

# John Rowan

*curriculum vitae*

Postdoctoral Fellow

Department of Anthropology

University of Massachusetts Amherst, Amherst MA 01003

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## EDUCATION

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- Current Postdoctoral Fellow, Anthropology  
University of Massachusetts Amherst, Amherst MA
- 2018 Ph.D., Evolutionary Anthropology  
Arizona State University, Tempe AZ  
Chair: Kaye E. Reed
- 2014 M.A., Evolutionary Anthropology  
Arizona State University, Tempe AZ  
Chair: Kaye E. Reed
- 2012 B.A., Biology (cum laude, Phi Beta Kappa, Program Distinction)  
Stockton University, Galloway NJ

## JOURNAL ARTICLES (PEER-REVIEWED)

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- In Press Faith, J. T., **Rowan, J.**, Du, A., Koch, P. L. Plio-Pleistocene decline of megaherbivore diversity in eastern Africa: no evidence for ancient hominin impacts. *Science*.
- In Revision Robinson, J. R., Du, A., **Rowan, J.**, Lazagabaster, I. A., Behrensmeyer, A. K. Stable carbon isotopes from paleosol carbonate and herbivore enamel document differing paleovegetation signals in the eastern African Plio-Pleistocene. *Review of Palaeobotany and Palynology*.
- In Review Du, A., **Rowan, J.**, Wang, S. C., Wood, B. A., Alemseged, Z. Estimated origination and extinction ages shed light on the evolutionary relationships of the *Australopithecus anamensis-afarensis* lineage. *Journal of Human Evolution*.
- 2018 Lazagabaster, I. A., Souron, A., **Rowan, J.**, Robinson, J. R., Campisano, C. J., Reed, K. E. Fossil Suidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi-Geraru, lower Awash Valley, Ethiopia: implications for late Pliocene turnover and paleoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 504, 186-200.
- 2018 **Rowan, J.**, Martini, P., Likius, A., Merceron, G., Boisserie, J. R. New Pliocene remains of *Camelus grattardi* (Mammalia, Camelidae) from the Shungura Formation, lower Omo Valley, Ethiopia and the evolution of African camels. *Historical Biology*, 1-12.
- 2018 Blondel, C., **Rowan, J.**, Merceron, G., Bibi, F., Negash, E., Barr, W. A., Boisserie, J. R. Feeding ecology of Tragelaphini (Bovidae) from the Shungura Formation, lower

Omo Valley, Ethiopia: contribution of dental wear analyses. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 496, 103-120.

- 2017 Bibi, F., **Rowan, J.**, Reed, K. E. Fossil Bovidae (Mammalia, Artiodactyla) from the late Pliocene of Ledi-Geraru (Afar, Ethiopia). *Journal of Vertebrate Paleontology*, 37, e1337639.
- 2017 Robinson, J., **Rowan, J.**, Campisano, C. J., Wynn, J. G., Reed, K. E. Late Pliocene environmental change during the transition from *Australopithecus* to *Homo*. *Nature Ecology and Evolution*, 1, 0159.
- 2017 Robinson, J. R., **Rowan, J.** Holocene paleoenvironmental change in southeastern Africa (Makwe Rockshelter, Zambia): implications for the spread of pastoralism. *Quaternary Science Reviews*, 156, 57-68.
- 2016 **Rowan, J.**, Kamilar, J. M., Beaudrot, L., Reed, K. E. Strong influence of palaeoclimate on the structure of modern African mammal communities. *Proceedings of the Royal Society of London B: Biological Sciences*, 283 20161207.
- 2016 **Rowan, J.**, Locke, E. M., Robinson, J. R., Campisano, C. J., Wynn, J. G., Reed, K. E. Fossil Giraffidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi-Geraru and late Pliocene dietary evolution in giraffids from the lower Awash Valley, Ethiopia. *Journal of Mammalian Evolution*, 24, 1-13.
- 2016 Lazagabaster, I., **Rowan, J.**, Kamilar, J., Reed, K. E. Evolution of craniodental correlates of diet in African Bovidae. *Journal of Mammalian Evolution*, 23, 385-396.
- 2016 Robinson, J. R., **Rowan, J.**, Faith, J. T., Fleagle, J. G. Paleoenvironmental change in the late Middle Pleistocene-Holocene Kibish Formation, southern Ethiopia: evidence from ungulate isotopic ecology. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 450, 59-59.
- 2015 **Rowan, J.**, Adrian, B., Grossman, A. The first skull of *Sivameryx africanus* (Anthracotheriidae, Bothriodontinae) from the early Miocene of East Africa. *Journal of Vertebrate Paleontology*, 35, e928305.
- 2015 DiMaggio, E. N., Campisano, C. J., **Rowan, J.**, Dupont-Nivet, G., Deino, A. L., Bibi, F., Lewis, M. E., Souron, A., Garello, D., Werdelin, L., Reed, K. E., Arrowsmith, J. R. Late Pliocene fossiliferous sedimentary record and the environmental context of early *Homo* from Afar, Ethiopia. *Science*, 347, 1352-1355.
- 2015 Villmoare, B., Kimbel, W. H., Seyoum, C., Campisano, C. J., DiMaggio, E. N., **Rowan, J.**, Braun, D. R., Arrowsmith, J. R., Reed, K. E. Early *Homo* at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia. *Science*, 347, 1355-1359.
- 2015 **Rowan, J.**, Faith, J. T., Gebru, Y., Fleagle, J. G. Taxonomy and paleoecology of fossil Bovidae (Mammalia, Artiodactyla) from the Kibish Formation, southern Ethiopia: implications for dietary change, biogeography, and the structure of living

bovid faunas of East Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 420, 210-222.

#### **BOOK CHAPTERS, BOOK REVIEWS, AND COMMENTARIES (PEER-REVIEWED)**

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- In Press Campisano, C. J., **Rowan, J.**, Reed, K. E. The Hadar Formation, Afar Regional State, Ethiopia: Geology, Fauna, and Paleoenvironmental Reconstructions. In: R. Bobe, S. Reynolds (eds.), *African Paleoenvironments*, Cambridge University Press.
- 2018 **Rowan, J.** Very short introductions to evolutionary mammalogy (Book Review). *Evolutionary Anthropology*.
- 2015 Villmoare, B., Kimbel, W. H., Seyoum, C., Campisano, C. J., DiMaggio, E. N., **Rowan, J.**, Braun, D. R., Arrowsmith, J. R., Reed, K. E. Response to Comment on "Early *Homo* at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia". *Science*, 348(6241), 1326-1326.
- 2014 **Rowan, J.**, Reed, K. E. The Paleoclimatic Record and Plio-Pleistocene Paleoenvironments. In: W. Henke, I. Tattersall (eds.), *Handbook of Paleoanthropology* (Vol. 1), pp 465-491, Springer.

#### **MANUSCRIPTS IN PREPARATION (SUBMISSION FALL 2018-SPRING 2019)**

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- Rowan, J.**, Faith, J. T. Global late Quaternary extinctions of large-bodied mammalian herbivores and their ecological consequences. Invited chapter for *The Impact of Browsing and Grazing* (eds. I. Gordon and H. Prins).
- Rowan, J.**, Bibi, F. The fossil record of African antelopes and its implications for the systematics and biogeography of robust australopiths. Invited chapter for *The Forgotten Lineage(s): Paleobiology of *Paranthropus** (eds. P. Constantino, B. Wood, K. E. Reed)
- Rowan, J.**, Bibi, F., Reed, K. E. A new species of *Kobus* (Mammalia, Artiodactyla), from the Pliocene Hadar Formation (lower Awash Valley, Ethiopia). For *Journal of Palaeontology*.
- Rowan, J.**, Lazagabaster, I. A., Campisano, C. J., Bibi, F., Boisserie, J. R., Frost, S. R., Getachew, T., Gilbert, C. C., Kimbel, W. H., Lewis, M. E., Scott, E., Selasie, S., Souron, A., Werdelin, L., Reed, K. E. Early Pleistocene large mammals from the Maka'amitalu Basin of Hadar, Ethiopia, and the paleoecology of early *Homo* in the lower Awash Valley. For *Journal of Human Evolution*.
- Rowan, J.**, Likius, A., Boisserie, J. R. Giraffidae (Mammalia, Artiodactyla) from the Plio-Pleistocene Shungura Formation, lower Omo Valley, Ethiopia. For *Zoological Journal of the Linnean Society*.
- Faith, J. T., **Rowan, J.**, Du, A. Emergence of the functionally modern herbivore community of eastern Africa. For *Proceedings of the National Academy of Sciences*.

Schowaneck, S., Davis, M., Lundgren, E., Middleton, O., **Rowan, J.**, Pedersen, R., Svenning, J-C. Functional restoration of large herbivore communities: differing baselines and their ecological consequences. For *Nature Ecology and Evolution*.

#### **PUBLISHED ABSTRACTS (PRESENTATIONS)**

---

- 2018 Alemseged, Z., Du, A., **Rowan, J.**, Wood, B. A. Estimating the timing of and placing confidence intervals on the origination and extinction of the *Australopithecus anamensis-afarensis* lineage. 2018 Paleoanthropology Society Conference. Austin, Texas.
- 2018 Faith, J. T., Du, A., **Rowan, J.** Emergence of the functionally modern ungulate community of eastern Africa. 2018 Paleoanthropology Society Conference. Austin, Texas.
- 2018 Reed, K. E., Feary, D. A., **Rowan, J.**, Campisano, C. J. Plio-Pleistocene climate proxies and hominin evolution in East Africa. 2018 Paleoanthropology Society Conference. Austin, Texas.
- 2017 Seyoum, C., **Rowan, J.**, Kimbel, W. H. Climate change and the origin of hominin isotopic dietary niche breadth. 2017 Southwestern Association of Biological Anthropologists Conference. San Diego, California.
- 2017 Lazagabaster, I. A., **Rowan, J.** Human dietary flexibility in a comparative context: global macroecology of generalist and omnivorous mammals. 2017 Southwestern Association of Biological Anthropologists Conference. San Diego, California.
- 2017 **Rowan, J.** Primary productivity modulates trait-based assembly across African mammal communities. 2017 Southwestern Association of Biological Anthropologists Conference. San Diego, California.
- 2016 Robinson, J. R., **Rowan, J.**, Campisano, C. J., Wynn, J. G., Reed, K. E. Origins of *Homo* and latest Pliocene expansion of C<sub>4</sub>-dominated environments. 2016 Geological Society of America Conference. Denver, Colorado.
- 2016 Reed, K. E., Campisano, C. J., Lazagabaster, I. A., Locke, E. M., Robinson, J. R., **Rowan, J.**, Smail, I. E. Changes in community ecology from 3.4-2.9 Ma in the lower Awash Valley: implications for hominin paleobiology. 2016 Paleoanthropology Society Conference. Atlanta, Georgia.
- 2015 DiMaggio, E. N., Campisano, C. J., **Rowan, J.**, Dupont-Nivet, G., Deino, A. L., Garello, D., Reed, K. E., Arrowsmith, J. R. Late Pliocene fossiliferous sedimentary record and the environmental context of early *Homo* from Afar, Ethiopia. 2015 Geological Society of America Conference. Baltimore, Maryland.
- 2015 **Rowan, J.**, Franklin, J., Reed K. E. Late Pleistocene biogeography and climatic niche evolution in plains zebra *Equus quagga* and blue wildebeest *Connochaetes taurinus*. 2015 Society of Vertebrate Paleontology Conference. Dallas, Texas.

- 2015 Du, A., **Rowan, J.**, Patterson, D. Quantifying the habitat preference of large mammals in Pliocene-Pleistocene eastern Africa using estimated fraction woody canopy cover. 2015 Society of Vertebrate Paleontology Conference. Dallas, Texas.
- 2015 Lazagabaster, I. A., Kamilar, J. M., Reed, K. E., **Rowan, J.** Tempo and mode of evolution in African ungulate craniodental traits and diet. 2015 Society of Vertebrate Paleontology Conference. Dallas, Texas.
- 2015 **Rowan, J.**, Reed, K. E., Du, A., Locke, E. M., Smail, I. E., Campisano, C. J., Lazagabaster, I. A. Fossil mammals reveal patterns of inter- and intra-basinal endemism in eastern Africa, ca. 4 to 1 Ma: implications for hominin biogeography. 2015 Southwestern Association of Biological Anthropologists Conference. Albuquerque, New Mexico.
- 2015 Du, A., Behrensmeyer, A. K., **Rowan, J.**, Davis, M. Comparing taxonomic and functional change through time in terrestrial mammal paleo-communities in Pliocene-Pleistocene East Africa. 2015 Ecological Society of America Conference. Baltimore, Maryland.
- 2015 Reed, K. E., DiMaggio, E. N., Campisano, C. J., **Rowan, J.**, Dupont-Nivet, G., Deino, A., Bibi, F., Lewis, M. E., Souron, A., Werdelin, L., Arrowsmith, J. R., Villmoare, B., Kimbel, W. H., Seyoum, C., Braun, D. R. Paleanthropology of Ledi-Geraru, Afar Regional State, Ethiopia. 2015 Paleanthropology Society Conference. San Francisco, California.
- 2015 Lazagabaster, I. A., Locke, E. M., Smail, I. E., **Rowan, J.**, Garello, D., Seyoum, C., Robinson, J. R., Scott, E., Feary, D., Campisano, C. J., Villmoare, B., Kimbel, W. H., DiMaggio, E. N., Dupont-Nivet, G., Deino, A. L., Bibi, F., Lewis, M. E., Souron, A., Werdelin, L., Braun, D. R., Arrowsmith, J. R., Reed, K. E. The origin of *Homo* ca. 2.8 Ma in the Ledi-Geraru research area (Afar, Ethiopia). II Bioanthropological Meeting. Coimbra, Portugal.
- 2014 Reed, K. E., **Rowan, J.**, Kamilar, J. M. African vegetation structure: modern analogs and hominin habitat reconstructions. 2014 Annual Meeting of the American Association of Physical Anthropologists. Calgary, Alberta.
- 2013 **Rowan, J.**, Reed, K. E. A preliminary report on the Bovidae (Mammalia, Artiodactyla) from the Plio-Pleistocene Busidima Formation of Hadar, Ethiopia, and the paleoenvironment of early *Homo*. 2013 Southwestern Association of Biological Anthropologists Conference. Tempe, Arizona.

#### **PUBLISHED ABSTRACTS (POSTERS)**

---

- 2018 **Rowan, J.**, Du, A. Divergent diversification histories of large mammals across two sedimentary basins in eastern African over the last 7 Myr. 2018 Paleanthropology Society Conference. Austin, Texas.
- 2017 Reed, K. E., Smail, I. E., **Rowan, J.**, Robinson, J. R., Locke, E. M., Lazagabaster, I. A., Campisano, C. J. Biogeography, endemism, and functional trait community

structure: basal differences in the Pliocene. 2017 Annual Meeting of the American Association of Physical Anthropologists. New Orleans, Louisiana.

- 2017 **Rowan, J.**, Smail, I. E., Reed, K. E. Mixed effects of modern climate, Pleistocene climate, and anthropogenic activity on global primate diversity patterns. 2017 Annual Meeting of the American Association of Physical Anthropologists. New Orleans, Louisiana.
- 2016 **Rowan, J.**, Smail, I. E., Reed, K. E. Learning from the past: late Quaternary climate change and the future of African primate diversity. 2016 Southwestern Association of Biological Anthropologists Conference. Tempe, Arizona.
- 2016 Lazagabaster, I. A., **Rowan, J.**, Garello, D., Campisano, C. J., Arrowsmith, J. R., Reed, K. E. Fossil Artiodactyla (Mammalia) from Markaytoli, a new Middle Pleistocene site in the lower Awash Valley, Ethiopia. 2016 Society of Vertebrate Paleontology Conference. Salt Lake City, Utah.
- 2016 Locke, E. M., **Rowan, J.**, Reed, K. E. Sexual dimorphism in Pliocene *Gazella* (Mammalia, Artiodactyla) from Makapansgat Limeworks Cave, South Africa. 2016 Society of Vertebrate Paleontology Conference. Salt Lake City, Utah.
- 2016 **Rowan, J.**, Locke, E. M., Robinson, J. R., Campisano, C. J., Wynn, J. G., Reed, K. E. Dietary shifts in the giraffid *Sivatherium* and paleoenvironmental differences between the Afar and Turkana Basins during the late Pliocene. 2016 Paleoanthropology Society Conference. Atlanta, Georgia.
- 2015 Locke, E. M., **Rowan, J.**, Campisano, C. J., Reed, K. E. Fossil Giraffidae (Mammalia, Artiodactyla) from 2.8 Ma sediments at Lee Adoyta, Ledi-Geraru: implications for the paleobiology of *Sivatherium maurusium*. 2015 Society of Vertebrate Paleontology Conference. Dallas, Texas.
- 2015 Du, A., **Rowan, J.**, Patterson, D. Quantifying the habitat preference of extinct mammals, including hominins, in Plio-Pleistocene eastern Africa. 2015 Paleoanthropology Society Conference. San Francisco, California.
- 2015 **Rowan, J.**, Reed, K. E., Du, A., Locke, E. M., Smail, I. E., Campisano, C. J., Lazagabaster, I. A. Fossil mammals reveal patterns of inter- and intra-basinal endemism in eastern Africa, ca. 4 to 1 Ma: implications for hominin biogeography. 2015 Paleoanthropology Society Conference. San Francisco, California.
- 2015 Lazagabaster, I. A., Smail, I. E., Locke, E. M., **Rowan, J.**, Robinson, J. R., Scott, E., Werdelin, L., Reed, K. E. The environmental context of early *Homo* at Ledi-Geraru (Afar, Ethiopia) ca. 2.8 Ma: an assessment of the faunal community. II Bioanthropological Meeting. Coimbra, Portugal.
- 2014 Lazagabaster, I. A., **Rowan, J.**, Bobe, R. 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. 2014 Southwestern Association of Biological Anthropologists Conference. Tucson, Arizona.

- 2014 **Rowan, J.**, Faith, J. T., Gebru, Y., Fleagle, J. G. Patterns of Late Quaternary East African biogeography based on fossil Bovidae from the Kibish Formation, southern Ethiopia: implications for modern human dispersals. 2014 Southwestern Association of Biological Anthropologists Conference. Tucson, Arizona.
- 2014 **Rowan, J.**, Reed, K. E. Bovidae (Mammalia, Artiodactyla) from the Plio-Pleistocene Busidima Formation of Hadar, Afar Regional State, Ethiopia, and the evolution, paleoecology, and biogeography of bovid faunas at Hadar ca. 3.4 to 2.3 Ma. 2014 Society of Vertebrate Paleontology Conference. Berlin, Germany.
- 2013 **Rowan, J.**, Reed, K. E. Endemism and dispersal in East African Bovidae from the late Miocene through the Recent. 2013 Society of Vertebrate Paleontology Conference. Los Angeles, California.

#### POPULAR SCIENCE PUBLICATIONS

---

- 2017 **Rowan, J.** Africa's mammals may not be able to keep up with the pace of climate change. *The Conversation*. <https://theconversation.com/africas-mammals-may-not-be-able-to-keep-up-with-the-pace-of-climate-change-70427>
- 2016 **Rowan, J.** Who are you? (Phylogenetics). 'Ask an Anthropologist', Institute of Human Origins. <https://askananthropologist.asu.edu/stories/early-human-history>
- 2016 **Rowan, J.** Historical human habitats (Paleoecology). 'Ask an Anthropologist', Institute of Human Origins. <https://askananthropologist.asu.edu/stories/historical-human-habitats>
- 2016 **Rowan, J.** Changing climates and changing faces (Paleoclimate). 'Ask an Anthropologist', Institute of Human Origins. <https://askananthropologist.asu.edu/stories/changing-climates-and-changing-faces>

#### MEDIA COVERAGE SAMPLE

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- '1G Paleoanthropology: The Next Generation'  
ASU College of Liberal Arts & Sciences (CLAS) Magazine (2014)  
[https://clas.asu.edu/sites/default/files/clas\\_magazine\\_spring\\_2014\\_volume\\_3\\_no\\_1.pdf](https://clas.asu.edu/sites/default/files/clas_magazine_spring_2014_volume_3_no_1.pdf)
- 'First human discovered in Ethiopia'  
BBC News (2015)  
<http://www.bbc.com/news/science-environment-31718336>
- 'First humans emerged in Africa 2.8 million years ago during sudden climate change'  
International Business Times (2017)  
<http://www.ibtimes.co.uk/first-humans-emerged-africa-2-8-million-years-ago-during-sudden-climate-change-1621867>
- 'Oldest Human Fossil Found, Redrawing Family Tree'

National Geographic (2015)

<https://news.nationalgeographic.com/news/2015/03/150304-homo-habilis-evolution-fossil-jaw-ethiopia-olduvai-gorge/>

‘Jawbone fossil fills a gap in early human evolution’

New York Times (2015)

<https://www.nytimes.com/2015/03/05/world/jawbones-discovery-fills-barren-evolutionary-period.html>

‘Past climate linked to mammal communities today’

University of Michigan News (2016)

<http://ns.umich.edu/new/releases/24245-past-climate-linked-to-mammal-communities-in-africa-today>

#### **RESEARCH GRANTS AND FELLOWSHIPS**

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2017	SHESC Dissertation Completion Award School of Human Evolution and Social Change (\$22,400)
2014	Graduate Research Fellowship National Science Foundation (\$138,000)
2012	Multi-year Graduate Fellowship Arizona State University (\$134,064)
2011	Board of Trustees Fellowship for Distinguished Students Stockton University (\$1,000)

#### **HONORS AND AWARDS**

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2016	Paleoanthropology Society Travel Grant Paleoanthropology Society (\$250)
2016	SHESC Student Research Grant School of Human Evolution and Social Change (\$1,944)
2015	Jackson School of Geosciences Student Travel Grant Society of Vertebrate Paleontology (\$400)
2015	Research Travel Grant Institute of Human Origins (\$700)
2015	Morris Award for Outstanding PhD Student in Evolutionary Anthropology Arizona State University (\$300)
2014	Research Travel Grant Institute of Human Origins (\$500)
2014	Graduate and Professional Students Association Travel Grant Arizona State University (\$656)



2014 William S. Pollitzer Student Travel Grant  
American Association of Physical Anthropologists (\$500)

2013 Honorable Mention, Graduate Research Fellowship  
National Science Foundation

#### **TEACHING EXPERIENCE**

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2014 TA & Course Developer, Stones Bones and Human Evolution (ASM 104)  
Arizona State University

2013 TA & Course Developer, Stones Bones and Human Evolution (ASM 104)  
Arizona State University

2013-16 Guest Lecturer on Cenozoic Primate Evolution, Historical Geology (GLG 104)  
Arizona State University

2012 Instructor of Vertebrate Paleontology  
Koobi Fora Field School (Rutgers University/George Washington University)

#### **FIELDWORK EXPERIENCE**

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2016 Omo Group Research Expedition (Ethiopia)  
PI: Jean-Renaud Boisserie (Université de Poitiers)

2015 Ledi-Geraru Research Project (Ethiopia)  
PI: Kaye E. Reed (Arizona State University)

2013 Ledi-Geraru Research Project (Ethiopia)  
PI: Kaye E. Reed (Arizona State University)

2012 Koobi Fora Field School (Kenya)  
PI: David R. Braun (George Washington University)

#### **PROFESSIONAL SERVICE**

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Current Reviewer for: *Alcheringa* (1), *Global Change Biology* (1), *Historical Biology* (1),  
*Journal of Human Evolution* (1), *Journal of Vertebrate Paleontology* (4), *Paleobiology*  
(1), *Palaeontologia Electronica* (2), *Royal Society Open Science* (1), *Nature Scientific*  
*Reports* (1), *Quaternary International* (1)

2012-18 Member, Institute of Human Origins Outreach Team, Arizona State University

2017 Invited Speaker, Arizona Museum of Natural History (Mesa, AZ)

2017 Invited Speaker, 'First Year Professionalism', Arizona State University

2015-16 Chief Editor (12 publications), 'Ask an Anthropologist', Institute of Human Origins,  
Arizona State University

- 2015 Panelist, Stockton University Symposium 'Am I an Academic?' (Galloway, NJ)
- 2015 Scientific Advisor, National Geographic series 'The Great Human Race'
- 2014 Discussant, 'Human Origins' at Science Café at Gangplank (Chandler, AZ)
- 2012-17 'Night of the Open Door', Arizona State University
- 2012-17 Public lecturer (K-12, undergraduate, classes, etc), Institute of Human Origins, Arizona State University
- 2012-15 Co-Director, Institute of Human Origins Journal Club, Arizona State University
- 2011 Invited Speaker, Biology Seminar Series 'Euoplocephalus: insights into clade dynamics and paleobiology of ankylosaurid dinosaurs', Stockton University (Galloway, NJ)
- 2011 Invited Speaker, Rotary Club Speaker Series 'How we know what we think we know about dinosaur paleobiology' (Manahawkin, NJ)

#### **ADVISING**

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- 2018 Xavier Jenkins, Arizona State University (undergraduate)  
Project: Archosaur macroecology in the Triassic of North America
- 2016-17 Alexandra Norwood, Arizona State University (undergraduate)  
Project: GIS-based paleoclimatic reconstruction of Geelwal Karoo, South Africa (currently University of Michigan Ph.D. student)
- 2016 Alexandra Fappiano, Arizona State University (undergraduate)  
Project: Bioclimatic envelopes and species distribution modeling
- 2014-17 Sahle Selasie, Addis Ababa University (Master's student)  
Project: Comparative craniodental morphology of extant African Bovidae
- 2014 Angela Peña, Arizona State University (undergraduate)  
Project: Plio-Pleistocene large mammal communities of eastern Africa (currently George Washington University Ph.D. student)

#### **PROFESSIONAL AFFILIATIONS**

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American Association of Physical Anthropologists  
 American Society of Mammalogists  
 Geological Society of America  
 Paleoanthropology Society  
 Paleontological Society  
 Society of Vertebrate Paleontology

#### **RESEARCH INTERESTS**

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Mammalian evolution and ecology; hominin paleoecology; human origins; vertebrate paleontology; biogeography and community ecology; conservation paleobiology

#### **TECHNICAL SKILLS**

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Adobe Creative Suite, BEAST, MaxEnt, MrBayes, PAUP\*, R, Sigmascan, Viewshape

#### **REFERENCES**

---

##### **Dr. Jason Kamilar (Postdoctoral Advisor)**

Associate Professor, Departments of Anthropology and Organismal and Evolutionary Biology  
University of Massachusetts Amherst  
Telephone: 413-545-7397  
Email: jkamilar@umass.edu

##### **Dr. Kaye E. Reed (PhD Chair)**

President's Professor  
Director, School of Human Evolution and Social Change  
Research Associate, Institute of Human Origins  
Arizona State University  
Telephone: 480-965-9813  
Email: kaye.reed@asu.edu

##### **Dr. Christopher J. Campisano**

Associate Professor, School of Human Evolution and Social Change  
Research Associate, Institute of Human Origins  
Arizona State University  
Telephone: 480-965-2621  
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##### **Dr. Janet Franklin**

Distinguished Professor of Biogeography  
University of California Riverside  
Telephone: 951-827-4619  
Email: janet.franklin@ucr.edu

##### **Dr. Curtis Marean**

Foundation Professor  
Professor, School of Human Evolution and Social Change  
Associate Director, Institute of Human Origins  
Arizona State University  
Telephone: 480-965-7796  
Email: curtis.marean@asu.edu