

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 Earth and Atmospheric Sciences, Indiana University.
- 2019-pres President, East African Association for Paleoanthropology and Paleontology (EAAPP)
- 2011-pres. Research Associate, The Stone Age Institute & Center for Research into the Anthropological Foundations of Technology, Indiana.
- 2013-pres. Adjunct Faculty, Department of Anthropology, Indiana University.
- 2012-pres. Affiliate Faculty, African Studies Program, Indiana University, Bloomington.
- 2009-11 Postdoctoral Fellow, Human Evolution Research Center, 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 (Archaeology)

AWARDS & FELLOWSHIPS

- 2022 Trustees Teaching Award, Indiana University
- 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
- 2003-04 Wenner-Gren Foundation, Graduate Fellowship
- 1998-00 Wenner-Gren Foundation, Graduate Scholarship
- 1996-98 Baldwin Fellowship, L.S.B. Leakey Foundation

EXTERNAL GRANTS

- 2022-26 *NASA*, 80NSSC21K1830. An East African Rift fluvio-lacustrine analog for Jezero crater, Mars. Role: Co-PI (collaborative with U Wisconsin-Milwaukee). \$71,962 to IU.

- 2024 *Wenner-Gren Foundation*, Fifty Years After LUCY: The Eastern African Association for Paleoanthropology & Paleontology (EAAPP) conference, Addis Ababa, Ethiopia. Role: PI (\$20,000).
- 2022 *Wenner-Gren Foundation*, Eastern African Association for Paleoanthropology & Paleontology (EAAPP), conference, Arusha, Tanzania. Role: PI (\$20,000).
- 2016-21 *National Science Foundation*, BCS 1623873. Collaborative Research: An Examination of Behavioral and Biological Change in an Extended Chronological Context. Role: PI (collaborative with U Wisconsin-Milwaukee). \$199,548 to IU.
- 2019 *The Leakey Foundation*, Constraining Hominin Record through High Resolution Paleomagnetic Stratigraphy at Olduvai Gorge, Tanzania. Role: Co-PI (\$18,000).
- 2019 *Wenner-Gren Foundation*, Eastern African Association for Paleoanthropology & Paleontology (EAAPP), workshop/conference, Nairobi, Kenya. Role: Co-PI (\$20,000).
- 2017 *Wenner-Gren Foundation*, The Eastern African Association for Paleoanthropology & Paleontology (EAAPP), workshop, Addis Ababa, Ethiopia. Role: PI (\$20,000).
- 2013-14 *The Leakey Foundation*, Olduvai Vertebrate Fossils Research and Curation. Role: PI (\$12,500).
- 2012-16 *European Research Council* (283366). The Origins of the Acheulean in Eastern Africa-ORACEAF. Role: Co-PI (€1.5 M).
- 2012 *Palaeontological Scientific Trust*, Olduvai Landscape Paleoanthropology of Olduvai Gorge, Tanzania. Role: PI (\$11,700).
- 2015 *Wenner-Gren Foundation*, Fifty Years after *Homo habilis* Conference, Dar Es Salaam, Tanzania. Role: PI (\$20,000).
- 2015 *Palaeontological Scientific Trust*, Fifty Years after *Homo habilis* Conference, Dar Es Salaam, Tanzania Role: PI (\$5,700).
- 2010-11 *Palaeontological Scientific Trust (PAST)*, Olduvai Landscape Paleoanthropology of Olduvai Gorge, Role: PI (199,000 ZAR).
- 2011-13 *National Science Foundation* BCS 1025263. Vertebrate Paleontology at Olduvai Gorge, Tanzania. (\$494,738), PI: L.J. Hlusko, Co-I: J.K. Njau.
- 2010-12 *British Academy, International Partnership, UK*. The Early Acheulian in Olduvai Gorge. Role: Co-PI (£29,650).
- 2011-14 *The Leverhulme Trust, UK*. Percussion Stone Technology: Implication for Primate Tool Use and Human Evolution. Role: Co-PI (£124,900).
- 2011 *Wenner-Gren Foundation*. The East African Association for Paleoanthropology and Paleontology Conference, Addis Ababa, Ethiopia. Role: Co-PI (\$15,000).
- 2008 *National Geographic Society*. Surveying for New Paleoanthropological Sites in Tanzania. Role: Co-PI (\$15,000)
- 2008 *Wenner-Gren Foundation*. Fifty Years after *Paranthropus boisei* (*Zinjanthropus*), The East African Association for Paleoanthropology and Paleontology, Conference, Arusha, Tanzania. Role: Co-PI (\$15,000).

- 2007 *Wenner-Gren Foundation (International Collaborative Research Grant)*.
Surveying for New Paleoanthropological Sites in Tanzania through satellite
imagery. Role: Co-PI (\$29,974).

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).

STUDENT RESEARCH GRANTS

Danielle Peltier-Thompson:

- 2022 *The Leakey Foundation*, Graduate Student Research Grant. The drivers of faunal
community dynamics and its implications on hominin occupation during Bed II
times, Olduvai Gorge (\$12,000)
2022 *Provost's Travel Award for Women in Science* (\$700) to attend the Eastern Africa
Association of Paleoanthropology & Paleontology Conference, Tanzania.
2020 *McCormick Science Grant*, IU COAS (\$2500).
2019 *Provost's Travel Award for Women in Science* to attend the Eastern African
Association for Paleoanthropology & Paleontology Conference, Kenya (\$800)
2018 *Provost's Travel Award for Women in Science* (\$500).

Thomas LaBarge:

- 2024 *The Explorers Club* grant; The Isotopic Evolution of the Serengeti Ecosystem
(\$5,000).
2024 *Office of the Vice President for International Affairs (OVPIA)*, Summer Pre-
Dissertation Research Grant for fieldwork at Olduvai Gorge and Serengeti (\$3500).
2023 *John and Meta Dennis Fellowship for Foreign Language Support*, IU College of
Arts and Science (COAS) (\$2500).
2023 *International Association of Geochemistry* Student Research grant (\$2255).
2023 *Charles A. & June R.P. Ross Research Grant*, GSA (\$2652).
2023 GSA, Student Travel Grant (\$150).
2023 *Peter and Susan Dahl Fund*, IU EAS (\$1500).
2022 *The Paleontological Society Student Research Grant* (\$1200).
2022 *John Barratt Patton Fellowship* (\$500).
2022 *Galloway/Perry/Horowitz Fellowship* Grant in AID, IU EAS (\$985)

Samuel Anderson

- 2022 *SEPM, Society for Sedimentary Geology, Graduate Student Research Grant*
(\$1250)

Paul Farrugia

- 2013 *Geological Society of America* (\$2,125)

Robin Green

- 2015 *Provost's Travel Award for Women in Science* (\$1,200).

2013 *The Paleontology Society* (\$800)
2013 *Sigma Xi* (\$1,000)

Sarah Swartz

2014 NSF GRFP

2015 *Provost's Travel Award for Women in Science* (\$900).

PEER-REVIEWD PUBLICATIONS ([GOOGLE SCHOLAR](#))

Underlined author is a student advised or mentored by Njau

66. Torre, I.d.L., Doyon, L., Benito-Calvo, A., Mora, R., Mwakyoma, I., **Njau, J.K.**, Peters, R.F., Theodoropoulou, A., d'Errico, F. (2025) Earliest evidence for systematic bone tool production at 1.5 million years ago. *Nature*, <https://doi.org/10.1038/s41586-025-08652-5>
65. LaBarge, T.W. & **Njau, J.K.** Taxonomic Reappraisal of *Nihilichnus* from Taphonomic Perspectives of Crocodile Feeding Behavior. *Ichnos*. 31, 40-55. <https://doi.org/10.1080/10420940.2024.2353199>
64. Taylor, C.E., Masao, F., **Njau, J.K.**, Songita, A.V., Hlusko, L.J. (2024) OH 89: A newly described ~1.8-million-year-old hominid clavicle from Olduvai Gorge. *Peer Community Journal*, 4, <https://doi.org/10.24072/pcjournal.372>
63. Kodikara, G.R.L., McHenry, L.J., Hynek, B.M., **Njau, J.K.** (2024) Mapping paleolacustrine deposits with a UAV-borne multispectral camera: Implications for future drone mapping on Mars. *The Planetary Science Journal* 5, 265. <https://doi.org/10.3847/PSJ/ad8b29>
62. Kodikara, G.R.L., McHenry, L.J., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Toth, N., Schick, K. (2024) Wide & Deep Learning for predicting relative mineral compositions of sediment cores solely based on XRF scans, a case study from Pleistocene Paleolake Olduvai, Tanzania. *Artificial Intelligence in Geosciences* 5, <https://doi.org/10.1016/j.aiig.2024.100088>.
61. Smedley, R., Fenn, K., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Schick, K., Toth, N. (2024) Age-depth model for uppermost Ndutu Beds constrains Middle Stone Age technology and climate-induced paleoenvironmental changes at Olduvai Gorge (Tanzania). *Journal of Human Evolution* 186, <https://doi.org/10.1016/j.jhevol.2023.103465>
60. Drumheller, S., D'Amore, D., **Njau, J.K.** (2023) Taphonomic Approaches to Bite Mark Analyses in the Fossil Record and Applications to Crocodyliform and Broader Archosaurian Paleobiology. In: *Ruling Reptiles: Crocodylian Biology and Archosaur Paleobiology*. (Eds. Holly N. Woodward & James O. Farlow), Indiana University Press. Bloomington, IN. Pg. 161-185.
59. McHenry, L.J., Stanistreet, I.G., **Njau, J.K.**, Mwankunda, J. (2023) The Geoheritage of Olduvai Gorge, Tanzania: providing geological answers to human origins questions. *Geological Society, London*. 543, <https://doi.org/10.1144/sp543-2022-269>
58. Farrugia, P. & **Njau, J.K.** (2022) Paleoecology and Vertebrate Taphonomy of the DK Site, Olduvai Gorge, Tanzania, In S. Reynolds & R. Bobe (eds.). *African*

- Paleoecology and Human Evolution*. Cambridge University Press. Pg. 394-412, <https://doi.org/10.1017/9781139696470.032>
57. Brassell, S.C., Colcord, D.E., Shilling, A.M., Stanistreet, I.G., Stollhofen, H., Toth, N., Schick, K.D., **Njau, J.K.**, Freeman, K.H. (2022) Alkenones in Pleistocene Upper Bed I (1.803-1.900 Ma) sediments from Paleolake Olduvai, Tanzania. *Organic Geochemistry* 170, <https://doi.org/10.1016/j.orggeochem.2022.104437>
 56. Fujioka, F., Benito-Calvo, A., Mora, R., McHenry, L.J., **Njau, J.K.**, Torre, I.d.L (2022) Direct cosmogenic nuclide isochron burial dating of early Acheulian stone tools at the T69 Complex (FLK West, Olduvai Bed II, Tanzania). *Journal of Human Evolution*. 165, <https://doi.org/10.1016/j.jhevol.2022.103155>
 55. **Njau, J.K.**, Toth, P., Schick, K., Stanistreet, I., McHenry, L.J., Stollhofen, H. (2021) The Olduvai Gorge Coring Project: Drilling high resolution palaeoclimatic and palaeoenvironmental archives to constrain hominin evolution. *Palaeogeog. Palaeoclim. Palaeoecol.* 561, <https://doi.org/10.1016/j.palaeo.2020.110059>
 54. Deino, A.L., Heil, C., King, J., McHenry, L.J., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Mwankunda, J., Schick, K.D., Toth, N. (2021) Chronostratigraphy and Age Modeling of Pleistocene Drill Cores from the Olduvai Basin, Tanzania (Olduvai Gorge Coring Project). *Palaeogeog. Palaeoclim. Palaeoecol.* 571, <https://doi.org/10.1016/j.palaeo.2020.109990>
 53. Ferland, T.M., Colcord, D.E., Shilling, A.M., Brassell, S.C., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Schick, K.D., Toth, N., Freeman, K.H. (2021) Biased preservation of Pleistocene climate variability proxies at Olduvai Gorge, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 562, <https://doi.org/10.1016/j.palaeo.2020.109940>
 52. Stollhofen, H., Stanistreet, I.G., Toth, N., Schick, K.D., Rodríguez-Cintas, A., Albert, R.M., *Farrugia, P.*, **Njau, J.K.**, Pante, M.C., Herrmann, E., Ruck, L., Bamford, M.K., Blumenschine, R.J., Masao, F.T. (2021). Olduvai's Oldest Oldowan. *Journal of Human Evolution*. 150, <https://doi.org/10.1016/j.jhevol.2020.102910>
 51. Torre, I.d.l., Benito-Calvo, A., Martín-Ramos, C., McHenry, L.J., Mora, R., **Njau, J.K.**, Pante, M., Stanistreet, I.G., Stollhofen, H. (2021) New excavations in the MNK Skull site, and the last appearance of the Oldowan and *Homo habilis* at Olduvai Gorge, Tanzania. *Journal of Anthropological Archaeology*, 61. <https://doi.org/10.1016/j.jaa.2020.101255>
 50. Azzarà, B., Boschian, G., Brochu, C.A., Delfino, M., Iurino, D.A., Kimambo, J.S., Manzi, G., Masao, F.T., Menconero, S., **Njau, J.K.**, Cherin, M. (2021) A new cranium of *Crocodylus Anthropophagus* from Olduvai Gorge, Tanzania. *Rivista Italiana di Paleontologia e Stratigrafia*. 127, 275-295, <https://doi.org/10.13130/2039-4942/15771>
 49. **Njau, J.K.**, Herrmann, E.W., Ruck, L., Pante, M., *Farrugia, P.*, Toth, N., Schick, K., Stollhofen, H., Stanistreet, I.G. (2020) Core stratigraphy constrains Bed IV archaeological record at HEB site, Olduvai Gorge, Tanzania. *Palaeogeography, Palaeoclimatology, Palaeoecology* 552, <https://doi.org/10.1016/j.palaeo.2020.109773>
 48. Parisi, L., Stanistreet, I.G., **Njau, J.K.**, Schick, K., Toth, N., Martin Mai, P. (2020) Seismological investigations in the Olduvai basin and Ngorongoro Volcanic

- Highlands (western flank of the North Tanzanian Divergence). *Seismological Research Letters* 91 (6): 3286–3303, <https://doi.org/10.1785/0220200111>
47. McHenry, L.J., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Toth, N., Schick, K. (2020) Tuff fingerprinting and correlations between OGCP cores and outcrops for Pre-Bed I and Bed I/II at Olduvai Gorge, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 548, <https://doi.org/10.1016/j.palaeo.2020.109630>
 46. McHenry, L. J., Kodikara, G.R.L., Stanistreet, I.G., **Njau, J.K.**, Schick, K., Toth, N. (2020) Lake conditions and detrital sources of Paleolake Olduvai, Tanzania, reconstructed using X-ray Diffraction analysis of cores. *Palaeogeog. Palaeoclim. Palaeoecol.* 556, <https://doi.org/10.1016/j.palaeo.2020.109855>
 45. Pante, M., Torre, I.d.I., d’Errico, F., **Njau, J.K.**, Blumenschine, R.J. (2020) Bone tools from Beds II-IV, Olduvai Gorge, Tanzania, and implications for the origins and evolution of bone technology. *Journal of Human Evolution* 148, <https://doi.org/10.1016/j.jhevol.2020.102885>
 44. Rodriguez-Cintas, A., Albert, R.M., Bamford, M.K., Stanistreet, I.G., Stollhofen, H., Stone, J.R., Rivera-Rondon, C., Pronzaro, R., **Njau, J.K.**, Schick, K., Toth, N. (2020) Palaeovegetation changes recorded in Palaeolake Olduvai OGCP Core 2A (2.09–2.12 Ma) Naibor Soit Formation Olduvai Gorge, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 557, <https://doi.org/10.1016/j.palaeo.2020.109928>
 43. Shilling, A.S., Colcord, D.E., Karty, J., Hansen, A., Freeman, K.H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. (2020) Biogeochemical evidence from OGCP Core 2A sediments for environmental changes preceding deposition of Tuff IB and climate transitions in Upper Bed I of the Olduvai Basin. *Palaeogeog. Palaeoclim. Palaeoecol.* 555, <https://doi.org/10.1016/j.palaeo.2020.109824>
 42. Stanistreet, I.G., Stollhofen, H., Deino, A., McHenry, L., Toth, N., Schick, K., **Njau, J.K.** New Olduvai Basin stratigraphy and stratigraphic concepts revealed by OGCP cores into the Palaeolake Olduvai depocentre, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 554, <https://doi.org/10.1016/j.palaeo.2020.109751>
 41. Stanistreet, I.G., Boyle, J.F., Stollhofen, H., Deocampo, D., Deino, A., McHenry, L.J., Toth, N., Schick, K., **Njau, J.K.** (2020) Palaeosalinity and palaeoclimatic geochemical proxies (elements Ti, Mg, Al) vary with Milankovitch cyclicity (1.3 to 2.0 Ma), OGCP cores, Palaeolake Olduvai, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 546, <https://doi.org/10.1016/j.palaeo.2020.109656>
 40. Stanistreet, I.G., Doyle, C., Hughes, T., Rushworth, E.R., Stollhofen, H., Toth, N., Schick, K., **Njau, J.K.** (2020) Changing depocentre environments of Palaeolake Olduvai and carbonates as marker horizons for hiatuses and lake-level extremes. *Palaeogeog. Palaeoclim. Palaeoecol.* 560, <https://doi.org/10.1016/j.palaeo.2020.110032>
 39. Shilling, A.M., Colcord, D. E., Karty, J., Hansen, A., Freeman, K. H., **Njau, J. K.**, Stanistreet, I. G., Stollhofen, H., Schick, K. D., Toth, N., Brassell, S.C. (2019) Biogeochemical evidence for environmental changes of Pleistocene Lake Olduvai during the transitional sequence of OGCP Core 2A that encompasses Tuff 1B (~1.848 Ma). *Palaeogeog. Palaeoclim. Palaeoecol.* 532, <https://doi.org/10.1016/j.palaeo.2019.109267>

38. Colcord, D.E., Shilling, A., Freeman, K. H., **Njau, J.K.**, Stanistreet, I.G., Stollhofen, H., Schick, K., Toth, N., Brassell, S. (2019) Aquatic biomarkers record Pleistocene environmental changes at Paleolake Olduvai, Tanzania. *Palaeogeog. Palaeoclim. Palaeoecol.* 524, 250-261, <https://doi.org/10.1016/j.palaeo.2019.04.001>
37. Lu, K., Hanafy, S., Stanistreet, I.G., **Njau, J.K.**, Schick, K., Toth, N., Stollhofen, H., Schuster, G. (2019). *Palaeogeog. Palaeoclim. Palaeoecol.* 533, <https://doi.org/10.1016/j.palaeo.2019.109246>
36. Merritt, S.R., Pante, M.C., Keevil, T.L., **Njau, J.K.**, Blumenschine, R.J. (2019) Don't cry over spilled ink: missing context prevents replication and creates the Rorschach effect in bone surface modification studies. *Journal of Archaeological Science* 102, 71-79, <https://doi.org/10.1016/j.jas.2018.07.003>
35. Alemseged, Z., **Njau, J.K.**, Pobiner, B., Ndiema, E. (2019) Connecting palaeoscientists in eastern Africa and the wider world. *Nature Ecology & Evolution* 3, 330-331, [DOI](https://doi.org/10.1038/s41562-019-0688-8)
34. 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. *Palaeogeog. Palaeoclim. Palaeoecol.* 511, 550-557, <https://doi.org/10.1016/j.palaeo.2018.09.021>
33. Torre, I.d.L., McHenry, L.J., **Njau, J.K.** (2018) From the Oldowan to the Acheulean at Olduvai Gorge, Tanzania. *Journal Human Evolution (Special Issue)* 120, 1-421, <https://doi.org/10.1016/j.jhevol.2018.03.012>
32. 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, <https://doi.org/10.1016/j.jhevol.2017.11.011>
31. Pante, M.C., **Njau, J.K.**, Hensley-Marschand, B., Keevil, T.L., Martín-Ramos, C., Peters, R.F., Torre, I.d.L (2018) The carnivorous feeding behavior of early Homo at HWK EE, Bed II, Olduvai Gorge, Tanzania. *Journal of Human Evolution* 120, 215-235, <https://doi.org/10.1016/j.jhevol.2017.06.005>
30. 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, <https://doi.org/10.1016/j.palaeo.2018.01.023>
29. Prassack, K., Pante, M.C., **Njau, J.K.** & de la Torre, I. (2018) The Paleocology of Fossil Birds from Middle Bed II, at Olduvai Gorge, Tanzania. *Journal of Human Evolution* 120, 32-47, <https://doi.org/10.1016/j.jhevol.2017.11.003>
28. Torre, I.d.L., 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. *Journal of Human Evolution* 120, 140-202, <https://doi.org/10.1016/j.jhevol.2017.07.018>
27. 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, <https://doi.org/10.1016/j.jhevol.2017.08.011>
26. 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) Paleoecology of the Serengeti during the Oldowan-Acheulean transition at Olduvai Gorge, Tanzania: The mammal and fish evidence. *Journal of Human Evolution* 120, 48-75, <https://doi.org/10.1016/j.jhevol.2017.10.009>
 25. 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, <https://doi.org/10.1016/j.jhevol.2018.01.002>
 24. 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, <https://doi.org/10.1016/j.revpalbo.2018.09.010>
 23. 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, <https://doi.org/10.1016/j.jhevol.2016.10.002>
 22. **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](https://doi.org/10.1016/j.jhevol.2016.10.002)
 21. Johnson, C.C., **Njau, J.K.**, Van Damme, D., Schick, K., Toth, N. (2016) Paleoecologic significance of freshwater bivalves, Bed III, Olduvai Gorge, Tanzania. *Palaios* 31, 319-326, <https://doi.org/10.2110/palo.2016.001>
 20. 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, <https://doi.org/10.1016/j.yqres.2015.10.005>
 19. 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, <https://doi.org/10.1016/j.jas.2016.08.002>
 18. 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, <https://doi.org/10.1016/j.jhevol.2015.09.011>
 17. Cherin, M., Iurino, D.A., **Njau, J.K.**, Masao, F.T. (2017) New material of hyaenids (Mammalia, Carnivora) from Olduvai Gorge, Tanzania (Early Pleistocene). *Bollettino della Società Paleontologica Italiana*, 55 (1), 1-9.

16. 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, <https://doi.org/10.1002/ajpa.22765>
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, <https://doi.org/10.1126/science.1216221>
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, <https://doi.org/10.1016/j.jhevol.2011.05.008>
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, <https://doi.org/10.1016/j.jhevol.2011.10.001>
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, <https://doi.org/10.1016/j.jhevol.2011.04.006>
10. Renne, P. R., Mulcahy, S.R., Cassata, W.S., Morgan, L.E., Kelley, S.P., Hlusko, L.J., **Njau, J.K.** (2010) Retention of inherited Ar by alkali feldspar xenocrysts in a magma: Kinetic constraints from Ba zoning profiles. *Geochimica et Cosmochimica Acta* 93, 129–142, <https://doi.org/10.1016/j.gca.2012.06.029>
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, <https://doi.org/10.1016/j.jhevol.2011.05.003>
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, <https://doi.org/10.1179/174963111X13110803260930>
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, <https://doi.org/10.1016/j.jhevol.2010.07.014>
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, <https://doi.org/10.1371/journal.pone.0009333>
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, 66-70, [DOI: 10.1126/science.1175823](https://doi.org/10.1126/science.1175823)
4. **Njau, J.K.**, Alemseged, Z., Mbua, E., Pobiner, B. (2009) Fifty Years After Discovery of *Zinjanthropus* Conference. *Evolutionary Anthropology* 18, 235-236, <https://doi.org/10.1002/evan.20241>
 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. <https://doi.org/10.1016/j.jhevol.2005.08.008>.
 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. (2003) Late Pliocene Homo and Hominid Land Use from Western Olduvai Gorge, Tanzania. *Science* 299, 1217-1221, <https://doi.org/10.1126/science.1075374>

OTHER PUBLICATIONS

- 2014 **Njau, J.K.** Geoarchaeology summer field school at Olduvai Gorge, Tanzania. *Newsletter of the Archaeological Geology Division of the Geological Society of America* (GSA).
- 2013 **Njau, J.K.** (2013) Olduvai Gorge Archaeological Site. C. Smith (ed.), *Encyclopedia of Global Archaeology*. [DOI](https://doi.org/10.1016/j.ogap.2013.08.001)
- 2012 Torre, I.d.L., McHenry, L.J., **Njau, J.K.**, Pante, M. The Origins of the Acheulean at Olduvai Gorge. *Archaeology International* 15, 89-98.

RECENT RESEARCH PROJECTS LEADERSHIP

- Currently, I am co-directing the Olduvai Gorge Coring Project ([OGCP](https://www.ogcp.org/)). This project seeks to understand the role of Earth's dynamics to hominin evolution through scientific drilling and multiproxy analyses of core record.
- Olduvai Geochronology and Archaeology Project ([OGAP](https://www.ogap.org/))
- Olduvai Vertebrate Paleontology Project ([OVPP](https://www.ovpp.org/))
- Olduvai Gorge Landscape Paleoanthropology Project ([OLAPP](https://www.olapp.org/)).
- Tanzania International Paleoanthropological Research Project (TIPRP 2006-2009). Systematic survey of the Tanzanian sector of Eastern Africa Rift System for paleontological and archaeological resources.

SELECTED PRESENTATIONS/ INVITED TALKS/ SESSIONS/ PANELS

- 2025 World Archaeological Congress (WAC-10), Darwin, Australia. Session conveners, **Njau, J.K.**, Westaway, M., Bol, B. (June)
- 2025 Jay Hall Lecture, University of Queensland, Brisbane, Australia. The Taung (*Australopithecus africanus*) Centenary Symposium. Guest Speaker (July)

- 2023 Spanish National Research Council (CSIC), Madrid, Spain. Challenges to scientific cooperation based on equality and reciprocity between the European Union, Latin America, the Caribbean, and Africa. A high-level workshop organized by Science Europe and CSIC. Panelist. (December)
- 2023 Dept. de Arqueología y Procesos Sociales, Instituto de Historia, CSIC, Madrid, Spain. Biogeographic and cultural adaptations of early humans during the first intercontinental dispersals workshop. Funded by European Research Council (ERC) (April).
- 2022 State University of Tbilisi, Republic of Georgia. Human Origins Research at Olduvai Gorge: Advances in Modern Paleoanthropology (Workshop organized by the Stone Age Institute and National Museum of Georgia (September).
- 2019 Geology Department, University of Dar Es Salaam, Tanzania. Olduvai Gorge: New Investigations on Paleoclimatic and Paleoenvironmental Contexts of Human Evolution through Scientific Drilling (March).
- 2019 US Embassy, Dar Es Salaam, Tanzania. Olduvai Gorge the cradle of humankind: revealing two million years of history (March).
- 2018 Geological Society of America (GSA) Symposium on Human Evolution and Environmental History in Africa: 25 Years of Transformative Research Symposium. Indianapolis, IN.
- 2018 Stone Age Institute, Indiana. Olduvai Gorge in 21st Century: Research Advances and Infrastructure Development. What Drives Human Cognitive Evolution? Symposium,
- 2017 The Greater Serengeti Ecosystem Symposium. Evolution of the Greater Serengeti: Geological, Paleontological and Paleoanthropological perspectives. Seronera, Serengeti funded by the Greater Serengeti Conservation Society.
- 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.
- 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.
- 2009 University of California Museum of Paleontology. A Landscape Approach for Understanding Hominid Behaviors and Environments at Olduvai.

- 2009 American Museum of Natural History, New York. Darwin's Legacy: Consortium in Evolutionary Primatology Conference (NYCEP). Was FLK Plio-Pleistocene Site a “Hominid Home Base”?.
- 2007 Naracoorte Caves National Park, South, Australia. The Human Story: Four million years of evolution in northern Tanzania.

CONFERENCE ABSTRACTS

Underlined author is a student advised or mentored by Njau

- 2025 **Njau, J.K.**, Westaway, M., Bol, B. The Centenary of Taung: Celebrating and reassessing Dart's discovery and decolonizing paleoanthropology. World Archaeological Congress (WAC-10), Darwin, Australia (22-28 June).
- 2025 McHenry, L.J., Kodikara, G.R.L., **Njau, J.K.**, Stanistreet, I., Stollhofen, H., Schick, K., Toth, N. Applying a Wide and Deep Learning Model to Core-Scan Xrf Element Data to Predict Paleolake Mineral Assemblages, Case Study Olduvai Gorge, Tanzania. *Lunar and Planetary Science Conference*. TX.
- 2024 **Njau, J.K.**, Schick, K., Toth, N., Stollhofen, H., Stanistreet, I. New deep coring at Paleolake Olduvai depocenter. Eastern African Association for Palaeoanthropology and Palaeontology (EAAPP), Addis Ababa, Ethiopia.
- 2024 LaBarge, T.W. & **Njau, J.K.** The neoichnology of *Nihilichnus* in the Serengeti. Society of Vertebrate Paleontology (SVP), Minneapolis, MN.
- 2024 LaBarge, T.W. & **Njau, J.K.** The Isotopic Ecology of a Serengeti Insectivore and Applications to Hominin Paleoecology. American Association of Biological Anthropology (AABA), Los Angeles, CA.
- 2024 McHenry, L.J., Stanistreet, I.G., Stollhofen, H., **Njau, J.K.**, Toth, N., Schick, K. A persistent Late Pleistocene saline-alkaline lake at Olduvai, Tanzania, as reconstructed by the sedimentology and mineralogy of cores. GSA, Anaheim, CA.
- 2024 Kodikara, G.R.L., McHenry, L.J., Hynek, B.M., **Njau, J.K.** Mapping Paleolacustrine Deposits with a UAV-Borne Multispectral Camera: Implications for Future Drone Mapping on Mars. *Lunar and Planetary Science* conference.
- 2024 Kodikara, G.R.L., McHenry, L.J., Hynek, B.M., **Njau, J.K.** Spectra mapping of mineral patterns at Lake Natron, Tanzania using Hyperspectral Remote Sensing and Machine Learning methods: Implications for Mars. Geological Society of America (GSA), Anaheim, CA.
- 2023 Peltier, D.M., **Njau, J.K.** Faunal distribution changes in Bed II times, Olduvai Gorge, Tanzania. Society of Vertebrate Paleontology (SVP).
- 2023 Truss, K., McHenry, L., Stanistreet, I., Stollhofen, H., **Njau, J.K.**, Schick, K., Toth, N. Authigenic minerals in altered volcanic units from East African paleolake cores: a proxy for paleoenvironment. Geological Society of America (GSA), Pittsburgh, PA.
- 2022 **Njau, J.K.**, Toth, N., Schick, Stanistreet, I., Stollhofen, H. New stratigraphy extends Quaternary record at the Olduvai basin, Tanzania. Eastern African Association of Palaeoanthropology and Palaeontology (EAAPP), Arusha, Tanzania.

- 2022 *Peltier, D.M. & Njau, J.K.* Tectonic influence on Pleistocene vertebrate diversity at Olduvai Gorge, Tanzania. Eastern African Association of Palaeoanthropology and Palaeontology (EAAPP), Arusha, Tanzania.
- 2022 *Peltier, D.M. & Njau, J.K.* Biostratigraphic framework of Olduvai Gorge, Bed II, Tanzania. Geological Society of America (GSA), Denver, CO.
- 2022 *LaBarge, T.W. & Njau, J.K.* Taphonomy and Ichnology of Nile Crocodile Feeding Behavior. Society of Vertebrate Paleontology (SVP), Toronto, Canada
- 2022 *LaBarge, T.W. & Njau, J.K.* Identifying Diagnostic Crocodile Feeding Traces in Archaeological Sites. Eastern African Association of Palaeoanthropology and Palaeontology (EAAPP), Arusha, Tanzania
- 2022 *LaBarge, T.W. & Njau, J.K.* Taxonomic Reappraisal of the Ichnogenus *Nihilichnus*. Geological Society of America (GSA), Denver, CO.
- 2022 *LaBarge, T.W. & Njau, J.K.* Technical Considerations for Observing, Documenting and Interpreting Feeding Traces in the Fossil Record. Paleoanthropology Society, Denver, CO.
- 2022 *Peltier, D.M. & Njau, J.K.* Tectonics and vertebrate diversity patterns at Olduvai gorge, Tanzania. Paleoanthropology Society, Denver, CO.
- 2022 *Anderson, S. & Njau, J.K.* Mapping and visualizing stratigraphy in 3D space with UAV and Sfm photogrammetry at Olduvai Gorge, Tanzania. Geological Society of America (GSA), Denver, CO.
- 2022 Pante, M., **Njau, J.K.**, Schick, K., Toth, N., Herrmann, E., Stanistreet, I., Stollhofen, H. Preliminary results of renewed excavations at the HEB site, Olduvai Gorge, Tanzania. Eastern African Association of Palaeoanthropology and Palaeontology (EAAPP), Arusha, Tanzania.
- 2022 Pante, M., de la Torre, I., d'Errico, F., **Njau, J.K.**, Blumenschine, R.J. Bone tools from Beds II-IV, Olduvai Gorge, Tanzania, and implications for the origins and evolution of bone technology. Paleoanthropology Society, Denver, CO.
- 2021 *LaBarge, T.W.* and **Njau, J.K.** Technical considerations for observing, documenting and interpreting bite marks in fossil record. Geological Society of America (GSA), Portland, OR.
- 2021 *Peltier-Thompson, D.M.* and **Njau, J.K.** Paleoecological response to environmental variability in Olduvai Gorge, Tanzania. Geological Society of America (GSA), Portland, OR.
- 2021 McHenry, L.J., Deino, A., **Njau, J.K.**, et al. Cores record Pleistocene Ngorongoro volcanic history at Olduvai Gorge, Tanzania. Geological Society of America (GSA), Portland, OR.
- 2020 McHenry, L.J., Stollhofen, H., Kodikara, G.L., **Njau, J.K.**, Schick, K., Toth, N., Stanistreet, I.G., Deino, A. A core-based environmental and depositional history for Pleistocene Paleolake Olduvai, Tanzania, based on mineral assemblage. GSA, virtual.
- 2019 **Njau, J.K.**, Schick, K., Toth, N., Schick, K., Stanistreet, I., McHenry, L.J., Stollhofen, H., Lu, K., Hanafy, S., Schuster, G. Deep coring and seismic experiments extend chronological and environmental contexts of hominin evolution at Olduvai Basin. East African Association of Paleoanthropologists and Paleontologists (EAAPP), Nairobi, Kenya.

- 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. *What Drives 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 Njau, J.K. 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)
- 2017 **Njau, J.K.** Beyond Olduvai: contemporary records of early Homo in Eurasia and China. Shaanxi Normal University, Xian, China (Stone Age Institute workshop funded by John Templeton Foundation).
- 2016 **Njau, J.K.** Early hominins at Olduvai Gorge, Tanzania and their paleoenvironmental context. Homo erectus 100+25 International Conference. Tbilisi, Republic of Georgia.
- 2016 **Njau, J.K.** What Drives Human Cognitive Evolution? The origin of early Homo in Eurasia, at Dmanisi, Republic of Georgia (Stone Age Institute workshop funded by John Templeton Foundation).
- 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
- 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. 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., Paresso, 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.
- 2011 de la Torre, I., McHenry, L.J., Pante, M., **Njau, J.K.** New archaeological research on the origins of the Acheulean at Olduvai Gorge. Paleoanthropology Society.
- 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.
- 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.
- 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.
- 2004 **Njau, J.K.** & Blumenschine, R.J. Identifying large vertebrate bones modified by *Crocodylus niloticus* in modern and fossil assemblages. *Society for American Archaeology*.
- 2004 Blumenschine, R.J., Peters, C.R., Masao, F.T., **Njau, J.K.**, Stanistreet, I.G., Bamford, M. Albert, R.M., Ebert, J.I., and Andrews, P. The puzzling character of the first dense Oldowan hominid traces in the Olduvai Basin following the ca 1.8 Ma catastrophic eruption of Mt. Olmoti. *Paleoanthropology Society*, A44.

PROFESSIONAL SERVICE

Associate Editor

- *Frontiers in Environmental Archaeology in Landscape and Geological Processes* (2022-pres)
- *Journal of Human Evolution* (2009-2012)

Guest Editor

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

Manuscript Reviewer

American J Physical Anthropology (Yearbook of Physical Anthropology), African Archaeological Review, Plos One, Palaios, Journal of Human Evolution.

Grant Proposal Reviewer

National Geographic Society, The Leakey Foundation, NSF, Dutch Research Council (NOW), NSF GRFP, Palaeontological Scientific Trust (PAST), American Association of Biological Anthropology's Pollitzer Graduate Travel Award

Professional Organizations Position

- President, East African Association for Paleoanthropology and Paleontology (EAAPP) (2019-present).
- Vice President, East African Association for Paleoanthropology and Paleontology (EAAPP) (2015-2019).
- Member, Scientific Advisory Committee, Palaeontological Scientific Trust (PAST), South African non-profit based organization (2011-2014).

Professional Conference Organization

- 10th World Archaeological Congress, Session Convener, Darwin, Australia (2025)

- The East African Association for Paleoanthropology and Paleontology biennial conferences; Arusha, Tanzania (2009, 2022), Addis Ababa, Ethiopia (2011, 2017, 2024), Dar Es Salaam, Tanzania (2015), Nairobi, Kenya (2019).
- Olduvai Gorge Drilling for Scientific Research Workshop, Arusha, Tanzania (Co-organizer with N. Toth, K. Schick 2023).
- Olduvai Gorge Drilling for Scientific Research Concept Workshop, Stone Age Institute, Indiana (Co-organizer with N. Toth, K. Schick, 2014).

STUDENTS SUPERVISED AT IU

Ph.D. Degrees, Chair

Danielle Peltier-Thompson (current)

Title: Tectonic and paleoecological influence on the onset of Plio-Pleistocene hominin migration at Olduvai Basin, Tanzania.

Thomas W. LaBarge (current)

Title: Nitrogen and Zinc isotopic model of dietary niche and taphonomy of African Pleistocene megafauna.

Bristol Brabson (current)

Title: Modeling Traces of Hominin Activities on Paleolandscapes Using an Artificial Neural Network Approach, Olduvai Gorge, Tanzania.

Paul Farrugia (Graduated, 2024)

Title: Crocodylian craniodental ecomorphology and ecological niche modeling: A new approach for reconstructing hominin paleoecology in the East African Rift System.

MS. Degrees, Chair

Matthew Koelbel (Graduated, 2024)

Title: A morphological study on the evolution of the hominin dental arcade shape, tooth dimensions, and early *Homo* phylogeny.

Sam Anderson (Graduated, 2023)

Title: Mapping Stratigraphy and Erosive Surfaces using UAV and Photogrammetry at Olduvai Gorge, Tanzania (Graduated, 2023).

Thomas LaBarge (Graduated, 2022)

Title: Taphonomy and Ichnology of Nile Crocodile Feeding Behavior.

Baraka Mbise (Graduated, 2021)

Title: Covid-19 pandemic to Tanzania tourism industry and the country's response to socioeconomic crisis.

Silvia Ascari (Graduated, 2016)

Title: Isotopic analyses of fossil bones and teeth of herbivores and crocodiles from Bed I and Bed II of the Olduvai Gorge, Tanzania.

Sarah Swartz (Graduated, 2016)

Title: Quaternary faunal diversity and turnover at Olduvai Gorge.

David Grossnickle (Graduated, 2013)

Undergraduate, Advisor

- Avery Matthew (Research on evolution of Carboniferous shark nurseries, SP25)
- Londyn Riley (Research on taphonomy of large African vertebrates, FA 2024)
- Kennedy Bright (Lab experience: fossils digitalization, FA23 & SP24)
- Alexandra Jacobs (Honors Thesis in Anthropology, 2020)
- Riley Edie (Research on taxonomic identification of Pliocene fossils, BS in Geology, 2020)
- Alexis Jarson (Honors Thesis, Anthropology, 2016).
- Crystal Weststad: (STARS Scholar, 2015).
- Mallory Schreier (Honors thesis, BS in Geology & Anthropology, 2013).
- Gabriel Cole (Lab experience: curation & documentation of osteology & fossil specimens, FA24)
- Jackson Dumas (Lab experience: Pliocene horse fossils inventory and taphonomic analysis (FA22)
- Susan Mulligan (Lab experience, BS in Geology, 2016).
- Ryan Yohler (Field experience, BS Geology 2016).
- Mackenzie Kirchner-Smith (Lab experience, fossil extraction, 2013).

PhD & MS Committee Membership

- Charles Salcido (PhD in Geology, 2024)
- Alex Zimmerman (PhD in Geology, 2020)
- Devon Colcord (PhD in Geology, 2019)
- Spencer Hellert (PhD in Geology, 2019)
- John Kearney (PhD in Geology, 2019)
- Andrea Shilling (PhD in Geology, 2019)
- Jenny Riley (PhD in Anthropology, 2017)
- Michael Smith (PhD in Geology, 2017)
- Emily Thorpe (MS in Geology, 2020)
- Ann Kort (MS in Geology, 2029)
- Wesley Vermillion (MS in Geology, 2016)
- Anupama Chanrdoth (degree sought, PhD in Geology)
- Samantha Hartzell (degree sought, PhD in Geology)
- Quentin Smith Jr (degree sought, PhD in Geology)
- Allison Bormet (degree sought, PhD in Geology)
- Lorena Jevnikar (degree sought, MS in Geology)
- Trenton Meir (degree sought, MS in Geology)
- Allison Nelson (degree sought, MS in Geology)

COURSES TAUGHT

- Evolution of the Earth (EAS-E104)
- Missing Links and Human Origins (COLL-X 101)
- Earth Climate and History (EAS-E227)
- Paleoanthropology & Geology of Olduvai Gorge (EAS-X377/ G549)

- Paleoecology (G561)
- Evolution of Terrestrial Ecosystems, Advanced Seminar (G 490/690)
- Landscape Paleoecology, Advanced Seminar (G490/ G690)
- Vertebrate Taphonomy of East African Rift System, Advanced Seminar (G690)
- Olduvai Gorge, Advanced Seminar(G690)

DEPARTMENT AND UNIVERSITY SERVICE

- 2023-pres. At Large Member - Executive Committee, African Studies Program, IUB.
 2020-pres. Faculty Liaison, Advance College Project (ACP), Office of the Vice Provost for Undergraduate Education, IUB.
 2020-pres Chair, Oversight Committee, IU Geology Field Station, Montana, EAS.
 2023 Member, Policy Committee, EAS
 2021-23 Member, Undergraduate Committee, EAS.
 2020 Member, College Academic Fairness Committee (AFC), Undergraduate Academic Affairs, COAS, IUB.
 2019 Member, Graduate Committee, EAS.
 2017-19 Member, Undergraduate Committee, EAS.
 2013-18 Presentations to the Advisory Board, Dept. of Geological Sciences.
 2016-17 Task Force Committee member, African Studies Program Academic Initiatives Committee
 2015-16 Member, Graduate Admissions Committee, Dept. 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.

PUBLIC SERVICE

Education and outreach activities

- 2020 Guest speaker; 4th & 5th Grade, University Elementary School, Bloomington. *How prehistoric people interacted with environments in the past.*
 2019 Development of new hominid monuments, Olduvai Gorge Museum, Tanzania
 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. Natural History Museum Arusha, Tanzania <http://olduvai-paleo.org/k-12-teacher-workshops/>
 2014 Comprehensive Olduvai Database Initiative <http://olduvai-paleo.org/>.
 2013 Understanding evolution: “CSI: Olduvai Gorge, the work of Jackson Njau” http://evolution.berkeley.edu/evolibrary/article/0_0_0/njau_01
 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.
 2011 Google Luna-Geo Tech Talk; Satellite imagery & archaeological discoveries in Tanzania. Google headquarters, Mountain View, CA.

- 2011 African Curators Forum workshop, Addis Ababa, Ethiopia (funded by Palaeontological Scientific Trust-PAST).
- 2010 Research presentation to the Board of Trustees, The Leakey Foundation, CA.
- 2010 Ocean View Elementary School, CA; Dinosaurs, fossils and stone artifacts.
- 2009 Lecture on human origins in Africa. Albany Rotary Club, CA.

PROFESSIONAL SOCIETIES

Paleoanthropology Society; The Eastern Africa Association for Paleoanthropology and Paleontology (EAAPP); American Association of Biological Anthropologists (AABA); Society of Vertebrate Paleontology (SVP); Geological Society of America (GSA).