

Curriculum Vitae  
**SAMMANTHA N. HOLDER**  
(revised November 2019)

University of Georgia  
Department of Anthropology  
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## EDUCATION

- In progress Ph.D., University of Georgia, Department of Anthropology, with Interdisciplinary Certificate in University Teaching  
Tentative Title: The Imperial War Machine: A Comparative Bioarchaeological Study of 19<sup>th</sup> Century Warfare  
Dissertation Advisor: Dr. Laurie Reitsema
- 2013 M.A., University of Central Florida, Department of Anthropology  
Title: Interpreting Diet and Nutritional Stress in Napoleon's Grand Army using Stable Carbon and Nitrogen Isotope Analysis  
Thesis Advisor: Dr. Tosha Dupras
- 2010 B.A., University of Pittsburgh, Department of Anthropology, with certificate in Conceptual Foundations of Medicine, *Summa cum laude*  
Advisor: Dr. Joseph Alter

## RESEARCH AREAS

Biocultural anthropology; bioarchaeology; stable isotope analysis (SIA); diet and nutrition; human osteology; paleopathology; Europe; Egypt

## PUBLICATIONS

### Refereed Journal Articles

- 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 Submission

- In review **Holder S**, Kas-Osoka C. Demographics, Distrust of Authority, and Discussion in the Classroom: What Role Does Race Play? Submitted to *Teaching Innovation Projects Journal*.

### Manuscripts in Preparation

- In prep **Holder S**, Miliauskienė Ž, Jankauskas R, Dupras TL. A Life Course Approach to Human Growth Outcomes: A Bioarchaeological Case Study of

Napoleonic Soldiers. In preparation for a Special Issue of *American Journal of Human Biology*.  
In prep **Holder S**, Reitsema L, Dupras TL, Jankauskas R. In Flux: Exploring Hierarchy and Heterarchy in the Past through Diet. In preparation for a Vital Topics Forum of *American Anthropologist*.

## AWARDS AND HONORS

2019 **Excellence in Teaching Award**, The Graduate School, UGA (\$1000)  
2018 **NSF Participant Award**, IsoCamp, University of Utah (\$1950)  
2018 **Student Member Travel Award**, Human Biology Association (\$500)  
2018 **Outstanding Teaching Assistant Award**, The Graduate School, UGA  
2018 **Hudson Excellence in Teaching Award**, Department of Anthropology, UGA  
2016 **Committee on Diversity Women's Initiative Workshop Participation Award**, American Association of Physical Anthropologists (\$181)

## GRANTS AND FELLOWSHIPS

### External

2017 **Grants-in-Aid of Research**, Sigma Xi (\$1000)  
2016 **Title VIII Program for Research and Training in Eastern Europe and Eurasia Fellowship**, BALSSI at Indiana University (\$5300)

### Internal

2019-2020 **The Beverly Hirsh Frank Graduate Fellowship for Women in Science**, The Graduate School, UGA (\$2000)  
2019 **Innovative and Interdisciplinary Research Grants for Doctoral Students**, The Graduate School, UGA (\$2000)  
2019 **Norman Herz Small Grants for Student Research**, Center for Archaeological Sciences and the Center for Applied Isotope Studies (\$500)  
2019 **Graduate Education Advancement Board Fellowship**, The Graduate School, UGA (\$2500)  
2018-2019 **The Beverly Hirsh Frank Graduate Fellowship for Women in Science**, The Graduate School, UGA (\$2000)  
2018 **Brian Daniel Gumbert Archaeological Graduate Research Award**, Department of Anthropology, UGA (\$750)  
2018 **Summer Research Travel Grant for Doctoral Students**, The Graduate School, UGA (\$2000)  
2017-2018 **Future Faculty Fellow**, The Graduate School & Center for Teaching and Learning, UGA (\$600)  
2017 **Innovative and Interdisciplinary Research Grants for Doctoral Students**, The Graduate School, UGA (\$2500)  
2017 **Dean's Award**, The Graduate School, UGA (\$3000)  
2017 **Melissa Hague Field Study Award**, Department of Anthropology, UGA (\$500)

## GUEST EDITORSHIP

- 2018 **Holder S**, Reitsema LJ (Eds.). *Bioarchaeology International* 2(2). Title: Stable Isotope Advances in Bioarchaeological Studies of Stress and Disease.
- 2018 **Holder S**, Reitsema LJ (Eds.). *The Classic Journal* 3.1. Title: Bioarchaeology Special Issue.

## CONFERENCE PARTICIPATION ( $\Psi$ =with mentee, \*=published abstracts)

### Organized and Chaired Symposium Session(s)

- 2017 Stable Isotope Advances in Studies of Stress and Disease, American Association of Physical Anthropology 86<sup>th</sup> Annual Meeting, New Orleans, LA. April 19-22. Co-organizer and co-chair: Dr. Laurie Reitsema

### Papers Presented

- 2019 Crespo C, **Holder S**, Dillon SJ. Academic Sterilization: Emotions, Bodies, and Knowledge Production. Society for Social Studies of Science Annual Meeting. New Orleans, LA. Sep 4-7.  $\Psi$
- 2019 **Holder S**, Reisema LJ, Dupras T, Jankauskas R. Exploring Cooperation and Hierarchy among Napoleonic Soldiers by Reconstructing Dietary Variation using Stable Isotope Analysis. Society for American Archaeology Annual Meeting. Albuquerque, NM. April 10-14.

### Posters Presented

- 2018 **Holder S**, Reitsema LJ. Engaging Bioarchaeology Undergraduate Students through Writing in the Discipline. Canadian Association of Physical Anthropology Annual Meeting. London, ON. Oct 31-Nov 3.
- 2018 **Holder S**, Miliauskienė Ž, Jankauskas R, Dupras TL. Childhood Growth Disruptions and Adult Stature: A Bioarchaeological Investigation of Life History in Napoleonic Soldiers. Human Biology Association Annual Meeting. Austin, TX. April 11-12. 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 Association of Physical Anthropologists Annual Meeting. New Orleans, LA. April 19-22. DOI: 10.1002/ajpa.23210  $\Psi$ \*
- 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 Association of Physical Anthropologists Annual Meeting. Atlanta, GA. April 13-16. DOI: 10.1002/ajpa.22955 \*
- 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. Barnesville, GA. April 1-2.
- 2015 Schotten KL, Dupras TL, Jankauskas R, Williams LJ, **Holder S**, and J. Schultz. The Crypt People from the Cathedral Basilica of Saints Stanislaus and Vladislaus, Vilnius, Lithuania: Reconstruction of Life Histories using

- 2013 Stable Isotope Analysis. American Association of Physical Anthropologists Annual Meeting. St. Louis, MO. March 25-28. DOI: 10.1002/ajpa.22718 \*  
**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, Knoxville, TN. April 9-10.

## **LEADERSHIP EXPERIENCE**

### **Symposia Organized**

- 2019 Gender, the Body, and Fieldwork Across Disciplines Symposium, Athens, GA. April 19. Co-organizer: Christina Crespo.  
 2018 Starting the Conversation: Women and the Field in the Social Sciences Keynote and Roundtable Discussion, Athens, GA. March 30. Co-organizer: Christina Crespo.

### **Support for Symposia**

- 2019 Franklin Visiting Scholar Award to support Dr. Nette Falu travel as plenary speaker for Gender, the Body, and Fieldwork Across Disciplines Symposium, Office of Inclusion and Diversity Leadership, UGA (\$1800, with Christina Crespo)  
 2019 Funds from the Graduate School, Institute of Women's Studies, Center for Integrative Conservation Research, Center for Applied Isotope Studies, Warnell School of Forestry, Department of Anthropology, and Department of Sociology to support Gender, the Body, and Fieldwork Across Disciplines Symposium (\$3100 raised by me, Christina Crespo, and session organizers)

### **Symposium Workshops Organized**

- 2019 Exploring Intersections of Identity, Fieldwork, and Knowledge Production through Role Play. Gender, the Body, and Fieldwork Across Disciplines Symposium, Athens, GA. April 19. Co-organizer: Christina Crespo.  
 2019 Strategies for Identifying and Addressing Hidden Assumptions in the Classroom, Spring Teaching Symposium, Athens, GA. Feb 2. Co-organizers: Christina Crespo and Chioma Kas-Osoka.  
 2018 How to Build a Teaching Portfolio When You Aren't the Teacher, Spring Teaching Symposium, Athens, GA. February 10. Co-organizers: Kelsey Crane, Julie Grainsy, and Pedro Monarrez.

## **TEACHING & MENTORSHIP EXPERIENCE**

### **Teaching Positions**

- Summer 2018 Instructor of Record, Division of Academic Enhancement, UGA  
 2017-2018 Writing Intensive Program Teaching Assistant, Department of Anthropology, UGA  
 2015-2018 Graduate Teaching Assistant, Department of Anthropology, UGA  
 2010-2013 General Teaching Assistant, Department of Anthropology, UCF

### **Courses: Instructor of Record, University of Georgia**

Developing Literacies in the Social Sciences (2 sections; Summer 2018)

### **Courses: Teaching Assistant, University of Georgia**

Bioarchaeology (Writing Intensive: Spring 2018, Spring 2017)

Introduction to Biological Anthropology (Fall 2017)

Introduction to Anthropology (Fall 2016, Spring 2016, Fall 2015)

### **Courses: Teaching Assistant, University of Central Florida**

Human Species (online: Summer 2013, Fall 2011; Fall 2010)

Peoples of the World (online: Summer 2012)

General Anthropology (online: Spring 2012)

Indians of the Southeastern U.S. (online: Spring 2011)

### **Center for Undergraduate Research Opportunities Student Presentations**

2017 Lunsford J, Reitsema LJ, **Holder S**, Krajewska M, Kozlowshi T.  
Investigating Diet and Stress in Medieval Polish Individuals using the  
Bone Density Fractionation Method. Center for Undergraduate Research  
Opportunities Symposium. Athens, GA, April 3-4.

### **Undergraduate Research Supervision**

2019-Present Jannah Zinker. Training in preparation of bone carbonate for SIA.  
Bioarchaeology and Biochemistry Lab

2019-Present Chelsea Batchelder. Training in methods of homogenizing bone samples  
for SIA. Center for Applied Isotope Studies

Spring 2019 Manya Kothapalli. Training in preparation of bone collagen and carbonate  
for SIA. Bioarchaeology and Biochemistry Lab

2017-2019 Katey Mari. Training in preparation of bone collagen and carbonate for  
SIA. Bioarchaeology and Biochemistry Lab

2016-2017 Janae Lunsford. Training in bone density fractionation method for SIA.  
Bioarchaeology and Biochemistry Lab

### **Guest Lectures**

2019, 2017 Bioarchaeological approaches to prehistory (Oct)

ANTH 3220: Introduction to Prehistoric Archaeology

2019 Tailoring outreach activities to different audiences (with K. Schenk and K.  
Napora) (Oct)

GRSC 7770: Graduate Teaching Seminar

2019 But I'm a white lady: From reflection to action. Exploring our identities  
and privilege (Sep)

WMST 1110: Multicultural Perspectives on Women in the U.S.

2019 Using *Theatre of the Oppressed* to uncover hidden assumptions in the  
classroom (Apr)

GRSC 7850: Inclusive Teaching (with C. Crespo and C. Kas-Osoka)

2018 Ancient Bones! Bioarchaeology at UGA and beyond (Oct)

FYOS 1001: Ancient Artifacts! Exploring the Past at UGA's Laboratory of  
Archaeology

- 2018, 2017 Osteology, forensic anthropology, and bioarchaeology (Sep)  
ANTH 3040: Introduction to Biological Anthropology
- 2018, 2017 Writing for publication: Publishing as a student (July)  
NSF REU: Immersive Research in the Bioarchaeology of Greek  
Colonization
- 2018, 2017 Structural violence and bioarchaeology (Apr)  
ANTH 4265/6265: Bioarchaeology
- 2018 Isotope analysis and human mobility in the past (Mar)  
ANTH 4265/6265: Bioarchaeology
- 2018 Reconstructing long-term diet among Napoleonic soldiers (Feb)  
ANTH 2120H: Introduction to Anthropology
- 2018 Oral health (Jan)  
ANTH 4265/6265: Bioarchaeology
- 2017 Biocultural medical anthropology (Dec)  
ANTH 3040: Introduction to Biological Anthropology
- 2017 Diet and war: Insights from research at UGA (with K. Reinberger) (Nov)  
ANTH 3210: Archaeology of Warfare
- 2017 Forensic anthropology: What can we learn from the human skeleton?(Oct)  
Cedar Shoals High School Anatomy and Physiology classes (with K.  
Reinberger)
- 2017 Beer, wine, and bioarchaeology: Plant consumption in the past (Sep)  
ANTH 4300: Ethnobotany
- 2017 Stable isotope analysis and diet reconstruction in bioarchaeology (Mar)  
ANTH 4265/6265: Bioarchaeology
- 2017 Reconstructing Napoleonic soldier lifestyles (Feb)  
ANTH 2002: Tombs and Temples
- 2016 Studying diet and stress in Napoleon's army (Oct)  
FYOS 1001: Medical Anthropology: Past and Present
- 2016 Cultural origins: Origins and impacts of domestication (Oct)  
ANTH 1102: Introduction to Anthropology
- 2015 Isotope analysis and human migration: Strontium and oxygen (Nov)  
ANTH 4265/6265: Bioarchaeology
- 2015 Models of clinal variation and evolution of human skin pigmentation (Oct)  
ANTH 1102: Introduction to Anthropology

## **RESEARCH EXPERIENCE**

### **Research Assistantships**

- 2018-Present Graduate Research Assistant, Stable Isotope Ecology Laboratory, Center for Applied Isotope Studies, UGA. Weighing and encapsulation of samples for SIA, sample preparation, setting up and running EA-IRMS and Gas Bench-IRMS, Isodat data reduction, training student workers, and client report preparation.
- 2012 Research Assistant, Laboratory for Bioarchaeological Sciences, Department of Anthropology, UCF. Human and faunal collagen sample preparation for SIA.

## **Laboratory Experience**

- 2017-Present Dissertation bone collagen and carbonate sample preparation for SIA Ψ  
Bioarchaeology and Biochemistry Laboratory, Department of  
Anthropology, UGA
- 2017 Dissertation sample and data collection, June  
Anthropology Laboratory, Vilnius University, Department of Anatomy,  
Histology, and Anthropology, Vilnius, Lithuania
- 2016-2017 Bone density fractionation method pilot study Ψ  
Bioarchaeology and Biochemistry Laboratory, Department of  
Anthropology, UGA
- 2015 Bone carbonate sample preparation for SIA pilot study, Fall  
Bioarchaeology and Biochemistry Laboratory, Department of  
Anthropology, UGA
- 2012-2013 Thesis sample preparation for SIA  
Laboratory for Bioarchaeological Sciences, UCF

## **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.  
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.

## **ADDITIONAL TRAINING**

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

## **SERVICE TO THE PROFESSION**

- 2019 Student Volunteer, Radiocarbon and Archaeology Conference (May)
- 2016 Student Volunteer, AAPA Annual Meeting (Apr)
- 2016 Student Volunteer, HBA Annual Meeting (Apr)

## **SERVICE TO THE UNIVERSITY**

- 2019 Graduate Student Panelist, Graduate Education Advancement Board on “What are the primary challenges facing graduate students on campus?” (Oct)
- 2019 Manuscript reviewer, *The Classic Journal* (n=3)
- 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 (Aug)
- 2016 Judge, High School Student Behavioral and Social Science Poster Session, Georgia Junior Science & Humanities Symposium (Feb)
- 2015 Judge, Undergraduate Poster Session at 10th Annual National Fall Symposium and Research Conference, Peach State Louis Stokes Alliance for Minority Participation (Oct)

## **SERVICE TO THE DEPARTMENT**

- 2019 Graduate Student Organizer and Participant, “Mentoring Conversations with Graduate Students” (Feb)
- 2018 Graduate Student Panel Organizer, “Graduate Student Trajectories” (Sep)
- 2018 Welcome Back Majors & Meet Your Mentor Event Organizer (Sep)
- 2018 Spring Graduate & Undergraduate Student Social Organizer (Apr)
- 2018 Anthropology Day Event Co-Organizer (Feb)
- 2017 Halloween Murder Mystery Potluck Organizer and Presenter (Oct)
- 2017 Graduate Student Panel Organizer and Presenter, “Graduate Student Trajectories” (Sep)
- 2016 Graduate Student Panel Organizer and Presenter, “Graduate Student Trajectories” (Sep)
- 2016-2019 Undergraduate Mentor Program Coordinator, Undergraduate Mentor Program, Anthropology Graduate Student Organization
- 2015-Present Mentor, Undergraduate Mentor Program, Anthropology Graduate Student Organization (n=4).

## **OUTREACH & SERVICE TO THE PUBLIC**

- 2018 Co-Organizer for Human-Nature booth, STEMzone, Athens, GA (Oct)
- 2018 Researcher/Co-Presenter, Scientific Research & Education Network, Athens, GA (Feb)
- 2017-2018 College Coach, ULead, Athens, GA
- 2017 Researcher/Co-Presenter, Scientific Research & Education Network, Athens, GA (Feb)

## **PROFESSIONAL DEVELOPMENT**

- 2019 Cultural sensitivity training with Muscogee (Creek) Historic and Cultural Preservation Division, Laboratory of Archaeology, UGA (Sep)
- 2019 Archaeology and social justice with Dr. Barbara Little, Society for American Anthropology Knowledge Series (Sep)



- 2019 Sexual harassment workshop, Equal Opportunity Office, UGA (Aug)
- 2019 Diversity statement workshop, Center for Teaching and Learning (Feb)
- 2018 Face-to-face scicomm workshop, STEMZone, UGA (Oct)
- 2018 Safe space training, LGBT Resource Center, UGA (Oct)
- 2018 Planning, presenting, and publishing research on teaching workshop, Center for Teaching & Learning, UGA (Sep)
- 2018 Sexual harassment workshop, Equal Opportunity Office, UGA (Mar)
- 2018 On writing as an essential nutrient in the ecosystem of knowledge workshop, Write@UGA, UGA (Feb)
- 2018 Weaving writing in: A writing-intensive course design bootcamp, Write@UGA, UGA (Feb)
- 2018 Facilitating difficult conversations workshop, Future Faculty Fellowship Program, UGA (Jan)
- 2018 Choosing multiple choice webinar, Center for Teaching & Learning, UGA (Jan)
- 2017 Community-engaged research on the tenure-track: Integrating teaching and research, Center for Teaching & Learning, UGA (Oct)
- 2017 Training in facilitating MSFEs, Future Faculty Fellowship Program, UGA (Oct)
- 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 Lesson planning workshop, Scientific Research Network, UGA (Sep)
- 2016 COD-WIN workshop for graduate student women scholars, AAPA (Apr)

### **COURSES PREPARED TO TEACH**

Bioarchaeology; Human Osteology; Paleopathology; Nutritional Anthropology; Anthropology of Sex, Gender, and Sexuality; Introduction to Biological Anthropology

### **CREATIVE CONTRIBUTIONS**

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

### **MEDIA COVERAGE**

- 2017 [Archaeology Magazine article](#) by Marley Brown
- 2017 [University of Central Florida College of Sciences News article](#) by Natalie Jebailey
- 2017 [The Guardian article](#) by Jennifer Raff
- 2015 [Forbes article](#) by Dr. Kristina Killgrove

## **PROFESSIONAL MEMBERSHIP**

American Association of Physical Anthropologists

## **SKILLS**

### **Laboratory**

Osteological analysis of human and faunal remains; paleopathological analysis; sample preparation (lipid extraction, urea extraction, hair and nail keratin, bone collagen and carbonate)

### **Instrumentation**

EA-IRMS, Gas Bench-IRMS

### **Field**

Photography, mapping, and excavation of skeletal remains in situ

### **Computer**

MS office, R software, SPSS, Isodat

### **Language**

Lithuanian (basic written and oral skills), Spanish (basic oral skills)