

Amy S. Anderson

Curriculum Vitae

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704.609.1211

EDUCATION

2018 – * Ph.D. Anthropology, University of California, Santa Barbara
Dissertation: *The skeletal biology of porous cranial lesions*
Advisers: Michael Gurven and Aaron Blackwell

2015 – 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

PAPERS

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

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

Under review. **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*.

ACADEMIC RECOGNITIONS:

2019-20	Graduate Opportunity Fellowship
2008-12	Cameron Morrison Academic Scholarship
2008-12	UNC Dean's List
2011	Phi Beta Kappa
2010	Herrington Competition of Latin/Greek poetry performance: Greek prize
2008	Herrington Competition of Latin/Greek poetry performance: Latin prize

GRANTS AND AWARDS:

2020	National Science Foundation Doctoral Dissertation Research Improvement Grant (\$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	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)

CONFERENCE TALKS:

2019	A Anderson. <i>Assessing methods for recording porous cranial lesions</i> 46 th Annual North American Meeting of the Paleopathology Association.
2018	A Anderson. <i>Holes in the Head: The archaeology of anemia.</i> UCSB Grad Slam
2018	A Anderson. <i>A Review of the Evidence for Adaptive Anemia.</i> 4 nd Annual Meeting of the International Society for Evolution, Medicine & Public Health
2017	A Anderson, B Trumble, H Kaplan, M Gurven, AD Blackwell. <i>Effects of hookworm on hematological markers of anemia and immune function during pregnancy among Bolivian forager-farmers.</i>

CONFERENCE POSTERS:

- 2019 A Anderson et al.
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 Paleopathology Association Meeting.
- 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

Teaching Assistant, UCSB 2015-present

Introduction to Biological Anthropology (Anth 5): Spring 2019; Spring 2018; Spring 2017; Fall 2016; Fall 2015

Introduction to Biosocial Anthropology (Anth 7): Winter 2016; Winter 2021

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

SERVICE:

2020-21	Paleopathology Student Association Senior Co-chair
2019-20	Paleopathology Student Association Junior Co-chair
2018-19	Anthropology Graduate Student Association Co-president
2017-18	Osteologist, UCSB Repository for Archaeological and Ethnographic Collections
2016-17	Graduate Student Association Representative, UCSB Anthropology Graduate Student Association (AGSA)
2016-17	Anthropology Colloquium Chair
2016-17	UCSB Campus Representative, California Workshop on Evolutionary Social Science (C-Wess)
2015-16; 2017-18	Anthropology Colloquium Co-chair
2016	The Repository for Archaeological and Ethnographic Collections' Anthropology Day Outreach with Harding Elementary

PROFESSIONAL AFFILIATIONS:

American Association of Physical Anthropology

Human Biology Association

International Society for Evolution, Medicine & Public Health

Paleopathology Association

UCSB Broom Center for Demography, Graduate Associate

LAB EXPERIENCE:

06/2016 – **Research Intern**, National Institute of Health, National Institute of Dental and
09-2016 Craniofacial Research, Skeletal Clinical Studies Unit
PI: Michael Collins

FIELD EXPERIENCE:

7/2019 **Field Technician/Osteological Consultant**, Historic Mitchelville Freedom Park,
SUNY Binghamton, PI: Katie Seeber

12/2018 **Paleopathologist**, Nasca Highlands Behavioral Ecology Project

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, Kyllindra 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)

WET LAB SKILLS:

ELISAs

DNA extraction

Histology (paraffin and methylacrylate)

LANGUAGES:

Spanish (intermediate)

Greek (basic)

R (intermediate)