INTERNSHIP OPPORUNTIIES IN ARCHAEOLOGY

2015-2016

**Dr.** [**Amber VanDerwarker**](http://www.anth.ucsb.edu/vanderwarkerlab/home) | HSSB 1038 | 893-4981 | vanderwarker@anth.ucsb.edu

Dr. VanDerwarker’s current research examines how chronic warfare affected peoples’ abilities to produce enough food to feed themselves and their communities in the Central Illinois River Valley during the 12th century, a period intensive warfare and raiding throughout ancient North America. We will be analyzing the food remains (plant remains and animal bones) from several sites as part of this project.

Through participation in this project students may develop many archaeological lab skills including:

* how to use a flotation system to recover macrobotanicals and small faunal remains
* how to recognize both faunal and floral remains
* taking metric measurements of carbonized plant remains via specialized computer/microscope software accessioning modern specimens in the comparative collection
* sorting small archaeological fauna from flotation samples by taxonomic class (fish, mammal, bird, amphibian, reptile).

For more information on enrollment and application instructions, please visit: <http://www.anth.ucsb.edu/vanderwarkerlab/student>

**Dr. Danielle Kurin** | HSSB 1002 | 893-4280 | dkurin@gmail.com

Bone Biochemistry Project: Students will engage in bone collagen and enamel apatitie extraction of archaeological human and animal bone. Samples will undergo carbon, nitrogen, and oxygen isotope analysis. These data will be used to reconstruct ancient patterns of diet and migration. Samples are from sites associated with prehistoric United States (Mississippian), the Pre-Incan Peruvian Andes, and pre-contact Burkina Faso.

Undergraduate Contribution: Undergraduates will engage in every part of the collagen and apatite extraction procedure.

Requirements:

* Fundamentals of Lab Safety and attendant EH&S safety courses. Previous experience working with collagen and apatite extraction.
* Experience in osteological and/or faunal analysis. Understanding of stable isotope analysis as it is used in forensic anthropology and bioarchaeology.

For more information on enrollment and application instructions, please contact Dr. Kurin directly.

**Dr. Gregory Wilson** | HSSB 1038 | 893-4194 | gdwilson@anth.ucsb.edu

Dr. Wilson’s project seeks to understand how chronic and intensified warfare affected peoples’ abilities to produce enough food to feed themselves and their communities. The region of interest is the Central Illinois River Valley during the 12th century, a period intensive warfare and raiding throughout ancient North America. One of the sites that the project is currently examining was once a large, fortified village (Orendorf Site) that was repeatedly burned to the ground by violent aggressors. The site was excavated in the 1970s, and we will be generating a number of maps of houses and temples as well as creating and editing graphs, tables, and artifact photos.

Through participation in this project students may develop many archaeological lab skills including:

* Learning to use Geographic Information Systems software
* Learning to use Adobe Photoshop
* Learning to Use Adobe Illustrator

For more information on enrollment and application instructions, please contact Dr. Wilson directly.

**Dr. Lynn Gamble** | HSSB 1059 | 893-7341 | gamble@anth.ucsb.edu

Dr. Gamble’s research focuses on California archaeology. Most recently she has been working on a site that is 9,000 years old on West Campus and at a large shell mound on Santa Cruz Island. She is interested in household archaeology, climate change and subsistence, feasting, ritual behavior, and origins of sociopolitical complexity among hunter-gatherers-fishers. Interns will learn practical laboratory skills processing materials recovered from recent field excavations. Interns have the opportunity to become proficient in identifying and differentiating artifact and material types, including stone tools, bone, shellfish, and groundstone. More advanced work will entail shellfish speciation and preliminary analysis of animal bones. Students may also have the opportunity to learn flotation, wet screening, cataloging, and more. A number of students who have worked in the California archaeology lab have been hired by archaeological firms conducting local archaeological work.

For more information on enrollment and application instructions, please contact Dr. Gamble directly.

**UCSB Repository** for Archaeological and Ethnographic Collections | 893-7098 | ucsbrepository@gmail.com

Our goal is to store collections for future use by archaeologists and other researchers. Each collection is curated for perpetuity- this means we are responsible for all of our collections until the end of time. It's our job to make sure our collections last this long. All fees received are used to keep the facility in good repair and ensure that our artifact collections and their associated documentation are stored according to current archival standards set out by National Park Service. Thus our mission is three-fold: (1) Receive and curate new archaeological collections (2) Provide researcher access to our collections, and (3) Perpetually upkeep and maintain our current collections.

Undergraduate research assistants will:

* Receive and process incoming archaeological collections.
* Upgrade older collections to meet modern day archival standards.
* Catalog, identify, and label artifacts.
* Photocopy materials, create labels, file folders, conduct inventories, etc.
* Assist with school tours (usually 4th–6th grades).

For more information on enrollment and application instructions, please contact Sarah Kerchusky at ucsbrepository@gmail.com.

The **Central Coast Information Center** (CCIC) | 893- 2474 | centralcoastinfo@gmail.com

The CCIC works closely with the California State Office of Historic Preservation to engage in public education and outreach related to the protection of California's rich cultural heritage. As part of these efforts, the CCIC collects and maintains information on archaeological and historical resources located in Santa Barbara and San Luis Obispo counties, integrates newly recorded resources into the California Historical Resources Inventory, and maintains a Geographic Information Systems (GIS) database of cultural resources.

Undergraduate students will develop experience in a variety of aspects of cultural resource management and historic preservation, including:

* Interpreting archaeological and historic site records and cultural resource management reports
* Integrating site and report data into the CCIC's cultural resource database
* Learning to use GIS software

For more information on enrollment and application instructions, please contact Jessika Smith or Brian Barbier at centralcoastinfo@gmail.com.