

ELENA HINZ

Biological Sciences Building, Durham, NC 27708 • (561) 212-6222 • elena.hinz@duke.edu

EDUCATION

Duke University	Durham, NC
Ph.D. Student, Evolutionary Anthropology	2022-Present
Advisor: Herman Pontzer	
University of Washington	Seattle, WA
B.A., Medical Anthropology and Global Health	2014-2018
B.A., Environmental Studies	
<i>Cum Laude</i>	

RESEARCH EXPERIENCE

Koobi Fora Field School	Kenya
<i>Daasanach Health and Life History Project</i>	2023
Advisors: Pontzer, H., Rosinger, A.Y.	
University of Washington	Las Piedras, Peru
<i>Environmental Studies Capstone: Water Quality Assessment</i>	2016-2018
Advisors: McDonald, P.S., Meschke, S., Zwicker, S.	
Universidad San Francisco de Quito	Galapagos Islands, Ecuador
<i>Ecology, Evolution, and Conservation: Research track</i>	2015

AWARDS, FELLOWSHIPS, GRANTS

NSF Graduate Research Fellowship Program (GRFP): \$147,000	2023
Summer Research Fellowship for First Year Ph.D. Students: \$8,415	2023
Duke Graduate School Conference Travel Award: \$750	2023

TEACHING AND MENTORSHIP EXPERIENCE

Duke University	Durham, NC
<i>Teaching Assistant</i>	
EVANTH 330: Human Evolutionary Physiology, lecture	2022
EVANTH 101: Intro to Evolutionary Anthropology, lecture and lab	2023
Koobi Fora Field School	Kenya
<i>Mentor: Undergraduate Student Projects</i>	
Sherwood, A. Effects of Heat Index, Age, and Body Surface Area on Body Temperature in a Hot, Arid Environment.	2023

PUBLICATIONS

Parker, C., Sathir, S., Swanson, Z., McGrosky, A., **Hinz, E.**, Urlacher, S., Pontzer, H. Metabolic Response to Influenza Vaccination. *PLOS ONE*. *In review*

PRESENTATIONS

92nd Annual Meeting of the American Association of Biological Anthropologists Reno, NV
Energetically Expensive Tissues Reliably Predict Basal Metabolic Rate Across 2023
Mammalian Orders. **Hinz, E.**, McGrosky, A., Pontzer, H.

Undergraduate Research Symposium, Poster Presentation Seattle, WA
Contaminants, Comparisons, and Consequences: The 3 C's of a Water Quality Assessment. 2023
Hinz, E., McDonald, P.S., Meschke, S., Zwicker, S.

PUBLISHED ABSTRACTS

92nd Annual Meeting of the American Association of Biological Anthropologists Reno, NV
Hinz, E., McGrosky, A. and Pontzer, H. Primate Basal Metabolic Rates Diverge from 2023
Values Predicted from Organ Size.

ACADEMIC SERVICE

Duke University Durham, NC
Graduate and Professional Student Government (GPSG), Climate Crisis Committee 2022-2023
Evolutionary Anthropology Department Representative

Graduate and Professional Student Government (GPSG), General Assembly 2022-2023
Evolutionary Anthropology Department Representative

PROFESSIONAL AFFILIATIONS

American Association of Biological Anthropologists (AABA)
Human Biology Association (HBA)

PROFESSIONAL EXPERIENCE

LabCorp at University of Tennessee Medical Center Knoxville, TN
Specialty Lab Assistant in Histology 2021-2022

American Medical Response, Inc. Kansas City, MO
Emergency Medical Technician 2019-2021

SKILLS AND CERTIFICATIONS

Languages

English-fluent

German-native

Spanish-native

Computing

R programming language/RStudio

ArcGIS

Laboratory/Field

Leica Biosystems Cryostat

Histopathology Tissue Processor

ABB Liquid Water Isotope Analyzer

COSMED Quark RMR

COSMED K5

Doubly labeled water methodology

Human osteological ID/assessment

Human cadaver anatomy

Dried blood spot collection

Anthropometrics

Urinalysis: refractometry, test strips

EMS

American Heart Association BLS/CPR

NREMT-Basic

Missouri state EMT license