

Carey J. Garland

Ph.D. Candidate

Department of Anthropology, University of Georgia

250A Baldwin Hall, Jackson Street, Athens, GA

30602 404.259.7565 | carey.garland@uga.edu

A. Professional Preparation

Georgia State University, Atlanta, GA, Anthropology (B.A. 2004)

Georgia State University, Atlanta, GA, Anthropology (M.A. 2014)

University of Georgia, Athens, GA, Anthropology (Ph.D. Present)

B. Appointments

2014-2018 Teaching Assistant, Department of Anthropology, University of Georgia

2016-2017 Research Assistant, Supervisor: Laurie Reitsema, University of Georgia

2012-2014 Teaching Assistant, Department of Anthropology, Georgia State University

C. Products

Presentations

- 2017** **Garland CJ**, Reitsema LJ. Childhood Diet and Stress on St. Catherines Island, GA, During the Early Colonial Period: An Individual-Level Life History Perspective from Individuals Interred at the Mortuary Site of Fallen Tree. Presentation at the Society for Georgia Archaeology's annual conference, October 14th
- 2017** **Garland CJ**, Reitsema LJ. Early Life Stress at the mission Santa Catalina de Guale: Combining Enamel Defects and Incremental Isotope Analysis of Dentine to Explore Nutrition as a Source of Stress. *American Journal of Physical Anthropology* **S148**: 67-67.
- 2017** **Garland CJ**, Reitsema LJ. Early Life Stress at the site of Fallen Tree: Combining Enamel Defects and Incremental Isotope Analysis of Dentine to Explore Nutrition as a Source of Stress. 82th annual meeting of the Society for American Archaeology.
- 2017** Chowning M, **Garland CJ**, Kyle B, Vassallo S, Reitsema, LJ. An Inside View: Childhood Stress at the Greek Colony of Hemera, *American Journal of Physical Anthropology* **S148**: 67-67.
- 2017** Holder S, Reitsema LJ, **Garland CJ**, Smith AK, Lunsford J, Kozlowski. 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* **S148**
- 2017** Chowning M, **Garland CJ**, Kyle B, Reitsema, LJ. An Inside View: Childhood Stress at the Greek Colony of Hemera. 23rd Annual University at Buffalo Undergraduate Research Conference, Niagara Falls event Center, NY.

- 2017** Chowning M, **Garland CJ**, Kyle B, Reitsema, LJ. An Inside View: Childhood Stress at the Greek Colony of Hemera. National Conference for Undergraduate Research, Memphis Tennessee.
- 2017** **Garland CJ**, Reitsema LJ. Chronologies of Early Life Stress: Comparing Dental Defects between Fallen Tree and SCDG. Proceedings of the 73rd Annual Southeastern Archaeological Conference **59**: 65-65
- 2016** **Garland CJ**, Turner BL, Klaus HD. Early life stress in Colonial Peru: Internal Enamel Micro-Defects and their Influence on Life History Trajectories. *American Journal of Physical Anthropology* **S159**: 151-151.
- 2015** **Garland CJ**, Turner BL, Klaus HD. Biocultural Consequences of Spanish Contact in the Lambayeque Valley of Northern Peru. Internal Enamel Micro-Defects as Indicators of Early Life Stress. Master's Thesis, Georgia State University, Atlanta, GA.
- 2014** Jones DS, **Garland CJ**, Turner BL, Klaus HD. Isotopic investigation of subsistence and the Lambayeque region of Northern Peru during the Spanish Contact Period. *American Journal of Physical Anthropology* **S153**: 153-153.
- 2014** **Garland CJ**. Greater Atlanta Archaeological Society, research blurb: Biocultural Consequences of Spanish Contact in the Lambayeque Region of Northern Peru: Internal Enamel Micro-defects as Indicators of Early Stress. *Atlanta Antiquity Newsletter* **2**: 8-10

Manuscripts and Reports

- 2015** **Garland CJ**, Turner BL, Klaus HD. 2015. Biocultural Consequences of Spanish Contact in the Lambayeque Valley of Northern Peru. Internal Enamel Micro-Defects as Indicators of Early Life Stress. *International Journal of Osteoarchaeology* **26**: 947–958 [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-1212/accepted](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-1212/accepted).
- 2017** **Garland CJ**, Reitsema LJ. (In Press) Childhood Diet and Stress on St. Catherines Island, GA, at the Brink of Spanish Colonization: An Individual-Level Life History Perspective from Individuals Interred at the Fallen Tree Mortuary Site. Manuscript submitted to *Early Georgia*. Submitted October 1, 2017.
- 2017** **Garland CJ**, Reitsema LJ. (Under Review) Early Life Stress at the Mission Santa Catalina de Guale: Combining Enamel Defects and Incremental Isotope Analysis of Dentin to Explore Nutrition as a Source of Stress. Submitted to *Bioarchaeology International*, January 2018.
- 2018** Gresham T, Reitsema LJ, **Garland CG**, et al. (In progress). Report on Old Athens Cemetery. (Citation still in progress).

D. Grants Received

- 2017** Sigma Xi Grant-in-Aid Awarded \$1000 for the project: “*Biocultural Dynamics of Early Spanish Contact on St. Catherines Island, GA: Bioarchaeological Perspectives from the sites of Fallen Tree and Santa Catalina.*”
- 2015** Society for Georgia Archaeology’s Student Research Grant. Awarded \$2000 for the project: “*Biocultural Dynamics of Early Spanish Contact on St. Catherines Island, GA: Bioarchaeological Perspectives from the sites of Fallen Tree and Santa Catalina.*”
- 2015** Joshua Laerm Academic Support Award: Georgia Museum of Natural History. Awarded \$1000 for the project: “*Biocultural Dynamics of Early Spanish Contact on St. Catherines Island, GA: Bioarchaeological Perspectives from the sites of Fallen Tree and Santa Catalina.*”

E. Laboratory and Field Research

Spring and Fall 2016 UGA Biochemistry Lab. Pilot Study on dissertation samples. “Biocultural Dynamics of Spanish Contact on St. Catherines Island, GA: Bioarchaeological Perspectives from the sites of Fallen Tree and Santa Catalina de Guale”

Spring 2016 Research Assistant for Baldwin Hall Burial Project. Inventoried, cleaned and sampled human skeletal material for DNA analysis.

Fall 2015 UGA Baldwin Hall. Assisted Southeastern Archaeological Services Inc. with the excavation of a 19th cemetery unearthed during a construction project on Baldwin Hall.

Fall 2015 UGA Biochemistry Lab. Pilot Study testing combined dental thin-sectioning and incremental analysis of teeth to reconstruct stress chronologies and early life dietary behaviors using donated human molars.

Summer 2015 UGA Biochemistry Lab. Isolated collagen from faunal remains for stable carbon and nitrogen isotopic analysis

Summer 2015 UGA Zooarchaeology Lab, The Georgia museum of Natural History. Sorted and inventoried faunal remains from the Mississippian period Irene Mound.

Summer 2015 UGA Zooarchaeology Lab, The Georgia Museum of Natural History. Sorted and curated cremated human remains from the Late Archaic period site McQueen Shell Ring, Saint Catherines Island, GA.

May 2015 Saint Catherines Island, Georgia. Continued excavation of a Guale Native American site under the Direction of the American Museum of Natural History, the University of Georgia, and Ohio State University.

January 2015 Saint Catherines Island, Georgia. Continued excavation of a Guale Native American site under the Direction of the American Museum of Natural History, the University of Georgia, and Ohio State University.

Fall 2014 UGA Biochemistry Lab. "The St. Catherines Island Isoscape, in Aid of Paleodiet and Paleoclimate Reconstructions." Prepared plant samples from Saint Catherines Island, Georgia for stable isotope analysis

November 2014 Saint Catherines Island, Georgia. Continued excavation of a Guale Native American site under the Direction of the American Museum of Natural History, the University of Georgia, and Ohio State University.

Summer 2014 UGA Biochemistry Lab. "Evidence for Diets of Elite Individuals of the *Rzeczpospolita Obojga Narodów* (Republic of Two Nations) from Stable Carbon and Nitrogen Isotope Analysis." Isolated collagen for stable isotopic analysis.

May 2014 Saint Catherines Island, Georgia. Assisted in the excavation of a Guale Native American site under the Direction of the American Museum of Natural History, the University of Georgia, and Ohio State University.

January 2014 Cusco, Peru - Pilot research project investigating pre-Inca migration and life histories in the Cusco region. Collected skeletal and dental samples from four different sites spanning from the Archaic to Formative Period: Kasapata, Ak'awillay, Yuthu, and Hatun Copuyoc. Samples will be processed for DNA and stable isotopic analysis.

2013 - 2014 Emory University Bioarchaeology Laboratory, Atlanta, GA. Conduct research on indigenous physiological stress as a result of European contact in the New World. Thin-sectioned dental samples for histological examination of internal enamel micro-defects.

2012 - 2014 Georgia State Bioarchaeology Laboratory, Atlanta, GA. Assisted in the research of two Contact Period sites in the Lambayeque Valley region of northern Peru: La Capilla Santa María Magdalena De Eten and La Capilla Del Nino Serranito. Prepared hundreds of skeletal and dental samples for multi-isotopic analysis (carbon, nitrogen and oxygen). Processed samples for bone collagen and carbonate isolation and enamel carbonate isolation, and created molds of dental remains for macro- and micro-wear analysis.

2012 - 2013 Georgia State University Dental Microwear Laboratory, Atlanta, GA. Conducted dental microwear analysis of extinct and extant primates and humans using low-magnification stereomicroscopy.

October 2012 Fort Daniel Archaeological Fieldwork, Hog Mountain, GA. Assisted in the excavation of a late 18th century and early 19th century military fort located in Hog Mountain, Georgia.

May 2004 Topper Site, University of South Carolina. Explored Clovis and pre-Clovis technology at the Savannah River Valley, Topper site in South Carolina. Expanded on training in archaeological excavation techniques and methods including artifact identification.

June 2004 Arizona Archaeology Society Phoenix, Arizona. Explored a Pueblo Indian establishment on the Q ranch near Young, Arizona. Expanded on training in archaeological excavation techniques and methods including artifact identification.

E. Guest Lectures

- 2018** Bioarchaeology: “Dental Histology and Enamel Micro-defects”
- 2016** Introduction to Anthropology: “Methods for Studying the Past”
- 2015** Introduction to Biological Anthropology: “Introduction to Bioarchaeology”
- 2015** Introduction to Biological Anthropology: “The Gracile and Robust Australopithecines”
- 2015** Introduction to Biological Anthropology: “Primate Taxonomies”
- 2015** Lab instructor for Introduction to Biological Anthropology
- 2014** Introduction to Biological Anthropology: “The Gracile Australopithecines”
- 2014** Lab instructor for Introduction to Biological Anthropology
- 2014** Human Evolution: “*Homo erectus* Craniofacial and Dental Morphology”
- 2014** Human Evolution, Instructor: Dr. Frank Williams
- 2013** Human Variation: “Sick of Poverty: The Link Between Social Inequality and Stress”

G. Workshops

- 2018** Workshop on Dental Histology: Georgia State University
- 2017** Workshop on Dental Histology: REU, University of Georgia
- 2017** Workshop on Photogrammetry: REU, University of Georgia
- 2016** Workshop on Dental Histology: REU, University of Georgia

H. Synergistic Activities, Service, and Outreach

- 2017** AGSO Mentoring Program. Mentored and trained undergraduate student Kay McKenna in dental histology, University of Georgia
- 2017** Curated remains unearthed from the Baldwin Hall Cemetery, Athens, GA
- 2016** Curated remains unearthed from the Baldwin Hall Cemetery, Athens, GA
- 2016** Mentored undergraduate student, Melissa Chowning, and led workshop on methods in dental histology; National Science Foundation Research Experiences for Undergraduates Site: Immersive Research in the Bioarchaeology of Greek Colonization, Sicily, Italy.
- 2015** Secretary, Anthropology Graduate Student Organization.
- 2014** Mentored undergraduate student in stable isotope preparation methods and applying for graduate school; Bioarchaeology and Biochemistry Laboratory, University of Georgia.
- 2013** Mentored and trained undergraduate students in stable isotope preparation; Biochemistry Laboratory, Georgia State University.

I. Professional References

Dr. Laurie Reitsema – Ph.D. Advisor Assistant Professor of Anthropology, University of Georgia 250 Baldwin Hall Athens, GA 30602 reitsema@uga.edu (706) 542-1548

Dr. Victor Thompson – Ph.D. Committee Member Associate Professor of Anthropology,
University of Georgia 250 Baldwin Hall Athens, GA 30602 vdthom@uga.edu (706) 542-1480

Susan Tanner - Ph.D. Committee Member Associate Professor of Anthropology, University of
Georgia 250 Baldwin Hall Athens, GA 30602 stanner1@uga.edu (706) 542-3085

Dr. Bethany Turner - MA Advisor and Thesis Committee Member
Assistant Professor of Anthropology, Georgia State University 33 Gilmer Street SE Sparks Hall
Atlanta, GA 30303 bturnerlivermore@gsu.edu (404) 413-5162