

Department of Anthropology
Pennsylvania State University
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University Park, PA 16802
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Research Interests

Biological anthropology, bioarchaeology, paleodemography, human skeletal anatomy, sexual variation and health, puberty and adolescence, oral microbiome, bio-social determinates of health

Current Position

2023-present SBE Postdoctoral Research Fellow, National Science Foundation. Sponsored by Laura S. Weyrich, Pennsylvania State University

Education

- 2023 Ph.D., Anthropology, University of South Carolina. Major Advisor: Sharon N. DeWitte. Thesis: *Sex Differentials in Frailty in Medieval Ireland*
- 2018 M.A., Anthropology, George Mason University. Major Advisors: Haagen D. Klaus & Daniel H. Temple. Thesis: *Differential Survival and Systemic Stress in the Ancestral Pueblo Southwest*
- 2014 B.A., Archaeology, The College of Wooster. Major Advisors: Olivia Navarro-Farr & P. Nick Kardulias. Thesis: *An Evaluation of Archaeology as a Tool of Social Action in the Post Conflict Societies of Spain and the Former Yugoslavia*

Grants & Fellowships

- 2023-2025 National Science Foundation SBE Postdoctoral Research Fellowship: *Anthropological Investigation of Demographic Variability in the Ancient Oral Microbiome* (#2313721, \$160,000)
- 2022-2023 Russell J. & Dorothy S. Bilinski Dissertation Writing Fellowship, College of Arts & Sciences, University of South Carolina (\$40,000)
- 2021-2022 National Science Foundation Doctoral Dissertation Improvement Grant: *Demographic Patterns of Human Frailty*. Co-PI with PI Sharon N. DeWitte (#2120102, \$25,194)
- 2020-2021 University of South Carolina SPARC Graduate Research Grant: *Sex Differentials in Frailty in Medieval Ireland*. Co-PI with PI Sharon N. DeWitte (\$4,745)

Publications

Ham AC. In prep. The effect of sex on mortality risks within medieval Ireland. To be submitted to *American Journal of Biological Anthropology*.

Ham AC, DeWitte SN. 2022. Pubertal timing as a measure of health and well-being and a bridge between past and present. *Bioarchaeology International*. <https://doi.org/10.5744/bi.2022.0012>

Ham AC, Temple DH, Klaus HD, Hunt DR. 2021. Evaluating life history trade-offs through the presence of linear enamel hypoplasia at Pueblo Bonito and Hawikku: A biocultural study of early life stress and survival in the Ancestral Pueblo Southwest. *American Journal of Human Biology* 33(2):e23506 <https://doi.org/10.1002/ajhb.23506> (Top cited articles published between 1/1/21-12/15/22)

Honors & Awards

2023	Conference Travel Grant, Graduate School, University of South Carolina (\$500)
2019, 2023	Graduate Travel Award, Department of Anthropology, University of South Carolina (\$250)
2018-2021	Graduate TA Stipend Enhancement Award, College of Arts & Sciences, University of South Carolina (\$4,000 per year)
2020	Ann Kingsolver Research & Professionalization Skills Award, Department of Anthropology, University of South Carolina (\$1,000)
2018	Outstanding Graduate Student Award, Department of Sociology & Anthropology, George Mason University (\$100)
2014	Henry J. Copeland Fund for Independent Study Award, The College of Wooster (\$500)
2014	Departmental Honors, Department of Archaeology, The College of Wooster

Teaching Experience

Graduate

Gross Anatomy (in-person). Role: Teaching Fellow, High Point University - Summer 2023

Undergraduate

Introduction to Biological Anthropology (in-person/online). Role: Lab Instructor, University of South Carolina - Fall 2018, Spring 2019, Fall 2019, Spring 2020, Spring 2021

Forensics of Sherlock Holmes (in-person). Role: Lab Instructor, University of South Carolina - Fall 2020, Fall 2021

Introduction to Cultural Anthropology (in-person). Role: Graduate Teaching Assistant, George Mason University - Fall 2016, Spring 2017

Professional Development & Educational Experience

Summer 2023	Anatomy Teaching Fellowship, Department of Physical Therapy, High Point University
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Summer 2019, 2020	Graduate Research Assistant, National Science Foundation (<i>Diet, Migration, and Health in the Context of Medieval Mortality Crises</i> , #1722491), University of South Carolina. PI: Sharon N. DeWitte
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2015, 2017-2018	Archaeological Field & Lab Technician, Department of Preservation & Archaeology, George Washington's Mount Vernon, Alexandria, Virginia
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- 2017-2018 Physical Anthropology Intern, National Museum of Natural History, Smithsonian Institution. Supervisor: David R. Hunt
- 2016-2017 Archaeological Field Technician, Commonwealth Heritage Group, Alexandria, Virginia
- 2016-2017 Graduate Student Member, Lambayeque Valley Biohistory Project, Chiclayo, Peru. Supervisor: Haagen D. Klaus
- July 2013 Field School Participant, ArchaeoTek Bioarchaeological Field School, Transylvania, Romania. Program Instructors: Jonathan Bethard and Anna Osterholtz

Conference Presentations & Published Abstracts

Ham AC. 2023, August. Puberty and adolescence in medieval Ireland. Poster presented at the Annual Meeting of the European Association of Archaeologists Belfast, Ireland.

Ham AC. 2023, April. Sex differentials in morbidity and mortality in medieval Ireland. Paper presented at the Annual Meeting of the American Association of Biological Anthropologists, Reno, NV.

Ham AC. 2023, April. Pubertal timing in medieval Ireland. Poster presented at the Annual Meeting of the Human Biology Association, Reno, NV.

DeWitte SN, **Ham AC.** 2021, November. Pubertal timing as a measure of health and a bridge between past and present. Paper presented at Emerging Adolescence: A Virtual Workshop, Sponsored by the Canadian Association of Physical Anthropologists.

Ham AC, DeWitte SN. 2020, April. Sex differentials in mortality in the Bedlam burial ground. Poster presented at the Annual Meeting of the American Association of Physical Anthropologists, Los Angeles, CA.

Ham AC, Temple DH, Klaus HD, Hunt DR. 2019, April. Survivorship and periosteal lesion activity at Pueblo Bonito and Hawikku: Examining the biological impact of contact in the Ancestral Pueblo Southwest. Poster presented at the Annual Meeting of the Society for American Archaeology, Albuquerque, NM.

Ham AC, Temple DH, Klaus HD, Hunt DR. 2019, March. Evaluating life history trade-offs through the presence of linear enamel hypoplasia at Pueblo Bonito and Hawikku: A biocultural study of early life stress and survival in the Ancestral Pueblo Southwest. Poster presented at the Annual Meeting of the American Association of Physical Anthropologists, Cleveland, OH.

Ham AC, Klaus HD, Thomas J, Ball S, Huley H, Brown G, Young J, Bracamonte Levano E, Alva WA. 2017, April. Social Status, skeletal biology, and the Lords of Sipán: Bioarchaeological perspectives on the Moche elite, North Coast Peru. Poster presented at the Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA.

Ham AC, Navarro-Farr O. 2014, April. Confronting archaeology's political nature: An evaluation of archaeology as a tool of social action in the post conflict societies of Spain and the former Yugoslavia. Paper presented at the Annual Meeting of the Central States Anthropological Society, Normal, IL.

Ham AC, Navarro-Farr O. 2014, April. Confronting archaeology's political nature: An evaluation of

archaeology as a tool of social action in the post conflict societies of Spain and the former Yugoslavia. Paper presented at The College of Wooster Senior Research Symposium, Wooster, OH.

Invited Lectures & Presentations

- 2022, 2023 *Sexual Variation, Puberty, and Health Outcomes, Past & Present.* Guest lecture to Introduction to Biological Anthropology students (undergraduate). Honors College, University of South Carolina
- 2017 *A Brief Introduction to Bioarchaeology: Inferring Health in Past Populations.* Guest lecture to Sociology of Health, Illness, and Disability students (undergraduate). Department of Sociology & Anthropology, George Mason University

Mentorship & Departmental Service

- 2023-present ARISE Planning Committee Member, Department of Anthropology, Pennsylvania State University
- 2021-2023 Graduate Fellowship Peer Mentor, Office of National Fellowships & Scholar Program, University of South Carolina
- 2018-2023 Mentor Match Peer Mentor, Anthropology Graduate Organization for Research and Action, Department of Anthropology, University of South Carolina
- 2021 GTA Course Evaluation Committee Member, Department of Anthropology, University of South Carolina
- 2019-2020 Co-President, Anthropology Graduate Organization on Research and Ethics, Department of Anthropology, University of South Carolina

Community Service & Engagement

- 2021 Invited Panelist, Archaeology Month Panel at Claflin University (virtual), Sponsored by Humanities Collaborative Grant, University of South Carolina
- 2016-2017 Volunteer Archaeological Field Technician (100+ hours), Department of Preservation & Archaeology, George Washington's Mount Vernon, Alexandria, VA

Professional Memberships

American Association of Anthropologists, American Association of Biological Anthropologists, European Association of Archaeologists, Society for American Archaeology

Honors Society Memberships

Lambda Alpha, National Collegiate Honors Society for Anthropology