

Amy S. Anderson

Curriculum Vitae

Birthrites Research Group
 Department of Human Behavior, Ecology and Culture
 Deutscher Platz 6
 04103 Leipzig, Germany
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EDUCATION

- 2022 Ph.D. Anthropology, University of California, Santa Barbara
 Dissertation: *Skeletal Indicators of Early Life Stress: Insights Into Cribra Orbitalia and Porotic Hyperostosis in a Living Subsistence Population*
 Advisers: Michael Gurven and Aaron Blackwell
- 2018 M.A. Anthropology, University of California, Santa Barbara
 Thesis: *Old friends and friendly fire: Pregnancy, hookworm infection, and anemia among tropical horticulturalists*
 Adviser: Aaron Blackwell
- 2012 B.A. Classics and Archaeology, *summa cum laude*. University of North Carolina at Chapel Hill
 Thesis: *Treponemal infection in its biosocial context at Garbacon Creek*
 Adviser: Dale Hutchinson

PUBLICATIONS

2023. **AS Anderson**. Observer agreement on the morphology of porous cranial lesions: Results from a workshop at the 2019 Meeting of the Paleopathology Association. *International Journal of Paleopathology*.
2023. WC McCool, **AS Anderson**, AJ Baide, T Gonzalez, BF Coddig. Evaluating the relationships between climate change, population pressure, economic intensification, and childhood stress in the Prehispanic Nasca region of Peru. *Quaternary International*. DOI: 10.1016/j.quaint.2023.06.003
2023. LO O'Donnell, JE Buikstra, EC Hill, **AS Anderson**, MJ O'Donnell. Skeletal manifestations of disease experience: Length of illness and porous cranial lesion formation in a contemporary juvenile mortality sample. *American Journal of Biological Anthropology*. DOI: 10.1002/ajhb.23896
2022. LO O'Donnell, EC Hill, **AS Anderson**, HJH Edgar. A biological approach to adult sex differences in skeletal indicators of childhood stress. *American Journal of Biological Anthropology*. DOI: 10.1002/ajpa.24424
2021. **AS Anderson**, ML Sutherland, LO O'Donnell, EC Hill, DR Hunt, AD Blackwell, MD Gurven. Do computed tomography findings agree with traditional osteological examination? The case of porous cranial lesions. *International Journal of Paleopathology*. DOI: 10.1016/j.ijpp.2021.04.008

2021. W McCool, **AS Anderson**, D Kennett. Navigating the Osteological Paradox using a Multimethod Life History Approach: A case study from Late Intermediate period (950 - 1450 C.E.) Nasca, Peru. *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.24279

2020. C Hové, BC Trumble, **AS Anderson**, J Stieglitz, H Kaplan, MD Gurven, AD Blackwell. Immune function during pregnancy varies between ecologically distinct populations. *Evolution, Medicine, & Public Health*. DOI: 10.1093/emph/eoaa022

2020. LO O'Donnell, EC Hill, **AS Anderson**, HJH Edgar. Cribra orbitalia and porotic hyperostosis are associated with respiratory infections in a contemporary mortality sample from New Mexico. *American Journal of Physical Anthropology*. DOI:10.1002/ajpa.24131

2019 **AS Anderson**, B Trumble, C Hove, TS Kraft, H Kaplan, M Gurven, AD Blackwell. Old friends and friendly fire: Pregnancy, hookworm infection, and anemia among tropical horticulturalists. *American Journal of Human Biology*. DOI:10.1002/ajhb.23337

SELECTED GRANTS AND AWARDS

2024	International Journal of Paleopathology Early Career Conference Award
2022	UCSB Outstanding Teaching Assistant Award, nominated
2019-20	Graduate Opportunity Fellowship, UCSB Graduate Division
2020-21	National Science Foundation Doctoral Dissertation Research Improvement Grant: "The Skeletal Biology of Porous Cranial Lesions" (BCS-1945794, \$18,780)
2019	UCSB Integrated Anthropological Sciences Graduate Student Summer Research Block Grant (\$1,650)
2018	UCSB Integrated Anthropological Sciences Graduate Student Summer Research Block Grant (\$1,970)
2017	UCSB Integrated Anthropological Sciences Graduate Student Research and Writing Grant (\$2,000)
2017	Human Biology Association Student Member Travel Award (\$500)
2016	ISEMPH travel fellowship (\$750)
2016	William S. Pollitzer Student Travel Award for travel to AAPA conference (\$500)
2011	Phi Beta Kappa
2011	Sarah Steele Danhoff Undergraduate Research Award (\$500)
2011	Stacia Byers Wells grant - Astypalaia bioarchaeological field school (\$5,000)
2010	Stacia Byers Wells grant - archaeological work on Crete (\$5,800)
2009	Eunice and Luther Nims grant for CUNY Summer Latin/Greek Institute (\$4,000)
2008-12	Cameron Morrison Academic Scholarship, UNC-Chapel Hill

ACADEMIC SERVICE

Institutional Service Roles:

2024-27 Treasurer, Paleopathology Association

2021-22 Anthropology Graduate Mentor
 2020-21 Paleopathology Student Association Senior Co-chair
 2019-2021 Anthropology Graduate Student Association Faculty Representative
 2019-20 Paleopathology Student Association Junior Co-chair
 2018-19 Anthropology Graduate Student Association Co-president
 2019 Co-organized campus workshop on safe fieldwork practices
 2017-18 Osteologist, UCSB Repository for Archaeological and Ethnographic Collections
 2016-17 Graduate Student Association Representative, UCSB Anthropology Graduate Student Association
 2016-17 Anthropology Colloquium Chair
 2016-17 UCSB Campus Representative, California Workshop on Evolutionary Social Science
 2015-16; Anthropology Colloquium Co-chair
 2017-18

Peer Review:

2023 American Journal of Biological Anthropology
 International Journal of Paleopathology
 2022 International Journal of Osteoarchaeology
 American Journal of Human Biology
 2021 International Medical Case Reports Journal

Outreach:

2021-22 K-12 visiting scientist with Skype A Scientist
 2016 The Repository for Archaeological and Ethnographic Collections' Anthropology Day Outreach with Harding Elementary

INVITED TALKS

2023 *The Ethnobiaoarchaeology of early life stress: Insights into cribra orbitalia and porotic hyperostosis in a living subsistence population.*
 Pennsylvania State University Seminar Program for Early Career Scholars.

CONFERENCE TALKS

2024 A Anderson.
The Ethnobiaoarchaeology of porous cranial lesions: Insights into cribra orbitalia, porotic hyperostosis, and health in living adults from a contemporary population of forager-horticulturalists
 50th Annual North American Meeting of the Paleopathology Association.

2019 A Anderson.
Assessing methods for recording porous cranial lesions
 46th Annual North American Meeting of the Paleopathology Association.

2018 A Anderson.

Holes in the Head: The archaeology of anemia.
UCSB Grad Slam

- 2018 A Anderson.
A Review of the Evidence for Adaptive Anemia.
4th Annual Meeting of the International Society for Evolution, Medicine & Public Health
- 2017 A Anderson, B Trumble, H Kaplan, M Gurven, AD Blackwell.
Effects of hookworm on hematological markers of anemia and immune function during pregnancy among Bolivian forager-farmers.
UCSB Ecology, Evolution and Marine Biology Graduate Symposium

CONFERENCE POSTERS

- 2021 A Anderson, B Gardner, C Yang. *OsteoLogic: an interactive website for improving consistency in scoring orbital roof lesions.*
47th Annual North American Meeting of the Paleopathology Association.
- 2020 AD Blackwell, A Anderson. *boneMachine: An R Package for Rotation and Analysis of Computed Tomography Scans and Other Three-Dimensional Data.*
89th Annual Meeting of the American Association of Physical Anthropologists.
- 2019 A Anderson, AD Blackwell, B Trumble, R Thompson, L Wann, A Allam, B Frohlich, M Sutherland, J Sutherland, J Stieglitz, D Eid Rodriguez, A Irimia, M Law, G Barisano, H Chui, D Michalik, C Rowan, G Lombardi, R Bedi, A Garcia, D Cummings, J Min, J Narula, C Finch, G Thomas, H Kaplan, M Gurven.
Porous cranial lesions in living forager-horticulturalists: theoretical pathways and preliminary evidence
88th Annual Meeting of the American Association of Physical Anthropologists.
Invited symposium *Skeletal Plasticity.*
- 2017 A Anderson, D Hunt, M Collins, M Gurven, L Folio.
Bridging past and present: Dry Bone CT Technique for Clinical/ Archaeological Comparative Samples
Annual Meeting of the American Roentgen Ray Society
- 2017 A Anderson, B Trumble, H Kaplan, M Gurven, AD Blackwell.
Effects of hookworm on hematological markers of anemia and immune function during pregnancy among Bolivian forager-farmers
42nd Annual Meeting of the Human Biology Association
- 2016 A Anderson, B Trumble, H Kaplan, M Gurven, AD Blackwell.
Immunity, iron and reproductive status in the Bolivian Amazon
2nd Annual Meeting of the International Society for Evolution, Medicine & Public Health

- 2016 A Anderson, B Trumble, H Kaplan, M Gurven, AD Blackwell.
Predictors of microcytic and macrocytic anemia in the Bolivian Amazon.
41st Annual Meeting of the Human Biology Association
- 2013 AS Anderson, NP Herrmann
Lytic lesions on the Euboean: A case study from Bronze Age Mitrou.
40th Annual North American Meeting of the Paleopathology Association.
- 2012 AS Anderson
Beyond Treponematosi s: A differential diagnosis of Garbacon Creek (with further results).
81st Annual Meeting of the American Association of Physical Anthropologists.
Invited symposium *Scurvy: From the Collagen Up.*
- 2011 AS Anderson
Beyond Treponematosi s: A differential diagnosis of Garbacon Creek.
68th Annual Southeastern Archaeological Conference.

PROFESSIONAL APPOINTMENTS

Teaching Associate, UCSB 2019

Anth 180A – Human Osteology: Winter 2019.
Developed and taught course.

Teaching Assistant, UCSB 2015-present

Introduction to Biological Anthropology (Anth 5): Winter 2022; Fall 2021; Spring 2019; Spring 2018; Spring 2017; Fall 2016; Fall 2015
Introduction to Biosocial Anthropology (Anth 7): Spring 2022; Winter 2021; Winter 2016
Introduction to Archaeology (Anth 3): Spring 2021
Human Evolution (Anth 121): Winter 2017
Human Reproductive Ecology and Endocrinology (Anth177AB): Fall 2018
Summer Engineering and Research Academy: The Story of Life on Earth (INT93LS): Summer 2018
Artifact and Text (Clas 171): Fall 2020

Assistant Curator, UCSB Repository for Archaeological and Ethnographic Collections: Summer 2018

Guest Lecturer:

2021 Evolutionary Medicine, University of Mississippi
2021 Introduction to Archaeology, University of California Santa Barbara

PROFESSIONAL AFFILIATIONS

American Association of Biological Anthropology
Human Biology Association
International Society for Evolution, Medicine & Public Health

Paleopathology Association

LAB AND FIELD EXPERIENCE

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- 7/2019 **Field Technician/Osteological Consultant**, Historic Mitchelville Freedom Park, SUNY Binghamton, PI: Katherine Seeber
- 12/2018 **Paleopathologist**, Nasca Highlands Behavioral Ecology Project
- 06/2016 – **Research Intern**, National Institute of Health, National Institute of Dental and
09-2016 Craniofacial Research, Skeletal Clinical Studies Unit
PI: Michael Collins
- 08/2013 – **Field Technician**, Panamerican Consultants, Inc. (www.panamconsultants.com)
10/2013 Phase III excavation of an archaic lithic tool production site (3BE756) in Benton Co., AR.
PI: Andrew Sautkamp
- 05/2013 – **Field School Instructor**, Proyecto de Investigación Arqueológico Regional Ancash
08/2013 Hualcayan, Peru (www.piaraperu.org)
Field Directors: Rebecca Bria (Vanderbilt University) and Elizabeth Cruzado Carranza
- 03/2013 – **Osteological Field Technician**, Cobb Institute of Archaeology, Mississippi State
05/2013 University
University of Mississippi Medical Center Cemetery Project (www.cobb.msstate.edu)
Phase III excavation of 19th-early 20th century cemetery in Jackson, MS.
PIs: Nicholas P. Herrmann and Derek Anderson (Mississippi State University)
- 11/2012 – **Field Technician**, Tennessee Valley Archaeological Research Inc.
03/2013 (www.tvaresearch.com)
Phase III excavation of historic Choctaw site in Kemper Co., MS (22KE718).
PIs: Hunter Johnson and Keith Little
- 09/2012 – **Field Technician**, Tennessee Valley Archaeological Research Incorporated
10/2012 Phase III excavation of proto-historic Choctaw site in Kemper county, MS (22KE630).
PIs: Hunter Johnson and Keith Little
- 07/2012 – **Osteological Technician**, University of Tennessee and the Greek Archaeological
08/2012 Service
Mitrou Archaeological project, East Lokris, Greece (<http://mitrou.utk.edu/>)
PIs: Aleydis Van de Moortel (University of Tennessee at Knoxville) and Eleni Zahou (14th Ephoreia of Classical and Prehistorical Antiquities at Lamia)
- 07/2011 – **Field School Participant**, Astypalaia bioarcheology field school
08/2011 (<https://sites.google.com/site/astypalaiabioarchaeology/>)
Astypalaia Bioarcheology Project, Kyindra infant cemetery, Greece.
PI: Simon Hillson, University College London
- 06/2011 **Field Volunteer**, UNC-Chapel Hill Research Labs of Archaeology
Catawba Project (<http://rla.unc.edu/CatawbaProject/CatawbaProject.html>)
Excavation of the 18th c. Catawba village site of Cheraw Town near Fort Mill, SC
PIs: R.P. Steven Davis and Brett (UNC Chapel Hill)
- 07/2010 – **Osteological Technician**, Institute for Aegean Prehistory Study Center at East Crete
08/2010 (www.aegeanprehistory.net)
- 06/2010 – **Trench Assistant**, Petras Excavations (www.petras-excavations.gr)
07/2010 Excavation of a Minoan House Tomb Cemetery, Petras, Crete

PIs: Philip P. Betancourt (Temple University; University of Pennsylvania) and Metaxia Tsipopoulou (Hellenic Ministry of Culture)

LANGUAGES

R (proficient)
Spanish (basic conversational; reading proficiency)
German (elementary)
Greek (elementary)
Latin and Ancient Greek (reading proficiency)