

## Rachel A. Kuzma

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### Education

2024	Ph.D.	Washington University in St. Louis, Anthropology
2019	A.M.	Washington University in St. Louis, Anthropology
2016	B.A.	University of Minnesota, Anthropology, <i>summa cum laude</i>

### Academic Appointments

2017-2024	University Fellow	Department of Anthropology, Washington University in St. Louis
2021-2024	Collections Manager	Evolutionary Morphology and Paleoanthropology Lab, Department of Anthropology, Washington University in St. Louis

### External Grants

2021	Doctoral Dissertation Research: Paleontological and population genetics approaches for reconstructing hominin evolutionary history	National Science Foundation	\$28,998
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### Internal Grants and Fellowships

2022	Conference Travel Funding	Washington University in St. Louis	\$500
2020	Conference Travel Funding	Washington University in St. Louis	\$500
2019	Conference Travel Funding	Washington University in St. Louis	\$200
2018	Graduate School Summer Fieldwork Travel Funding	Washington University in St. Louis	\$761
2018	Graduate School Summer Funding	Washington University in St. Louis	\$2,000
2012-2016	Freda Jordan Scholarship	University of Minnesota	\$16,000

2015	Undergraduate Research Opportunities Program Award	University of Minnesota	\$1,700
2014	Undergraduate Research and Travel Grant	University of Minnesota	\$375

## Honors and Awards

Inducted 2016	Phi Beta Kappa Society
Inducted 2015	Mortar Board National Honor Society
2014-2016	University of Minnesota Honors Program

## Research

Recent research on modern human cranial morphology has shown that there is a correlation between morphological and genetic distances among diverse populations of modern humans. This finding implies that the population-level relationships between human groups can be inferred from skeletal morphology. My dissertation research leverages these findings with the aim of using craniodental traits to infer the pattern of relationships between paleodemes of *Homo erectus*, thereby elucidating the intricacies of the human lineage. Understanding *H. erectus* diversity may reveal details of its population dynamics, which may in turn inform our understanding of the evolutionary history of a species that plays a central role in the human lineage.

## Publications

Kuzma, Rachel A., David S. Strait, and Karen L. Baab. Morphological distance and paleodemes: Implications for *Homo erectus* population dynamics. (*In Prep*)

Kuzma, Rachel A., David S. Strait, and Karen L. Baab, 2022. Morphological distance among *Homo erectus* paleodemes: Implications for population dynamics. *American Journal of Biological Anthropology*, vol. 177, pp. 102-103.

Kuzma, Rachel A., 2020. Correlation of genetic distance to morphological distance in dental metrics and non-metrics. *American Journal of Physical Anthropology*. 171, 152-152.

## Graduate Advisors

David S. Strait	Dept. of Anthropology	Washington University in St. Louis
Richard Smith	Dept. of Anthropology	Washington University in St. Louis
Terrence Ritzman	Dept. of Anatomy	Midwestern University

## Teaching Experience

Instructor of Record		Washington University in St. Louis	
Spring 2021		Introduction to Human Evolution	
Assistant to the Instructor		Washington University in St. Louis	
Fall 2020		Principles of Human Anatomy and Development	David Strait
Spring 2020		Humans and Animals	Fiona Marshall
Fall 2019		The Human Body: Anatomy, Embryology, and Imaging (Washington University School of Medicine)	Kari Allen & Amy Bauernfeind
Spring 2019		Health, Healing, and Ethics: Introduction to Medical Anthropology	Carolyn Sargent
Fall 2018		Introduction to Human Evolution	David Strait
Teaching Assistant		Washington University in St. Louis	
Fall 2020		The Pandemic: Science & Society	Krista Milich
Teaching Assistant		University of Minnesota	
Summer 2016		Rusinga Island Field Training Program	Kieran McNulty

## Field Experience

2018	Field Assistant	Arma Veirana, Liguria, Italy	
2016	Research Assistant	Rusinga Island, Kenya	
2015	Field Assistant	Swede Hollow Archaeology Project, Saint Paul, Minnesota	
2014	Student	Dmanisi Paleoanthropology Field School, Dmanisi, Georgia	

## Supplemental Training

2021	Geometric Morphometrics Workshop	Physalia
2021	Geometric Morphometrics in R Workshop	Transmitting Science
2020	Dental Non-Metric Workshop	Universiteit Leiden
2014	3D Scanning Training: Geomagic Design X 64 and NextEngine	University of Minnesota

## Internships

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2016	Micro-CT Scanning Internship	University of Minnesota Anthropology Labs
2015	Collections Management Internship	University of Minnesota Anthropology Labs

## Professional Development

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2022	Creating a Teaching Portfolio	Washington University in St. Louis
2021	Jump-Start to Writing a Teaching Philosophy Statement Workshop	Washington University in St. Louis
2021	Writing a Teaching Philosophy Statement Workshop	Washington University in St. Louis
2020-Present	Professional Development in Teaching Program	Washington University in St. Louis
2020	Exploring Practices in the Classroom Learning Community	Washington University in St. Louis
2020	Implicit Bias Training	Washington University in St. Louis
2020	Pedagogy 102	Washington University in St. Louis
2018	Pedagogy 101	Washington University in St. Louis

## Professional Associations

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American Association of Biological Anthropologists  
Paleoanthropology Society

## Students Mentored

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Evelyn Glass  
Maggie Teng  
Sheridan Thomas

## University and Departmental Service

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2020-2021	Decolonizing the Syllabus Subcommittee—Anti-Racist Action Committee	Department of Anthropology, Washington University in St. Louis
2020-2021	Biological Anthropology Representative: Graduate Student Committee of Three	Department of Anthropology, Washington University in St. Louis

2019-2020	Department Peer Mentor	Department of Anthropology, Washington University in St. Louis
2018-2019	Graduate Student Coordinator: Biological Anthropology Journal Club	Department of Anthropology, Washington University in St. Louis

### **Service to Field**

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2018-2019	Student Volunteer	American Association of Physical Anthropologists Annual Meetings
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### **Other Service**

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2021-Present	Senior Editor and Contributor	Simple Beginnings Blog
2021-Present	Scientist	Skype A Scientist
2020-Present	Program Director	Biological Anthropology Outreach Network for Evolutionary Studies (B.O.N.E.S.)
2015	Collections and Archives Volunteer	Blue Earth County Historical Society, Mankato, Minnesota