

**Srishti Sadhir** | Curriculum Vitae  
Evolutionary Anthropology | Duke University  
Biological Sciences Building, Durham, NC 27708 | srishti.sadhir@duke.edu

## **Education**

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- 2020-Present      **Ph.D. Candidate**, Evolutionary Anthropology  
Duke University, Durham, NC  
Committee: Herman Pontzer (chair), Susan C. Alberts, Amy Goldberg,  
Charles L. Nunn, Sarah M. Wheeler
- 2016-2020      **B.A.**, Ecology and Evolutionary Biology, Anthropology  
with Honors and University Scholar distinction, *summa cum laude*  
University of Connecticut, Storrs, CT  
Thesis: *An Archaeological Study of Human Hunting Adaptations at Wadi  
Madamagh, Jordan during the Last Glacial Maximum*  
Committee: Natalie D. Munro (chair), Richard Sosis, Susan Z. Herrick

## **Additional Training**

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- 2023-Present      **Duke Scholars in Molecular Medicine Program:**  
*Endocrinology, Metabolism, and Cardiovascular Disease track*  
Duke Clinical & Translational Science Institute  
Duke University, Durham, NC
- 2021-Present      **Graduate Certificate**, Duke Global Health Institute  
Duke University, Durham, NC

## **Awards, Fellowships, and Grants**

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- 2023-Present      Triangle Center for Evolutionary Medicine Research Award; \$7,488
- 2023-Present      NSF Doctoral Dissertation Research Improvement Grant; \$27,286
- 2023-Present      The Leakey Foundation Research Grant; \$13,022
- 2021-Present      NSF Graduate Research Fellowship Program (GRFP); \$138,000
- 2021-Present      Duke Lemur Center Director's Fund; \$8,000
- 2023      Duke Graduate School Conference Travel Award; \$750
- 2022      Evolutionary Anthropology Graduate Student Mentorship Award; \$1,000
- 2022      Summer Research Fellowships for Second-Year Ph.D. Students; \$8,250
- 2022      Evolutionary Anthropology Conference Travel Award; \$750
- 2021-2022      Evolutionary Anthropology Graduate Student Mentorship Award; \$1,000
- 2021      Summer Research Fellowships for First-Year Ph.D. Students; \$6,500
- 2020-2021      Evolutionary Anthropology Graduate Student Mentorship Award; \$1,000
- 2020      Honorable Mention, NSF Graduate Research Fellowship Program (GRFP)

2020	Natural History Research Experiences (NHRE) Travel Award, Smithsonian Institution; \$900
2020	Office of Undergraduate Research Travel Award, University of Connecticut; \$387
2019	NSF Research Experiences for Undergraduates (REU) Recipient, funded through the Smithsonian Women's Committee (SWC); \$6,350
2018	Undergraduate Student Poster Award: Fields of Conflict Conference; \$300

## **Publications**

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<i>In prep</i>	<b>Sadhir, S.</b> , McGrosky, A., Ford, L.B., Nzunza, R., Wemanya, S.N., Mashaka, H., Kinyanjui, R., Ndiema, E., Braun, D.R., Rosinger, A.Y., Pontzer, H. Physical activity and pregnancy norms among Daasanach women in Northern Kenya.
<i>In prep</i>	<b>Sadhir, S.</b> and Pontzer, H. Survey of exercise behavior and pregnancy outcomes in highly active women.
<i>In review</i>	Parker, C.H., <b>Sadhir, S.</b> , Swanson, Z., McGrosky, A., Hinz, E., Urlacher, S., and Pontzer, H. Metabolic response to influenza vaccination. <i>PLOS ONE</i> .
2023	<b>Sadhir, S.</b> and Pontzer, H. Impact of energy availability and physical activity on variation in fertility across human populations. <i>Journal of Physiological Anthropology</i> .
2022	Klasson, C., <b>Sadhir, S.</b> , and Pontzer, H. Daily physical activity is negatively associated with thyroid hormone and immune system markers among men and women in the NHANES dataset. <i>PLOS ONE</i> .
2021	<b>Sadhir, S.</b> , Eller, A.R., Canington, S.L., and Sholts, S.B. Investigating factors of metabolic bone disease in baboons ( <i>Papio</i> spp.) using museum collections. <i>American Journal of Biological Anthropology</i> .
2020	<b>Sadhir, S.</b> , al-Nahar, M., Olszewski, D.I., Petrillo, A., and Munro, N.D. Human hunting adaptations at Wadi Madamagh, Jordan at the peak of the Last Glacial Maximum. <i>Journal of Archaeological Science: Reports</i> .

## **Conference Presentations**

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2023	<b>Sadhir, S.</b> , and McGrosky, A. Methods in metabolism and health. <i>TriCEM: Evolutionary Medicine Summer Institute</i> , Raleigh, NC [lecture].
2023	<b>Sadhir, S.</b> , McGrosky, A., Ford, L.B., Nzunza, R., Wemanya, S.N., Mashaka, H., Kinyanjui, R., Ndiema, E., Braun, D.R., Rosinger, A.Y., Pontzer, H. Physical activity and pregnancy norms among Daasanach women in Northern Kenya. <i>48th Annual Meeting of the Human Biology Association</i> , Reno, NV [podium].

- 2022 **Sadhir, S.** and Pontzer, H. Survey of exercise behavior and pregnancy outcomes in highly active women. *91<sup>st</sup> Annual Meeting of the American Association of Biological Anthropologists* (p.158), Denver, CO [poster].
- 2021 **Sadhir, S.** and Pontzer, H. Interbirth interval and age at first reproduction in populations with disparate energy status. *90<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists* (p.91), virtual format [poster and panel discussion].
- 2020 **Sadhir, S.**, Eller, A.R., Canington, S.L., and Sholts, S.B. Investigating the relationship between skin color and vitamin D deficiency in baboons (*Papio*). *89<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists*, p.244, virtual format [poster].
- 2020 **Sadhir, S.** and Munro, N.D. An Archaeological Study of Human Hunting Adaptations at Wadi Madamagh, Jordan during the Last Glacial Maximum. *Frontiers in Undergraduate Research Exhibition*, Storrs, CT [poster].
- 2019 **Sadhir, S.**, Eller, A.R., Canington, S.L. and Sholts, S.B. Skin Pigmentation Variability in Baboons: Implications for Vitamin D Deficiency. *Northeastern Evolutionary Primatology Meeting*, Amherst, MA [poster]. *Fall Frontiers in Undergraduate Research Exhibition*, Storrs, CT [poster]. *NHRE Research Symposium*, National Museum of Natural History, Smithsonian Institution, Washington, DC [poster].
- 2018, 2019 **Sadhir, S.** and McBride, K.A. Musket Ball Analysis of the 17th Century Pequot War in Southern New England. *Frontiers in Undergraduate Research Exhibition*, Storrs, CT [poster]. *Fields of Conflict Conference*, Mashantucket, CT [poster].

## **Research Projects and Field Experience**

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- 2022-Present “Marathon Moms”: Maternal Metabolic Limits During Human Pregnancy; Evolutionary Energetics and Ecology Lab, Durham, NC—Advisor: H. Pontzer
- 2022-Present Daasanach Health & Life History Project; Koobi Fora Field School, Kenya—Advisors: H. Pontzer & A.Y. Rosinger
- 2021-Present Reproductive Neuroendocrinology & Energetics of Ruffed & Ring-Tailed Lemurs; Duke Lemur Center, Durham, NC—PIs: **S. Sadhir** & A. Schrock
- 2021-Present Survey of Exercise Behavior and Pregnancy Outcomes in Highly Active Women; Evolutionary Energetics and Ecology Lab, Durham, NC—Advisor: H. Pontzer
- 2020-2023 Energy Availability and Fertility Variation; Evolutionary Energetics and Ecology Lab, Durham, NC—Advisor: H. Pontzer
- 2019-2020 Baboon (*Papio*) Phenotypic Diversity and Health Survey;

Collections studied: Smithsonian National Museum of Natural History (Washington, DC), Yale Peabody Museum of Natural History (New Haven, CT), Harvard Museum of Comparative Zoology (Cambridge, MA)—Mentors: S.B. Sholts, A.R. Eller

- 2017-2020      Wadi Madamagh Faunal Assemblage Analysis; Zooarchaeology Lab, Storrs, CT—Advisor: N.D. Munro
- 2019            NSF REU: Natural History Research Experiences (NHRE), Environmental Mismatches in Primates and Humans: Anthropogenic Settings and Impacts Survey (EMPHASIS); Washington, DC—Mentors: S.B. Sholts, A.R. Eller
- 2018            Field School Pozzeveri in Medieval Archaeology and Bioarchaeology, Badia Pozzeveri, Italy—Director: A. Fornaciari
- 2018            Pequot War Musket Ball Assemblage Analysis; North American Archaeology Lab, University of Connecticut, Storrs, CT—Advisor: K.A. McBride

## **Teaching Experience**

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- Summer 2022      Koobi Fora Field School  
Human Biology: Life History Theory & Pregnancy Energetics [lecture]  
Human Biology: Methods [demonstrations & trainings]  
*Instructor*
- Spring 2022      EVANTH 330: Human Evolutionary Physiology [lecture], Duke University  
*Teaching Assistant*
- Fall 2021          EVANTH 334L/736L: Human Osteology [lecture and laboratory], Duke University  
*Teaching Assistant, Lab Instructor*
- Fall 2020          Topic: Human Biological Research and Eugenics [lecture and discussion]  
Graduate Seminar: *Ethics in Evolutionary Anthropology*, Duke University

## **Supervised Undergraduate Research**

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Evolutionary Anthropology Graduate Student Mentorship, Durham, NC  
*Mentor & Committee Member* – Undergraduate Honors Theses

- 2022-Present      Tomechko, K. Physical activity, lifestyle, and health outcomes during pregnancy (*in progress*).
- 2021-2022          Parker, C. (2022). Metabolic response to influenza vaccination.
- 2020-2021          Klasson, C. (2021). Testing the constrained total energy expenditure hypothesis via NHANES data.

Illeret Health Clinic (IHC) Data Management, Durham, NC  
*Supervisor*

2022-2023 Little, I (*in progress*).

2022-2023 Zhang, K. (*in progress*).

Koobi Fora Field School, Kenya  
*Mentor – Student Projects*

2022 Khayota, T. (2022). Water quality & health in the Daasanach community.

2022 Bossert, M. (2022). Water sharing behavior in the Daasanach community.

### **Mentorship and Public Outreach**

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2020-Present Demystifying Graduate School (Panel; reoccurring), Duke University, Durham, NC  
*Panelist & Session Leader*

2023 North Carolina Science and Engineering Fair (Region 3B), North Carolina School of Science and Mathematics, Durham, NC  
*Judge*

2022 Lemurpalooza, Duke Lemur Center, Durham, NC  
*Research Volunteer*

2018-2020 The Major Experience (TME), University of Connecticut, Storrs, CT  
*Anthropology Mentor*

2016-2020 Native American Cultural Programs (NACP), University of Connecticut, Storrs, CT  
*Program Assistant, Planning Committee Member*

2019 Yes! Teen Internship Program, National Museum of Natural History, Smithsonian Institution, Washington, DC  
*Undergraduate Mentor*

2019 The Expert is in – Biological Anthropology Outreach, National Museum of Natural History, Smithsonian Institution, Washington, DC  
*Biological Anthropology Intern*

2017-2018 Seacoast Science Center (SSC), Rye, NH  
*Naturalist, Environmental Education Intern*

### **Professional Service**

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2021-Present *Associate Editor*, Journal of Emerging Investigators (JEI)

2021-Present *Reviewer*, Journal of Emerging Investigators (JEI)

2021-Present *Laboratory Safety Coordinator & Chemical Hygiene Officer*, Evolutionary Energetics and Ecology Lab, Duke University, Durham, NC

2022-2023	<i>Evolutionary Anthropology Representative</i> , Graduate & Professional Student Government (GPSG) Climate Crisis Committee, Duke University, Durham, NC
2022-2023	<i>Evolutionary Anthropology Representative</i> , Graduate & Professional Student Government (GPSG) General Assembly, Duke University, Durham, NC
2022	<i>Student Volunteer</i> , 91 <sup>st</sup> Annual Meeting of the American Association of Biological Anthropologists, Denver, CO
2022	<i>Job Talk Organizer</i> , Job Candidate Searches (Lecturer, Assistant Research Professors), Department of Evolutionary Anthropology, Duke University, Durham, NC
2021-2022	<i>Graduate &amp; Professional Student Government (GPSG) Representative</i> , Library Council (Provost's University Committee), Duke University, Durham, NC
2021-2022	<i>Seminar Organizer</i> , Evolutionary Anthropology Talk Series (EATS), Department of Evolutionary Anthropology, Duke University, Durham, NC
2021	<i>Meeting Organizer</i> , Statistics Reading Group [weekly meetings], Department of Evolutionary Anthropology, Duke University, Durham, NC

## **Professional Development**

2022	Grant Writing [course], Duke University
2021	Biostatistics and Epidemiology [course], Duke Global Health Institute
2021	Accelerate to Industry: Job Search Strategies [workshop series], NC State University
2021	Science and Research Communication [course], Duke University
2020	Ethics in Evolutionary Anthropology [course], Duke University

## **Professional Affiliations**

Human Biology Association (HBA)  
American Association of Biological Anthropologists (AABA)  
Association for Women in Science (AWIS)  
Duke University Women in Science and Engineering (WiSE)  
Phi Beta Kappa Honor Society  
Alpha Lambda Delta Honor Society

## **Skills and Qualifications**

<b>Languages</b>	English, fluent; Hindi, conversational; Punjabi, basic; Spanish, basic
<b>Computing</b>	R Programming Language, intermediate; ArcGIS 10.6, intermediate

**Laboratory**

ABB Liquid Water Isotope Analyzer  
Sable Systems International Promethion Metabolic Screening  
COSMED Quark RMR  
COSMED K5  
Doubly labeled water methodology and analysis  
Wearable technology use & data management  
Vertebrate osteological identification & assessment

**Field**

Survey design and implementation  
Blood pressure monitoring  
Anthropometric assessment  
Bioelectrical impedance analysis  
Finger prick blood draw: dried blood spot & point-of-care testing