

John Kearney

Research:

My research is titled “Modern methods of stratigraphic analysis as applied to Bed III and Bed IV, Olduvai Gorge, Tanzania.” I have been working with Dr. Claudia Johnson since 2013 and completed my M.S. in 2016. I continued my research from my Master’s and am now working on my Ph.D.

During my time here at Indiana University, I have submitted two poster abstracts to the Geological Society of America Annual Meeting, two poster abstracts to our student-run Crossroads Geology Conference (unpublished), and was a coauthor on one poster abstract for the North American Paleontological Convention (see full references below). I have applied for and received several grants to fund my research, including the IU Graduate and Professional Student Government Research Award (2015), Geological Society of America Graduate Student Research Grants (2016, 2017), Stone Age Institute Graduate Fellowship (2016), and IU Department of Earth and Atmospheric Sciences Summer Research Grant (2014, 2015, 2016).

Publications

Kearney, J.C., Johnson, C.C., Njau, J.K., Toth, N., Schick, K., 2015. *Reconstructing paleoenvironments to determine ecological evolutionary drivers for Homo erectus during time of Beds III and IV, Olduvai Gorge, Tanzania*. Geological Society of America Abstracts with Programs, Vol. 47, No. 7, p.367.

Kearney, J.C., Johnson, C.C., Njau, J.K., 2016. *Using conglomerates and paleosols to make paleoenvironmental reconstructions in the Side Gorge of Olduvai Gorge, Tanzania*. Geological Society of America Abstracts with Programs, Vol. 48, No. 7.

Johnson, C. C., Njau, J., Kauffman, C.E., Kauffman, E., Toth, N., Schick, K., and **Kearney, J.C.**, 2014. *Bivalve mollusk assemblage of Bed III, Olduvai Gorge, Tanzania*. 10th North American Paleontology Convention, Abstract Book, p. 35.

Teaching:

I have served as an Associate Instructor for three different courses, including GEOL-G114: Dinosaurs and their Relatives, GEOL-G341: Natural History of Coral Reefs, and COLL-C105: Beauty: Evolution of Science. My goal as an educator is to explain concepts in ways that I wish were explained to me when I was first introduced to the material. I construct presentations using the effective assertion-evidence method and facilitate learning transfer by equating unfamiliar concepts with ones with which most people are familiar. Dr. Johnson and I have had many thoughtful discussions about pedagogy and have worked together to create engaging lectures and exercises for students from many different majors and academic levels.

Service:

I maintain membership in several academic societies, such as Sigma Gamma Epsilon (SGE) Rho Chapter, American Association of Petroleum Geologists (AAPG) student chapter at IU, Geological Society of America (GSA), and Society for Sedimentary Geology (SEPM). I was the Secretary/Treasurer of SGE Rho Chapter from 2013-2014, the Vice President of the AAPG student chapter at IU from 2014-2016, and was an advisory board member for the Crossroads Geology Conference from 2013-2016.