

Curriculum Vitae  
**SAMMANTHA N. HOLDER**  
(revised December 2018)

Address: University of Georgia  
Department of Anthropology  
250A Baldwin Hall, Jackson St.  
Athens, GA 30602

Email: sammholder@uga.edu  
Fax: (706) 542-3998

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## RESEARCH AREAS

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

## EDUCATION

- In progress Ph.D., University of Georgia, Department of Anthropology, with Interdisciplinary Certificate in University Teaching  
Dissertation Advisor: Dr. Laurie Reitsema
- 2013 M.A., University of Central Florida, Department of Anthropology  
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

## ADDITIONAL TRAINING

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

## 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

## **AWARDS AND HONORS**

- 2018      Brian Daniel Gumbert Archaeological Graduate Research Award,  
Department of Anthropology, UGA (\$750)
- 2018      NSF Participation Award, IsoCamp at 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
- 2017      Dean's Award, The Graduate School, UGA (\$3000)
- 2017      Melissa Hague Field Study Award, Department of Anthropology, UGA  
(\$500)
- 2016      Committee on Diversity Women's Initiative Workshop Participation  
Award, American Association of Physical Anthropology (\$181)

## **GRANTS AND FELLOWSHIPS**

- 2018-2019    The Beverly Hirsch Frank Graduate Fellowship for Women in Science, The  
Graduate School, UGA (\$2000)
- 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      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)

## **INVITED TALKS**

- 2017      Forensic anthropology: What can we learn from the human skeleton?  
Cedar Shoals High School (with K. Reinberger), Oct 23

## **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)

- 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 Grainy, and Pedro Monarrez.
- 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 **Holder S**, Reitsema 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  $\Psi$ \*
- 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. Athens, GA, April 3-4.  $\Psi$

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

## TEACHING EXPERIENCE

### Teaching Positions

- 2018      Instructor of Record, Division of Academic Enhancement, UGA
- 2017-2018      Writing Intensive Program Teaching Assistant, Departments of Anthropology and English, 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)

### Guest Lectures

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

- 2018, 2017 Osteology, forensic anthropology, and bioarchaeology (Sep)
- 2018, 2017 Writing for publication: Publishing as a student (July)
- 2018, 2017 Structural violence and bioarchaeology (Apr)
- 2018 Isotope analysis and human mobility in the past (Mar)
- 2018 Reconstructing long-term diet among Napoleonic soldiers (Feb)
- 2018 Oral health (Jan)
- 2017 Biocultural medical anthropology (Dec)
- 2017 Diet and war: Insights from research at UGA (with K. Reinberger) (Nov)
- 2017 Bioarchaeological approaches to prehistory (Oct)
- 2017 Beer, wine, and bioarchaeology: Plant consumption in the past (Sep)
- 2017 Stable isotope analysis and diet reconstruction in bioarchaeology (Mar)
- 2017 Reconstructing Napoleonic soldier lifestyles (Feb)
- 2016 Studying diet and stress in Napoleon's army (Oct)
- 2016 Cultural origins: Origins and impacts of domestication (Oct)
- 2015 Isotope analysis and human migration: Strontium and oxygen (Nov)
- 2015 Models of clinal variation and evolution of human skin pigmentation (Oct)

## **RESEARCH EXPERIENCE**

### **Research Assistantships**

- Current Graduate Research Assistant, Stable Isotope Ecology Laboratory, Center for Applied Isotope Studies, UGA. Weighing and encapsulation of samples for SIA, preparation of EA-IRMS runs, Isodat data reduction, 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**

- 2017-2018 Initial dissertation bone collagen 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, 2018 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**

- 2018 Williams LJ, **Holder S.** Dayr al-Barsha Physical Remains. Reports prepared for Dayr al-Barsha Project, KU Leuven, Belgium.
- 2017 **Holder S.** A Zooarchaeological Study of Urbanization and Sanitation in 18<sup>th</sup> and 19<sup>th</sup> Century Charleston Houses. Report prepared for The Charleston Museum, Charleston, SC.
- 2017 Williams LJ, **Holder S.** Dayr al-Barsha Physical Remains. Reports prepared for Dayr al-Barsha Project, KU Leuven, Belgium.

### **SERVICE TO THE PROFESSION**

- 2016 Student volunteer, AAPA Annual Meeting (Apr)

### **SERVICE TO THE UNIVERSITY**

- 2018 Co-organizer, "Starting the Conversation: Women and the Field in the Social Sciences" Keynote and Roundtable Discussion (Apr)
- 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**

- 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-Present Undergraduate Mentor Program Coordinator, Undergraduate Mentor Program, Anthropology Graduate Student Organization
- 2015-Present Mentor, Undergraduate Mentor Program, Anthropology Graduate Student Organization. Students mentored: Elizabeth Raeside (2018), Katey Mari (2017-present), Janae Lunsford (2015-2017)

## **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**

- 2018 Face-to-face scicomm workshop, UGA (Oct)
- 2018 Safe space training, UGA (Oct)
- Fall 2018 Planning, presenting, and publishing research on teaching workshop, UGA
- Spring 2018 Sexual harassment workshop, UGA
- Spring 2018 On writing as an essential nutrient in the ecosystem of knowledge workshop, UGA
- Spring 2018 Weaving writing in: A writing-intensive course design bootcamp, UGA
- Spring 2018 Facilitating difficult conversations workshop, UGA
- Spring 2018 Choosing multiple choice webinar, UGA
- Fall 2017 Community-engaged research on the tenure-track: Integrating teaching and research, UGA
- Spring 2017 Training in facilitating MSFEs, UGA
- 2017-Present Certificate in Diversity & Inclusion, Institutional Diversity, UGA  
Certificate courses: Self-awareness & reflective practice for diversity & inclusion: Transforming our schema

Fall 2017 SciREN's lesson planning workshop, UGA  
Spring 2016 COD-WIN workshop for graduate student women scholars, AAPA

## **CREATIVE CONTRIBUTIONS**

- 2017 [The Writing Intensive Program Blog](#), English Department, 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  
Human Biology Association  
Society for American Archaeology

## **SKILLS**

### **Laboratory**

Osteological analysis of human and faunal remains; paleopathological analysis; stable isotope analysis sample preparation (bone, tooth, hair, nail, soil, plant, and water), data reduction, and interpretation

### **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)