

## ANDREW DU

Department of Anthropology and Geography  
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### EDUCATION:

- 2017            The George Washington University  
                  Ph.D. in Hominid Paleobiology  
                  Dissertation Title: The Role of Scale in Ecological Inference: Implications for  
                  Interpreting Hominin Paleoecology  
                  Committee: Anna K. Behrensmeyer (Chair), René Bobe, S. Kate Lyons, Brian  
                  McGill, Bernard Wood
- 2013            The George Washington University  
                  M.Phil. in Hominid Paleobiology  
                  Advisor: Anna K. Behrensmeyer
- 2009            Rutgers College, Rutgers University  
                  B.S., *summa cum laude*, in Evolutionary Anthropology with Highest Honors  
                  Minor in Geological Sciences  
                  Senior Honors Thesis: Recognizing Stone Anvils in the Archaeological Record:  
                  An Actualistic Approach  
                  Advisor: John W.K. Harris

### PROFESSIONAL APPOINTMENTS:

- 2019-           Assistant Professor  
                  Department of Anthropology and Geography  
                  Colorado State University
- 2017-19        Postdoctoral Scholar  
                  Department of Organismal Biology and Anatomy  
                  The University of Chicago  
                  PI: Zeresenay Alemseged

## **PUBLICATIONS:**

### **Refereed journal articles**

#### **Submitted/In review/In revision/Resubmitted**

Barr, W.A., Pobiner, B., Rowan, J., **Du, A.**, Faith, J.T., submitted. No sustained increase in archaeological evidence for carnivory after appearance of *Homo erectus*.

- *I participated in discussions that structured the analyses and interpreted the results.*

Cohen, A., **Du, A.**, Rowan, J., Yost, C., Billingsley, A., Campisano, C., Brown, E., Deino, A., Feibel, C., Grant, K., Kingston, J., Lupien, R., Muiruri, V., Owen, R.B., Reed, K., Russell, J., Stockhecke, M., in revision. No support for environmental variability driving Plio-Pleistocene mammalian evolution in eastern Africa.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 15% of analyses, and wrote 10% of the manuscript.*

DeSantis, L.R.G., Pardi, M.I., **Du, A.**, Greshko, M.A., Yann, L.T., Hulbert, R.C., Louys, J., submitted. Global long-term stability of individual dietary specialization in herbivorous mammals.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 15% of analyses, and wrote 5% of the manuscript.*

**Du, A.**, Friedlander, E., Rowan, J., Alemseged, Z., submitted. Placing probabilities on taxon true absence: applications to the hominin genus *Paranthropus*.

- *I generated the question, collected 95% of the data, helped develop the model, conducted all analyses, and wrote 95% of the paper.*

Fraser, D., Villaseñor, A., Tóth, A.B., Balk, M., Eronen, J.T., Barr, W.A., Behrensmeyer, A.K., Davis, M., **Du, A.**, Faith, J.T., Graves, G.R., Gotelli, N.J., Jukar, A.M., Looy, C.V., McGill, B.J., Miller, J.H., Pineda-Munoz, S., Potts, R., Shupinski, A.B., Soul, L.C., Lyons, S.K., in revision. Profound Holocene biotic homogenization of North American mammalian faunas.

- *I participated in discussions that structured the analyses and interpreted the results.*

Patterson, D., **Du, A.**, Faith, J.T., Rowan, J., Uno, K., Behrensmeyer, A.K., Braun, D.R., Wood, B.A., in review. Did vegetation change drive the extinction of *Paranthropus boisei*?

- *I participated in discussions that structured the analyses and interpreted the results, conducted 50% of analyses, and wrote 20% of the manuscript.*

#### **Accepted/In press**

### **2021**

27. **Du, A.**, Rowan, J., Wang, S.C., Wood, B.A., Alemseged, Z., 2021. On fossil recovery potential in the *Australopithecus anamensis*–*Australopithecus afarensis* lineage: A reply to Žliobaitė (2020). *Journal of Human Evolution*. 157, 103025.

- *I led the reply, conducted all analyses, and wrote 95% of the paper.*

26. Faith, J.T., **Du, A.**, Behrensmeier, A.K., Davies, B., Patterson, D.B., Rowan, J., Wood, B., 2021. Rethinking the ecological drivers of hominin evolution. *Trends in Ecology and Evolution*. 36, 797-807.

- *I participated in discussions that structured the paper and wrote 5% of the manuscript.*

25. Fraser, D., Soul, L.C., Tóth, A.B., Balk, M.A., Eronen, J.T., Pineda-Munoz, S., Shupinski, A.B., Villaseñor, A., Barr, W.A., Behrensmeier, A.K., **Du, A.**, Faith, J.T., Gotelli, N.J., Graves, G.R., Jukar, A.M., Looy, C.V., Miller, J.H., Potts, R., Lyons, S.K., 2021. Investigating biotic interactions in deep time. *Trends in Ecology and Evolution*. 36, 61-75.

- *I participated in discussions that structured the analyses and interpreted the results.*

24. Pineda-Munoz, S., Jukar, A.M., Tóth, A.B., Fraser, D., **Du, A.**, Barr, W.A., Amatangelo, K., Balk, M.A., Behrensmeier, A.K., Bercovici, A., Blois, J., Davis, M., Eronen, J.T., Gotelli, N.J., Looy, C., Miller, J.H., Shupinski, A.B., Soul, L.C., Villaseñor, A., Wing, S., Lyons, S.K., 2021. Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. *Ecography*. 44, 56-66.

- *I participated in discussions that structured the analyses and interpreted the results, and I write 10% of the manuscript.*

## **2020**

23. **Du, A.**, Rowan, J., Wang, S.C., Wood, B.A., Alemseged, Z., 2020. Statistical estimates of hominin origination and extinction dates: a case study examining the *Australopithecus anamensis-afarensis* lineage. *Journal of Human Evolution*. 138, 102688.

- *I generated the question, collected 10% of the data, conducted all analyses, and wrote 95% of the paper.*

22. Faith, J.T., Rowan, J., **Du, A.**, 2020. Reply to Weihmann: Fifty gazelles do not equal an elephant, and other ecological misunderstandings. *Proceedings of the National Academy of Sciences*. 201920565.

- *I participated in discussions structuring the paper and commented on the manuscript.*

21. Faith, J.T., Rowan, J., **Du, A.**, Barr, W.A., 2020. The uncertain case for human-driven extinctions prior to *Homo sapiens*. *Quaternary Research*. 96, 88-104.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 15% of analyses, and commented on the manuscript.*

## **2019**

20. **Du, A.**, Alemseged, Z., 2019. Temporal evidence shows *Australopithecus sediba* is unlikely to be the ancestor of *Homo*. *Science Advances*. 5, eaav9038.

- *I generated the question, collected all of the data, conducted all analyses, and wrote 95% of the paper.*

19. **Du, A.**, Robinson, J.R. (co-first author), Rowan, J., Lazagabaster, I.A., Behrensmeyer, A.K., 2019. Stable carbon isotopes from paleosol carbonate and herbivore enamel document differing paleovegetation signals in the eastern African Plio-Pleistocene. *Review of Palaeobotany and Palynology*. 261, 41-52.

- *I generated the question, conducted all analyses, and wrote 70% of the paper.*

18. Faith, J.T., **Du, A.**, Rowan, J., 2019. Addressing the effects of sampling on ecometric-based paleoenvironmental reconstructions. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 528, 175-185.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 60% of analyses, and commented on the manuscript.*

17. Faith, J.T., Rowan, J., **Du, A.**, 2019. Early hominins evolved within non-analog ecosystems. *Proceedings of the National Academy of Sciences*. 116, 21478-21483.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 10% of analyses, and commented on the manuscript.*

16. Tóth, A.B., Lyons, S.K., Barr, W.A., Behrensmeyer, A.K., Blois, J.L., Bobe, R., Davis, M., **Du, A.**, Eronen, J.T., Faith, J.T., Fraser, D., Gotelli, N.J., Graves, G.R., Jukar, A.M., Miller, J.H., Pineda-Munoz, S., Soul, L.C., Villaseñor, A., Alroy, J., 2019. Reorganization of surviving mammal communities after the end-Pleistocene megafaunal extinction. *Science*. 365, 1305-1308.

- *I participated in discussions that structured the analyses and interpreted the results, and I commented on the manuscript.*
- Won the 2019 Smithsonian NMNH Science Achievement Award

## **2018**

15. **Du, A.**, Alemesged, Z., 2018. Diversity analysis of Plio-Pleistocene large mammal communities in the Omo-Turkana Basin, eastern Africa. *Journal of Human Evolution*. 124, 25-39.

- *I generated the question, collected 10% of the data, conducted all analyses, and wrote 95% of the paper.*

14. **Du, A.**, Behrensmeyer, A.K., 2018. Spatial, temporal, and taxonomic scaling of richness in an eastern African large mammal community. *Global Ecology and Biogeography*. 27, 1031-1042. (featured on journal cover)

- *I generated the question, collected 10% of the data, conducted all analyses, and wrote 95% of the paper.*

13. **Du, A.**, Zipkin, A.M., Hatala, K.G., Renner, E., Baker, J.L., Bianchi, S., Bernal, K.H., Wood, B.A., 2018. Pattern and process in hominin brain size evolution are scale-dependent. *Proceedings of the Royal Society B*. 285, 20172738.

- *I generated the question, collected 5% of the data, conducted all analyses, and wrote 95% of the paper.*

12. Faith, J.T., **Du, A.**, 2018. The measurement of taxonomic evenness in zooarchaeology. *Archaeological and Anthropological Sciences*. 10, 1419-1428.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 20% of analyses, and wrote 10% of and commented on the manuscript.*

11. Faith, J.T., Rowan, J., **Du, A.**, Koch, P.L., 2018. Plio-Pleistocene decline of African megaherbivores: No evidence for ancient hominin impacts. *Science*. 362, 938-941.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 10% of analyses, and commented on the manuscript.*

10. Roach, N.T., **Du, A.**, Hatala, K.G., Ostrofsky, K.R., Reeves, J.S., Braun, D.R., Harris, J.W.K., Behrensmeier, A.K., Richmond, B.G., 2018. Pleistocene animal communities of a 1.5 million-year-old lake margin grassland and their relationship to *Homo erectus* paleoecology. *Journal of Human Evolution*. 122, 70-83.

- *I conducted 90% of the analyses, and I wrote 30% of and commented on the manuscript.*

## **2017**

9. Ashley, G.M., Ndiema, E., Spencer, J.Q.G., Harris, J.W.K., Kiura, P.W., Dibble, L., **Du, A.**, Lordan, P.T., 2017. Paleoenvironmental reconstruction of Dongodien, Lake Turkana, Kenya and OSL dating of site occupation during Late Holocene climate change. *African Archaeological Review*. 34, 345-362.

- *I secured funding for radiocarbon dating, collected 20% of the data, and commented on the manuscript.*

## **2016**

8. Lyons, S.K., Amatangelo, K.L., Behrensmeier, A.K., Bercovici, A., Blois, J.L., Davis, M., DiMichele, W.A., **Du, A.**, Eronen, J.T., Tyler Faith, J., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Miller, J.H., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., Waller, D., Gotelli, N.J., 2016. Holocene shifts in the assembly of plant and animal communities implicate human impacts. *Nature*. 529, 80–83.

- *I participated in discussions that structured the analyses and interpreted the results, conducted 5% of analyses, and commented on the manuscript.*
- Won the 2016 Smithsonian NMNH Science Achievement Award

7. Lyons, S.K., Amatangelo, K.L., Behrensmeier, A.K., Bercovici, A., Blois, J.L., Davis, M., DiMichele, W.A., **Du, A.**, Eronen, J.T., Faith, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Miller, J.H., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., Waller, D., Gotelli, N.J., 2016. Corrigendum: Holocene shifts in the assembly of plant and animal communities implicate human impacts. *Nature*. 538, 542.

- *I participated in discussions that structured the analyses and interpreted the results, and I commented on the manuscript.*

6. Lyons, S.K., Miller, J.H., Amatangelo, K.L., Behrensmeyer, A.K., Bercovici, A., Blois, J.L., Davis, M., DiMichelle, W.A., **Du, A.**, Eronen, J.T., Faith, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., Gotelli, N.J., 2016. Lyons et al. reply. *Nature*. 538, E3–E4.

- *I participated in discussions that structured the analyses and interpreted the results, and I commented on the manuscript.*

5. Lyons, S.K., Miller, J.H., Tóth, A., Amatangelo, K.L., Behrensmeyer, A.K., Bercovici, A., Blois, J.L., Davis, M., DiMichelle, W.A., **Du, A.**, Eronen, J.T., Faith, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., Gotelli, N.J., 2016. Lyons et al. reply. *Nature*. 537, E5–E6.

- *I participated in discussions that structured the analyses and interpreted the results, and I commented on the manuscript.*

4. Roach, N.T., Hatala, K.G., Ostrofsky, K.R., Villmoare, B., Reeves, J.S., **Du, A.**, Braun, D.R., Harris, J.W.K., Behrensmeyer, A.K., Richmond, B.G., 2016. Pleistocene footprints show intensive use of lake margin habitats by *Homo erectus* groups. *Scientific Reports*. 6, 26374.

- *I participated in discussions that structured the analyses and interpreted the results, collected 5% of the data, and commented on the manuscript.*

## **2014**

3. Blois, J.L., Gotelli, N.J., Behrensmeyer, A.K., Faith, J.T., Lyons, S.K., Williams, J.W., Amatangelo, K.L., Bercovici, A., **Du, A.**, Eronen, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Patterson, D., Potts, R., Riddle, B., Terry, R., Tóth, A., Villaseñor, A., Wing, S., 2014. A framework for evaluating the influence of climate, dispersal limitation, and biotic interactions using fossil pollen associations across the late Quaternary. *Ecography*. 37, 1095–1108.

- *I participated in discussions that structured the analyses and interpreted the results, and I commented on the manuscript.*

2. Miller, J.H., Behrensmeyer, A.K., **Du, A.**, Lyons, S.K., Patterson, D., Tóth, A., Villaseñor, A., Kanga, E., Reed, D., 2014. Ecological fidelity of functional traits based on species presence-absence in a modern mammalian bone assemblage (Amboseli, Kenya). *Paleobiology*. 40, 560–583.

- *I participated in discussions that structured the analyses and interpreted the results, collected 33% of the data, conducted 10% of the analyses, wrote 10% of the paper, and commented on the manuscript.*

## **2009**

1. Haslam, M., Hernandez-Aguilar, A., Ling, V., Carvalho, S., de la Torre, I., DeStefano, A., **Du, A.**, Hardy, B., Harris, J., Marchant, L., Matsuzawa, T., McGrew, W., Mercader, J., Mora, R., Petraglia, M., Roche, H., Visalberghi, E., Warren, R., 2009. Primate archaeology. *Nature*. 460, 339–344.

- *I participated in discussions that structured the paper, wrote a paragraph, and I commented on the manuscript.*

## **Book chapters**

### **Submitted/In review/In revision/Resubmitted**

#### **Accepted/In press**

Faith, J.T., **Du, A.**, accepted. The potential of coverage-based rarefaction in zooarchaeology. In: Erin, M., Buchanan, B. (Eds.) *Archaeological Diversity*. Berghahn Books.

- *I participated in discussions that structured the paper, conducted 30% of analyses, and commented on the manuscript.*

#### **2020**

2. **Du, A.**, Wood, B., 2020. Brain size evolution in the hominin clade. In: Cole, J., McNabb, J., Grove, M., and Hosfield, R. (Eds.), *Landscapes of Human Evolution: Contributions in honour of John Gowlett*. Archaeopress, Oxford. 9-17.

- *I wrote 50% of the manuscript and commented on it.*

#### **2019**

1. Beaudet, A., **Du, A.**, Wood, B.A., 2019. Evolution of the modern human brain. In: Hofman, M.A. (Ed.), *Evolution of the Human Brain: From Matter to Mind*. Academic Press. 250, 219-250.

- *I wrote 30% of the manuscript and commented on it.*

## **Published Abstracts**

#### **2021**

DeSantis, L., Pardi, M., **Du, A.**, Greshko, M., Yann, L., Hulbert, R., Louys, J., 2021. Global long-term stability of individual dietary specialization in herbivorous mammals. Annual Meeting of the American Society of Mammalogists.

#### **2020**

**Du, A.**, Friedlander, E., Alemseged, Z., 2020. Placing probabilities on whether *Paranthropus* was truly absent from individual sites in the Afar Depression, Ethiopia. Paleoanthropology Society meetings. (in-person conference canceled)

**Du, A.,** Friedlander, E., Rowan, J., Alemseged, Z., 2020. Placing probabilities on whether a fossil taxon was truly absent from a site or has not been found yet. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: 72.

Fellmann, C.D., Pante, M.C., **Du, A.,** Crouch, G., 2020. Estimating human age at death using 3-D confocal profilometry to quantify pubic symphyseal breakdown. *American Journal of Physical Anthropology* 171: 85.

## **2019**

**Du, A.,** Alemseged, Z., 2019. Temporal evidence shows *Australopithecus sediba* is unlikely to be the ancestor of *Homo*. “Abstracts of the 2019 Paleoanthropology Society Meeting” *PaleoAnthropology* 2019: A10.

**Du, A.,** Behrensmeyer, A.K., 2019. Comparing the accumulation of large mammal species in Amboseli National Park, Kenya over increasing temporal and spatial scales, with implications for the composition of time-averaged communities. *The Paleontological Society Special Publications NAPC Abstracts*.

Faith, J.T., **Du, A.,** 2019. Coverage-based rarefaction in zooarchaeology: potential and pitfalls. *Abstracts of the Society for American Archaeology*: 225.

## **2018**

Alemseged, Z., **Du, A.,** Rowan, J., Wood, B., 2018. Estimating the timing of and placing confidence intervals on the origination and extinction of the *Australopithecus anamensis-afarensis* lineage. “Abstracts of the 2018 Paleoanthropology Society Meeting” *PaleoAnthropology* 2018: A1.

**Du, A.,** Alemseged, Z., Bobe, R., Behrensmeyer, A.K., 2018. Assessing mammalian diversity in relation to hominin evolution in the Omo-Turkana Basin, eastern Africa. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: .

**Du, A.,** Behrensmeyer, A.K., 2018. Implications for interpreting time-averaged fossil assemblages from an analysis of spatiotemporal scaling relationships in species richness for the Amboseli large mammal fauna, southern Kenya. “Abstracts of the 2018 Paleoanthropology Society Meeting” *PaleoAnthropology* 2018: A10.

Faith, J.T., **Du, A.,** Rowan, J., 2018. Emergence of the functionally modern ungulate community in eastern Africa. “Abstracts of the 2018 Paleoanthropology Society Meeting” *PaleoAnthropology* 2018: A12-A13.

Rowan, J., **Du, A.,** 2018. Divergent diversification histories of large mammals across two sedimentary basins in eastern Africa over the last 7 Myr. “Abstracts of the 2018 Paleoanthropology Society Meeting” *PaleoAnthropology* 2018: A31.

## **2017**

**Du, A.**, Behrensmeyer, A.K., 2017. Extrapolating species richness across spatiotemporal scales in an East African large mammal community to predict fossil community richness. *International Biogeography Society Conference Program and Abstracts*: 120-121.

**Du, A.**, Zipkin, A.M., Hatala, K.G., Renner, E., Baker, J.L., Bianchi, S., Bernal, K., Wood, B., 2017. A taxonomic scale-explicit analysis of brain size evolution in the hominin clade. *American Journal of Physical Anthropology*: 166.

## **2016**

Behrensmeyer, A.K., **Du, A.**, Villasenor, A., Patterson, D., Hatala, K., Roach, N.T., Richmond, B.G., Bobe, R., 2016. Body fossils, trackways and stable isotopes: synthesizing Pleistocene paleoecology in the Okote Member, Koobi Fora Formation, Kenya. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: 95-96.

Behrensmeyer, A.K., **Du, A.**, Villasenor, A., Patterson, D., Richmond, B.G., Hatala, K., Roach, N.T., 2016. Hominins in context – paleogeography and ecology of the Okote Member, Koobi Fora Formation, East Turkana. "Abstracts of the Paleoanthropology Society 2016 Meeting" *PaleoAnthropology 2016*: A3-A4.

**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. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: 128.

Roach, N.T., Hatala, K.G., Ostrofsky, K.R., Villmoare, B., Reeves, J.S., Du, A., Braun, D.R., Harris, J.W.K., Behrensmeyer, A.K., Richmond, B.G., 2016. *Homo erectus* paleoecology and behavior based on 1.5 million year old footprints from northwestern Kenya. *American Journal of Physical Anthropology* 159(S62): 270-270.

## **2015**

Behrensmeyer, A.K., **Du, A.**, Villasenor, A., Patterson, D., Richmond, B.G., Hatala, K., Roach, N.T., 2015. Evidence for shifting base levels and climatic vs. tectonic controls on the fossil record of the Okote Member, Koobi Fora Formation, East Turkana. *Geological Society of America Abstracts with Programs*. 47: 288.

**Du, A.**, Behrensmeyer, A.K., Rowan, J., Davis, M., 2015. Comparing taxonomic and functional change through time in terrestrial mammal paleo-communities in Pliocene-Pleistocene East Africa. *Ecological Society of America Annual Meeting*.

**Du, A.**, Rowan, J., Patterson, D.B., 2015. Quantifying habitat preference of extinct mammals, including hominins, in Plio-Pleistocene eastern Africa. "Paleoanthropology Society Meeting Abstracts, San Francisco, CA, 14-15 April 2015" *PaleoAnthropology 2015*: A7-A8.

**Du, A.,** Rowan, J., Patterson, D.B., 2015. Quantifying the habitat preferences of large mammals in Pliocene-Pleistocene eastern Africa using estimated fraction woody canopy cover. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*, 119.

Reeves, J. Braun, D., Douglass, M., Hlubik, S., **Du, A.,** Patterson, D., Harris, J., 2015. Landscape-scale patterning in hominin behavior in the Okote Member at East Turkana, northern Kenya: pairing behavioral and paleoecological data. "Paleoanthropology Society Meeting Abstracts, San Francisco, CA, 14-15 April 2015" *PaleoAnthropology* 2015: A27.

Rowan, J., Reed, K.E., **Du, A.,** Locke, E.M., Smail, I., Campisano, C.J., Lazagabaster, I.A., 2015. Fossil mammals reveal patterns of inter- and intra-basinal endemism in eastern Africa, ca. 4 to 1 Ma: implications for hominin biogeography. "Paleoanthropology Society Meeting Abstracts, San Francisco, CA, 14-15 April 2015" *PaleoAnthropology* 2015: A29.

## **2014**

Ashley, G.M., Ndiema, E., Spencer, J.Q.G., **Du, A.,** Lordan, P.T., Kiura, P.W., Harris, J.W.K., 2014. A cultural revolution in hunter-gatherer subsistence strategies likely linked to Holocene climate change: applications of OSL dating to archeology. *Geological Society of America Abstracts with Programs* 46: 4.

**Du, A.,** Behrensmeyer, A.K., Bobe, R., 2014. Degrees of bias in the collection of vertebrate paleoecological data: comparing and reconciling different scales from multiple collection methods. *The Paleontological Society Special Publications NAPC Abstracts* 13: 10.

**Du, A.,** Behrensmeyer, A.K., Davis, M.B., 2014. Comparing taxonomic and functional change through time in terrestrial vertebrate paleo-communities in Plio-Pleistocene northern Kenya. 4<sup>th</sup> International Paleontological Congress.

**Du, A.,** Zipkin, A., Hatala, K.G., Baker, J., Bianchi, S., Renner, E., Bernal, K., Wood, B., 2014. Quantifying the tempo and mode of hominin cranial capacity evolution taking into account dating and measurement error. "Paleoanthropology Society Meeting Abstracts, Calgary, Canada, 8-9 April 2014" *PaleoAnthropology* 2014: A7.

Lyons, S.K., Blois, J., Gotelli, N.J., Behrensmeyer, A.K., Faith, J.T., Amatangelo, K.L., DiMichele, W.A., **Du, A.,** Eronen, J.T., 2014. Patterns of co-occurrence of plant and mammal species across critical intervals. *The Paleontological Society Special Publications NAPC Abstracts* 13: 53-54.

Miller, J., Behrensmeyer, A.K., **Du, A.,** Lyons, S.K., Patterson, D.B., Tóth, A., Villaseñor, A., Kanga, E., Reed, D., 2014. Ecological fidelity of functional traits based on presence-absence in the mammalian bone assemblage of Amboseli National Park, Kenya. *The Paleontological Society Special Publications NAPC Abstracts* 13: 9.

## **2013**

Blois, J.L., Gotelli, N.J., Behrensmeyer, A.K., Faith, J.T., Lyons, S.K., Williams, J.W., Amatangelo, K.L., Bercovici, A., **Du, A.**, Eronen, J., Graves, G.R., Jud, N., Labandeira, C., Looy, C., McGill, B., Patterson, D., Potts, R., Riddle, B., Terry, R., Tóth, A., Villasenor, A., Wing, S., 2013. The influence of climate and dispersal limitation on the stability of biotic associations across the late Quaternary. *Abstracts of the International Biogeography Society 2013 Meetings*: 29-30.

Bobbe, 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.

## **2012**

**Du, A.**, Faith, J.T., Behrensmeyer, A.K., Patterson, D.B., Villaseñor, A., 2012. The effects of craniodental sampling on ecological variables in modern and fossil mammal landscape assemblages. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: 89.

**Du, A.**, Faith, J.T., Behrensmeyer, A.K., Patterson, D.B., Villaseñor, A., 2012. Paleoecological implications of sampling methodology in landscape fossil assemblages. *Annual Meeting of the Society for American Archaeology*: 110.

Patterson, D.B., **Du, A.**, Villaseñor, A., Bobbe, R., Behrensmeyer, A.K., Reed, D., 2012. Taphonomic comparison of modern East African owl pellets and the Kanapoi fossil micromammal assemblage. "*Abstracts of the PaleoAnthropology Society 2011 Meetings.*" *PaleoAnthropology 2012*: A26.

Weng, Y., Sun, F., Fluegeman, R.H., **Du, A.**, Onasanya, S.O., Parker, B., Pethe, S., 2012. A case study of using iPhone to digitally record geologic field data at BSU Summer Field Camp. Geological Society of America *Abstracts with Programs* 44: 7.

## **2011**

**Du, A.**, Behrensmeyer, A.K., Blumenschine, R.J., Faith, J.T., 2011. Landscape neotaphonomic studies and East African carnivore guild structure: modeling hominin scavenging opportunities. "*Abstracts of the PaleoAnthropology Society 2011 Meetings.*" *PaleoAnthropology 2011*: A10.

**Du, A.**, Behrensmeyer, A.K., Blumenschine, R.J., Faith, J. T., 2011. Landscape neotaphonomy and East African carnivore guild structure: modeling hominin scavenging opportunities. *Annual Meeting of the Society of Vertebrate Paleontology Abstracts and Program*: 101.

Lyons, S.K., Faith, J.T., Behrensmeyer, A.K., Amatangelo, K.L., Blois, J., DiMichele, W.A., **Du, A.**, Eronen, J.T., Gotelli, N.J., Graves, G.R., 2011. A comparison of plant and mammal community structure from deep time to the recent. Geological Society of America *Abstracts with Programs*, 43: 31.

## **2009**

**Du, A.,** DeStefano, A., Harris, J.W.K., Braun, D.R., Carvalho, S., 2009. Actualistic studies on defining traces on stone anvils and implications to recognizing anvils in the archaeological record. "Abstracts of the PaleoAnthropology Society 2009 Meetings." *PaleoAnthropology 2009: A9-A10.*

## **Encyclopedia Entries**

### **2011**

"Contributor", 2011. In: *Wiley-Blackwell Encyclopedia of Human Evolution*, Wood, B. (ed.), Wiley-Blackwell.

- Contributed entries: "Oxygen Isotope Stages 1-21," "Afalou-Bou-Rhummel," "Dar es Soltane 5," "Irhoud 1," "Irhoud 2," "Kébibat," "Salé," "Salé 1," "Smugglers' Cave (Témara)," "Tighenif 1," "Tighenif 3," and "Wadi Tushka."

## **Other publications**

### **2019**

**Du, A.,** 2019. Where did we come from? Using the fossil record to find the true ancestor of the genus *Homo*. *Science Trends*. <https://sciencetrends.com/where-did-we-come-from-using-the-fossil-record-to-find-the-true-ancestor-of-the-homo-genus/>

### **2010**

**Du, A.,** 2010. Following in the Footsteps of our Ancestors. In: *World Prehistory and Archaeology: Pathways through Time, 2<sup>nd</sup> ed.*, Chazan, M. (author), Prentice Hall.

## **AWARDS AND HONORS:**

2014 Philip J. Amsterdam Graduate Teaching Award  
The George Washington University

## **GRANTS AND FELLOWSHIPS:**

2021 National Science Foundation, Archaeology. Examining the relationship between an increasingly carnivorous *Homo erectus* and Pleistocene mammal extinctions. PI: W. Andrew Barr; Co-PI: Kendra L. Chritz, **Andrew Du**, John Rowan; Senior Personnel: J. Tyler Faith, Margaret Lewis. Period: 6/1/2021-5/31/2024. Amount: \$90,099.

National Science Foundation, Biological Anthropology (pending). Paleoecology of the Turkana Basin at ~1.5Ma: A multi-proxy time slice approach. PI: Neil Roach, Kevin Hatala, **Andrew Du**, Enquye Negash; Co-PI: Daniel Green, Patrick Gathogo, Frederick

Manthi, David Braun, Anna K. Behrensmeyer; Senior Personnel: Jack Harris. Period: 7/1/2021-6/30/2024. Amount: \$172,042.

2016 Shenkman Student Professional and Career Development Grant - \$350  
The George Washington University

2013 Explorers Club Washington Group Exploration and Field Research Grant - \$1000  
The George Washington University

Explorers Club Exploration Fund- \$1850  
The George Washington University

2010- National Science Foundation IGERT Fellowship - \$24,000/year  
2015 The George Washington University

### **INVITED LECTURES:**

2017 Tempo and mode of human brain evolution is scale-dependent (January 13<sup>th</sup>)  
Arizona State University

2018 Understanding how time-averaging affects our interpretation of ecological communities (May 17<sup>th</sup>)  
The University of Chicago

Developing a theoretical framework for time-averaging and understanding its effects on the interpretation of fossil communities (November 14<sup>th</sup>)  
Rutgers University

2019 Separating signal from noise in human evolution using quantitative methods (February 18<sup>th</sup>)  
Colorado State University

Stable carbon isotopes from paleosol carbonate & herbivore enamel document differing paleovegetation signals in the eastern African Plio-Pleistocene (November 27<sup>th</sup>)  
University of Utah

2020 Inferring whether a taxon was truly absent from a site or has not been sampled yet: applications to *Paranthropus* (February 28<sup>th</sup>)  
University of Colorado Boulder

Placing probabilities on whether a taxon was truly absent from a site or has not been sampled yet: applications to the hominin genus *Paranthropus* (July 16<sup>th</sup>)  
Canadian Museum of Nature

Placing probabilities on taxon true absence: applications to the hominin genus  
*Paranthropus* (July 31<sup>st</sup>)  
Smithsonian National Museum of Natural History

### **CAMPUS OR DEPARTMENTAL TALKS:**

2017 The role of scale in ecological inference: implications for interpreting paleoecological patterns (November 14<sup>th</sup>)  
Undergraduate Paleontology Club, The University of Chicago

### **UNPUBLISHED PODIUM & POSTER PRESENTATIONS (\* Podium presentations):**

\* **Du, A.**, Behrensmeyer, A.K., 2017. Are fossil communities just spatiotemporally scaled-up versions of modern ones? 1<sup>st</sup> Great Lakes Student Paleoconference – Ann Arbor, Michigan.

\* Behrensmeyer, A.K., **Du, A.**, 2015. Landscape perspectives on the taphonomy of modern and fossil bone assemblages. “From a landscape perspective: a celebration of J.W.K. Harris’ career” workshop.

\* **Du, A.**, 2015. Multi-scale pattern and process in mammalian communities: implications for the archaeological record. “From a landscape perspective: a celebration of J.W.K. Harris’ career” workshop.

\*Harris, J.W.K., Matsuzawa, T., McGrew, W.C., Visalberghi, E., Marchant, L., Carvalho, S., Braun, D., **Du, A.**, Barbour, K., Van Plantinga, A., Rodgers, J., Lyons, C., 2010. Modeling the Behavior of the Earliest Hominins Drawing on the New Discipline of Primate Archaeology. International Primatological Society XXIII Congress – Kyoto University, Japan.

**Du, A.**, Harris, J., 2009. Recognizing anvils in the archaeological record: an actualistic approach. Rutgers’ s Fifth Annual University-wide Undergraduate Research Symposium.

\*Harris, J.W.K., Braun, D.R.B., McCoy, J., Rogers, M., Merritt, S., Kibunjia, M., McGrew, W., Visalberghi, E., Matsuzawa, T., Marchant, L., Carvalho, S., DeStefano, A., **Du, A.**, Barbour, K., Van Plantinga, A., 2009. Retrospective on the archaeology of human origins, east of Lake Turkana, Kenya. Africa, Cradle of Humanity: Recent Discoveries – Algiers, Algeria.

\* Bennett, M., DeStefano, A., **Du, A.**, Furman, M., Kwiatek, J., 2008. One Step at a Time: New Hominid Footprints Change the Way We View Human Evolution. Rutgers University Lecture.

\* **Du, A.**, DeStefano, A., Hodge, R., Harris, J., 2008. Experimental and actualistic studies in replicating defining surface traces on stone anvils and implications to recognizing pounding tools in the Plio-Pleistocene at Koobi Fora. Palaeoanthropology Meets Primatology 2: “The Origins of Percussive Technology” – Cambridge University, England.

**Du, A.,** Quinn, R., Feibel, C., 2007. Stromatolites as a key to paleoenvironmental variability in Plio-Pleistocene hominin habitats of Koobi Fora, Kenya. Rutgers's Third Annual University-wide Undergraduate Research Symposium.

## **TEACHING EXPERIENCE:**

### **Colorado State University (instructor of record)**

#### UNDERGRADUATE

Human Origins and Variation (Intro to Biological Anthropology)

Human Evolution

#### GRADUATE

Contemporary Issues in Biological Anthropology

Research Design and Analysis in Anthropology

### **The George Washington University (teaching assistant)**

#### UNDERGRADUATE

Introduction to Biological Anthropology (Fall 2010); Student ratings of instructor: 4.6 & 4.4

Lab Research Methods in Archaeology: Zooarchaeology & Paleoecology (Spring 2011)

Human Cultural Beginnings (Fall 2011)

Hominin Evolution (Fall 2013); Student ratings of instructor: 4.9 & 4.7

#### GRADUATE

R companion course to Analytical Methods in Human Evolutionary Studies (Spring 2013)

### **Koobi Fora Field School (instructor)**

Modern ecological census methods; stone tool knapping, faunal analysis, geology field methods (Summer 2008, 2009, 2011, 2012, 2014)

## **DIVERSITY, EQUITY, AND INCLUSION INITIATIVES**

2020 - Attended workshop on inclusive pedagogy, intergroup relations, and social justice run by Intergroup Relations Institute (January 13<sup>th</sup>-15<sup>th</sup>)  
Colorado State University

Co-led diversity, equity, and inclusion journal club for junior academics (Summer)

Member of College of Liberal Arts Open Door Pedagogy Network (Fall)  
Colorado State University

- *Duties included attending orientation and training workshops to ultimately have conversations with department colleagues about inclusive pedagogy*

## **STUDENT MENTORING:**

### **Graduate**

Michael Orizaga – CSU MA student (chair)  
Tewabe Negash – CSU PhD student (co-chair)  
Wyatt Benson – CSU MA student (committee member)  
Ross Campbell – CSU MA student (committee member)  
Katie Horton – CSU PhD student (committee member)  
Robert Kaplan – CSU PhD student (committee member)  
Nicole Lopinkski – CSU PhD student (committee member)  
Alex Pelissero – CSU PhD student (committee member)

### **Undergraduate**

Elena Haverluk – CSU (committee member)

## **RESEARCH EXPERIENCE:**

### **Fieldwork**

Amboseli National Park, Kenya (2019)  
- Collected ecological and taphonomic data on fossil and modern skeletal assemblages on landscape  
Koobi Fora, Kenya (2007-2009, 2011-2012, 2014)  
- Experimental stone tool studies; measured geological sections and mapped geological deposits; surveyed for and collected fossil mammal material  
Tsavo East, Kenya (2013)  
- Surveyed for and collected data on modern mammal skeletal assemblages  
Olorgesailie, Kenya (2010)  
- Measured geological sections; identified fossil fauna  
Petrified Forest National Park, Arizona, United States (2010)  
- Measured geological sections  
Olduvai Gorge, Tanzania (2009)  
- Sorted and catalogued faunal and lithic specimens

### **Museum work**

National Museums of Kenya (2007-2014, 2019)  
- Identified collected fossil (Koobi Fora, Amboseli) and modern (Tsavo East, Amboseli) specimens from the field; examined fossils for surface modifications

**EXTRA TRAINING:**

- 2018 University of Chicago  
Spring, Took class in Data Analysis for the Geophysical Sciences
- 2014 University of Maine  
Fall, Took classes in Community Ecology & Advanced Biometry
- 2013 Macquarie University, Paleobiology Database Intensive Workshop in Analytical Methods  
Summer, Training in Programming and Quantitative Methods
- 2012 Ball State University Geology Field Camp  
Summer, Geology Field Training
- 2007 Koobi Fora Field School, Kenya  
Summer, Paleoanthropology Field Training

**ATTENDED RESEARCH WORKSHOPS:**

- 2011- Evolution of Terrestrial Ecosystems Working Group: “Synthesizing Deep Time and  
2020 Recent Community Ecology: Community Assembly & Disassembly” (biannual meeting)  
Smithsonian National Museum of Natural History
- 2017 PACE Workshop: Linking Paleoecology and Community Ecology (May 21<sup>st</sup>-26<sup>th</sup>)  
Schoodic Peninsula, Maine
- 2015 Advanced Community Data Analysis Using *vegan* (August 9<sup>th</sup>)  
Ecological Society of America, Baltimore, Maryland
- “From a landscape perspective: a celebration of J.W.K. Harris’ career” (April 20<sup>th</sup>-21<sup>st</sup>)  
Riverstone Ranch, Healdsburg
- 2014 Analytical Taphonomy Short Course (September 31<sup>st</sup>)  
International Paleontological Congress, Mendoza, Argentina
- 2012 Modern Ecology and Taphonomy R Workshop (June 18<sup>th</sup>-22<sup>nd</sup>)  
Smithsonian National Museum of Natural History
- One Day R Short Course (March 9<sup>th</sup>)  
Smithsonian National Museum of Natural History
- 2008 “Palaeoanthropology Meets Primatology: The Origins of Percussive Technology”  
(October 18<sup>th</sup>)  
University of Cambridge

## **TECHNICAL SKILLS:**

R statistical language  
MS Office (Word, Excel, PowerPoint)  
Adobe Photoshop  
Adobe Illustrator  
ImageJ  
Basic GIS

## **LANGUAGES:**

English  
Chinese Mandarin (Spoken)  
Conversational Spanish

## **PROFESSIONAL ORGANIZATION MEMBERSHIP:**

American Association of Physical Anthropologists  
East African Association for Palaeoanthropology and Palaeontology  
Ecological Society of America  
International Biogeography Society  
Paleoanthropology Society  
The Paleontological Society  
Society of Vertebrate Paleontology

## **SERVICE TO PROFESSION**

American Association of Physical Anthropology Early Career Panel (March 27<sup>th</sup>, 2019)  
- Answered questions from graduate students about transitioning to a career after getting a PhD  
American Association of Physical Anthropology Pollitzer judge (January 2020)  
- Read and rated 14 essays for student travel award

Reviewer for *Ecology*; *Evolutionary Anthropology*; *Journal of Human Evolution*; *Nature Communications*; *Nature Ecology and Evolution*; *Palaeogeography, Palaeoclimatology, Palaeoecology*; *Proceedings B*; *Quaternary Science Reviews*; *African Paleoeology and Human Evolution* volume (edited by Sally Reynolds & René Bobe)

Reviewer for *Leakey Foundation*

## **DEPARTMENTAL/UNIVERSITY SERVICE**

- Volunteered at anthropology table at CSU Ram Welcome street fair (August 23, 2019)
- Minute-taker at CSU faculty meetings (Fall 2019-Spring 2020)
- Started and currently lead a biological anthropology journal club at CSU (Fall 2019-)
- Served on CSU Seminar Series Committee (Fall 2019-)
- Faculty liaison to CSU Undergraduate Anthropology Club and Anthropology Graduate Student Society (Fall 2019-)
- Led Zotero reference manager workshop for graduate students (Feb. 17<sup>th</sup>, 2020)
- Reviewed manuscripts for *Further Perspectives* CSU anthropology journal (Spring 2020)
- Participated in Ram Welcome orientation for incoming Anthropology & Geography undergraduates (August 21, 2020)
- Served on CSU undergraduate curriculum cloud committee (Spring 2021)
- Analyzed undergraduate enrollment data to infer what factors may have influenced the number of students that take a class (Spring 2021)
- Member of CSU College of Liberal Arts Open Door Pedagogy Network (Fall 2020-)
- Revised CSU Department of Anthropology and Geography code (Spring 2021)
- CSU Department of Anthropology and Geography technology coordinator (Fall 2021-)

## **MEDIA COVERAGE:**

2019 *Proceedings of the National Academy of Sciences* hominin non-analog ecosystems paper (October 2019):

- Pringle R.M., 2020. Paleoecology: the functional uniqueness of ancient megafauna. *Current Biology*. 30, R32-R35. (*Current Biology* commentary)
- <https://unews.utah.edu/early-humans-evolved/>
- <https://cosmosmagazine.com/palaeontology/there-was-life-but-not-as-we-know-it>
- <https://www.dailymail.co.uk/sciencetech/article-7552087/Humans-ancestors-evolved-diverse-ecosystem-present-day-new-study-says.html>
- <https://www.humanevolution.news/early-humans-evolved-in-ecosystems-unlike-any-found-today/>

2019 *Science* end-Pleistocene megafaunal extinction paper (September 2019):

- <https://source.colostate.edu/csu-anthropologist-history-offers-lesson-about-decline-of-large-mammals/>
- <https://theconversation.com/extinction-of-ice-age-giants-likely-drove-surviving-animals-apart-125132>
- <https://news.unl.edu/newsrooms/today/article/division-by-subtraction-extinction-of-large-mammal-species-likely-drove/>
- <https://researchfrontiers.uark.edu/anthropologist-contributes-to-major-study-of-large-animal-extinction/>
- <https://www.horsetalk.co.nz/2019/09/23/humans-role-north-american-extinctions/>
- <https://phys.org/news/2019-10-extinction-saber-toothed-cats-impact-mammals.html>
- <https://www.gwhatchet.com/2019/10/14/anthropology-research-compares-prehistoric-ecosystems-to-current-biodiversity-crisis/>

2019 *Science Advances* testing *A. sediba* as the ancestor of *Homo* paper (May 2019):

- <https://news.uchicago.edu/story/study-challenges-claim-2-million-year-old-fossil-human-ancestor>
- <http://blogs.discovermagazine.com/deadthings/2019/05/08/sediba/#.XNMhzC-ZPUI>
- <https://cosmosmagazine.com/palaeontology/australopithecus-species-dismissed-as-human-ancestor>
- <https://gizmodo.com/new-analysis-debunks-controversial-claim-about-the-orig-1834613989>
- <https://www.earth.com/news/south-african-fossil-species/>
- <https://www.inverse.com/article/55643-australopithecus-sediba-human-ancestor-debate>
- <https://www.dailymail.co.uk/sciencetech/article-7007291/Ancient-South-African-fossil-thought-human-ancestor-NOT-genus-study-concludes.html>
- <https://evolutionnews.org/2019/05/another-human-ancestor-falsified-study-puts-australopithecus-sediba-back-in-the-ground/>
- <https://www.sciencedaily.com/releases/2019/05/190508142452.htm>
- <https://www.the-scientist.com/news-opinion/australopithecus-sediba-not-likely-humans-ancestor--study-65857>
- <https://www.haaretz.com/archaeology/.premium.MAGAZINE-who-s-our-ancestral-species-not-this-south-african-hominin-scientists-say-1.7225009>
- <https://www.futurity.org/australopithecus-sediba-fossils-human-evolution-2062002-2/>
- <https://www.ancient-origins.net/news-evolution-human-origins/australopithecus-sediba-0011881>
- <https://arstechnica.com/science/2019/05/probability-helps-narrow-down-the-search-for-human-ancestors/>

2018 *Science* hominin impacts on megaherbivore diversity paper (November 2018):

- Bobe, R., Carvalho, S., 2018. The decline of Africa's largest mammals. *Science*. 362, 892–893. (*Science* commentary)
- <https://www.bbc.com/news/science-environment-46306622>
- <https://www.independent.co.uk/environment/nature/africa-megafauna-extinct-humans-climate-change-university-utah-a8647216.html>
- <https://www.dailymail.co.uk/sciencetech/article-6418155/Humans-DIDNT-kill-Africas-largest-mammals.html>
- <https://www.iflscience.com/plants-and-animals/our-ancestors-arent-to-blame-for-loss-of-africas-large-mammals/>
- <https://www.uchicagomedicine.org/forefront/biological-sciences-articles/2018/november/human-ancestors-not-to-blame-for-ancient-mammal-extinctions-in-africa>
- <https://www.msn.com/en-za/news/science/africa's-megaherbivores-succumbed-to-declining-woodlands-new-research-shows/ar-BBQ4NCu>
- <https://dailyheralds.org/research/africa-megaherbivores-succumbed-declining-woodlands-new-research-shows-48280808>
- <https://unews.utah.edu/human-ancestors-not-to-blame-for-ancient-mammal-extinctions-in-africa/>
- <https://news.ucsc.edu/2018/11/science-megaherbivores.html>

- <https://cosmosmagazine.com/palaeontology/ancient-african-extinctions-humans-off-the-hook>
- <https://www.youtube.com/watch?v=nBSO9eds2g4>

2018 *Proceedings B* hominin brain size evolution paper (February 2018):

- <https://www.inverse.com/article/41497-human-brain-size-evolution>
- <https://www.jhunewsletter.com/article/2018/03/the-progressive-evolution-of-human-brain-size>
- <https://www.sciencedaily.com/releases/2018/02/180220212021.htm>
- <https://www.uchicagomedicine.org/forefront/biological-sciences-articles/2018/february/brain-size-of-human-ancestors-evolved-gradually-over-3-million-years>
- <https://www.sciencealert.com/increased-endocranial-volumes-human-ancestors-evolved-gradually>
- <https://www.dailymail.co.uk/sciencetech/article-5419305/Human-brain-TRIPLED-size-three-million-years.html>
- <http://www.btrtoday.com/listen/thedailybeat/andrew-du-on-human-brain-size/>

Interview describing experiences of excavating fossil footprints and conducting archaeological experiments in the field (October 23<sup>rd</sup>, 2009):

- <http://www.foxnews.com/story/0,2933,569182,00.html>

Interview with *Philadelphia Inquirer* about excavating fossil footprints (March 2<sup>nd</sup>, 2009):

- <http://www.philly.com/philly/news/homepage/40409407.html>

## **PUBLIC UNDERSTANDING OF SCIENCE**

Interviewed by CSU graduate student for science podcast (February 22<sup>nd</sup>, 2021)

- Discussed my views of science and how I became interested in paleoanthropology

Computational Biology workshop for high school science clubs, The University of Chicago and Rauner College Prep. (February 24<sup>th</sup> & May 22<sup>nd</sup>, 2019)

- Gave a talk on the importance of computation in my research

“BePolished” event, The George Washington University (April 23<sup>rd</sup>, 2016)

- Created and supervised a taphonomy and paleontology education station for female minority elementary school students

Human Origins Today: “Early humans as part of prehistoric ecological communities”, Smithsonian National Museum of Natural History (February 27<sup>th</sup>, 2015)

- Held a question and answer session with the public about hominin paleoecology

St. Columba’s Nursery School, Washington, DC (January 30<sup>th</sup>, 2014)

- Created and supervised evolution education activities for preschoolers

Du – CV; Updated 8/24/21

“Scientist is in”, Smithsonian National Museum of Natural History (October 17<sup>th</sup>, 2013)

- Interacted with the public and answered questions about hominin casts”

“Forensic Friday”, Smithsonian National Museum of Natural History (March 18<sup>th</sup>, 2011)

- Taught taphonomy to the public using hands-on specimens

Internship with Dr. Briana Pobiner, Smithsonian National Museum of Natural History (Fall 2011)

- Developed website modules explaining dating techniques and to promote understanding of deep time concepts

Volunteer for “Rutgers Day”, Rutgers University (April 25<sup>th</sup>, 2009)

- Educated the public about human evolution using hominin casts

## REFERENCES

Dr. Anna K. Behrensmeyer

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