

# ELENA HINZ

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## EDUCATION

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**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  
*Cum Laude*

## RESEARCH EXPERIENCE

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**Koobi Fora Field School** Kenya  
*Daasanach Health and Life History Project* 2023  
Advisors: Pontzer, H., Rosinger, A.Y.

**University of Washington** Las Piedras, Peru  
*Environmental Studies Capstone: Water Quality Assessment* 2016-2018  
Advisors: McDonald, P.S., Meschke, S., Zwicker, S.

**Universidad San Francisco de Quito** Galapagos Islands, Ecuador  
*Ecology, Evolution, and Conservation: Research track* 2015

## AWARDS, FELLOWSHIPS, GRANTS

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NSF Graduate Research Fellowship Program (GRFP): \$147,000 2023  
Duke Population Research Institute, Center for Population Health and Aging Pilot Award:  
NIA Center Grant P30 AG034424: \$33,500 2024-2026  
Summer Research Fellowship for First Year Ph.D. Students: \$8,415 2023  
Summer Research Fellowship for Second Year Ph.D. Students: \$9,650 2024  
Duke Graduate School Conference Travel Award: \$750 2023  
Duke Graduate School Conference Travel Award: \$750 2024

## TEACHING AND MENTORSHIP EXPERIENCE

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**Duke University** Durham, NC  
*Teaching Assistant*  
EVANTH 333: Human Body, cadaveric dissection lab 2024  
EVANTH 330: Human Evolutionary Physiology, lecture 2022-2023  
EVANTH 101: Intro to Evolutionary Anthropology, lecture and lab 2023

*Mentor: Duke Student Athletics Program*

Academic mentor for undergraduate athletes 2023-2024

*Mentor: Duke Undergraduate Honors Thesis Project* 2023

Zhang, K. Birthweights in the Daasanach Community and the Effects of Parity (in progress).

### **Koobi Fora Field School**

Kenya

*Mentor: Undergraduate Student Projects*

Sherwood, A. Effects of Heat Index, Age, and Body Surface Area on Body Temperature in a Hot, Arid Environment. 2023

*Instructor*

Human Biology: anthropometrics methods 2023

### **PUBLICATIONS**

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Parker, C., Sadhir, S., Swanson, Z., McGrosky, A., **Hinz, E.**, Urlacher, S., Pontzer, H. Metabolic Response to Influenza Vaccination. *PLOS ONE*. 2023

### **PRESENTATIONS**

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*49<sup>th</sup> Annual Meeting of the Human Biology Association- Flash-talk* Los Angeles, CA  
Environmental heat stress more strongly impacts children versus adults among Daasanach semi-nomadic pastoralists in Northern Kenya. **Hinz, E.**, et al. 2024

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

*Undergraduate Research Symposium- Poster presentation* Seattle, WA  
Contaminants, Comparisons, and Consequences: The 3 C's of a Water Quality Assessment. 2018 **Hinz, E.**, McDonald, P.S., Meschke, S., Zwicker, S.

### **PUBLISHED ABSTRACTS**

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*49<sup>th</sup> Annual Meeting of the Human Biology Association* 2024  
**Hinz, E.**, Sherwood, A., McGrosky, A., Jacobson, H., Wambua, F., Baker, L., Mbeng, T-C., Ford, L., Sadhir, S., Nzunza, R., Ndiema, E., Braun, DR., Rosinger, AY., Pontzer, H.  
Environmental heat stress more strongly impacts children versus adults among Daasanach semi-nomadic pastoralists in northern Kenya.

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

## ACADEMIC SERVICE

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**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

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

## PROFESSIONAL EXPERIENCE

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**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

**Hoja Nueva** Las Piedras, Peru  
*Ecological Research Intern* 2017-2018

## SKILLS AND CERTIFICATIONS

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### Languages

English-fluent  
German & Spanish-native

### Computing

R programming language/RStudio

### Laboratory/Field

ELISA  
ABB Liquid Water Isotope Analyzer  
COSMED Quark RMR  
COSMED K5  
Doubly labeled water methodology  
Human osteological ID/assessment  
Human cadaveric anatomy  
Dried blood spot collection  
Anthropometrics  
Urinalysis: refractometry, test strips

### EMS

American Heart Association BLS/CPR  
NREMT-Basic  
Missouri state EMT license