

Curriculum Vitae
SAMMANtha N. HOLDER
(December 2020)

University of Georgia
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EDUCATION

- Exp May 2021 Ph.D., **University of Georgia**, Department of Anthropology
Interdisciplinary Certificate in University Teaching, Graduate School
- 2013 M.A., **University of Central Florida**, Department of Anthropology
- 2010 B.A., **University of Pittsburgh**, Department of Anthropology, *summa cum laude*
Certificate in Conceptual Foundations of Medicine, Department of History and
Philosophy of Science

RESEARCH AREAS

Biological anthropology; bioarchaeology; diet and nutrition; imperialism and warfare; human-environment interactions; stable isotope analysis (SIA); human osteology; paleopathology; Europe; Egypt

PUBLICATIONS

Refereed Journal Articles

- Early view **Holder S**, Miliauskienė Ž, Jankauskas R, Dupras TL. An Integrative Approach to Studying Plasticity in Growth Disruption and Outcomes: A Bioarchaeological Case Study of Napoleonic Soldiers. *American Journal of Human Biology*. DOI: 10.1002/ajhb.23457
- 2020 **Holder S**, Reitsema L, Dupras TL, Jankauskas R. In Flux: Exploring Hierarchy and Heterarchy in the Past through Diet. *Vital Topics Forum of American Anthropologist* 122(4):916-919. DOI: 10.1111/aman.13486
- 2018 Reitsema LJ, **Holder S**. Stable Isotope Analysis and the Study of Human Stress, Disease, and Nutrition. *Bioarchaeology International* 2(2):63-74. DOI: 10.5744/bi.2018.1018
- 2017 **Holder S**, Dupras TL, Jankauskas R, Williams LJ, and Schultz J. Reconstructing Diet in Napoleon's Grand Army using Stable Carbon and Nitrogen Isotope Analysis. *American Journal of Physical Anthropology* 163(1):53-63. DOI: 10.1002/ajpa.23184

Manuscripts in Preparation

- In prep Williams LJ, **Holder S**, Dupras TL. Table Talk: The Exploration of Community Care and Otherness at Dayr al Barsha. To be submitted in a *Festschrift* (to honor project director Harco Willems).
- In prep **Holder S**, Reitsema LJ, Dupras TL, Jankauskas R, Roberts P, Fernandes R. Bulk and Compound Specific Stable Isotope Analysis Shows Provisioning of Napoleon's Grand Army Prior to Russia Campaign. To be submitted to *Science Advances*.

RESEARCH GRANTS

2020	Innovative and Interdisciplinary Research Grants for Doctoral Students Graduate School, University of Georgia (\$1,773)
2019	Brian Daniel Gumbert Archaeological Graduate Research Award Department of Anthropology, University of Georgia (\$1,400)
2019	Innovative and Interdisciplinary Research Grants for Doctoral Students Graduate School, University of Georgia (\$2,000)
2019	Norman Herz Small Grants for Student Research Center for Archaeological Sciences, University of Georgia (\$500)
2018	Brian Daniel Gumbert Archaeological Graduate Research Award Department of Anthropology, University of Georgia (\$750)
2018	Summer Research Travel Grant for Doctoral Students Graduate School, University of Georgia (\$2,000)
2017	Grants-in-Aid of Research Sigma Xi (\$1,000)
2017	Innovative and Interdisciplinary Research Grants for Doctoral Students Graduate School, University of Georgia (\$2,500)
2017	Dean's Award Graduate School, University of Georgia (\$3,000)
2017	Melissa Hague Field Study Award Department of Anthropology, University of Georgia (\$500)

RESEARCH FELLOWSHIPS, AWARDS, AND HONORS

2020-2021	Dissertation Completion Award Graduate School, University of Georgia (\$18,871 + tuition waiver)
2020	Summer Doctoral Research Assistantship Graduate School, University of Georgia (\$3,500 + tuition waiver)
2020	Dissertation Fellowship Honorable Mention Ford Foundation
2019	Graduate Education Advancement Board Fellowship Graduate School, University of Georgia (\$2,500)
2018-2020	The Beverly Hirsh Frank Graduate Fellowship for Women in Science Graduate School, University of Georgia (\$2,000)
2018	National Science Foundation Participant Award IsoCamp, University of Utah (\$1,950)
2018	Student Member Travel Award Human Biology Association (\$500)
2016	Title VIII Program for Research and Training in Eastern Europe and Eurasia Fellowship Baltic Studies Summer Institute, Indiana University (\$5,300)
2016	Workshop Participation Award

CONFERENCE AND SYMPOSIA PARTICIPATION (student mentee co-author underlined)

Organized Symposia

Gender, the Body, and Fieldwork Across Disciplines Symposium

This interdisciplinary symposium addressing gendered and intersectional experiences in fieldwork. Through plenary speakers, workshops, and interactive sessions, we critically engage with how we are shapes the ways we conduct and experience fieldwork and collectively reimagine the 'field'.

2020 **Co-creator** with C. Crespo

Virtual via Zoom

Awarded \$1,300 in support from the Graduate School and Franklin College of Arts & Sciences at the University of Georgia (with K. Morrow)

2019 **Co-creator and co-organizer** with C. Crespo

Athens, GA

Awarded \$1,800 from Franklin College of Arts & Sciences Visiting Scholar Award to support plenary speaker travel (with C. Crespo) and \$3,100 from the Graduate School, Institute of Women's Studies, Center for Integrative Conservation Research, Center for Applied Isotope Studies, Warnell School of Forestry, and Departments of Anthropology and Sociology at the University of Georgia (with C. Crespo and session organizers)

Starting the Conversation: Women and the Field in the Social Sciences

This event emerged in response to the silence that surrounds the embodied experiences of wom(x)n field researchers. We relocated conversations often considered too uncomfortable for academic spaces from 'private' to 'public' spaces through a keynote address and roundtable discussion.

2018 **Co-creator and co-organizer** with C. Crespo

Conference & Symposium Sessions & Workshops Organized

Accepted **Holder S**, Dupras TL. "Exploring Intersections of Diet, Health, and Disease: Approaches to Studying Nutrition in the Past", Paleopathology Association Annual European Meeting, August 20-24, 2021.

2020 **Holder S**, Crespo C. Building Networks of Support, Collaboration, and Friendship, Gender, the Body, and Fieldwork Across Disciplines Symposium.

2020 Crespo C, **Holder S**. Working Towards a More Inclusive Classroom: On Making Mistakes and Moving Forward, Spring Teaching Symposium, UGA.

2019 Crespo C, **Holder S**. Exploring Intersections of Identity, Fieldwork, and Knowledge Production through Role Play, Gender, the Body, and Fieldwork Across Disciplines Symposium.

2019 **Holder S**, Crespo C, Kas-Osoka C. Strategies for Identifying and Addressing Hidden Assumptions in the Classroom, Spring Teaching Symposium, UGA.

2017 **Holder S**, Reitsema LJ. "Stable Isotope Advances in Studies of Stress and Disease", American Association of Physical Anthropologists Annual Meeting.

Conference Presentations

2019 Crespo C, **Holder S**, Dillon SJ. Academic Sterilization: Emotions, Bodies, and Knowledge Production, Society for Social Studies of Science Annual Meeting.

Conference Session Panelist

2020 Inclusivity and Diversity in Conservation, Integrative Conservation Conference.

Conference Presentations with Published Abstracts

- Submitted **Holder S.** A Scoping Review of Stable Isotope Analysis in Human Biology, Human Biology Association Annual Meeting, March 29-April 2, 2021.
- Submitted **Holder S, Reitsema LJ, Dupras TL, Jankauskas R.** Exploring the Impact of Anemia on Bone Collagen and Carbonate Stable Isotope Ratios Among Soldiers in Napoleon's Grand Army, American Association of Physical Anthropologists Annual Meeting, April 7, 2021.
- 2020 **Holder S, Reitsema LJ, Dupras TL, Jankauskas R, Mari K.** Marching on their Stomachs: Reconstructing Dietary Life Histories of Napoleonic Soldiers through Stable Isotope Analysis. *American Journal of Physical Anthropology* 171(S69):122-123. DOI: 10.1002/ajpa.24023. Due to COVID-19 related conference cancellation, this presentation was disseminated on April 18 at <https://meeting.physanth.org/program/2020/session58/holder-2020-marching-on-their-stomachs-reconstructing-dietary-life-histories-of-napoleonic-soldiers-through-stable-isotope-analysis.html>
- 2020 **Batchelder C, Holder S, Maddox T, Reitsema LJ, Dupras TL, Jankauskas R.** Examining Bone Collagen and Carbonate Stable Isotope Ratio Homogeneity via Different Homogenization Methods. *American Journal of Physical Anthropology* 171(S69):20. DOI: 10.1002/ajpa.24023. Due to COVID-19 related conference cancellation, this presentation was disseminated on April 16 at <https://meeting.physanth.org/program/2020/session02/batchelder-2020-examining-bone-collagen-and-carbonate-stable-isotope-ratio-homogeneity-via-different-homogenization-methods.html>
- 2018 **Holder S, Miliauskienė Ž, Jankauskas R, Dupras TL.** Childhood Growth Disruptions and Adult Stature: A Bioarchaeological Investigation of Life History in Napoleonic Soldiers. *American Journal of Human Biology* 30(2):18. DOI: 10.1002/ajhb.23110
- 2017 **Holder S, Reitsema LJ, Garland CJ, Smith AK, Lunsford J, Krajewska M, Kozłowski T.** Addressing the Inertness of Bones and Teeth in Isotopic Studies of Stress and Disease: A Review of Advances and Future Prospects. *American Journal of Physical Anthropology* 162(S64):220. DOI: 10.1002/ajpa.23210
- 2016 **Holder S, Reitsema LJ, Dupras TL, Jankauskas R.** Women in War: A Multi-isotopic Analysis of Females Discovered in a Mass Grave with Napoleonic Soldiers. *American Journal of Physical Anthropology* 159(S62):175. DOI: 10.1002/ajpa.22955
- 2015 Schotten KL, Dupras TL, Jankauskas R, Williams LJ, **Holder S**, Schultz J. The Crypt People from the Cathedral Basilica of Saints Stanislaus and Vladislaus, Vilnius, Lithuania: Reconstruction of Life Histories using Stable Isotope Analysis. *American Journal of Physical Anthropology* 156(S60):280. DOI: 10.1002/ajpa.22718

Conference Presentations without Published Abstracts

- Submitted **Holder S, Reitsema LJ, Dupras TL, Jankauskas R.** Comparing Provisioning Strategies among 18th-19th century Imperial European Militaries using Stable Isotope Analysis, Congress of the European Anthropological Association, August 24-28, 2021.
- Accepted **Holder S, Miliauskienė Ž, Reitsema LJ, Dupras TL, Jankauskas R.** Exploring Diet and Dental Disease among Napoleonic Soldiers through Biochemistry and Paleopathology,

- Paleopathology Association Annual European Meeting, August 20-24, 2021.
- 2019 **Holder S**, Reitsema LJ, Dupras TL, Jankauskas R. Exploring Cooperation and Hierarchy among Napoleonic Soldiers by Reconstructing Dietary Variation using Stable Isotope Analysis, Society for American Archaeology Annual Meeting.
- 2016 **Holder S**, Reitsema LJ, Dupras TL, Jankauskas R. An Assessment of Dietary Trends in Soldiers from Napoleon's Grand Army using Stable Carbon and Nitrogen Isotope Analysis, Georgia Academy of Sciences Annual Meeting.
- 2013 **Holder S**, Dupras TL, Jankauskas R, Williams LJ, Schultz J. Famine in the Midst of Retreat: An Isotopic Analysis of Dietary Variation and Starvation in Napoleon's Grand Army, Paleopathology Association Annual Meeting.

TEACHING & MENTORSHIP EXPERIENCE

Teaching Awards

- 2019 **Excellence in Teaching Award**
Graduate School, University of Georgia (\$1,000)
- 2018 **Outstanding Teaching Assistant Award**
Graduate School, University of Georgia
- 2018 **Charles Hudson Excellence in Teaching Award**
Department of Anthropology, University of Georgia
- 2017-2018 **Future Faculty Fellowship**
The Graduate School & Center for Teaching and Learning, University of Georgia (\$600)

Teaching Positions

- Spring 2020 Instructor of Record, Department of Anthropology, UGA
 Summer 2018 Instructor of Record, Division of Academic Enhancement, UGA
 2015-2018 Graduate Teaching Assistant, Department of Anthropology, UGA
 2010-2012 General Teaching Assistant, Department of Anthropology, UCF
 Summer 2013

Courses: Instructor of Record, University of Georgia

Bioarchaeology (1 section, in-person to online (due to COVID-19): Spring 2020)
 Developing Literacies in the Social Sciences (2 sections, in-person: Summer 2018)

Courses: Teaching Assistant, University of Georgia

Bioarchaeology (1 section, in-person and writing intensive: Spring 2018, Spring 2017)
 Introduction to Biological Anthropology (1 section, in-person: Fall 2017)
 Introduction to Anthropology (1 section, in-person: Fall 2016, Spring 2016, Fall 2015)

Courses: Teaching Assistant, University of Central Florida

Human Species (1 section, online: Summer 2013, Fall 2011; in-person: Fall 2010)
 Peoples of the World (1 section, online: Summer 2012)
 General Anthropology (1 section, online: Spring 2012)
 Indians of the Southeastern U.S. (1 section, online: Spring 2011)

Teaching Presentations at Conferences and Symposia

- 2018 **Holder S**, Reitsema LJ. Engaging Bioarchaeology Undergraduate Students through

Writing in the Discipline, Canadian Association of Physical Anthropology Annual Meeting.

2018 Crane K, Grainy J, **Holder S**, Monarrez P. How to Build a Teaching Portfolio When You Aren't the Teacher, Spring Teaching Symposium, UGA.

Center for Undergraduate Research Opportunities Student Presentations

2017 Lunsford J, Reitsema LJ, **Holder S**, Krajewska M, Kozłowski T. Investigating Diet and Stress in Medieval Polish Individuals using the Bone Density Fractionation Method, Center for Undergraduate Research Opportunities Symposium, UGA.

Undergraduate Research Supervision

Fall 2019 Jannah Zinker. Training in preparation of bone carbonate.

2019-2020 Chelsea Batchelder. Supervised study on methods of homogenizing bone samples.

Spring 2019 Manya Kothapalli. Training in preparation of bone collagen and carbonate.

2017-2019 Katey Mari. Training in preparation of bone collagen and carbonate.

2015-2017 Janae Lunsford. Supervised study on bone density fractionation method.

Guest Lectures (^ = graduate-level courses)

6 out of 26 guest lectures (23 undergraduate, 3 graduate) in First Year Odyssey Seminar, Department of Anthropology, Institute of Women's Studies, Odum School of Ecology, and Graduate School courses.

2020 Intersectionality and diversity work
ECOL 8000: Topics in Modern Ecology (with C. Crespo) ^

2019 Using osteological data to address broader social and ecological questions:
Bioarchaeological perspectives on contemporary issues
ANTH 4730: Human Osteology

2018 Ancient Bones! Bioarchaeology at UGA and beyond
FYOS 1001: Ancient Artifacts! Exploring the Past at UGA's Laboratory of Archaeology

2017 Biocultural medical anthropology
ANTH 3040: Introduction to Biological Anthropology

2016 Cultural origins: Origins and impacts of domestication
ANTH 1102: Introduction to Anthropology

2015 Models of clinal variation and evolution of human skin pigmentation
ANTH 1102: Introduction to Anthropology

RESEARCH EXPERIENCE

Laboratory Experience

2018-2020 **Graduate Research Assistant**

Center for Applied Isotope Studies, University of Georgia
Sample preparation, weighing, and encapsulation; setting up and running EA-IRMS and Gas Bench-IRMS, Isodat data reduction, analysis, and creating client reports; training student workers.

Dissertation Research

2017 Anthropology Laboratory, Vilnius University

- Collection of Napoleonic and Russian soldier femur and rib samples and morphometric measurements.
- 2015-2020 **Bioarchaeology and Biochemistry Laboratory, University of Georgia**
Preparation of Napoleonic and Russian soldier femora and ribs and Lithuanian faunal skeletal material for stable isotope analysis of bulk collagen, bioapatite, and individual amino acids. Bone density fractionation method pilot study.
- 2012-2013 **Thesis Research**
Laboratory for Bioarchaeological Sciences, University of Central Florida
Preparation of Napoleonic soldier and camp follower femora for stable isotope analysis of bulk collagen.
- 2012 **Graduate Research Assistant**
Laboratory for Bioarchaeological Sciences, University of Central Florida
Preparation of Lithuanian human and faunal skeletal material for stable isotope of bulk collagen.

Field Experience

- 2017-2019 **Osteology Field Research Assistant**
Dayr al-Barsha Project, Dayr al-Barsha, Egypt
Osteological analysis of skeletal remains from Old Kingdom/1st Intermediate Period, Middle Kingdom, and Roman Period cemeteries. (Mar)
- 2015-2016 **Contract Excavator**
Southeastern Archaeological Services, Athens, GA
Documentation and excavation of slave burials from Old Athens Cemetery. (Dec-Jan)
- 2011 **Field School Participant**
Huari-Ancash Bio-Archaeological Research Project, Marcajirca, Peru
Documentation and excavation of fragmented and commingled skeletal remains from Late Intermediate Period chullpas. (June)

Unpublished Reports

- 2019 Williams LJ, **Holder S**, Gomez M. Dayr al-Barsha Physical Remains. Reports prepared for Dayr al-Barsha Project, KU Leuven, Belgium.
- 2018 Williams LJ, **Holder S**. Dayr al-Barsha Physical Remains. Reports prepared for Dayr al-Barsha Project, KU Leuven, Belgium.
- 2017 Williams LJ, **Holder S**. Dayr al-Barsha Physical Remains. Reports prepared for Dayr al-Barsha Project, KU Leuven, Belgium.

PROFESSIONAL DEVELOPMENT

Courses

- 2018 **Stable Isotope Biogeochemistry and Ecology short course (IsoCamp)**, University of Utah
- 2016 **Introductory Lithuanian I & II**, Baltic Studies Summer Institute, Indiana University

Workshops

- 2019 **Cultural Sensitivity Training with Muscogee (Creek) Historic and Cultural Preservation Division**, Laboratory of Archaeology, UGA

- 2018 **Face-to-Face Scicomm**, STEMZone, University of Georgia
- 2018 **Planning, Presenting, and Publishing Research on Teaching**, Center for Teaching & Learning, University of Georgia
- 2018 **Weaving Writing In: A Writing-Intensive Course Design Bootcamp**, Write@UGA, University of Georgia
- 2018 **Choosing Multiple Choice Webinar**, Center for Teaching & Learning, University of Georgia
- 2018 **Safe Space Training**, LGBT Resource Center, UGA
- 2017-Present **Certificate in Diversity & Inclusion**, Office of Institutional Diversity, UGA
Certificate courses: Self-Awareness & Reflective Practice for Diversity & Inclusion: Transforming our Schema (Oct 2017), UGA's Non-Discrimination Anti-Harassment Policy (Aug 2019)
- 2017 **Community-Engaged Research on the Tenure-Track: Integrating Teaching and Research**, Center for Teaching & Learning, University of Georgia
- 2016 **Workshop for Graduate Student Women Scholars**, Committee on Diversity Women's Initiative, American Association of Physical Anthropologists

SERVICE AND OUTREACH

Professional Service

- 2019 **Student Volunteer**, Radiocarbon and Archaeology Conference
- 2018 **Guest Editor**, "Stable Isotope Advances in Bioarchaeological Studies of Stress and Disease" *Bioarchaeology International* 2(2) (with LJ Reitsema)
- 2016 **Student Volunteer**, American Association of Physical Anthropologists Annual Meeting
- 2016 **Student Volunteer**, Human Biology Association Annual Meeting

Service to the University

University of Georgia

- 2020 **Panelist**, Center for Teaching and Learning, "Active Learning as a TA"
- 2020 **Graduate Student Representative**, Search Committee for Vice Provost for Graduate Education and Dean of the Graduate School
- 2019 **Graduate Student Committee Member**, UGA Mandatory Student Fee Committee
- 2019 **Graduate Student Panelist**, Graduate Education Advancement Board
- 2019 **Manuscript Reviewer**, *The Classic Journal* (n=3)
- 2018 **Guest Editor**, "Bioarchaeology Special Issue" *The Classic Journal* 3.1 (with LJ Reitsema)
- 2018, 2017 **Invited Speaker**, NSF REU: Immersive Research in the Bioarchaeology of Greek Colonization
- 2017-2018 **Mid-Semester Formative Evaluation (MSFE) Facilitator** (n=2)
- 2017-2018 **Graduate Student Beta-Tester**, UGA Elements System
- 2017 **Breakout Session Co-Organizer & Co-Presenter**, New TA Orientation
- 2016 **Judge**, High School Student Behavioral and Social Science Poster Session, Georgia Junior Science & Humanities Symposium
- 2015 **Judge**, Undergraduate Poster Session at 10th Annual National Fall Symposium and Research Conference, Peach State Louis Stokes Alliance for Minority Participation

Service to the Department

- 2020 **Panelist**, "Certificate Programs", Graduate Professional Seminar

- 2020 **Ad Hoc Diversity Statement Committee Member**
 2019 **Graduate Student Organizer and Participant**, “Mentoring Conversations with Graduate Students”
 2018 **Welcome Back Majors & Meet Your Mentor Event Organizer**
 2018 **Spring Graduate & Undergraduate Student Social Organizer**
 2018 **Anthropology Day Event Co-Organizer**
 2017 **Halloween Murder Mystery Potluck Organizer and Presenter**
 2016-2019 **Undergraduate Mentor Program Coordinator**, Undergraduate Mentor Program, Anthropology Graduate Student Organization
 2016-2018 **Graduate Student Panel Organizer**, “Graduate Student Trajectories”
 2015-Present **Mentor**, Undergraduate Mentor Program, Anthropology Graduate Student Organization

Outreach & Service to the Public

- 2018 **Co-Organizer** for Human-Nature booth, STEMzone, Athens, GA
 2018 **Researcher/Co-Presenter**, Scientific Research & Education Network, Athens, GA
 2017-2018 **College Coach**, ULead, Athens, GA
 2017 **Co-Guest Lecturer**, Cedar Shoals High School Anatomy and Physiology classes, Athens, GA
 2017 **Researcher/Co-Presenter**, Scientific Research & Education Network, Athens, GA

CREATIVE CONTRIBUTIONS

- 2017 “Teaching Students to Communicate to a Popular Audience”, The Writing Intensive Program Blog, University of Georgia
 2016 “Beyond Declensions and Conjugations: Learning Lithuanian at SWSEEL”, The Polyglot, Baltic Studies Summer Institute, Indiana University

SELECTED MEDIA COVERAGE OF RESEARCH

- 2017 “The Grand Army Diet”, Archaeology Magazine article by Marley Brown
 2017 “UCF Anthropology Alumna Attracts International Attention”, University of Central Florida College of Sciences News article by Natalie Jebailey
 2017 “Food for Thought: Reconstructing the Diet of Napoleon’s Grand Army”, The Guardian article by Jennifer Raff
 2015 “Skeletons of Napoleon’s Soldiers Discovered in Mass Grave Show Signs of Starvation”, Forbes article by Dr. Kristina Killgrove

PROFESSIONAL MEMBERSHIP

American Association of Physical Anthropologists
 Human Biology Association