villaseñor, A., **Bobe**, R. 2015. Is Pliocene hominin abundance mediated by ecological factors? A case study from the Afar and Turkana Basins, Ethiopia and Kenya. *Society of Vertebrate Paleontology Abstracts of Papers, 74th Annual Meeting*, p. 231. (October)
- Bobe**, R., Bostelmann, E., Tejedor, M., Carrasco, G., Mancuso, A., Alloway, B., Bellosi, E., Ugalde, R., Buldrini, K. 2015. Primates del Mioceno de Río Cisnes, Patagonia chilena. *Libro de Resúmenes V Congreso Latinoamericano de Paleontología de Vertebrados*, 36. (September)
- Bobe**, R., Tejedor, M. 2015. Estimaciones sobre los primeros registros fósiles de los primates plitirinos. *Libro de Resúmenes V Congreso Latinoamericano de Paleontología de Vertebrados*, 38. (September)
- Richmond B.G., Roach, N.T., Hatala K.G., Ostrofsky, K., Behrensmeyer A.K., Reeves, J., **Bobe** R., Kiura, P., Harris, J.W.K., Braun D.R. 2015. Hominin paleoecology and use of lake margin environments in the Early Pleistocene. *Proceedings of the European Society for the Study of Human Evolution*, 4, p.189. (September)
- Alemseged, Z., McPherron, S., Marean, C., Thompson, J., Reed, D., Geraads, D., **Bobe**, R., Wynn, J. 2015. Earliest evidence for tool use and meat eating from Dikika, Ethiopia. *East African Association for Paleoanthropology and Paleontology Abstracts*, 2. (August)
- Cohen, A., and Hominin Sites and Paleolakes Drilling Project team. 2015. The Hominin Sites and Paleolakes Drilling Project (HSPDP): understanding the paleoenvironmental and paleoclimatic context of human origins through continental drilling. *Geophysical Research Abstracts*, 17 EGU2015-3134. (May)
- Thompson, J., McPherron, S., **Bobe**, R., Barr, A., Reed, D., Wynn, J., Marean, C., Alemseged, Z. 2015. Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. *PaleoAnthropology* 2015, A33. (May)
- Richmond B.G., Roach, N.T., Hatala K.G., Ostrofsky, K., Behrensmeyer A.K., **Bobe** R., Braun D.R., Reeves, J., Kiura, P., Villmoare, B. 2015. What can footprint assemblages tell us about early hominin habitat preferences and social behavior? *American Journal of Physical Anthropology*, 156, Supplement S60, pp.266-267. (March)
- Schilder, B., **Bobe**, R., Sherwood, C. 2015. The effects of climatic trends, variability, and rates of change on mammalian brain evolution. *American Journal of Physical Anthropology*, 156, Supplement S60, p. 278. (March)
- Villaseñor, A., **Bobe**, R. 2015. Estimating the relative abundance of Pliocene hominins in eastern Africa: implications for species distributions. *American Journal of Physical Anthropology*, 156, Supplement S60, p. 313. (March)
- Lazagabaster, I., Rowan, J., **Bobe**, R. 2014. Fidelity of paleoecological data based on bovid, equid, and suid abundance at different spatial scales in the Okote Member of the Koobi Fora Formation, Kenya. *Abstracts*

- of Papers, Second Annual Meeting, Southwestern Association of Biological Anthropologists, Tucson, p. 21 (November).
- Patterson, D., Schroer, K., **Bobe**, R., Wood, B. 2014. Stable isotopic and morphological evidence for dietary evolution in the mammalian community of East Turkana, northern Kenya, between 2 and 1.4 million years ago with particular emphasis on three-larged bodied primates. *Society of Vertebrate Paleontology Abstracts of Papers, 74th Annual Meeting*, pp. 201-202. (November).
- Bostelmann, J.E., Bellosi, E., **Bobe**, R., Alloway, B.V., Carrasco, G., Mancuso, A., Ugalde, R., Buldrini, K. 2014. First record of the Coprinisphaera ichnofacies Genise et al., 2000, in Chile: diversity and paleoenvironmental interpretation. *Libro de Resúmenes IV Simposio-Paleontología en Chile*, Valdivia 8-10 October 2014, p. 51. (October)
- Lyons, S.K., Gotelli, N., Behrensmeier, A.K., Amatangelo, K., Bercovici, A., Blois, J., **Bobe**, R., Davis, M., DiMichele, W., Du, A., Eronen, J., Faith, T., Graves, G., Jud, N., Labandeira, C., Looy, C., McGill, B., Patterson, D., Potts, R., Riddle, B., Terry, R., Toth, A., Villaseñor, A., Williams, J., Wing, S. 2014. Patterns of species co-occurrence in plant and animal communities from deep time to the recent. *Abstract Volume, IV International Palaeontological Congress, The History of Life: A View from the Southern Hemisphere*, Mendoza, Argentina, p. 568. (October)
- Bellosi, E., Bostelmann, E., Ugalde, R., Alloway, B., **Bobe**, R., Carrasco, G., Mancuso, A., Buldrini, K. 2014. Ambientes asociados a la fauna Friasense (Mioceno medio) en Alto Río Cisnes, Aysén, Chile. Reunión Argentina de Sedimentología, Puerto Madryn, 40-41. (September)
- Patterson, D., **Bobe**, R., Braun, D., Behrensmeier, A.K. Wood, B. 2014. Did *Homo* and *Paranthropus* differ in ecology? Evidence from East Turkana, Kenya. *PaleoAnthropology*, A18. (April)
- Villaseñor, A., **Bobe**, R., Behrensmeier, A.K. 2014. Ecological change at Koobi Fora in northern Kenya circa 3.4 million years ago: implications for hominin biogeography in East Africa. *PaleoAnthropology*, A27. (April)
- Bobe**, R. 2014. Mosaic habitats and refugia in the Plio-Pleistocene Omo-Turkana Basin, Ethiopia and Kenya. *American Journal of Physical Anthropology Supplement*, 80. (April)
- Patterson, D., Faith, T., **Bobe**, R., Wood, B. 2014. Regional diversity patterns in African bovids, hyaenids, and felids during the past 3 million years: the role of taphonomic bias and implications for the evolution of *Paranthropus*. *American Journal of Physical Anthropology Supplement*, 205. (April)
- Quinn, R., Lepre, C., Feibel, C., **Bobe**, R., Werdelin, L., Plavcan, J.M., Manthi, F.K., Ward, C. 2014. The environmental context of *Australopithecus anemensis*: pedogenic carbonate stable isotopic evidence for vegetation structure and climatic conditions at Kanapoi, Kenya. *American Journal of Physical Anthropology Supplement*, 214. (April)
- Richmond B.G., Hatala K.G., Behrensmeier A.K., **Bobe** R., Braun D.R., Dingwall H.L., Green D.J., Kiura, P., Ostrofsky, K., Roach, N., Villmoare, B., Wunderlich, R., Harris, J.W.K. 2014. Hominin size, behavior, and ecology based on 1.5-million-year-old footprint assemblages from Ileret, Kenya. *American Journal of Physical Anthropology Supplement*, 221-222. (April)
- Du, A., Behrensmeier, A.K., **Bobe**, R. 2014. Degrees of bias in the collection of vertebrate paleoecological data: comparing and reconciling different scales from multiple collection methods. *North American Paleontological Convention - The Paleontological Society Special Publications* 15, 10. (February)

- Patterson, D., Faith, T., **Bobe**, R., Wood, B. 2013. A comparison of the fossil evidence of three mammalian families from East and southern Africa over the past three million years: the effects of sampling bias. *Journal of Vertebrate Paleontology*, Program and Abstracts, 2013, 189.
- Villaseñor, A., Behrensmeyer, A.K., **Bobe**, R. 2013. Community dynamics through space and time in the Hadar and Turkana Basins, Ethiopia and Kenya. *American Journal of Physical Anthropology Supplement* 150 (S56), 279.
- Bobe**, R., Villaseñor, A., Patterson, D., Du, A. 2013. Geographic and temporal variation in East African Plio-Pleistocene mammals. *Abstracts of the Society for American Archaeology*, 70.
- Hovers, E., **Bobe**, R. 2013. Was Oldowan lithic technology responsive to environmental change? *Abstracts of the Society for American Archaeology*, 205.
- Drapeau, M., **Bobe**, R., Wynn, J., Campisano, C. 2013. Paleontology of the Mursi Formation, Lower Omo Valley, Ethiopia. *PaleoAnthropology*, A11.
- Richmond B.G., Hatala K.G., Behrensmeyer A.K., **Bobe** R., Braun D.R., Dingwall H.L., Green D.J., Kiura, P., Villmoare, B., Wunderlich, R., Harris, J. 2013. Hominin size, stature and behavior based on 1.5 million-year-old footprints from Ileret, Kenya. *PaleoAnthropology*, A32.
- Bostelmann, J.E., **Bobe**, R., Carrasco, G., Alloway, B.V., Santi-Malnis, P., Mancuso, A., Agüero, B., Alemseged, Z., Godoy, Y. 2012. The Alto Río Cisnes fossil fauna (Río Frías Formation, Early Middle Miocene, Friasian SALMA): a keystone and paradigmatic vertebrate assemblage of the South American fossil record. *Abriendo Ventanas al Pasado: Libro de Resúmenes III Simposio-Paleontología en Chile*, Punta Arenas 11-13 October 2012, pp. 42-45.
- Patterson, D., Du, A., **Bobe**, R., Behrensmeyer, A.K., Reed, D. 2012. Taphonomic comparison of modern East African owl pellets and the Kanapoi fossil micromammal assemblage. *Journal of Vertebrate Paleontology*, 155(A).
- Villaseñor, A., Behrensmeyer, A.K., **Bobe**, R. Reed, K. 2012. A tale of two basins: community structure dynamics through space and time in the Hadar and Turkana Basins, Ethiopia and Kenya. *Journal of Vertebrate Paleontology*, 189(A).
- Patterson, D., Du, A., Villaseñor, A., **Bobe**, R. Behrensmeyer, A.K., Reed, D. 2012. Testing raptor-accumulated assemblages: a taphonomic comparison of modern owl pellets and fossil micromammals. *PaleoAnthropology*, A26.
- Bobe**, R. 2012. Estimating turnover in fossil hominins from the Omo-Turkana Basin, Kenya and Ethiopia. *American Journal of Physical Anthropology Supplement* 147 (S54), 102.
- Bobe**, R. 2012. Faunal responses to climate change: late Miocene to middle Pleistocene. *Abstracts of the Annual Meeting of the American Association for the Advancement of Science*, Vancouver, Canada.
- Bobe**, R. 2011. Estimating stratigraphic first occurrences in rare taxa. Congreso Latinoamericano de Paleontología de Vertebrados, San Juan, Argentina. *Ameghiniana* 48(4), R38.
- Hakala, S., **Bobe**, R. 2011. Distribution of mammalian fauna during the early Pleistocene of the Koobi Fora Formation, East Turkana, Kenya. *PaleoAnthropology*, A15-A15.
- Behrensmeyer, A.K., **Bobe**, R. 2011. Questions, answers, and more questions: using databases to explore the taphonomy and paleoecology of the African hominin record. *American Journal of Physical Anthropology Supplement* 144 (S52), 86.

- Bobe, R.**, Behrensmeyer, A.K., Campisano, C., Levin, N., Hakala, S., Patterson, D., Villaseñor, A. 2011. The Turkana Basin 3.4 million years ago. *American Journal of Physical Anthropology Supplement* 144 (S52), 92-93.
- Reed, D., McPherron, S., Barr, W.A., Alemseged, Z., **Bobe, R.**, Geraads, D., Wynn, J. 2011. 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 Supplement* 144 (S52), 249-250.
- Bobe, R.**, 2010. The roots of human adaptation: a perspective from deep time. *Abstracts from the Annual Meeting of the American Anthropological Association*.
- Bobe, R.** 2010. Estimating time ranges in Plio-Pleistocene hominids. *Journal of Vertebrate Paleontology*, 61A.
- Hakala, S., **Bobe, R.** 2010. Lateral and temporal distribution of mammalian fauna from early Pleistocene Koobi Fora Formation, East Turkana. *Journal of Vertebrate Paleontology*, 100A.
- Cuddahee, R., Madden, R., Churchill, S., **Bobe, R.** 2010. Non-dietary abrasives and the dental evolution of Plio-Pleistocene Suidae (Artiodactyla: Mammalia). *Journal of Vertebrate Paleontology*, 77A.
- Bobe, R.** 2010. The ecological importance of abundance in early hominids. *American Journal of Physical Anthropology Supplement* 141 (S50), 69-70.
- Drapeau, M., **Bobe, R.** 2010. Renewed work in the Mursi Formation. *American Journal of Physical Anthropology Supplement* 141 (S50), 96.
- Cuddahee, R., Madden, R., Churchill, S., **Bobe, R.** 2010. Non-dietary abrasives and the evolution of hominin megadonty. *American Journal of Physical Anthropology Supplement* 141 (S50), 88-89.
- Drapeau, M., **Bobe, R.** 2009. Paleoanthropological work in the Mursi Formation, Lower Omo Valley, Ethiopia. *Program for the Thirty-Seventh Annual Meeting of the Canadian Association for Physical Anthropology*, 20.
- Bobe, R.** 2009. How abundant were Plio-Pleistocene hominins? EAAPP Conference, Arusha, 16-20 August 2009. *East African Association for Palaeoanthropology and Palaeontology Abstracts*.
- Cuddahee, R., Madden, R., **Bobe, R.**, 2009. All the dirt on megadontia: Earth surface processes in hominin evolution. EAAPP Conference, Arusha, 16-20 August 2009. *East African Association for Palaeoanthropology and Palaeontology Abstracts*.
- Bobe, R.**, Leakey, M., 2009. Timing the appearance of *Homo* in the Turkana Basin. *PaleoAnthropology* A4.
- Richmond, B., Mbua, E., Harris, J., Braun, D., Bamford, M., **Bobe, R.**, Green, D., 2009. A new hominin upper limb skeleton from Ileret, Kenya. *PaleoAnthropology* A31.
- Iminjili, V., Chirchir, H., **Bobe, R.**, 2009. The significance of systematic sampling in paleoenvironmental reconstruction: a case from Koobi Fora, Kenya. *American Journal of Physical Anthropology Supplement* 138 (S48), 154.
- Cuddahee, R., **Bobe, R.**, 2009. Variability selection and *Kolpochoerus heseloni* (Artiodactyla, Suidae): a model for the dichotomous morphologies of *Australopithecus afarensis*. *American Journal of Physical Anthropology Supplement* 138 (S48), 113.
- Richmond, B.G., Harris, J.W.K., Mbua, E., Braun, D.R., Bamford, M., **Bobe, R.**, Green, D.J., Griffin, N.L., McCoy, J.T., Merritt, S., Pante, M., Pobiner, B., Carter-Menn, H., Chirchir, H., Kiura, P., Kibunjia, M., 2009. Divergence

- in hominin upper limb anatomy in the early Pleistocene. *American Journal of Physical Anthropology* Supplement 138 (S48), 221.
- Bobe, R.** 2009. Ecological context of earliest *Homo* in the Omo-Turkana Basin. Darwin's Legacy: Early Human Evolution in Africa. American Museum of Natural History, New York, 8-9.
- Bobe, R.** 2008. Mamíferos cenozoicos y cambio ambiental en el Cono Sur. Simposio de Paleontología en Chile. *Book of Abstracts, First Conference of the Chilean Paleontology Association*.
- Cuddahee, R., **Bobe, R.** 2007. Multivariate ecomorphological analysis of feeding behavior in African Suidae (Artiodactyla, Mammalia). Society of Vertebrate Paleontology meetings, Austin, 18 October 2007. *Journal of Vertebrate Paleontology* 27(3), 63A.
- Bobe, R.,** Behrensmeyer, A.K. 2007. The Turkana Basin Paleontological Database: an archive of vertebrate evolution in eastern Africa. First EAAPP Conference, Nairobi, 19 July 2007. *East African Association for Palaeoanthropology and Palaeontology Abstracts*, 22-23.
- Bobe, R.,** Geraads, D., Reed, D., Alemseged, Z., Wynn, J. 2007. Faunal context of the Pliocene Dikika locality, Hadar Formation, Ethiopia. Paleoanthropology Society meetings, Philadelphia, 27 March 2007. *PaleoAnthropology*, A4.
- Alemseged, Z., Spoor, F., Kimbel, W.H., **Bobe, R.,** Geraads, D., Reed, D., Wynn, J.G. 2007. Paleoanthropological research at Dikika, Ethiopia and comparative morphology of the a juvenile hominin from DIK-1. Paleoanthropology Society meetings, Philadelphia, 27 March 2007. *PaleoAnthropology*, A1.
- Reed, D., Alemseged, Z., **Bobe, R.,** Geraads, D., McPherron, S., Wynn, J. 2007. Taphonomy and local paleoecology of the juvenile hominin from DIK-1, Ethiopia. Paleoanthropology Society meetings, Philadelphia, 27 March 2007. *PaleoAnthropology*, A26.
- Wynn, J., Alemseged, Z., **Bobe, R.,** Geraads, D., Reed, D., Roman, D. 2007. Geological and tectonic framework for the 3.8-0.6 Ma Dikika Research Project area, and its implications for the study of the paleoenvironments of human evolution in the Afar Depression, Ethiopia. Paleoanthropology Society meetings, Philadelphia, 27 March 2007. *PaleoAnthropology*, A35.
- Bobe, R.** 2007. Mammalian dispersals in the African Plio-Pleistocene. Modelling Hominid Dispersals Conference, Montréal, 2 March 2007.
- Bobe, R.,** Behrensmeyer, A.K. 2006. Faunal evidence of environmental change in the Early Pleistocene of East Africa. Nairobi, 24 July 2006. *Out of Africa Conference Abstracts*, 13-14.
- Bobe, R.** 2005. Diversity and turnover in bovids from the Turkana and Hadar Basins, Kenya and Ethiopia. Paleoclimates and Human Evolution Workshop, Front Royal, Virginia, 18 November 2005.
- Bobe, R.** 2005. Late Cenozoic paleoclimate and mammalian evolution in Africa and South America. II CLPV, Rio de Janeiro, 10 August 2005. *Boletim de Resumos II Congresso Latino-Americano de Paleontologia de Vertebrados*, 52-53.
- Behrensmeyer, A.K., **Bobe, R.,** Campisano, C. 2005. Change through time in mammalian abundance and diversity in the East African Mio-Pleistocene fossil record. North American Paleontological Convention, Halifax, Canada, 21 June 2005. *PaleoBios* 25 Suppl. to No. 2, 18-19.
- Behrensmeyer, A.K., **Bobe, R.,** Campisano, C., Levin, N. 2004. High resolution taphonomy and paleoecology of the Plio-Pleistocene Koobi Fora Formation, northern Kenya, with comparisons to the Hadar Formation,

- Ethiopia. 64th Annual Meeting of the Society of Vertebrate Paleontology, Denver, 4 November 2004. *Journal of Vertebrate Paleontology* 24 (3), 38A.
- Bobe, R.** 2004. African ecology and the evolution of large terrestrial vertebrates during the Cenozoic. 7th International Congress of Vertebrate Morphology, Boca Raton, Florida, 28 July 2004. *Journal of Morphology* 260(3), 279.
- Haradon, C., Behrensmeyer, A.K., **Bobe, R.**, Wood, B. 2004. Are early hominin hypodigms biased samples? 73rd Annual Meeting of the American Association of Physical Anthropologists, Tampa, Florida, 16 April 2004. *American Journal of Physical Anthropology* Supplement 123 (S37), 108.
- Bobe, R.**, Ferraro, J., Bishop, L., Plummer, T., Alemseged, Z. 2004. Late Pliocene hominin paleoenvironments in the lower Omo valley, Ethiopia: new data from bovid ecomorphic studies. Paleoanthropology Society Meetings, Montréal, 30 March 2004. *PaleoAnthropology*, A34.
- Campisano, C., Behrensmeyer, A.K., **Bobe, R.**, Levin, N. 2004. High resolution paleoenvironmental comparisons between Hadar and Koobi Fora: preliminary results of a combined geological and paleontological approach. Paleoanthropology Society Meetings, Montréal, 30 March 2004. *PaleoAnthropology*, A35.
- Bobe, R.**, Ortiz-Jaureguizar, E., Behrensmeyer, A.K. 2003. Patterns of mammalian community evolution in South America and Africa during the late Neogene in relation to climatic and environmental change. Annual Meeting of the Geological Society of America, Seattle, 2 November 2003. *Geological Society of America Abstracts with Program* 35(6), 60.
- Bobe, R.** 2003. Patterns of diversity in Pliocene and Pleistocene bovids from the Turkana Basin, Kenya and Etiopía. 63rd Annual Meeting of the Society for Vertebrate Paleontology, St. Paul, Minnesota, 17 October 2003. *Journal of Vertebrate Paleontology* 23(3), 35.
- Bobe, R.**, Behrensmeyer, A.K., Eck, G.G., Leakey, L.N. 2003. A comparative approach to faunal change in the Hadar and Turkana regions. 72nd Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona, 24 April 2003. *American Journal of Physical Anthropology* Supplement 120 (S36), 69.
- Behrensmeyer, A.K., Alemseged, Z., **Bobe, R.** 2003. Key issues in the analysis of faunal changes across the East African Pliocene. 72nd Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona, 24 April 2003. *American Journal of Physical Anthropology* Supplement 120 (S36), 64.
- Alemseged, Z., **Bobe, R.**, Geraads, D. 2003. Hominid environments and faunal change in the lower Omo valley: A comparison of the French and American database. 72nd Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona, 24 April 2003. *American Journal of Physical Anthropology* Supplement 120 (S36), 57-58.
- Behrensmeyer, A.K., **Bobe, R.**, Potts, R. 2003. Ecosystem disruption and the emergence of the genus *Homo* in East Africa. Annual Meeting of the American Association for the Advancement of Science, Denver.
- Bobe, R.**, Carrasco, G., Behrensmeyer, A.K. 2002. Paleoclima y la evolución de los mamíferos terrestres en el Plioceno. First Congress of Latin American Vertebrate Paleontology, Santiago, Chile, 29 October 2002. *Resúmenes del Primer Congreso Latinoamericano de Paleontología de Vertebrados*, 18-19.
- Bobe, R.**, Eck, G.G. 2002. Patterns of faunal and environmental change in the Hadar Formation, Ethiopia. 71st Annual Meeting of the American Association of Physical Anthropologists, Buffalo, 12 April 2002. *American Journal of Physical Anthropology* Supplement 117 (S34), 45-46.

- Bobe, R., Behrensmeyer, A.K.** 2001. Environmental variability and the habitats of Pliocene hominins. 100th Annual Meeting of the American Anthropological Association, Washington, 29 November 2001. *Book of Abstracts, American Anthropological Association*.
- Bobe, R., Behrensmeyer, A.K.** 2001. Environmental variability, expanding grasslands, and the rise of the genus *Homo* in Africa. North American Paleontological Convention, Berkeley, California, 30 June 2001. *PaleoBios* 21 Suppl. to No. 2, 33.
- Bobe, R., Behrensmeyer, A.K.** 2001. Environmental variability and the evolution of the genus *Homo*. 70th Annual Meeting of the American Association of Physical Anthropologists, Kansas City, Missouri, 30 March 2001. *American Journal of Physical Anthropology* Supplement 114 (S32), 41. [Featured in *Science News* 159, 232]
- Behrensmeyer, A.K., **Bobe, R.** 2000. Evolving databases: examples from the late Cenozoic of Africa. Annual Meeting of the Geological Society of America. *Geological Society of America Abstracts with Program* 32(7), 130.
- Behrensmeyer, A.K., **Bobe, R., Frost, S.** 2000. Evidence for climatic forcing in the Plio-Pleistocene of East Africa. Royal Swedish Academy of Sciences symposium, Stockholm, 14 May 2000. *Abstracts, The Origin of Humankind and the Environment*.
- Bobe, R., Behrensmeyer, A.K.** 1999. Taphonomy and Paleoecology of the Pliocene lower Omo valley, Ethiopia. 59th Annual Meeting of the Society of Vertebrate Paleontology, Denver, 22 October 1999. *Journal of Vertebrate Paleontology* 19(3), 32A.
- Bobe, R.** 1999. Faunal responses to climatic change in the East African Plio-Pleistocene. XV INQUA International Congress, Durban, South Africa, 9 August 1999. In Lee-Thorp, J., Clift, H. (eds.), *The Environmental Background to Hominid Evolution in Africa. INQUA XV International Congress, Book of Abstracts*, 25.
- Behrensmeyer, A.K., **Bobe, R.** 1999. Change and continuity in Plio-Pleistocene faunas in the Turkana Basin, Kenya and Ethiopia. In XV INQUA International Congress, Durban, South Africa, 9 August 1999. In Lee-Thorp, J., Clift, H. (eds.), *The Environmental Background to Hominid Evolution in Africa. INQUA XV International Congress, Book of Abstracts*, 20.
- Bobe, R., Behrensmeyer, A.K.** 1999. Environmental changes in early hominid evolution derived from analysis of fossil mammals from the lower Omo valley, Ethiopia. Paleoanthropology Society meetings, Columbus, Ohio, 27 April 1999. *Journal of Human Evolution* 36(4), A3.
- Bobe, R.** 1997. Paleoclimate and the origins of the genus *Homo*: Evidence from the lower Omo valley, Ethiopia. 78th Annual Meeting of the Pacific Division, AAAS, Corvallis, Oregon. *Proceedings of the Pacific Division, American Association for the Advancement of Science* 16(1), 42. [Award for Excellence from the American Association for the Advancement of Science]
- Bobe, R.** 1997. Hominid environments and paleoecology in the East African Pliocene. 66th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Missouri, 4 April 1997. *American Journal of Physical Anthropology* Supplement 104 (S24), 78.
- Bobe, R.** 1996. Pliocene environmental changes derived from faunal analysis of the Shungura Formation, Ethiopia. 56th Annual Meeting of the Society of Vertebrate Paleontology, New York, 19 October 1996. *Journal of Vertebrate Paleontology* 16(3), 23A.
- Bobe, R.** 1995. Fossils, climate, and human evolution: Late Pliocene environmental changes and hominid evolutionary divergence. Graduate and Professional Student Research Forum, Seattle, 15 April 1995. *Chimaera* 2, 8.

SYMPOSIA & WORKSHOP CONTRIBUTIONS

- 2017 Faunal indicators of ecological stability and change in the Pliocene and Pleistocene of eastern Africa. Invited presentation at the *Quantitative approaches to paleontology, conservation, and climate change biology in Africa symposium and workshop*, Integrative Climate Change Biology Programme, National Museums of Kenya, Nairobi, Kenya, 6-8 March 2017 (paper presented on 7 March).
- 2016 *African Rift Valley Research Consortium*. Workshop organized by ARVRC, New York University, New York, 7-8 October 2016.
- 2014 Field-collecting strategies at Pliocene and Pleistocene sites in eastern Africa. Invited presentation for the workshop *Contrasting faunal communities of ancient terrestrial ecosystems*. Organized by A. Mancuso, R. Irmis, A.K. Behrensmeyer, International Palaeontological Congress, Mendoza, Argentina, 2 October 2014.
- 2014 Mosaic habitats and refugia in the Plio-Pleistocene Omo-Turkana Basin, Ethiopia and Kenya. Invited presentation for symposium *The role of mosaic habitats in hominin evolution*. Organized by A. Rector and Y. Haile-Selassie at the Annual Meeting of the American Association of Physical Anthropologists, Calgary, Canada, 12 April 2014.
- 2013 *The paleobiology, taxonomy, and paleoecology of early Australopithecus: a collaborative approach to synthesizing the evidence*, symposium organized by Y. Haile-Selassie and Z. Alemseged, Cleveland Museum of Natural History, 19-21 September 2013.
- 2012 Paleoclimate and the evolution of East African mammals. Invited presentation, symposium: *Did climate change shape human evolution?* Organized by Peter deMenocal at the Lamont-Doherty Earth Observatory, Palisades, New York, 19-20 April 2012.
- 2012 *Community assembly and disassembly*, workshop organized by the Evolution of Terrestrial Ecosystems Program, Smithsonian Institution, Washington DC, 25-26 February 2012.
- 2012 Faunal responses to climate change from the Late Miocene to the Middle Pleistocene. Invited presentation, *Environmental influences on human genetic and cultural evolution* symposium organized at the Simon Fraser University Human Evolutionary Studies Program, Vancouver, 16 February 2012.
- 2011 *Multidisciplinary laboratory research on the DIK-1-1 (Selam) skeleton at the National Museum of Ethiopia*, workshop organized by Z. Alemseged, Addis Ababa, 3-7 October 2011.
- 2011 Estimating stratigraphic first occurrences in rare taxa. Invited presentation for symposium: *Vertebrate Taphonomy: Methods and Applications*, organized by C. Colombi at the Latin American Conference on Vertebrate Paleontology, San Juan, Argentina, 22-24 September 2011.
- 2011 *Data management in the 21st century: integrating bio- and geo-informatics in physical anthropology*, organized by D. Reed and C. Campisano, Minneapolis, 15 April 2011.
- 2011 The Turkana Basin 3.4 million years ago. Invited presentation for symposium: *Integrating multiproxy approaches in developing primate/hominin paleoecological frameworks*, organized by A. Rector and K. Reed, Minneapolis, 15 April 2011.
- 2011 *Earth surface processes in the evolution of mammalian tooth shape*, workshop organized R. Madden and by the National Evolutionary Synthesis Center, Durham, North Carolina, 27-29 April 2011.
- 2009 *Paranthropus boisei in context: half a century after Zinj*, workshop organized by F. Grine and Stony Brook

- University, Nairobi and West Turkana, Kenya, 8-14 August 2009.
- 2009 *Darwin's legacy: early human evolution in Africa*, international conference organized by the New York Consortium in Evolutionary Primatology, American Museum of Natural History, New York, 28 February - 1 March 2009.
- 2008 *Stranger than we can suppose: evaluating ecological possibility – past, present, and future*, workshop organized by the Evolution of Terrestrial Ecosystems Program, Smithsonian Institution, Washington, DC, 12-14 September 2008.
- 2008 *Opportunities and priorities for future field research in the Turkana Basin*, workshop convened by Richard Leakey and organized by the Turkana Basin Institute and Stony Brook University, Nairobi and Ileret, Kenya, 17-24 August, 2008.
- 2008 *Earth system context for hominin evolution*, workshop organized by the National Research Council to formulate priorities for future research, Irvine, California, 21-22 February 2008.
- 2007 *Paleontological powers of ten: issues of scale in paleoecology*, workshop organized by the Evolution of Terrestrial Ecosystems Program, Smithsonian Institution, Washington, 13-16 September 2007.
- 2007 *Modeling hominid dispersals*, workshop organized at the Université de Montréal and McGill University, Montreal, Canada, 1-3 March 2007.
- 2005 *Paleoclimates and human evolution: integrating continental drilling research with paleoanthropology and other geological records*, research conference organized by the US Consortium for Continental Scientific Drilling, Front Royal, Virginia, 17-20 November 2005.
- 2001 *Integrating chronostratigraphic databases for the 21st century*, workshop organized by the Chronos Steering Committee, Amherst, Massachusetts, 8-10 November 2001.

OTHER INVITED LECTURES & PUBLIC PRESENTATIONS

- The ecological importance of abundance in early hominins. Palaeolithic and Quaternary Seminars, University of Oxford, 1 December 2016.
- Ecology of the Turkana Basin 1.5 million years ago: implications for hominin evolution. Research Laboratory for Archaeology and the History of Art, University of Oxford, 18 October 2016.
- The ecology of early hominins. Summer course: *Journey of the evolving mind: Brains and behavioural evolution in modern apes and extinct human ancestors*. Universidad de Verano de Teruel, Spain, 17 September 2016.
- Evolution of the Primates in ecological context. Summer course: *Journey of the evolving mind: Brains and behavioural evolution in modern apes and extinct human ancestors*. Universidad de Verano de Teruel, Spain, 16 September 2016.
- Evolution of the Primates. Gorongosa National Park, Course on Mammals of Mozambique, Chitengo, Mozambique, 18 August 2016.
- The ecology of earliest *Australopithecus*. Bioarchaeology Seminar, Research Laboratory for Archaeology and the History of Art, University of Oxford, Oxford, 19 November 2015.

Ecological refugia and Plio-Pleistocene human evolution. Distinguished Lecture Series, Quaternary Research Center at the University of Washington, Seattle, 23 April 2015.

Ecología de nuestros orígenes en Africa. Invited by the International Palaeontological Congress, outreach presentation to the public, Mendoza, Argentina, 3 October 2014.

Paleoecology of early *Australopithecus* in eastern Africa. Invited presentation for the Human Origins Program, NMNH, Smithsonian Institution, Washington DC, 26 February 2014.

¿Somos todos africanos? Lo que sabe la ciencia sobre el origen del ser humano. Invited presentation at Universidad Mayor, Santiago, Chile, 7 November 2013.

An introduction to the fossil record of primate evolution. Presented at the Departamento de Ciências da Vida (Antropologia), Universidade de Coimbra, Portugal, 1 November 2013.

Origin and environments of the earliest South American primates. Presented at the IV meeting of Chilean Scientists in the US, organized by the Chilean Embassy, Rockville, MD, 11 October 2013.

Primate communities in the Omo-Turkana Basin, Ethiopia and Kenya, *circa* 3.4 million years ago. Presented at the workshop *Percussive technologies in human evolution: a comparative approach*, Kyoto University, Japan, 25 September 2013.

Ecology of Plio-Pleistocene hominins in Eastern Africa. Department of Archaeology and Biological Anthropology, University of Cambridge, UK, 27 February 2013.

Climate and early human evolution in East Africa. Departamento de Ciências da Vida (Antropologia), Universidade de Coimbra, Portugal, 23 November 2012.

Paleoclimate and the evolution of East African mammals. Presented at the symposium titled *Did climate change shape human evolution?* Columbia University's Lamont-Doherty Earth Observatory, 20 April 2012.
Available online: <http://www.youtube.com/watch?v=bSmd4045kx4>

Australopithecus afarensis: anatomical and behavioral evidence from Dikika, Ethiopia. Quaternary Studies Program at Rutgers University, 5 April 2012.

Australopithecus y los orígenes de la tecnología en Africa. Universidad de Chile, Santiago, 29 December 2011.
Available online: <http://sciencestage.com/v/61562/australopithecus-y-los-inicios-de-la-tecnologia-en-frica.html>

Dikika: A window into the African Pliocene. Département d'anthropologie, Université de Montréal, Canada, 31 March 2011.

The paleontological potential of Chilean Patagonia. Centro de Investigación de Ecosistemas de la Patagonia, Coyhaique, Chile, 10 March 2011.

Lucy, I'm home! Humanity's six-million-year journey. Darwin Day at the University of Georgia, 12 February 2010.

Paleoecology of earliest *Homo*: current paleontological research in Kenya and Ethiopia. Department of Anthropology, Emory University, Atlanta, 29 October 2009.

Paleoecology of Plio-Pleistocene hominids in East Africa. Department of Geology, Georgia State University, Atlanta, 24 September 2009.

Ecological context of *Paranthropus* in East Africa. Stony Brook Human Evolution Symposium and Workshop, Convened by Richard Leakey, Nairobi and West Turkwel, 8-14 August 2009.

Ecological context of earliest *Homo* in the Omo-Turkana Basin. International conference on *Darwin's Legacy: Early Human Evolution in Africa*. New York Consortium on Evolutionary Primatology, American Museum of Natural History, New York, 1 March 2009.

Chile: a paleontological perspective on modern landscapes. 2008. *Educational Forum for Globalization on Culture, Research, and Teaching*. University of Georgia, Athens, 1 April 2008.

Our African origins. Annual meeting of the Georgia Science Teachers Association, Athens, 15 February 2008.

Orígenes de la especie humana y su dispersión por la Tierra. Museo Nacional de Historia Natural, Santiago, Chile, 14 December 2007.

Homínidos en transición. Departamento de Antropología, Universidad de Chile, Santiago, 12 December 2007.

Ecology of East African mammals in the Plio-Pleistocene. Department of Geology, University of Georgia, Athens, 27 September 2007.

Paleoanthropology in Ethiopia's Afar Triangle. Department of Anthropology, University of Georgia, Athens, 13 April 2007.

Paleontological context of Pliocene hominins at Dikika, Hadar Formation, Ethiopia. Center for the Advanced Study of Hominid Paleobiology, George Washington University, Washington DC, 11 April 2007.

Human origins research in the East African Rift Valley. 2007 Educational Forum for Globalization on Culture, Research, and Teaching. University of Georgia, Athens, 2 April 2007.

Fossil mammals and environments in the East African Plio-Pleistocene. Department of Anatomical Sciences, Stony Brook University, New York, 9 November 2006.

Human evolution and environmental change: faunal evidence from the late Cenozoic of East Africa. Department of Geology, University of South Florida, Tampa, Florida, 29 September 2006.

Paleoecología y evolución humana en el Plioceno. Instituto de Ecología y Biodiversidad, Universidad de Chile, Santiago, Chile, 13 June 2006.

Evolución humana. Museo Nacional de Historia Natural, Santiago, Chile, 2006.

Primate evolution and environmental change in Africa and South America: the joys of fieldwork on two continents. Anthropology Club, University at Buffalo, New York, 5 October 2005.

Evolución humana en Africa en relación a cambios climáticos y ambientales. Museo Nacional de Historia Natural, Santiago, Chile, 20 August 2005.

Climate change and the evolution of African mammals in the late Cenozoic. Graduate Student Association, University at Buffalo, New York, 28 January 2005.

Environmental change and human evolution in the East African Pliocene. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany, 2005.

Evolución humana y medio ambiente en el Plioceno africano. Departamento de Antropología, Universidad de Chile, Santiago, Chile, 2002.

Climate and the evolution of Pliocene African mammals. Department of Vertebrate Zoology, Smithsonian Institution, Washington, D.C, 2001.

Responses of East African mammals to Plio-Pleistocene climatic change. New York Consortium for Evolutionary Primatology, New York, 2000.

Responses of African mammals to Pliocene climatic changes. Paleontological Society of Washington, Washington, D.C., 1999.

Hominid environments in the Late Pliocene: faunal evidence from the lower Omo Valley, Ethiopia. Smithsonian Institution, Washington, D.C., 1997.

Los orígenes del género *Homo* en relación a cambios climáticos en Africa. Centro de Desarrollo de la Persona, Santiago, Chile, 1997.

Cambios climáticos y ambientales en la evolución de los homínidos. Department of Ecological Sciences, University of Chile, Santiago, Chile, 1995.

Fossils, climate, and human evolution: Late Pliocene environments and the origins of the genus *Homo*. Chimaera Symposium, University of Washington, Seattle, 1994.

Aspectos antropológicos en la evolución del cerebro humano. 1987. Paper given at the Annual Student Symposium series, Universidad Católica de Chile, Santiago, Chile, 1987.

Presentations on evolution to school children:

- High School Colegio Antoine de Saint-Exupéry, Coyhaique, Chile, 14 March 2011
- Middle school La Tapera, western Patagonia, Chile, 11 March 2011
- Kilpatrick Middle School, Santiago, Chile, 2011
- Woodburn Elementary School, Annandale, Virginia, USA, 1998
- Laurelhurst Elementary School, Seattle, Washington, USA, 1994-1997

SYMPOSIA & WORKSHOPS ORGANIZED

- 2015 Tejedor, M., **Bobe**, R., organizers and chairs, V Latin American Congress of Vertebrate Paleontology, Symposium Origin and Evolution of Platyrrhine Primates, Colonia, Uruguay, 22 September 2015.
- 2004 Behrensmeyer, A.K., **Bobe**, R., Alemseged, Z., organizers and chairs, Evolution of Terrestrial Ecosystems Workshop on *Faunal Evidence for Hominin Paleoecology in East Africa*. Smithsonian Institution, Washington, D.C., May 21-23, 2004.
- 2003 **Bobe**, R., Alemseged, Z., Behrensmeyer, A.K., organizers and chairs, American Association of Physical Anthropologists Symposium: *Hominid Environments and Paleoecology in the East African Pliocene*. Tempe, Arizona, April 24, 2003.

FIELDWORK

- 2017 Gorongosa NP, Mozambique - survey and collection of Mio-Pliocene fossil vertebrates, July-August 2017.
- 2016 Gorongosa NP, Mozambique - survey and collection of Mio-Pliocene fossil vertebrates and fossil wood, August 2016.
- 2015 Mille-Logya, Afar, Ethiopia - survey and collection of Pliocene-Pleistocene fossil vertebrates, Mille-Logya Project, November 2015.
- 2014 Kanapoi, Kenya - Pliocene Kanapoi Formation, vertebrate paleobiology and paleoecology, June 2014.
- 2013 Kanapoi, Kenya - Pliocene Kanapoi Formation, vertebrate paleobiology and paleoecology, June 2013.
- 2012 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, May-July 2012.
- 2011 Patagonia, Chile - Geological and paleontological survey of Miocene vertebrates from Alto Río Cisnes, December 2011.
- 2011 West Turkana, Kenya - South Turkwel (Pliocene) and Esha (Miocene) localities, survey and collection of fossil vertebrates with the Turkana Basin Field School, October 2011.
- 2011 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, July 2011.
- 2011 Omo Valley, Ethiopia - Mursi Formation, paleontological survey of Pliocene deposits, May 2011.
- 2009 Omo Valley, Ethiopia - Mursi Formation, paleontological survey of Pliocene deposits, June 2009.
- 2009 Dikika, Ethiopia - survey and excavation of fossil vertebrates, paleoenvironmental context, Hadar and Busidima Formations, Dikika Research Project, January 2009.
- 2008 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, July 2008
- 2008 Akaki River area, Ethiopia - survey and documentation of Pleistocene archeological and paleontological localities, June 2008 (R. Bobe, project director).
- 2007 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, July 2007.
- 2007 Bala-Weyto, Ethiopia - paleontological and archeological survey of Pleistocene sediments, June-July 2007.
- 2006 Altiplano, Chile - Paleontological survey and collection of fossil vertebrates from the Miocene Chucal and Huaylas Formations, January 2006.
- 2005 Patagonia, Chile - Geological survey of Miocene vertebrates from Alto Río Cisnes and Puerto

- Guadal, February 2005.
- 2004 Laetoli, Tanzania - Survey and excavations of fossil mammals and trace fossils, Laetolil and Ndolanya Beds, July 2004.
- 2003 Dikika, Ethiopia - survey and excavation of fossil vertebrates, paleoenvironmental context, Hadar and Busidima Formations, Dikika Research Project, November-December 2003.
- 2003 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, July 2003.
- 2002 Amboseli National Park, Kenya - taphonomic study of modern vertebrate bone accumulations, August 2002.
- 2002 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, July 2002.
- 2002 Dikika, Ethiopia - survey and excavation of fossil vertebrates, paleoenvironmental context, Hadar and Busidima Formations, Dikika Research Project, January 2002.
- 2001 Amboseli National Park, Kenya - taphonomic study of modern vertebrate bone accumulations, July 2001.
- 2000 Hadar, Ethiopia - survey and excavation of fossil vertebrates and archeological artifacts, paleoenvironmental context, Hadar and Busidima Formations, Hadar Research Project, October-November 2000.
- 2000 East Turkana, Kenya - Koobi Fora Formation, Pliocene and Pleistocene fossil vertebrates and paleoecology, August 2000.
- 2000 Patagonia, Chile – Geological and paleontological survey of Miocene vertebrates in Lonquimay, January 2000.
- 1999 Olorgesailie, Kenya - Survey and excavation of Pleistocene deposits, Olorgesailie Formation, August 1999.
- 1994 Hadar, Ethiopia - survey and excavation of fossil vertebrates and archeological artifacts, paleoenvironmental context, Hadar and Busidima Formations, Hadar Research Project, September-December 1994.
- 1994 Mogollon Highlands, New Mexico - Crew-chief, mapping crew, University of Washington Mogollon Highlands Archeology Field School, June-August 1994.
- 1994 Central Andes, Chile - Survey and collection of Tertiary mammals from the Abanico Formation, January 1994.
- 1993 Black Rock Desert, Nevada - Excavation of Late Pleistocene mammoth remains at Delong Mammoth Site, August 1993.

MUSEUM DATA COLLECTION

1994-2015 National Museum of Ethiopia, Study of Miocene-Pleistocene fossil vertebrates from Omo,

	Addis Ababa	Hadar, Dikika
1999-2015	National Museums of Kenya, Nairobi	Study of Miocene-Pleistocene fossil vertebrates from the Turkana Basin
1998-2012	National Museum of Natural History, Washington DC	Study of modern vertebrate osteology collections: bovids, suids, primates
2010-2015	Museo Nacional de Historia Natural, Santiago de Chile	Study of fossil vertebrates from Patagonia and the Andes
1996-1997	Burke Museum of Natural History, Seattle	Curatorial Assistant for fossil mammals

TEACHING**Classes at Universidad de Chile, Departamento de Antropología**

2016-2017	<i>Evolución de Primates</i>	(undergraduate)
2016-2017	<i>Paleontología Humana</i>	(undergraduate)
2016	<i>Antropología Física I</i>	(undergraduate)

Classes at the George Washington University, Hominid Paleobiology Program

2014	<i>Climate and Human Evolution</i>	HONR 4047 (undergraduate)
2014	<i>Problem-Based Learning</i>	HOMP8301 (graduate)
2013	<i>Faunal Analysis</i>	ANTH3839 (graduate/undergraduate)
2012	<i>Hominid Paleoecology</i>	ANTH6412 (graduate)
2011-2014	<i>Introduction to Biological Anthropology</i>	ANTH1001 (undergraduate)
2011-2015	<i>Hominid Paleoecology Supervised Research</i>	HOMP8000 (graduate)

Classes at the University of Georgia, Biological Anthropology Program

2011	<i>Paleoecology & Paleoclimate</i>	ANTH8500 (graduate)
2010	<i>Evolution of Human Ecosystems</i>	ANTH8420 (graduate)
2009	<i>Fossils & Human Evolution</i>	FRES1020 (undergraduate)
2007-2010	<i>Primate Ecology & Evolution</i>	ANTH4740 (graduate/undergraduate)
2007-2010	<i>Paleoanthropology</i>	ANTH4061 (graduate/undergraduate)
2007-2010	<i>Human Osteology</i>	ANTH4730 (graduate/undergraduate)
2006-2010	<i>Human Origins</i>	ANTH4010 (graduate/undergraduate)
2006-2011	<i>Introduction to Biological Anthropology</i>	ANTH3040 (undergraduate)

Classes at the State University of New York at Buffalo, Biological Anthropology Program

2005	<i>Human Origins</i>	APY557 (graduate)
2004	<i>Human Paleontology</i>	APY561 (graduate)
2006	<i>Primate Ecology & Evolution</i>	APY547 (graduate/undergraduate)
2004-2006	<i>Introduction to Physical Anthropology</i>	APY107 (undergraduate)

Field School Instructor

2008-2012	<i>Koobi Fora Field School, Kenya</i>	Rutgers University, GWU
-----------	---------------------------------------	-------------------------

2011	<i>Turkana Basin Field School, Kenya</i>	Stony Brook University
1994	<i>Mogollon Highlands Field School, New Mexico</i>	University of Washington

GRADUATE STUDENT MENTORING

PhD dissertations, committee chair (thesis director):

- Rebecca Cuddahee, PhD 2008, *East African hominin and suid environments in the Turkana Basin: an analysis of fossil Suidae (Mammalia, Artiodactyla) mandibular ecomorphology*, Dept. of Anthropology, SUNY Buffalo.
- David Patterson, PhD 2016, *Ecosystem evolution and hominin ecology between 2.0 and 1.4 Ma at East Turkana, northern Kenya*, Hominid Paleobiology, George Washington University.
- Amelia Villaseñor, PhD 2017, *Diversity in the middle Pliocene: a multi-proxy analysis of climate's effect on vegetation and mammalian community structure with implications for human evolution*, Hominid Paleobiology, George Washington University.
- Laurence Dumouchel, PhD Candidate 2016, *The environments of the earliest Australopithecus*, Hominid Paleobiology, George Washington University.
- Enquye Wondimu Negash, PhD Candidate 2017, *Modelling vegetation structure in modern ecosystems: implications for hominin landscape dynamics*, Hominid Paleobiology, George Washington University.

PhD dissertations, committee member:

- Richard Gonzalez, PhD 2006, *Sexual dimorphism in the craniofacial form of North American juveniles of European descent*, Dept. of Anthropology, SUNY Buffalo.
- Noëlle Gunst, PhD 2008, *The ontogeny of foraging skills in brown wild capuchins (Cebus paella): developmental perspective on the acquisition of ecological competence*, Institute of Ecology, University of Georgia.
- Jack McCoy, PhD 2009, *Ecological and behavioral implications of new archaeological occurrences from Upper Burgi exposures at Koobi Fora, Kenya*, Dept. of Anthropology, Rutgers University.
- Christopher Dagg, PhD 2009, *Ishoku Dougen – the medicinal use of plants and clay by wild Japanese macaques (Macaca fuscata yakui)*, Dept. of Anthropology, University of Georgia.
- Carol Colaninno, PhD 2010, *Zooarchaeological analysis of vertebrate remains from five Late Archaic shell rings on the Georgia coast, USA*, Dept. of Anthropology, University of Georgia.
- Jessica Scott, PhD 2012, *Dental Microwear Texture Analysis of Pliocene Bovids from Four Early Hominin Fossil Sites in Eastern Africa: Implications for Paleoenvironmental Dynamics and Human Evolution*, Environmental Dynamics, University of Arkansas.
- Seri Chapman-Beall, PhD 2012, *Explorations in paleoanthropology: a teacher's reflections on middle school students' learning about human evolution using 3-D hominin skulls*, Science Education, University of Georgia.
- Andrew Barr, PhD 2014, *The paleoenvironments of early hominins in the Omo Shungura Formation (Plio-Pleistocene, Ethiopia): synthesizing multiple lines of evidence using phylogenetic ecomorphology*, Dept. of Anthropology, University of Texas-Austin.
- Andrew Du, PhD 2016, *The role of scale in ecological inference: implications for interpreting hominin paleoecology*, Hominid Paleobiology, George Washington University.

MA/MS students, committee member:

- Kimberley Nguyen, MA 2006, Department of Anthropology, SUNY Buffalo
- Jacklyn Ramsey, MA 2007, Department of Anthropology, SUNY Buffalo
- Emily Hammerl, MA 2007, Department of Anthropology, SUNY Buffalo
- Allison Eury, MA 2010, Department of Psychology, University of Georgia
- Peter Lanzarone, MS 2011, Department of Geology, University of Georgia
- Alice Fazlollah, MS 2011, Department of Anthropology, University of Georgia
- Sarah Hakala, MS 2012, Department of Anthropology, University of Georgia

Felipe Torres, Facultad de Ciencias, Universidad Austral de Chile

PROFESSIONAL SERVICE

2016-2017 Guest Editor, *Journal of Human Evolution*
 2012-2017 Associate Editor, *Journal of Human Evolution*
 2014-2015 Scientific Committee, Latin American Congress of Vertebrate Paleontology
 2008-2011 Advisory Board, *Journal Ecological and Environmental Anthropology*

Reviewer for granting institutions (number of reviews in parentheses)

2002-2016 National Science Foundation external reviewer (18)
 2009-2011 National Science Foundation, Physical Anthropology Senior Panel (65)
 2005-2007 National Science Foundation, Physical Anthropology DDIG (76)
 2006-2014 The Leakey Foundation (18)
 2008-2011 National Geographic Society (5)
 2003-2004 Smithsonian Institution Fellowships (2)
 2015 Deutsche Forschungsgemeinschaft-DFG (1)
 2015 Leverhulme Trust (1)
 2003 MacArthur Foundation Fellowships (2)

Reviewer for journals (number of reviews in parentheses)

Nature (2), *Science* (1), *Proceedings of the National Academy of Sciences* (2), *Philosophical Transactions B* (1), *PLoS ONE* (2), *Journal of Human Evolution* (12), *Evolutionary Anthropology* (4), *Yearbook of Physical Anthropology* (1), *PaleoAnthropology* (1), *Journal of Mammalian Evolution* (1), *Paleobiology* (3), *Palaios* (1), *Ameghiniana* (1), *Palaeogeography, Palaeoclimatology, Palaeoecology* (3), *Quaternary International* (1), *Quaternary Science Reviews* (3), *Geology* (2), *Journal of African Earth Sciences* (2), *Journal of Biogeography* (1), *African Journal of Ecology* (1), *Naturwissenschaften* (1), *South African Journal of Science* (1)

Reviewer for book publishers and book chapters (number of reviews in parentheses)

Book chapters (13), Oxford University Press book evaluations (2), Cambridge University Press book evaluations (2), University of Colorado Press book evaluation (1), Thomson-Wadsworth book evaluation (1), Norton book evaluation (1)

PROFESSIONAL SOCIETY MEMBERSHIP

2015- European Society for the Study of Human Evolution
 2011- Sociedad Chilena de Antropología Biológica
 2007- East African Association for Paleontology and Paleoanthropology (founding member)
 1999- PaleoAnthropology Society
 1996- Society of Vertebrate Paleontology
 1996- American Association of Physical Anthropologists