

Emily Kracht  
Anthropology Graduate Student  
UC Santa Barbara  
Email: [ekracht@ucsb.edu](mailto:ekracht@ucsb.edu)

## **EDUCATION**

---

### **Fall 2022, Graduate Student in Anthropology at UC Santa Barbara**

Accepted into the Anthropology Graduate program (MA/PhD) within the Archaeology Department.

### **2021, Bachelor's Degree at University of Florida**

*Summa Cum Laude* in Anthropology (BA), *Cum Laude* in Chemistry, and a minor in Mass Communications.

Senior Thesis for Anthropology: *A Compositional Analysis of Bahamian and Caribbean Ceramics to Determine Provenance and Production Methods*

GPA: 3.71

## **INTERESTS**

---

Ceramics, island and coastal archaeology, Caribbean and Bahamian archaeology, archaeometry and material analysis, human-environment interactions, public/community outreach in archaeology

## **FIELD WORK EXPERIENCE**

---

### **December 2021, Archaeological Fieldwork in Perry, Florida**

Spent two weekends at the Spring-Warrior archaeological site outside Perry, Florida. Work includes surveying, digging shovel hole tests, identifying archaeological materials, and digging excavation units. Site dates to around Woodland Era.

### **Summer 2020, December 2020 Fieldwork Volunteer at Historic Spanish Point in Sarasota, Florida**

Sifting midden material, excavating, and shovel testing on a 30-acre site, as well as analyzing and sorting artifacts. Also participating in educational efforts and promoting public interest. Site occupation dating from archaic to present.

### **December 2019, Archaeological Fieldwork on Long Island, BAH**

Over the course of two weeks worked on excavations as well as some surveying of the surrounding areas. Work included digging, shovel tests, sieving, Munsell examinations, and profiling. Lab work and analysis was done concurrently with excavation on the island.

### **May 2019, Archaeological Fieldwork on Abaco, BAH**

Participated in the first archaeological work ever completed on Abaco over a nearly two-week period. Including surveying and shovel testing various locations on and surrounding the area. Also participated in educational outreach with local schools. Project funded by National Geographic.

## LAB WORK EXPERIENCE

---

### **Fall 2020-Spring 2021, Student researcher in the Environmental Toxicology Lab at the University of Florida**

Sample collection and preparation of water samples from Sweetwater Branch to determine the presence of pharmaceutical compounds using LC-MS. Project conducted as a part of Sustainable Ocean Alliance UF Project, and included a final report and presentation of results.

### **Summer 2020, Volunteer in the Ocean Acidification Lab at Mote Marine Laboratory and Aquarium in Sarasota, Florida**

Lab work and research including preparation and analysis of materials. Determining cell counts for the algae, including *Karenia Brevis*, in experimental settings. Conducting LC-MS and techniques in metabolomics to better understand ocean acidification processes and bacterial growth.

### **2019- 2021, Student researcher in Caribbean Archaeology at the Florida Museum of Natural History**

Sorting, organizing, and analyzing various artifacts in the Caribbean archaeology department. Conducting research and processing fieldwork materials.

### **2019- 2021, Student researcher in the Ceramic Technology Lab at the Florida Museum of Natural History**

Currently doing research using analytical chemistry methods including XRF, XRD, and laser ablation on pottery materials mainly in the Caribbean. Also utilizing preservation methods and working on public outreach within Gainesville.

## POSITIONS

---

### **2022, Archaeology Collections Assistant at the Florida Museum of Natural History**

Identifying, sorting, and scanning archaeological materials and related documentation in North Florida and Caribbean Archaeology and Bioarchaeology Collections. Hired as a part of a recently awarded NAGPRA grant aimed at building relationships with Native American communities and returning their cultural materials.

### **2021-2022, Collections Assistant in the Ceramic Technology Lab at the Florida Museum of Natural History**

Working with Caribbean and Bahamian ceramics collected over previous field seasons and in collections. Creating a digital database of collections as well as writing a manuscript on LA-ICP-MS conducted on a wide range of ceramics.

### **2021-2022, Lab Manager at the Durham Lab, University of Florida**

Developing methodologies in LCMS for metabolomics in a marine microbiology setting. Other duties include data processing, standard preparation, culture creation and transfer, material inventory/ordering, and mentoring undergraduate students.

### **2021, Student Assistant in Caribbean Archaeology at the Florida Museum of Natural History**

Sorting and packing archaeological materials including ceramics and *Codakia* shells. Additional research on LA-ICP-MS project of ceramics from the circum-Caribbean.

## AWARDS/HONORS

---

### **2022, National Science Foundation Graduate Research Fellowship Program (NSF GRFP)**

Accepted archaeology fellow into the NSF GRFP to conduct research on ceramics in the Caribbean and Bahamas at UC Santa Barbara. Five-year fellowship program that provides three years of financial support with no teaching requirements.

### **2022, Regents Award at UC Santa Barbara**

Competitive award received from the Anthropology Department at UCSB. Award includes two years of financial support via research stipend as well as four years of financial support via teaching-assistantships.

### **2020, Sustainable Ocean Alliance (SOA) 2020 Ocean Solutions Microgrant**

Applied to and awarded grant on behalf of the SOA University of Florida Chapter. Created and organized project for grant, which includes a water quality project and public outreach program.

Project Title: *Pharmaceutical Analysis of Sweetwater Wetlands*

### **2020, University Scholars Award (USP) at the University of Florida**

Award focused on funding student projects. Pottery across the Caribbean analyzed with analytical chemistry methods. Including XRF, XRD, and laser ablation methods. Special focus on Palmetto ware production in the Bahamas. Paper Title: *Using Analytical Chemistry Methods in Ceramic Analysis to Determine Provenance and Production of Pottery in the Caribbean Islands*

### **Fall of 2018, Fall of 2019, Fall of 2020, and Spring of 2020; University of Florida Dean's List Recognition**

Award in recognition of students with a semester GPA of 3.75 or greater.

### **2017-2021 Florida Academic Scholar Bright Futures**

Highest level of academic scholarship in Florida, covering the cost of tuition for degrees. Also includes a semester stipend for books.

## PUBLICATIONS/ PRESENTATIONS

---

Bloch, L., Kracht, E., Jaeger, J., Keegan, W. (**In Prep**). Palmetto Ware Pottery of the Lucayan Islands: Reverse Engineering a Novel Pottery Type..

Keegan, W., Steadman, D., LeFebvre, M., Wallis, N., Bloch, L., Albury, N., Franklin, J., Kracht, E. (**Submitted**). Archaeology of the Abaco Islands (The Bahamas) and Possible Pre-Columbian Contacts with Florida. *Journal of Field Archaeology*.

Keegan, W., Bloch, L., Kracht, E., Pateman, M. (**Submitted**). The Distribution of Nonlocal Pottery in Lucayan Archaeological Sites, Bahama Archipelago. *Journal of Caribbean Archaeology*.

Kracht, E., Bloch, L., Keegan, W. (2022). Production of Greater Antillean Pottery and its Exchange to the Lucayan Islands: A Compositional Study. *Journal of Archaeological Sciences: Reports* 43(2). DOI:10.1016/j.jasrep.2022.103469

**2021, Poster Presentation at the University of Florida Undergraduate Research Symposium at University of Florida**

Based on University Scholars Project on Caribbean Pottery Analysis

Bloch, L., Hosen, J., Keegan, W., Kracht, E., LeFebvre, M., Lopez, C., & Woodcock, R. (2021). Is It Better to Be Objectively Wrong or Subjectively Right? Testing the Accuracy and Consistency of the Munsell Capsure Spectrocolorimeter for Archaeological Applications. *Advances in Archaeological Practice*.

**COMMUNITY SERVICE**

---

**2019- 2021, Community Service and Research Director of UF Sustainable Ocean Alliance**

Founding board member in charge of community service events, such as organizing documentary showings, beach cleanups, as well as creating a “traveling suit-case” educational kit for local schools on climate science. Also leading a water quality survey in Gainesville.

**2020, Girls do Science Event, Florida Museum of Natural History**

A one-time event in February surrounding introducing young girls to science. Created an exhibit on behalf of the Ceramic Technology Lab and talked to kids and parents about ceramics and archaeology.

**2019-2020, Mentorship Program with UF Women Student Association,**

Worked as a mentor towards incoming freshman and UF students, including mentor-mentee events and guiding my mentee by answering questions about schedules, life on campus, and classes.

**2017, Chemistry Outreach Program**

Volunteered to teach chemistry and STEM to kindergarteners at local Gainesville elementary school, affiliated with the UF Chemistry Club.

**RELEVANT COURSEWORK**

---

**2017-2021, Coursework in Chemistry**

Coursework in Chemistry includes Advanced General Chemistry 1 And 2 with Advanced General Chemistry lab, Analytical Chemistry and Lab, Advanced Organic Chemistry 1, Advanced Organic Chemistry 2 and lab, Inorganic Chemistry, Instrumental Analysis and lab, Physical Chemistry: Thermodynamics and Kinetics, Physical Chemistry Lab, and Physical Chemistry: Chemical Bonding and Spectroscopy.

**2017-2021, Coursework in Anthropology**

Coursework in Anthropology includes Introduction to Biological Anthropology with lab, World Archaeology, North American Archaeology, Introduction to Forensic Sciences, Cultural Anthropology, Culture and

Medicine, Language and Culture, Anthropology of Religion, and Religion and Healing.

## **ADDITIONAL COURSEWORK**

---

**2021, Introduction to R Workshop by UF Carpentries Club**

**2020, Coursera Class Certificate in Archaeoastronomy**

**2020, Coursera Class Certificate in Introduction to GIS Mapping**

**2020, Coursera Class Certificate in GIS Data Acquisition and Map Design**

## **MEDIA**

---

**2022, Article on Greater Antillean Pottery Production: La ‘gente de las islas’ ya usaba el mar para comunicarse entre sí hace 7,000 años, revela un estudio in *National Geographic en Español***

[La gente de las islas usaba el mar como medio de transporte \(ngen espanol.com\)](http://ngen espanol.com)

**2022, Press Release on Greater Antillean Pottery Publication: Indigenous communities used the Caribbean Sea as an aquatic highway**

[Indigenous communities used the Caribbean Sea as an aquatic highway – Florida Museum Science \(ufl.edu\)](http://floridamuseum.ufl.edu)

**2022, Talking Taíno: Clear as mud: The origins of early pottery in the Lucayan Islands, Originally in *Times of the Islands***

[Clear as mud: The origins of early pottery in the Lucayan Islands – Florida Museum Science \(ufl.edu\)](http://floridamuseum.ufl.edu)

**2021, Press Release on Munsell Color Publication Press Release Title: Human eye beats machine in archaeological color identification test**

<https://www.floridamuseum.ufl.edu/science/human-beats-machine-in-color-test>

**2021, Volunteer Spotlight in Marie Selby Gardens Newsletter**

<https://www.flipsnack.com/campaignforselbygardens/the-sanctuary-september-december-2020.html>

**2020, Ceramic Technology Lab Blog Post: What Goes into Pottery Analysis**

<https://www.floridamuseum.ufl.edu/ceramiclab/blog/what-goes-into-pottery-analysis/>