

CURRICULUM VITAE: JACKSON K. NJAU

Indiana University
Department of Geological Sciences
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APPOINTMENTS

- 2011-pres. 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.
2009-11 Postdoctoral, Human Evolutionary Research Center, University of California, Berkeley.
2006-10 Principal Curator, National Museum of Tanzania.

PROFESSIONAL PREPARATION

- 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 (*with honors*), University of Dar Es Salaam, Tanzania

PUBLICATIONS

- 2017 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.
<http://dx.doi.org/10.1016/j.jhevol.2016.10.002>
- 2016 **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) Occasional Publications* 3, 1-13.
[doi:10.13140/RG.2.2.15139.66087](https://doi.org/10.13140/RG.2.2.15139.66087)
- 2016 Johnson, C.C., **Njau, J.K.**, Van Damme, D., Schick, K., Toth, N. Paleoecologic significance of freshwater bivalves, Bed III, Olduvai Gorge, Tanzania. *Palaios* 31, 319-326. <http://dx.doi.org/10.2110/palo.2016.001>.
- 2016 McHenry, L.J., **Njau, J.K.**, de la Torre, I., Pante, M.C. Geochemical “fingerprints” for Olduvai Gorge Bed II tuffs and implications for the Oldowan–Acheulean transition. *Quaternary Research* 85, 147-158.
<http://dx.doi.org/10.1016/j.yqres.2015.10.005>.
- 2016 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.
<http://dx.doi.org/10.1016/j.jas.2016.08.002>.

- 2016 Habermann, J., Stanistreet I.G., Stollhofen, H, Albert, R.M., Bamford, M.K., Pante, M., **Njau, J.K.**, Masao, F.T. In situ ~2.0 Ma trees discovered as fossil rooted stumps, lowermost Bed I, Olduvai Gorge, Tanzania, *Journal of Human Evolution* 90, 74-87. <http://dx.doi.org/10.1016/j.jhevol.2015.09.011>
- 2016 Cherin, M., Iurino, D.A., **Njau, J.K.**, Masao, F.T. New material of hyaenids (Mammalia, Carnivora) from Olduvai Gorge, Tanzania (Early Pleistocene). *Bollettino della Società Paleontologica Italiana*, 55 (1), 1-9. [doi:10.4435/BSPI.2016.01](https://doi.org/10.4435/BSPI.2016.01).
- 2015 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: 10.1002/ajpa.22765](https://doi.org/10.1002/ajpa.22765)
- 2013 **Njau, J.K.** Olduvai Gorge Archaeological Site. C. Smith (ed.), *Encyclopedia of Global Archaeology*, [DOI: 10.1007/978-1-4419-0465-2](https://doi.org/10.1007/978-1-4419-0465-2)
- 2013 Masao, F.T., Anton, S., **Njau, J.K.** 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: 10.13140/rg.2.1.2004.2964](https://doi.org/10.13140/rg.2.1.2004.2964)
- 2012 **Njau, J.K.** Reading Pliocene Bones. *Science* 336, 46-47. [10.1126/science.1216221](https://doi.org/10.1126/science.1216221)
- 2012 **Njau, J.K.** & Blumenschine, R.J. 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:10.1016/j.jhevol.2005.08.008](https://doi.org/10.1016/j.jhevol.2005.08.008)
- 2012 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. Environments and Hominin Activities across FLK Peninsula During *Zinjanthropus* Times (1.84 Ma), Olduvai Gorge, Tanzania. *Journal of Human Evolution* 63, 364-383. [doi:10.1016/j.jhevol.2011.10.001](https://doi.org/10.1016/j.jhevol.2011.10.001)
- 2012 Ungar, P.S., Krueger, K.L., Blumenschine, R.J., **Njau, J.K.**, Scott, R.S. Dental microwear texture analysis of hominins recovered by the Olduvai Landscape Paleanthropology Project, 1995-2007. *Journal of Human Evolution* 63, 429-437. [doi:10.1016/j.jhevol.2011.04.006](https://doi.org/10.1016/j.jhevol.2011.04.006)
- 2012 Renne, P. R., Mulcahy, S.R., Cassata, W.S., Morgan, L.E., Kelley, S.P., Hlusko, L.J., **Njau, J.K.** Retention of inherited Ar by alkali feldspar xenocrysts in a magma: Kinetic constraints from Ba zoning profiles. *Geochimica et Cosmochimica Acta* 93, 129–142. <http://dx.doi.org/10.1016/j.gca.2012.06.029>
- 2012 Blumenschine, R.J., Masao, F.T., Stollhofen, H., Stanistreet, I.G., Bamford, M.K., Albert, R.M., **Njau, J.K.**, Prassack, K.A. 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:10.1016/j.jhevol.2011.05.003](https://doi.org/10.1016/j.jhevol.2011.05.003).
- 2011 Westaway, M., Thompson, J., Wood, W., **Njau, J.K.** Crocodile ecology and the taphonomy of early Australasian sites. *Environmental Archaeology* 16, 124-136. [doi:10.1179/174963111X13110803260930](https://doi.org/10.1179/174963111X13110803260930)

- 2010 **Njau, J.K.** & Hlusko, L.J. 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:10.1016/j.jhevol.2010.07.014](https://doi.org/10.1016/j.jhevol.2010.07.014)
- 2010 Brochu, C.A., **Njau, J.K.**, Blumenschine, R.J., Densmore, L.D. A New Horned Crocodile From Plio-Pleistocene Hominid Sites at Olduvai Gorge, Tanzania. *PLoS One* 5(2), e9333. [doi:10.1371/journal.pone.0009333.s001](https://doi.org/10.1371/journal.pone.0009333.s001)
- 2009 Louchart, A., Wesselman, H., Blumenschine, R.J., Hlusko, L.J., **Njau, J.K.**, Black, M.T., Asnake, M., White, T.D. Taphonomic, Avian, and Small Vertebrate Indicators of *Ardipithecus ramidus* Habitat. *Science* 326, 66. [DOI: 10.1126/science.1175823](https://doi.org/10.1126/science.1175823).
- 2007 Blumenschine, R.J., Peters, C.R., Capaldo, S.D., Andrews, P., **Njau, J.K.**, Pobiner, B.L. 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.
- 2006 **Njau, J.K.** and Blumenschine, R.J. A Diagnosis of Crocodile Damage to Large Vertebrate Bones, With Fossil Examples From Olduvai Gorge, Tanzania. *Journal of Human Evolution* 50, 142-162. [doi:10.1016/j.jhevol.2005.08.008](https://doi.org/10.1016/j.jhevol.2005.08.008)
- 2003 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. Late Pliocene Homo and Hominid Land Use from Western Olduvai Gorge, Tanzania. *Science* 299, 1217-1221. [DOI: 10.1126/science.1075374](https://doi.org/10.1126/science.1075374).

NON PEER-REVIEWED PUBLICATIONS

- 2014 **Njau, J.K.** Geoarchaeology summer field school at Olduvai Gorge, Tanzania. *Archaeological Geology Division of the Geological Society of America (GSA)*.
- 2012 Torre, I., McHenry, L.J., **Njau, J.K.**, Pante, M. 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).
- 2009 **Njau, J.K.**, Alemseged, Z., Mbua, E., Pobiner, B. Fifty Years After Discovery of *Zinjanthropus* Conference. *Evolutionary Anthropology* 18, 235-236. [DOI 10.1002/evan.20241](https://doi.org/10.1002/evan.20241).

THESES

- 2006 The Relevance of Crocodylians to Oldowan Hominin Paleoecology at Olduvai Gorge, Tanzania. PhD dissertation, Dept. of Anthropology, Rutgers, The State University of New Jersey, New Brunswick. http://www.paleoanthro.org/dissertation_list.htm
- 2000 Taphonomic Relationships Between Subaerial and Subsurface Assemblages in Recent Lake Margin Environments: Its Relevance to the Formation of Fossil Bone Assemblages. MA thesis, Dept. of Anthropology, Rutgers University, New Jersey.

BOOK

- 2012 Njau, J.K. *Crocodile predation and hominin evolution: landscape paleoanthropology at Olduvai Gorge* (published thesis), LAP GmbH & Co. KG. Saarbrücken, pp. 323. <http://www.amazon.com/Crocodile-Predation-Hominin-Evolution-Paleoanthropology/dp/3848488248/>.

GRANTS (post PhD)

- 2017 *Wenner-Gren Foundation* (PI), To aid “The East African Association for Paleoanthropology and Paleontology (EAAPP) Sixth Biennial Conference,” Addis Ababa U., in collaboration with Dr. Briana Pobiner (\$20,000).
- 2016-19 *National Science Foundation, BCS 1623873* (Lead PI), Collaborative Research: An Examination of Behavioral and Biological Change in an Extended Chronological Context (\$274,636).
- 2013-14 *The Leakey Foundation* (PI), Curation and Study of Olduvai Vertebrate Fossils (\$12,500).
- 2012-16 *European Research Council-Starting Grant (283366)* (PI), Ignacio de la Torre. Co-PIs: Jackson Njau & Lindsay McHenry. The Origins of the Acheulean in Eastern Africa-ORACEAF (€1.5 M).
- 2012 *Palaeontological Scientific Trust* (PI), Olduvai Landscape Paleoanthropology of Olduvai Gorge, Tanzania (97,000 ZAR).
- 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).
- 2010-13 *National Science Foundation BCS 1025263*. Vertebrate Paleontology at Olduvai Gorge, Tanzania (\$494,738), PI: L.J. Hlusko, Co-I: J.K. Njau.
- 2011-12 *British Academy, International Partnership, UK*. The Early Acheulian in Olduvai Gorge (£29,650). Co-PIs: I. Torre & J.K. Njau.
- 2011 *Palaeontological Scientific Trust (PAST)*, Olduvai Landscape Paleoanthropology of Olduvai Gorge (99,000 ZAR), PI; J.K. Njau.
- 2011-14 *The Leverhulme Trust, UK*. Percussion Stone Technology: Implication for Primate Tool Use and Human Evolution (£124,900). PI; I. Torre; Co-Is: J.K. Njau, H. Roche, S. Carvalho, R. Blumenschine, S. Harmand, T. Matsuzawa, W. McGrew, R. Mora.
- 2011 *Wenner-Gren Foundation*. The East African Association for Paleoanthropology and Paleontology Conference, Addis Ababa, Ethiopia (\$15,000). Co-PIs; Z. Alemseged & J.K. Njau.
- 2010 *Palaeontological Scientific Trust (PAST)*, Olduvai Landscape Paleoanthropology of Olduvai Gorge (100,000 ZAR), PI; J.K. Njau.
- 2008 *National Geographic Society*. Surveying for New Paleoanthropological Sites in Tanzania (\$15,000). PI: L.J. Hlusko, Co-I: J.K. Njau
- 2008 *Wenner-Gren Foundation*. The East African Association for Paleoanthropology and Paleontology, Conference, Arusha, Tanzania (\$15,000). Co-PIs: Z. Alemseged J.K. Njau.

- 2007 *Wenner-Gren International Collaborative Research Grant*. Surveying for New Paleanthropological Sites in Tanzania (\$29,974). Co-PIs: L.J. Hlusko & J.K. Njau.

PRE-DOCTORAL GRANTS

- 2002 *NSF- 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).

SCHOLARSHIPS & AWARDS

- 2006 Professional International Development Fellowship, Wenner-Gren Foundation, New York; Post-doctoral fellowship (\$5,000)
2005 Dissertation Fellowship, Center for Human Evolutionary Studies, Rutgers University (\$12,000)
2004 Graduate School Fellowship, Rutgers University (\$17,000)
2003 Professional International Development Fellowship, Wenner-Gren Foundation, New York (\$15,000)
1998 Developing Countries Training Fellowship, Wenner-Gren Foundation, New York (\$25,000)
1996 Baldwin Fellowship, L.S.B. Leakey Foundation, California (\$20,000)

STUDENTS RESEARCH GRANTS

Paul Farrugia – PhD field research in Tanzania

- *IU Department of Geological Sciences*, 2016 (\$1,200)
- *Geological Society of America*, 2013 (\$2,125)
- *IU Department of Geological Sciences*, 2013 (\$1,500)

Robin Green - Ostracodes as proxies for Pleistocene climate history at early hominid site, Olduvai Gorge

- *IUB Provost's Travel Award for Women in Science*, 2015 (\$1,200).
- *The Paleontology Society*, 2013 (\$800)
- *Sigma Xi*, 2013 (\$1,000)
- *IU Department of Geological Sciences*, 2013 (\$1,500)

INVITED TALKS

- 2015 Colorado State University, Fort Collins, CO. *New paleoclimate & paleoenvironmental records of hominin evolution at Olduvai Gorge, Tanzania.*
2015 University of Dar Es Salaam, Tanzania. *New approach for investigating paleoenvironmental contexts of hominin evolution.*
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*.
- 2011 Indiana University, Bloomington. The ORIGIN Symposium, *Olduvai Gorge: A case study in human evolution*.
- 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"?*.
- 2009 Rutgers University. *In Search of Our Origins: New Paleoanthropological Survey in Tanzania*.
- 2007 Naracoorte Caves National Park, Australia. *The Human Story: Four million years of evolution in Tanzania*.

CONFERENCE AND WORKSHOP PRESENTATIONS

- 2016 Homo erectus 100+25 International Conference. *Early hominins at Olduvai Gorge, Tanzania and their paleoenvironmental context*. Tbilisi, Republic of Georgia.
- 2015 Geological Society of America. *New investigations on hominin paleolandscapes, paleoenvironments and paleoclimates through scientific drilling at Olduvai Gorge, Tanzania*. Annual meeting, Baltimore, MD.
- 2015 East African Association for Paleoanthropology and Paleontology (EAAPP). *Paleoenvironmental reconstruction of the Pleistocene Olduvai Basin: New research methods and insight into human origins*. Dar Es Salaam, Tanzania.
- 2014 Society of Vertebrate Paleontology. *Paleoenvironments of Bed II Olduvai Gorge, Tanzania*, Berlin, Germany.
- 2014 Percussive Technology and Human Evolution International Conference. *Percussive traces of crocodylian bite marks*. London, UK.
- 2014 Olduvai Gorge Drilling for Scientific Research. Concept Workshop, Stone Age Institute, Indiana.
- 2013 American Association of Physical Anthropology. *Fossils from Olduvai Gorge come home and go online*. Annual meeting, Knoxville, TN.
- 2012 Paleoanthropology Society. *Introducing CODI (the Comprehensive Olduvai Database Initiative): An electronic repository of information about fossils from Olduvai Gorge*. Memphis, TN.
- 2012 International Network on Primate Archaeologists. *Percussive technology in human evolution*. Workshop convener, Arusha, Tanzania.
- 2011 African Archaeology Research Day (AARD). *Application of satellite imagery and discovery of new paleoanthropological sites in Tanzania*. Institute of Archaeology, University College London, UK.
- 2009 East Africa Association of Paleoanthropology and Paleontology (EAAPP). *Hunting or hunted? Predation hazards at FLK Zinjanthropus and FLK NN OH7/OH8 Paleolandscapes*, Arusha, Tanzania.
- 2009 The New York Consortium in Evolutionary Primatology Conference (NYCEP), Darwin's Legacy: Early Human Evolution in Africa. American Museum of Natural History, NYC.
- 2008 Swedish-African Museum Program. Museums Network Management and Logical Framework Analysis Workshop, Cape Town, South Africa.

- 2008 International Conference on Transforming the Might of a Century Long Research output into Development. *Following the Ethiopian Model: Surveying for New Paleoanthropological Sites in Tanzania*. Addis Ababa, Ethiopia.
- 2007 Swedish-African Museum Program. Museums Network Management Workshop, Kristianstad, Sweden.
- 2005 Olduvai Landscape Paleoanthropology Symposium. Catalan Institute for Research and Advanced Studies (ICREA), Barcelona, Spain.
- 1999 Olduvai Landscape Paleoanthropology Workshop. Peabody Museum American School for Prehistoric Research, MA.

CONFERENCE ABSTRACTS

- 2017 **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., McHenry, L.J., Schick, K., Toth, N., Deino, A.L. High-resolution reconstruction of hominin paleolandscapes: Linking sedimentary drill cores to outcrops at Olduvai Gorge. East African Association of Paleoanthropology and Paleontology (EAAPP), Addis Ababa.
- 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. 28th International Meeting on Organic Geochemistry, Florence, Italy.
- 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). 28th International Meeting on Organic Geochemistry, Florence, Italy.
- 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).
- 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).
- 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., Blumenschine, R.J. A quantitative reassessment of feeding trace morphology and implications for the earliest archaeological cut marked bones. Paleoanthropology Society.
- 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).
- 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).

- 2016 Muttart, M., Pante, M. & **Njau, J.K.** Quantifying taxonomic distinctions in tooth mark morphology with high-resolution 3-D scanning. Paleanthropology Society.
- 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).
- 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).
- 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).
- 2015 Johnson, C.C., **Njau, J.K.**, Van Damme, D., Schick, K., Toth, N. Paleocology of fossil molluscan bivalves, Bed III, Olduvai Gorge, Tanzania. Geological Society of America (GSA).
- 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).
- 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).
- 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).
- 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).
- 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).
- 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. Paleanthropology Society.
- 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 Wärmländer, 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.
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- 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.
- 2006 Blumenschine, R.J., Masao, F.T., Peters, C.R., Tactikos, J.C., Albert, R.M., Andrews, P., Bamford, M.K., Ebert, J.I., Hay, R.L., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H. Effects of proximity to stone material source on the landscape distribution of Oldowan stone artifacts in the Plio-Pleistocene Olduvai Basin, Tanzania. *Paleoanthropology Society*, A13.
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- 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.
- 2004 **Njau, J.K.** & Blumenschine, R.J. Identifying large vertebrate bones modified by *Crocodylus niloticus* in modern and fossil assemblages. *Society for American Archaeology*.
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the first dense Oldowan hominid traces in the Olduvai Basin following the ca 1.8 Ma catastrophic eruption of Mt. Olmoti. *Paleoanthropology Society*, A44.

CURRENT & PAST RESEARCH PROJECTS AND COLLABORATIONS

- Co-PI: Olduvai Gorge Coring Project (OGCP)
- Co-PI: Olduvai Landscape Paleoanthropology Project (OLAPP)
- Co-PI: Olduvai Geochronology and Archaeology Project (OGAP)
- Co-PI: Olduvai Vertebrate Paleontology Project (OVPP)
- Co-PI: Tanzania International Paleoanthropological Research Project (TIPRP)

PROFESSIONAL SERVICE

- Associate Editor: *Journal of Human Evolution*.
- Manuscript Reviewer: *Yearbook of Physical Anthropology*, *Journal of Human Evolution*, *African Archaeological Review*, *Plos One*, *Palaios*.
- Grant Proposal Reviewer: National Science Foundation, The Leakey Foundation, National Geographic Society, Palaeontological Scientific Trust (PAST).
- Professional Organization Position: Vice President, East African Association for Paleoanthropology and Paleontology (EAAPP).
- Professional Conference Organization: East African Association for Paleoanthropology and Paleontology (EAAPP) Conference, 2009 (Arusha, Tanzania), 2011 (Addis Ababa, Ethiopia), 2013 (Mombasa, Kenya), 2015 (Dar Es Salaam, Tanzania), 2017 (Addis Ababa, Ethiopia).

UNIVERSITY SERVICE

- Member of Graduate Admissions Committee, Department of Geological Sciences; Member, Academic Initiatives Committee, African Studies Program; Judge for Crossroads Conference, Department of Geological Sciences, IU.

COURSES TAUGHT

GEOL-G 104, Evolution of the Earth

GEOL-G277, Earth Climate History (Co-taught with C. Kieu)

GEOL-X377, Geology & Paleoanthropology Field Course, Olduvai Gorge, Tanzania
(Co-taught with J. Brophy)

GEOL-G 490, Evolution of Terrestrial Ecosystems

GEOL-G 561, Paleoecology

GEOL-G 690, Climate Change & Human Evolution in Africa, Adv. Seminar

GEOL-G 690, Vertebrate Taphonomy of East African Rift System, Adv. Seminar

GEOL-G 637: Tectonics of the African Rift Valley (Co-taught with Hamburger)

GEOL-G 690, Olduvai Gorge, Adv. Seminar (Co-taught with S. Brassell & C. Johnson)

PROFESSIONAL SOCIETY MEMBERSHIPS

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