

CURRICULUM VITAE: JACKSON K. NJAU

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APPOINTMENTS

- 2017-pres. Associate Professor, Department of Earth & Atmospheric Sciences, Indiana University.
- 2011-17 Assistant Professor, Department of Geological Sciences, Indiana University.
- 2011-pres. Research Associate, The Stone Age Institute & CRAFT (Center for Research into the Anthropological Foundations of Technology), Indiana.
- 2013-pres. Adjunct Faculty, Department of Anthropology, Indiana University.
- 2012-pres. Adjunct Faculty, African Studies Program, Indiana University, Bloomington.
- 2009-11 Postdoctoral Research Fellow, Dept. Integrative Biology, University of California, Berkeley.
- 2006-10 Principal Curator, National Museum of Tanzania.
- 1992-05 Curator of Archaeology, National Museum of Tanzania.

EDUCATION

- 2006 PhD, Rutgers, The State University of New Jersey (Anthropology)
- 2000 MA, Rutgers, The State University of New Jersey (Anthropology)
- 2000 Quaternary Studies Cert., Geology & Anthropology, Rutgers University
- 1992 BA, University of Dar Es Salaam, Tanzania

AWARDS & FELLOWSHIPS

- 2005 Dean's Award for Excellence in Research, Rutgers University
- 2005 Dissertation Fellowship Center for Human Evolutionary Studies, Rutgers University.
- 2004 J. Flannagan, Graduate Fellowship, Rutgers University (1 yr. scholarship).
- 2003 Wenner-Gren Foundation, Graduate Fellowship (1 yr. scholarship)
- 1998 Wenner-Gren Foundation, Graduate Fellowship (2 yrs. scholarship).
- 1996 Baldwin Fellowship, L.S.B. Leakey Foundation (2 yrs. scholarship).

EXTERNAL GRANTS

- 2016-19 *National Science Foundation, BCS 1623873* (PI), Collaborative Research: An Examination of Behavioral and Biological Change in an Extended Chronological Context (\$199,548).
- 2017 *Wenner-Gren Foundation* (PI), East African Association of Paleoanthropology & Paleontology Conference, Addis Ababa, Ethiopia (\$20,000).
- 2013-14 *The Leakey Foundation* (Co-PI), Curation and Study of Olduvai Vertebrate Fossils (\$12,500).

- 2012-16 *European Research Council (283366)* (Co-PI). The Origins of the Acheulean in Eastern Africa-ORACEAF (€1.5 M).
- 2012 *Palaeontological Scientific Trust* (PI), Olduvai Landscape Paleoanthropology of Olduvai Gorge, Tanzania (\$11,700).
- 2015 *Wenner-Gren Foundation* (PI), Fifty Years after *Homo habilis* Conference, Dar Es Salaam, Tanzania (\$20,000).
- 2015 *Palaeontological Scientific Trust* (PI), Fifty Years after *Homo habilis* Conference, Dar Es Salaam, Tanzania (\$5,700).
- 2011-13 *National Science Foundation BCS 1025263* (Co-I), Vertebrate Paleontology at Olduvai Gorge, Tanzania (\$494,738).
- 2010-11 *Palaeontological Scientific Trust (PAST, South Africa)*, (PI) Olduvai Landscape Paleoanthropology of Olduvai Gorge (\$17,673).
- 2010-12 *British Academy, International Partnership, UK* (Co-PI), The Early Acheulian in Olduvai Gorge (£29,650).
- 2011-14 *The Leverhulme Trust, UK* (Co-I), Percussion Stone Technology: Implication for Primate Tool Use and Human Evolution (£124,900).
- 2011 *Wenner-Gren Foundation* (Co-PI), The East African Association for Paleoanthropology and Paleontology Conference, Addis Ababa, Ethiopia (\$15,000).
- 2008 *National Geographic Society* (Co-I), Surveying for New Paleoanthropological Sites in Tanzania (\$15,000).
- 2008 *Wenner-Gren Foundation*. (Co-PI). Fifty Years after *Paranthropus boisei* (*Zinjanthropus*), East African Association for Paleoanthropology and Paleontology Conference, Arusha, Tanzania (\$15,000).
- 2007 *Wenner-Gren Foundation (International Collaborative Research Grant)* (Co-PI), Survey for New Paleoanthropological Sites in Tanzania through satellite imagery (\$29,974).

PRE-DOCTORAL GRANTS

- 2002 *National Science Foundation, Doctoral Dissertation Improvement Grant* (\$12,000).
- 2001 *Wenner-Gren Foundation Research Grant* (\$19,500).
- 2000 *The Explorers Club New York, Exploration Fund Grant* (\$1,200).

PUBLICATIONS

[Google Scholar Citation](#)

* *paper led by a student or co-authored by student*

36. de la Torre, I., McHenry, L.J., **Njau, J.K.** (2018) Special Issue: From the Oldowan to the Acheulean at Olduvai Gorge, Tanzania. *Journal of Human Evolution* 120, 1-421 [DOI](#).
- *35. *Ascari, S., Njau, J.K., Polly, P.D., Sauer, P., Peng, Y.* (2018) Fossil herbivores and crocodiles as paleoclimatic indicators of environmental shifts from Bed I and

- Bed II times of the Olduvai Gorge, Tanzania. *Palaeogeography, Palaeoclimatology, Palaeoecology* 511, 550-557 [DOI](#).
- *34. Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, *Farrugia, P.*, Masao, F.T., Albert, R.M., Bamford, M.K. & Pante, M. (2018) Lahar inundated, modified and preserved 1.88 Ma early hominin (OH24 and OH56) Olduvai DK site. *Journal of Human Evolution* 116, 27-42. [DOI](#)
- *33. *Colcord, D.E.*, *Shilling, A.M.*, Sauer, P., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. (2018) Sub-Milankovitch palaeoclimatic and paleoenvironmental variability in East Africa recorded by Pleistocene lacustrine sediments from Olduvai Gorge, Tanzania. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 495, 284-291. [DOI](#)
32. Pante, M.C., **Njau, J.K.**, Hensley-Marschand, B., Keevil, T.L., Martín-Ramos, C., Peters, R.F., Torre, I. (2018) The carnivorous feeding behavior of early Homo at HWK EE, Bed II, Olduvai Gorge, Tanzania. *Journal of Human Evolution* 120, 215-235. [DOI](#)
30. Prassack, K., Pante, M.C., **Njau, J.K.** & de la Torre, I. (2018) The Paleoeecology of Fossil Birds from Middle Bed II, at Olduvai Gorge, Tanzania. *J. Hum. Evol.* 120, 32-47. [DOI](#)
29. Rivals, F., Uno, K., Bibi, F., Pante, M., **Njau, J.K.**, de la Torre, I. (2018) Dietary traits of the ungulates from the HWK EE site at Olduvai Gorge, Tanzania: Diachronic changes and seasonality. *Journal of Human Evolution* 120, 203-214. [DOI](#)
28. Bibi, F., Pante, M., Souron, A., Stewart, K., Varela, S., Werdelin, L., Boisserie, J.R., Fortelius, M., Hlusko, L., **Njau, J.K.** & de la Torre, I. (2018) Large mammals and fish from the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania, and the paleoecology of the Serengeti. *Journal of Human Evolution* 120, 48-75. [DOI](#)
27. de la Torre, I., Albert, R.M., Arroyo, A., Macphail, R., McHenry, L.J., Mora, R., **Njau, J.K.**, Pante, M.C., Rivera-Rondon, C.A., Rodríguez-Cintas, A., Stanistreet, I.G., Stollhofen, H. & Wehr, K. (2018) New excavations at the HWK EE site: archaeology, paleoenvironment and site formation processes during late Oldowan times at Olduvai Gorge, Tanzania. *J. Hum. Evolution* 120, 140-202. [DOI](#)
26. Uno, K., Rivals, F., Bibi, F., Pante, M., **Njau, J.K.** & de la Torre, I. (2018) Large mammal diets and paleoecology across the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania from stable isotope and tooth wear analyses. *Journal of Human Evolution* 120, 76-91. [DOI](#)
25. Albert, R.M., Bamford, M.K., Stanistreet, I.G., Stollhofen, H., Rivera-Rondon, C.A., **Njau, J.K.**, Blumenschine, R.J. (2018) River-fed wetland palaeovegetation and palaeoecology at the HWK W site, Bed I, Olduvai Gorge. *Review of Palaeobotany and Palynology* 259, 223-241. [DOI](#)
24. Pante, M.C., Muttart, M.V., Keevil, T.L., Blumenschine, R.J., **Njau, J.K.**, Merritt, S. (2017) A new high-resolution 3-D quantitative method for identifying bone surface modifications with implications for Early Stone Age archaeological record. *Journal of Human Evolution* 102, 1-11. [DOI](#)
23. **Njau, J.K.** & Gilbert, W.H. (2016) Standardizing terms for crocodile-induced bite marks on bone surfaces in light of the frequent bone modification equifinality

- found to result from crocodile feeding behavior, stone tool modification, and trampling. *FOROST (Forensic Osteology)* 3, 1-13. [DOI](#)
22. Johnson, C.C., **Njau, J.K.**, Van Damme, D., Schick, K., Toth, N. (2016) Paleoeologic significance of freshwater bivalves, Bed III, Olduvai Gorge, Tanzania. *Palaios* 31, 319-326. [DOI](#)
 21. McHenry, L.J., **Njau, J.K.**, de la Torre, I., Pante, M.C. (2016) Geochemical “fingerprints” for Olduvai Gorge Bed II tuffs and implications for the Oldowan–Acheulean transition. *Quaternary Research* 85, 147-158. [DOI](#)
 20. Jorayev, G., Wehr, K., Benito-Calvo, A., **Njau, J.K.**, Torre, I. (2016). Imaging and photogrammetry models of Olduvai Gorge (Tanzania) by unmanned aerial vehicles: a high-resolution digital database for research and conservation of Early Stone Age sites. *Journal of Archaeological Science* 75, 40-56. [DOI](#)
 19. Habermann, J., Stanistreet I.G., Stollhofen, H, Albert, R.M., Bamford, M.K., Pante, M., **Njau, J.K.**, Masao, F.T. (2016) In situ ~2.0 Ma trees discovered as fossil rooted stumps, lowermost Bed I, Olduvai Gorge, Tanzania, *Journal of Human Evolution* 90, 74-87. [DOI](#)
 18. Cherin, M., Iurino, D.A., **Njau, J.K.**, Masao, F.T. (2016) New material of hyaenids (Mammalia, Carnivora) from Olduvai Gorge, Tanzania (Early Pleistocene). *Bollettino della Società Paleontologica Italiana*, 55 (1), 1-9 [DOI](#)
 17. Hlusko, L.J., Reiner, W.R. & **Njau, J.K.** (2015) A one-million-year-old hominid distal ulna from Olduvai Gorge, Tanzania. *American Journal of Physical Anthropology* 158, 36-42. [DOI](#)
 16. **Njau, J.K.** (2013) Olduvai Gorge Archaeological Site. C. Smith (ed.), *Encyclopedia of Global Archaeology*. [DOI](#)
 15. Masao, F.T., Anton, S., **Njau, J.K.** (2013) Results of recent investigations of the Oldowan and associated hominid remains at the DK site, Olduvai Gorge. In: *Africa, cradle of humanity: Recent discoveries*. Travaux du Centre National de Recherches Préhistoriques, Anthropologiques et Historiques. Nouvelle série 18, Pp.147-187. [DOI](#)
 14. **Njau, J.K.** (2012) Reading Pliocene Bones. *Science* 336, 46-47. [DOI](#)
 13. **Njau, J.K.** & Blumenschine, R.J. (2012) Crocodylian and Mammalian Carnivore Feeding Traces on Hominin Fossils from FLK 22 and FLK NN 3, Late Pliocene, Olduvai Gorge, Tanzania. *Journal of Human Evolution* 63, 408-417. [DOI](#)
 12. Blumenschine, R.J., Stanistreet, I.G., **Njau, J.K.**, Bamford, M.K., Masao, F.T., Albert, R.M., Stollhofen, H., Andrews, P., Prassak, K.A., McHenry, L.J., Fernandez-Jalvo, Y., Camilli, E.L., Ebert, J. (2012) Environments and Hominin Activities across FLK Peninsula During *Zinjanthropus* Times (1.84 Ma), Olduvai Gorge, Tanzania. *Journal of Human Evolution* 63, 364-383. [DOI](#)
 11. Ungar, P.S., Krueger, K.L., Blumenschine, R.J., **Njau, J.K.**, Scott, R.S. (2012) Dental microwear texture analysis of hominins recovered by the Olduvai Landscape Paleoanthropology Project, 1995-2007. *J. Human Evolution* 63, 429-437. [DOI](#)
 10. Renne, P. R., Mulcahy, S.R., Cassata, W.S., Morgan, L.E., Kelley, S.P., Hlusko, L.J., **Njau, J.K.** (2012) Retention of inherited Ar by alkali feldspar xenocrysts in a magma: Kinetic constraints from Ba zoning profiles. *Geochimica et Cosmochimica Acta* 93, 129–142. [DOI](#)

9. Blumenschine, R.J., Masao, F.T., Stollhofen, H., Stanistreet, I.G., Bamford, M.K., Albert, R.M., **Njau, J.K.**, Prassack, K.A. (2012) Landscape distribution of Oldowan stone artifact assemblages across the fault compartments of the eastern Olduvai Lake Basin during early lowermost Bed II times. *Journal of Human Evolution* 63, 384-394. [DOI](#)
8. Westaway, M., Thompson, J., Wood, W., **Njau, J.K.** (2011) Crocodile ecology and the taphonomy of early Australasian sites. *Environmental Archaeology* 16, 124-136.
7. **Njau, J.K.** & Hlusko, L.J. (2010) Fine-Tuning Paleoanthropological Reconnaissance using High-Resolution Satellite Imagery: The Discovery of 28 New Sites in Tanzania. *Journal of Human Evolution* 59, 680-684. [DOI](#)
6. Brochu, C.A., **Njau, J.K.**, Blumenschine, R.J., Densmore, L.D. (2010) A New Horned Crocodile From Plio-Pleistocene Hominid Sites at Olduvai Gorge, Tanzania. *PLoS One* 5(2), e9333. [DOI](#)
5. Louchart, A., Wesselman, H., Blumenschine, R.J., Hlusko, L.J., **Njau, J.K.**, Black, M.T., Asnake, M., White, T.D. (2009) Taphonomic, Avian, and Small Vertebrate Indicators of *Ardipithecus ramidus* Habitat. *Science* 326, 66. [DOI](#)
4. **Njau, J.K.**, Alemseged, Z., Mbua, E., Pobiner, B. (2009) Fifty Years After Discovery of *Zinjanthropus* Conference. *Evolutionary Anthropology* 18, 235-236. [DOI](#)
3. Blumenschine, R.J., Peters, C.R., Capaldo, S.D., Andrews, P., **Njau, J.K.**, Pobiner, B.L. (2007) Vertebrate taphonomic perspectives on Oldowan hominin land use in the Plio-Pleistocene Olduvai Basin, Tanzania. In: *Breathing Life into Fossils: Taphonomic Studies in Honor of C.K. Brain* (T. Pickering, K. Schick, N. Toth eds.). Gosport, IN: Stone Age Institute Press. Pp. 161-179.
2. **Njau, J.K.** & Blumenschine, R.J. (2006) A Diagnosis of Crocodile Damage to Large Vertebrate Bones, With Fossil Examples From Olduvai Gorge, Tanzania. *Journal of Human Evolution* 50, 142-162. [DOI](#)
1. Blumenschine, R.J., Peters, C.R., Masao, F.T., Clarke, R.J., Deino, A.L., Hay, R.L., Swisher, C., Ashley, G.M., McHenry, L.J., Sikes, N.E., van der Merwe, N.J., Tactikos, J.C., Cushing, A.E., Deocampo, D.M., **Njau, J.K.**, Ebert, J.I. (2013) Late Pliocene Homo and Hominid Land Use from Western Olduvai Gorge, Tanzania. *Science* 299, 1217-1221. [DOI](#)

MANUSCRIPTS ACCEPTED (PEER-REVIEWED)

- **Farrugia, P.* & **Njau, J.K.** The Paleoecology and Taphonomy of DK Site, Olduvai Gorge, Tanzania. In *African Paleoecology and Human Evolution*. (Eds. Rene Bobe & Sally Reynolds), Cambridge University Press.
- Njau, J.K., Toth, N., Schick, K., Stanistreet, G. Special Issue: The Olduvai Gorge Coring Project-New insights regarding the palaeoclimatic and palaeoenvironmental context of hominin evolution in northern Tanzania *Palaeogeography, Palaeoclimatology, Palaeoecology*.
- Lu, K., Hanafy, S., Stanistreet, I.G., **Njau, J.K.**, Schick, K., Toth, N., Stollhofen, H., Schuster, G. Seismic imaging of the Olduvai Basin. *Palaeogeography, Palaeoclimatology, Palaeoecology*.

Merritt, S.R., Pante, M.C., Keevil, T.L., **Njau, J.K.**, Blumenshine, R.J. Don't cry over spilled ink: missing context prevents replication and creates the Rorschach effect in bone surface modification studies. *Journal of Archaeological Science*.

MANUSCRIPTS IN PREPARATION

Njau, J.K., Stanistreet, I.G., Stollhofen, H., Schick, K., Toth, N., McHenry, L.J., Deino, A., Lu, K., Hanafy, S., Schuster, G., Brassell, S.C., Colcord, D., Shilling, A., Johnson, C., Freeman, K. New stratigraphic, seismic, and biogeochemical insights refine the hominin evolutionary framework at Olduvai Basin, Tanzania.

NON PEER-REVIEWED PUBLICATIONS

Njau, J.K. 2014. Geoarchaeology summer field school at Olduvai Gorge, Tanzania. *Archaeological Geology Division of the Geological Society of America (GSA)*.

Torre, I., McHenry, L.J., **Njau, J.K.**, Pante, M. 2012. The Origins of the Acheulean at Olduvai Gorge. *Archaeology International* 15, 89-98. [DOI 10.5334/ai.1505](https://doi.org/10.5334/ai.1505).

Book

Njau, J.K. 2012. [*Crocodile predation and hominin evolution: landscape paleoanthropology at Olduvai Gorge*](#) GmbH & Co. KG. Saarbrücken, pp. 323.

RECENT RESEARCH PROJECTS LEADERSHIP

- *Olduvai Gorge Coring Project (OGCP)*. The influence of climatic, environmental and tectonic change on human evolution in Africa through scientific drilling and seismology.
- *Olduvai Geochronology and Archaeology Project (OGAP)*. The origin of Acheulean in Eastern Africa.
- *Olduvai Vertebrate Paleontology Project (OVPP)*
- *Olduvai Landscape Paleoanthropology Project (OLAPP)*. The origin of Oldowan hominin behavior and land use behavior.
- *Tanzania International Paleoanthropological Research Project*. Systematic field survey of the Eastern Africa Rift System (Tanzanian sector) for Tanzanian sector for paleontological and archaeological resources.

SELECTED INVITED SYMPOSIUMS, WORKSHOPS, TALKS

2018 Human Evolution and Environmental History in Africa: 25 Years of Transformative Research Symposium. Geological Society of America (GSA), Indianapolis, IN.

2016 Georgian National Museum, Tbilisi, Georgia. Intercontinental contemporary *Homo erectus* Workshop: Africa, Europe and China, represented by Olduvai Gorge, Dmanisi and Nihewan sites, respectively.

2015 Colorado State University, Fort Collins, CO. *New paleoclimate & paleoenvironmental records of hominin evolution at Olduvai Gorge, Tanzania*.

- 2014 Indiana State University, Terra Haute. *The role of crocodylians in human evolution.*
- 2013 University College London, UK. *Bone modification in African Pliocene hominid localities.*
- 2013 Indiana University, Bloomington. The ORIGIN Symposium. *Evolution of Hominin Landscapes at Olduvai Basin: The last 2 million years of human history.*
- 2011 University of Cambridge, UK. *Taphonomy and Paleoecology of Plio-Pleistocene Hominids at Olduvai Gorge.*
- 2011 Institute of Archaeology, University College London, UK. *Crocodile Bite Marks and Predation Ecology of Hominids at Olduvai Gorge.*
- 2009 Darwin's Legacy: Consortium in Evolutionary Primatology Conference (NYCEP). American Museum of Natural History, New York. *Was FLK Plio-Pleistocene Site a "Hominid Home Base"?*
- 2007 Naracoorte Caves National Park, Australia. *The Human Story: Four million years of evolution in Tanzania.*

CONFERENCE ABSTRACTS

- 2018 **Njau, J.K.**, Schick, K., Toth, N., Stanistreet, I., McHenry, L.J., Stollhofen, H., Lu, K., Hanafy, S., Schuster, G., Deino, A., Colcord, D., Shilling, A., Johnson, C., Herrmann, E., Pante, M., Ruck, L., Farrugia, P., Mai, P.M., Parisi, L. Deep coring and seismic experiments extend chronological and environmental contexts of hominin evolution at Olduvai Basin. Geological Society of America (GSA), Indianapolis, IN.
- 2018 **Njau, J.K.**, Toth, N., Schick, K., Herrmann, E.W., Ruck, L., Pante, M., Stanistreet, I., Stollhofen, H., McHenry, L.J., Brassell, S. Correlating palaeoenvironmental to archaeological records through continental coring and their implications to hominin behaviors at Olduvai Gorge, Tanzania. Pan African Congress for Archaeology, Rabat, Morocco.
- 2018 **Njau, J.K.** Olduvai Gorge in 21st Century: Research Advances and Infrastructure Development. Human Cognitive Evolution, John Templeton Foundation Workshop, Bloomington, Indiana.
- 2018 McHenry, L.J., Kodira, G.L., **Njau, J.K.**, Stanistreet, I.G., Schick, K., Toth, N. Bulk mineralogy from cores as a proxy for paleogeography and paleolake conditions: an XRD record of the Olduvai paleolake. Geological Society of America (GSA), Indianapolis, IN.
- 2018 Kearney, J., Johnson, C., **Njau, J.K.**, Toth, N., Schick, K. Depositional environmental interpretations of Bed III and Bed IV, Olduvai Gorge, Tanzania: Expanding upon the work of Richard Hay, 1976. Geological Society of America (GSA), Indianapolis, IN.
- 2018 Colcord, D.E., Shilling, A.M., Freeman, K.H., Sauer, P.E., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. Response of the terrestrial and aquatic environments at Paleolake Olduvai to Pleistocene precipitation changes. GSA, Indianapolis, IN.
- 2018 Shilling, A.M., Colcord, D.E., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N. Brassell, S.C. Biogeochemical evidence of change in depositional setting in Paleolake Olduvai at ~1.85 Ma associated with

- complex interactions of climate, tectonics, and volcanism. Geological Society of America (GSA), Indianapolis, IN.
- 2018 Prassack, K.A., **Njau, J.K.**, Pante, M.C., McHenry, L.M., de la Torre, I. Vultures Moving in: Fossil Birds Suggest a More Open and Heterogeneous Landscape During the Oldowan-Acheulean Transition. The PaleoAnthropology Society, Austin, TX.
- 2018 Pante, M., Keevil, T., Muttart, M., Orlikoff, E., Tolley, A., **Njau, J.K.**, Pobiner, B. The past, present, and future of bone surface modification research. The PaleoAnthropology Society, Austin, TX.
- 2017 **Njau, J.K.** & Blumenschine, R.J. Evolution of the Greater Serengeti: Geological, Paleontological and Paleoanthropological perspectives. The Greater Serengeti Ecosystem Symposium. Seronera, Serengeti.
- 2017 **Njau, J.K.**, McHenry, L.J., Stanistreet, I.G., Stollhofen, H., Schick, K., Toth, N. Linking drill cores to outcrop: high-resolution reconstruction of hominin paleolandscapes at Olduvai Gorge. East African Association of Paleoanthropology & Paleontology (EAAPP). Addis Ababa, Ethiopia.
- 2017 McHenry, L.J., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Deino, A.L., Schick, K., Toth, N. Using tephrostratigraphy to link cores to outcrops at Olduvai Gorge, Tanzania. The PaleoAnthropology Society. Vancouver, BC.
- 2017 Pante, M.C., **Njau, J.K.**, Torre, I., McHenry, L. The feeding behavior of early Homo at HWK-EE, Bed II, Olduvai Gorge. The PaleoAnthropology Society. Vancouver, BC.
- 2017 Brassell, S.C., Colcord, D.E., Shilling, A.M., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N. Molecular stratigraphic records of climatic and environmental change at Lake Olduvai (~1.8 Myr). Goldschmidt.
- 2017 Brassell, S.C., Colcord, D.E., Shilling, A.M., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N. Biogeochemical evidence from sedimentary records of short-term changes in the depositional environment of Lake Olduvai (~1.86 Ma). European Association of Organic Geochemists.
- 2017 Shilling, A.M., Colcord, D.E., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N. Brassell, S.C. Biomarkers record changes in the depositional environment of Paleolake Olduvai concurrent with increased hominin diversity. European Association of Organic Geochemists.
- 2017 Muttart, M., Pante, M.C., Torre, I., **Njau, J.K.** Taxonomic distinctions in the 3-D micromorphology of tooth marks with application to feeding traces from Middle Bed II, Olduvai Gorge, Tanzania. PaleoAnthropology Society. Vancouver, BC.
- 2017 Predator avoidance and origins of Oldowan hominin cognitive behavior at Olduvai. Institute of Vertebrate Paleontology & Paleoanthropology, Chinese Academy of Science, Beijing, China (Stone Age Institute workshop funded by John Templeton Foundation)
- 2016 Early hominins at Olduvai Gorge, Tanzania and their paleoenvironmental context. Homo erectus 100+25 International Conference. Tbilisi, Republic of Georgia.
- 2016 McHenry, L.J., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Deino, A.L., Schick, K., Toth, N. A tuff job: linking cores to outcrop using tephrostratigraphy at

- Pleistocene Olduvai Gorge, Tanzania. Geological Society of America (GSA). Denver, CO.
- 2016 Stanistreet, I.G., **Njau, J.K.**, Schick, K., Toth, N., Stollhofen, H., McHenry, L.J., Deino, A.L. Correlating known hominin sites and paleolandscapes to the OGCP cores, Olduvai Gorge, Tanzania. Geological Society of America (GSA). Denver, CO.
- 2016 Brassell, S.C., Colcord, D.E., Shilling, A.M., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Biogeochemical proxies of climatic and environmental change from the sedimentary record of Paleolake Olduvai (~1.80 - 1.88Ma). American Geophysical Union (AGU).
- 2016 Pante, M., **Njau, J.K.**, Keevil, T., Muttart, M., Blumenshine, R.J. A quantitative reassessment of feeding trace morphology and implications for the earliest archaeological cut marked bones. Paleoanthropology Society. Atlanta, GA.
- 2016 Colcord, D.E., Shilling, A.M., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. Organic geochemical proxies of climatic and environmental change from the sedimentary record of Olduvai Gorge (~1.85 - 1.88Ma). Geological Society of America (GSA). Denver.
- 2016 Shilling, A.M., Colcord, D.E., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. Sedimentary biomarkers record environmental changes associated with shallowing of Lake Olduvai (ca. 1.8 Myr). Geological Society of America (GSA). Denver, CO.
- 2016 Muttart, M., Pante, M. & **Njau, J.K.** Quantifying taxonomic distinctions in tooth mark morphology with high-resolution 3-D scanning. Paleoanthropology Society. Atlanta, GA.
- 2016 Kearney, J., Johnson, C.C. & **Njau, J.K.** Using conglomerates and paleosols to make paleoenvironmental reconstructions in the Side Gorge of Olduvai Gorge, Tanzania. Geological Society of America (GSA). Denver, CO.
- 2015 **Njau, J.K.**, Stanistreet, I., McHenry, L.J., Stollhofen, H., Schick, K., Toth, N. New investigations on hominin paleolandscapes, paleoenvironments and paleoclimates through scientific drilling at Olduvai Gorge, Tanzania. Geological Society of America (GSA). Baltimore, MD.
- 2015 McHenry, L.J., **Njau, J.K.**, Torre, I., Pante, M. Detailed stratigraphic correlations across the Pleistocene Olduvai basin, northern Tanzania, at the Oldowan-Acheulean technological transition. Geological Society of America (GSA). Baltimore, MD.
- 2015 Johnson, C.C., **Njau, J.K.**, Van Damme, D., Schick, K., Toth, N. Paleoecology of fossil molluscan bivalves, Bed III, Olduvai Gorge, Tanzania. Geological Society of America (GSA). Baltimore, MD.
- 2015 Yohler, R.M., **Njau, J.K.** & Brophy, J.G. A geophysical approach to understanding the Olduvai Gorge Basin subsurface: Using magnetics to track Bed I basalt flows. Geological Society of America (GSA). Baltimore, MD.
- 2015 Ascari, S.H. & **Njau, J.K.** Isotopic analyses of fossil bones and teeth of herbivores and crocodiles from Pleistocene Olduvai Basin, Tanzania. Geological Society of America (GSA). Baltimore, MD.

- 2015 Swartz, S.M & **Njau, J.K.** 3D Modeling off-grid: Photogrammetry as a field resource for creating polygonal models of fossil material at Olduvai Gorge, Tanzania. Geological Society of America (GSA). Baltimore, MD.
- 2015 Kearney, J., Johnson, C.C. & **Njau, J.K.** Reconstructing paleoenvironments to determine ecological evolutionary drivers for *Homo erectus* during Beds III-IV times, Olduvai Gorge, Tanzania. Geological Society of America (GSA). Baltimore, MD.
- 2015 Freeman, K.H., Doman, C., Colcord, D., Brassell, S.C., **Njau, J.K.**, Stanistreet, I., Schick, K., Toth, N. Biomarker signatures of fire and grassland-forest transitions associated with hominins at Olduvai Gorge, Tanzania. Geological Society of America (GSA). Baltimore, MD.
- 2015 Toth, N., Schick, K., **Njau, J.K.**, Stanistreet, I. The Olduvai Geological Coring Project: Providing a new paleoenvironmental context for human evolution at Olduvai Gorge, Tanzania. Paleoanthropology Society. San Francisco, CA.
- 2014 **Njau, J.K.**, Pante, M., McHenry, L.J., de la Torre, I. Paleoenvironments of Bed II Olduvai Gorge, Tanzania. *Journal of Vertebrate Paleontology*.
- 2014 Johnson, C.C., **Njau, J.K.**, Kauffman, C.E., Kauffman, E., Toth, N., Schick, K. and Kearney, J. Bivalve mollusc assemblage of Bed III, Olduvai Gorge, Tanzania. 10th North American Paleontology Convention, Abstract Book, p. 35.
- 2013 **Njau, J.K.**, Kihyo, J., Msemwa, P., Kweka, A., Pareso, J., Gidna, A., Hlusko, L.J. Fossils from Olduvai Gorge come home and go online. *American J. Physical Anthropology* 150, DOI: [10.1002/ajpa.22247](https://doi.org/10.1002/ajpa.22247) S56.
- 2013 Hensley-Marschand, B., **Njau, J.K.**, Vermillion, W. Hippopotamus at Olduvai Gorge indicates persistent wetland environments during a period of increasing aridification in early hominin evolution. *J. Vertebrate Paleontology*, Suppl. Issue.
- 2013 Hlusko, L.J., Reiner, W., **Njau, J.K.** A new 1 million-year-old hominid distal ulna and other 2012 fossil discoveries from Olduvai Gorge, Tanzania. *American J. Physical Anthropology*, 150 DOI: [10.1002/ajpa.22247](https://doi.org/10.1002/ajpa.22247).
- 2013 Wärländer, S.K.T.S & **Njau, J.K.** Identifying the Source of Bone Marks via Optical Profilometry 3D Images. *American J. Physical Anthropology*, 150, DOI: [10.1002/ajpa.22247](https://doi.org/10.1002/ajpa.22247)
- 2012 **Njau, J.K.** & Hlusko, L.J. Introducing CODI (the Comprehensive Olduvai Database Initiative): An electronic repository of information about fossils from Olduvai Gorge. Paleoanthropology Society. Pp. 22.
- 2012 Hlusko, L.J. & **Njau, J.K.** An electronic repository of terrestrial vertebrate fossils from the Plio-Pleistocene of Olduvai Gorge, Tanzania. *J. Vert. Paleontology*.
- 2012 Copeland, S.R., Reed, D., Blumenschine, R.J., **Njau, J.K.**, Sponheimer, M., Richards, M. Tracking ancient animal movements in Northern Tanzania using Strontium isotopes. *American J. Physical Anthropology* 147 (S54), 120.
- 2010 **Njau, J.K.** and Blumenschine, R.J. Hominin Predation Hazards from Carnivores on the FLK *Zinjanthropus* and FLKNN OH7/OH8 Landscapes, Olduvai Gorge. Paleoanthropology Society A30.
- 2010 Ungar, P.S., Krueger, K.L., Blumenschine, R.J., Scott, R.S., **Njau, J.K.** Dental microwear texture analysis of newly discovered hominins from Olduvai Gorge. *American Journal of Physical Anthropology* (Suppl. 50, 232A).

- 2008 Brochu, C.A., **Njau, J.K.**, Blumenschine, R.J. & Densmore, L.I.D. Giant horned crocodiles from the Late Cenozoic of Africa: Stealth diversity revisited. *Journal of Vertebrate Paleontology* 28, 57A.
- 2008 Westaway, M., **Njau, J.K.**, & Wood, W. Towards a clearer understanding of the importance of crocodiles as taphonomic agents in the early hominin fossil record. Australian Archaeological Association Annual Conference, 63A.
- 2007 **Njau, J.K.** & Blumenschine, R.J. Crocodylian Predation Risk for Plio-Pleistocene Hominins at Olduvai Gorge, Tanzania. *Paleoanthropology Society*, A21.
- 2005 **Njau, J.K.** and Blumenschine, R.J. Bone modification by crocodylians in Plio-Pleistocene fossil assemblages, Olduvai Gorge, Tanzania. *Journal of Vertebrate Paleontology* 25, 96A.
- 2004 **Njau, J.K.** & Blumenschine, R.J. A diagnosis of crocodile damage to large vertebrate bones with fossil examples from Olduvai Gorge, Tanzania. *Paleoanthropology Society*, A54.

PROFESSIONAL SERVICE

Associate Editor

- *Journal of Human Evolution* (2009-2012)

Guest Editor

- *Journal of Human Evolution* (2016-2018)

Manuscript Reviewer

- *Yearbook of Physical Anthropology*
- *Journal of Human Evolution*
- *African Archaeological Review*
- *Plos One*
- *Palaios*

Grant Proposal Reviewer

- NSF panelist
- NSF reviewer
- National Geographic Society
- The Leakey Foundation
- Palaeontological Scientific Trust, South Africa
- American Association of Physical Anthropology, Pollitzer Graduate Travel Award

Professional Organization Position

- Member, Scientific Advisory Committee, Palaeontological Scientific Trust (PAST), South African non-profit based organization (2011-present).
- Vice President, East African Association for Paleoanthropology and Paleontology (EAAPP) (2015-present).

Professional Conference Organization

- The East African Association for Paleoanthropology and Paleontology biennial conference, Dar Es Salaam, Tanzania, 2015 & Ethiopia, 2011, 2017 (Co-organizer).
- Olduvai Gorge Drilling for Scientific Research Concept Workshop, Stone Age Institute, Indiana (Co-organizer, 2014).

STUDENTS MENTORED AT INDIANA UNIVERSITY

Graduate Students

1. Paul Farrugia (PhD expected 2019, principal advisor)
2. Danielle Peltier-Thompson (PhD expected 2022, principal advisor)
3. Silvia Ascari (MS 2015, principal advisor; now pursuing PhD with Dr. Polly, IU).
4. Sarah Swartz (MS 2016, principal advisor).
5. Robin Green (PhD, co-advisor with David Polly – not completed).
6. David Grossnickle (MS 2013, principal advisor; completed PhD 2018, University of Chicago).

Undergraduate Students

1. Mallory Schreier (Honors thesis, BS in Geology & Anthropology, 2013, principal advisor; MS in Anthropology, Boise State University).
2. Mackenzie Kirchner-Smith (BS, Paleontology 2013, pursuing PhD at UC Berkeley).
3. Ryan Yohler (BS Geology 2016, now pursuing PhD at UC Berkeley).
4. Alexis Jarson (BA Anthropology, 2016, principal advisor).
5. Susan Mulligan (BS in Geology, 2016).
6. Crystal Weststad: (BS in Geology & STARS Scholar, 2015).
7. Rilley Ede (BS in Geology, 2019)

Research Committee Membership at Indiana University

1. Jenny Riley (PhD in Anthropology, 2018)
2. John Kearney (PhD in Geology, 2018)
3. Michael Smith (PhD in Geology, 2017)
4. Wesley Vermillion (MS in Geology, 2016)
5. Devon Colcord (PhD in Geology, expected 2019)
6. Allison Bormet (degree sought, PhD in Geology)
7. Andrea Shilling (degree sought, PhD in Geology)
8. Spencer Hellert (degree sought, PhD in Geology)
9. Alex Zimmerman (degree sought, PhD in Paleontology)
10. Delanie Hurst (degree sought, PhD in Anthropology)
11. Ann Kort (degree sought, MS in Paleontology)

COURSES TAUGHT AT INDIANA UNIVERSITY

- GEOL-G 104, Evolution of the Earth
- GEOL-G 227, Earth Climate and History
- GEOL-X377, Geology & Paleoanthropology Field School, Olduvai Gorge, Tanzania (2014-2018)
- GEOL-G 490, Evolution of Terrestrial Ecosystems, Advanced Seminar
- GEOL-G 561, Paleoecology
- GEOL-G 637: Tectonics of the African Rift Valley (Co-taught with Dr. Michael Hamburger)
- GEOL-G 690, Climate Change & Human Evolution in Africa, Advanced Seminar.
- GEOL-G 690, Vertebrate Taphonomy of East African Rift System
- GEOL-G 690, Olduvai Gorge, Advanced Seminar (Co-taught with Drs. Simon Brassell & Claudia Johnson)

- GEOL-G G690, Landscape Paleoecology, Advanced Seminar.

DEPARTMENT AND UNIVERSITY SERVICE

- 2017- Member Undergraduate Committee, Department of Earth & Atmospheric Sciences.
- 2015-16 Member of Graduate Admissions Committee, Department of Geological Sciences.
- 2015 Development of IU Alumni College course for Tanzania Field School fund raising initiative for Olduvai Gorge Field School (with Prof. Jim Brophy).
- 2015 Member, Academic Initiatives Committee, African Studies Program.
- 2013 Judge for Crossroads Conference, Department of Geological Sciences, IU.

EDUCATION AND OUTREACH ACTIVITIES

- 2016-18 K-12 Science Teachers Workshops: Understanding evolution and how science work. Arusha Municipal Community Teachers, Tanzania. Funded by Stone Age Institute and John Templeton Foundation.
- 2011-13 [K-12 Science Teachers Workshops](#): Understanding evolution and how science work. National Museum of Tanzania (Co-PI).
- 2012 Human Evolution in Africa: Temporary exhibition at the Museum of Natural History in Arusha, Tanzania, highlighting major discoveries at Olduvai Gorge since 1911. Funded by British Academy, International Partnership (Co-PI).
- 2011 Google Luna-Geo Tech Talk; Satellite imagery & archaeological discoveries in Tanzania. Google headquarters, Mountain View, CA.
- 2011 African Curators Forum, Addis Ababa, Ethiopia. Funded by Palaeontological Scientific Trust, PAST).

PROFESSIONAL SOCIETY MEMBERSHIPS

Paleoanthropology Society; East Africa Association for Paleoanthropology and Paleontology (EAAPP); Geological Society of America (GSA); Society of Vertebrate Paleontology (SVP)