

**ANGELICA CARABALLO-SANTIAGO**

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**EDUCATION**

**University of California, Santa Barbara**, Santa Barbara, CA

Accepted into Anthropology Graduate program (MA/PhD) with Archaeology specialization (Fall 2023)

**University of Florida**, Gainesville, FL

**BSc**, *cum laude*, Major: Chemistry. Phi Beta Kappa. (December 2021)

**BA**, *summa cum laude*, Major: Anthropology. (December 2021)

Honors Thesis: "ZooMS Development in the Bone Chemistry Lab at the University of Florida: A Pilot Study"

Mentor: Dr. John Krigbaum

**BA**, *summa cum laude*, Major: Classical Studies. Specialization: Classical Civilization. (December 2021)

Honors Thesis: "Come, Tell Me How You Live: Death and Burial Ritual in the Classical World and Applications of Bioarchaeology to the Classics"

Mentor: Dr. Andrew Nichols

**RESEARCH INTERESTS**

Archaeological Chemistry, Human Ecology

Bioarchaeology, Mortuary Archaeology, Biomolecular Archaeology, Osteology

ZooMS (Zooarchaeology by Mass Spectrometry) Collagen Peptide Mass Fingerprinting

Isotopes, Proteomics, Genomics, aDNA

Time Periods of Interest: Complex societies, transition to complex societies

Research Questions: diet, health, population movement

**HONORS AND AWARDS**

UCSB Regents Fellowship, University of California Santa Barbara, 2023

Phi Beta Kappa Honors Society, University of Florida Chapter, 2021

Perry Hellenic Civilization Award for Excellence in Greek Studies, University of Florida, 2021

David C. Young Award for Excellence in Ancient Greek, University of Florida, 2021

Patricia S. Essenpreis Scholarship for Archaeological Field School, University of Florida, 2021

Lambda Alpha Anthropology Honors Society, University of Florida Chapter, 2021

President's Honor Roll, University of Florida, 2020

Golden Key Honors Society, University of Florida Chapter, 2018

Dean's List Recipient, University of Florida, 2017-2021

Florida Academic Scholars Award, Florida Bright Futures, 2017-2021

**RESEARCH EXPERIENCE**

**Laboratory Research Assistant, Bone Chemistry Lab**

December 2021-Present

*University of Florida, Department of Anthropology, Bone Chemistry Lab*

Currently collaborating on articles for publication on ZooMS identification of samples from prehistoric Croatia.

Prepared reagents, demineralized, gelatinized, digested with trypsin, and spotted samples to analyze for collagen peptide mass fingerprinting. Evaluated unknown samples from mass spectra to determine identification. Trained in operation of MALDI-TOF-MS.

**Undergraduate Research Assistant, Bone Chemistry Lab**

January-December 2021

*University of Florida, Department of Anthropology, Bone Chemistry Lab*

Advisor: Dr. John Krigbaum. Piloted a research project on ZooMS (Zooarchaeological Mass Spectrometry) and received *summa cum laude* distinction. Selected archaeological bone samples for the study and grounded, washed, and prepared the bone for chemical analysis. Prepared bone samples for stable isotope analysis. Analyzed mass spectra to obtain identification of archaeological samples.

**Undergraduate Chemistry Laboratory Assistant, Inorganic Chemistry** May 2018- March 2020

*University of Florida, Department of Chemistry, Inorganic Division, The Veige Research Group*

Assisted graduate students, synthesized catalysts, and performed experiments for research projects on organometallic synthesis and catalysis with trianionic pincer. Trained in operation of NMR, HPLC, and FTIR instruments, VAC gloveboxes, SECA solvent systems, and rotary evaporator (rotovap) use.

### **PUBLICATIONS**

*In progress, "Preliminary faunal and stable isotope analyses from a Lasinja-culture site in Lika, Croatia"*

Emily Zavodny, Tatjana Kolak, Jelena Jovic, Angelica Caraballo-Santiago, Lily Georgievski, and John Krigbaum

### **FIELDWORK EXPERIENCE**

**Montbrook Fossil Site**, Williston, Florida Spring 2023-Summer 2023

Participated in excavations of a late Miocene-early Pleistocene, Hemphillian North American Land Mammal Age site believed to be 5 to 5.5 million years old. Excavated and jacketed specimens in the field. In the laboratory, prepared specimens out of plaster jackets, screen wash, pick microfossils, and catalogued fossils.

**El Campanario Field School**, Huarney, Peru Summer 2022

Participated in excavations of Late Intermediate Period (1000-1400 AD) cemetery and adobe platforms. Excavated, analyzed, and logged disarticulated, fragmented, skeletal, and mummified remains of juveniles and adults, pottery, textiles, lithics, zooarchaeological remains, and bone objects. Laboratory work included artifact classification, botanical, pottery, textile, lithic, and osteological analysis, population demography, funerary rituals, and paleopathologies.

**Aditu Arkeologia Field School**, Orreaga-Roncesvalles, Spain Summer 2021

Participated in excavations at Silo of Charlemagne Cemetery. Excavated, analyzed, sorted, and inventoried disarticulated, fragmented, and complete human skeletal remains. Attended lectures on paleopathology, excavation methodology, human osteology, medieval archaeology, Basque archaeology, finds processing, MNI, biological profile, zooarchaeology, and stable isotopes.

### **PROFESSIONAL EXPERIENCE**

**Academic Peer Tutor and Supplemental Instruction (SI) Leader** August 2020-Present

*University of Florida Teaching Center*

Provided one-on-one and small group instruction to 20+ students in statistics and chemistry. Prepared lesson plans to meet goals identified in students' individualized study plans. Developed student confidence through attentive instruction, applying positive reinforcement strategies and administering positive feedback.

**Language Assistant** August 2018 – August 2023

*University of Florida English Language Institute*

Supported student learning objectives through personalized and small group assistance. Implemented language exercises and utilized repetition, enabling international students to grasp new language concepts quickly. Worked with these students and accompanied them on social and cultural activities to help them meet others in the US and to learn about US culture. Developed lesson plans and curriculum implementation using listening and speaking, which promoted quicker rollout and delivery.

**Museum Intern** August 2016 - January 2017

*Matheson Museum, Gainesville, FL*

Selected artifacts and wrote item descriptions for exhibitions. Scanned historic documents, newspapers, and books for the database. Coordinated museum tours to share museum exhibition expertise with the general public. Closely evaluated artifacts, documenting characteristics, measurements, and cultural importance of each piece.

### **LANGUAGES**

Spanish (Native Speaker); French, Ancient Greek (Reading Knowledge); Arabic, Korean, Modern Greek (Beginner)