

INTERNSHIP OPPORTUNITIES IN ANTHROPOLOGY

Opportunities in Biological Anthropology

Dr. David W Lawson | HSSB 2055 | 893-4453 | dlawson@ucsb.edu

Dr. Lawson research's concerns the behavioral ecology of the human family and the application of evolutionary anthropology to questions of population health and international development. He conducts field research in rural Tanzania, and utilizes existing large-scale demographic and health surveys from around the world to study the evolution of family structure and its impact on wellbeing. Information on his research can be found here: davidwlawson.mystrikingly.com

There are occasional opportunities for undergraduate students to assist with:

- Conducting reviews of the literature.
- Developing survey materials for field research.
- Field data collection.
- Data analysis and report writing.

Dr Lawson generally requires a student to have already completed at least one course with him (e.g. Anth170 or Anth130), and achieved an A grade before a student can enroll. For further information contact Dr Lawson directly. More information can be found here: aea-lab.com

Dr. Amy Boddy | HSSB 2083 | boddy@anth.ucsb.edu

Dr. Boddy human biologist and evolutionary theorist with an interest in applying evolutionary and ecological theory to human health and disease. Her work uses a combination of comparative biology, genetics, and evolutionary theory. Her active research topics include (1) Comparative oncology and the evolution of cancer defenses across the tree of life; (2) Comparative biology of pregnancy and the placenta and (3) the transfer of fetal cells into the maternal body during pregnancy and pregnancy health outcomes.

More information on research interests can be found here:

<https://boddylab.com/research/>

There are occasional opportunities for undergraduate students. Students will have the opportunity to develop at least one of following skills:

- Learning how to conduct a comprehensive review of the literature.
- Use life history datasets to ask questions relevant to comparative health.
- Working in the biology lab learning various molecular biology techniques, such as isolating DNA from blood and amplifying genomic regions of DNA.

Individuals that have previously completed at least one course with Dr. Boddy (e.g. Anth171, Anth177, Anth150) are usually prioritized. For further information contact Dr. Boddy directly.

Dr. Michael Gurven | HSSB 2060 | gurven@anth.ucsb.edu

Dr. Gurven is a human biologist and evolutionary theorist with an interest in applying evolutionary and ecological theory to human health and disease.

Dr. Nic Thompson González | HSSB 2072 | natg@ucsb.edu

Dr. Thompson González is a primate behavioral ecologist whose research focuses on social environmental determinants of health and social behavioral strategies over the life course in non-human primates. Their work is highly translational to fields of human biology, public health, human behavioral ecology, psychology, and sociology. Dr. TG co-directs the Biobehavioral Health (BBH) Lab, located in BioEngineering rm 0202, alongside Dr. Amy Boddy, where they conduct assays to evaluate various biomarkers of physiological status and health, including stress, energetic condition, reproductive function, and immune activity.

There are opportunities for undergraduate students to assist in

- In the BBH lab, BioEngineering rm 0202, with sample preparation and immunoassays
- In the dry lab, HSSB rm 2059, with database entry, data preparation, analyses and visualization
- One-on-one with Dr. TG, HSSB rm 2072, with preparation of literature reviews

Dr. Thompson González prefers that interns have taken at least one of their classes specific to the type of internship of interest, i.e. Anth 126 for lab work or Anth 123MG for data analysis. For further information, please contact Dr. Thompson González directly.

Opportunities in Archaeology

Dr. Amber VanDerwarker | HSSB 1038 | vanderwarker@anth.ucsb.edu

Dr. VanDerwarker's current research examines how ancient foodways and agriculture intersect with issues such as gender, warfare, risk, inequality, environmental crisis, climate change, among others. She analyzes ancient plant and animal remains from contexts throughout the Americas, but especially Mesoamerica and the Eastern Woodlands of the United States.

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

- How to use a flotation system to recover macro botanicals and small faunal remains
- How to recognize both faunal and floral remains
- Standard practices in Macro Botany, Microbotany, and Zooarchaeology, including identification skills
- How to Take metric measurements of plant remains via specialized computer/microscope software accessioning modern specimens in the comparative collection
- How to photograph archaeological specimens
- Data Entry and Materials Curation

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

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 3 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. Stuart Tyson Smith | HSSB 1059 | 893-7887 | stsmith@anth.ucsb.edu

Sudanese Nubian archaeological projects at the ancient Egyptian fortress of Askut (c. 1850-1100 BC) and colonial settlement and cemetery at Tombos (c. 1450-600 BC) provide a focus for understanding culture entanglements and interaction between ancient Egypt and Nubia and the archaeology and social dynamics of small scale settlements and households in the second and first millennia BC. Ceramic analysis is central to both of these projects, providing critical information for establishing regional and site chronologies, tracing cultural identity and interaction, activities in different areas, subsistence and dietary preferences.

Undergraduate Contribution:

- Sorting and analysis of ceramics and other artifacts, including data entry and statistics.
- Archaeological illustration, including drawings of pottery and objects, plans and architectural renderings, and site maps, including computer aided renderings and reconstructions.
- Prerequisites: No prerequisites necessary, but desirable skills/experience include illustration and computer graphics, and statistics.

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

Dr. Anabel Ford | North Hall 1041 | 893-8191 | ford@ucsb.edu

Dr. Ford's project utilizes evidence of settlement patterns with archaeological collections to better understand the socio-environmental interactions at the ancient Maya center of El Pilar. Located on an ecotone dividing the coastal plain of Belize and well drained uplands of Guatemala, El Pilar is a densely settled monumental center. In synthesizing multiple lines of evidence, working with Dr. Ford will help shed light on how past residents utilized the forest garden to sustain local populations.

Undergraduates will have the opportunity to participate in the following tasks:

- Ceramic and lithic analysis
- Digital scholarship for education
- Artifact curation and explanation

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

The Central Coast Information Center (CCIC) | 893- 2474 | ccic@sbnature2.org

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 5 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 Brian Barbier at bbarbier@sbnature2.org or call 805-682-4711 ext. 141; CCIC Email: ccic@sbnature2.org
