

MALLORY A. MELTON

Pre-Columbian Studies

Dumbarton Oaks | Trustees for Harvard University, Washington, DC 20007

<http://www.mallorymelton.com>

meltonm01@doaks.org

EMPLOYMENT HISTORY

September 2022-present

- Fellow in Pre-Columbian Studies, Dumbarton Oaks, Washington, DC.

August 2021-June 2022

- Lecturer, Department of Anthropology, California State University, Northridge, Northridge, CA.

March-June 2022; June-August 2020, 2021

- Teaching Associate, Department of Anthropology, University of California, Santa Barbara, Santa Barbara, CA.

EDUCATION

Ph.D., Anthropology, *University of California, Santa Barbara*, 2022.

- *Dissertation Title:* Bringing an Early City Back to Life: Plant Foodways as Social Fields at the La Blanca Site (900-500 BCE), Pacific Coast of Guatemala
- *Committee Chair:* Dr. Amber M. VanDerwarker

M.A., Anthropology, *University of California, Santa Barbara*, 2016.

B.A. with Highest Distinction and Highest Honors, Archaeology & Anthropology, *The University of North Carolina at Chapel Hill*, 2014.

RESEARCH INTERESTS

- Archaeology of the Americas (Guatemala, Southeastern/Midwestern/Western U.S., Peru)
- Sociopolitical Changes and Daily Life, Middle-Range and Complex Societies
- Food Security, Urban Sustainability, Agricultural Systems, Culture Contact, Colonial Encounters
- Archaeobotanical Analysis (Macrobotanicals, Starch Grains, and Phytoliths); Bayesian Analysis of Radiocarbon Dates; Stable Isotope Analysis of Plants; Spatial Analysis; Quantitative Methods
- Accessible Anthropology for Participants with Disabilities

HONORS AND AWARDS

Nominee, Planning Committee, The National Academies of Sciences, Engineering, and Medicine, for Conversation Series “Leading Practices for Improving Accessibility and Inclusion in Field, Laboratory, and Computational Science,” 2021.

Nominee, Academic Senate Outstanding Teaching Assistant Award, UCSB, 2021.

Sigma Xi, Full Membership, 2020.

Winner, Dean’s Graduate Mentoring Award (for undergraduate mentoring; 3 award recipients across UCSB Social Sciences and Humanities), UCSB, 2019.

Nominee, Academic Senate Outstanding Teaching Assistant Award, UCSB, 2019.

Winner, Southeastern Archaeological Conference Student Paper Competition, 2016.

High Pass on Comprehensive Exams, UCSB, 2016.

Winner of Undergraduate Thesis Prize in Archaeology, UNC-Chapel Hill, 2014.

Highest Honors on Undergraduate Thesis in Archaeology, UNC-Chapel Hill, 2014.

Phi Beta Kappa, UNC-Chapel Hill, 2012.

Carolina Research Scholar Designation, UNC-Chapel Hill, 2012.

Ronald E. McNair Post-Baccalaureate Achievement Program Scholar, 2012.

Honors College, UNC-Chapel Hill, 2011.

College of Arts and Sciences Dean’s List, UNC-Chapel Hill, 2010-2014.

GRANTS AND FELLOWSHIPS

UCSB Doctoral Student Travel Grant (\$250), 2022.

Leal Anne Kerry Mertes Scholarship (UCSB Geography) (\$1,473), “Using Food Remains to Investigate Social Diversity and Inequality in Early Mesoamerican Cities on the Pacific Coast of Guatemala,” 2020.

UCSB Humanities and Social Sciences Research Grant (\$3,000), “Who Inhabited Early Mesoamerican Cities? Evaluating Geographic Origins of Urban Residents Using Strontium Analysis of Teeth, Soil, and Fauna from the La Blanca (900-500 BCE) and El Ujuxte (500 BCE-100 CE) Archaeological Sites, Pacific Coast, Guatemala,” 2020.

Society of Ethnobiology Student Conference Travel Award (\$600), 2020.

National Science Foundation Doctoral Dissertation Research Improvement Grant (\$25,158), “Social Inequality and Political Economy in the Formative Southern Maya Region, Guatemala (900 BCE-100 CE): A Paleoethnobotanical Study,” January 2020.

UCSB Anthropology Graduate Student Research Grant (\$1,100), “Collecting Plants, Assessing Collections: Pilot Investigations in Guatemala City to Support Future Dissertation Research at La Blanca and El Ujuxte, Guatemala,” 2018.

UCSB Anthropology Graduate Student Research Grant (\$1,021), “Investigating Botanical Foodways in the Central District of the La Blanca Site, La Blanca, Guatemala,” 2017.

Sacramento Archeological Society Scholarship (research grant) (\$500), “Building an Analytical Toolkit for Taxonomic Identification of Wood Remains from the Soconusco Region, Guatemala,” 2016.

UCSB Anthropology Graduate Student Research Grant (\$1,000), “Identifying Wood, Investigating Identities: A Pilot Study Comparing Fuel Selection between Households at a Middle Formative Period Urban Center, La Blanca, Guatemala,” 2016.

UCSB Anthropology Graduate Student Research Grant (\$4,200), “Reconstructing Soil Fertility and an Improved Chronology for Modeling Social and Climatic Changes in the Mississippian Period Central Illinois River Valley,” 2015.

UCSB Anthropology Department Conference Travel Grant (\$400), 2015.

UCSB Graduate Student Association Conference Travel Grant (\$200, annual recipient), 2014-2015.

National Science Foundation Graduate Research Fellowship (\$138,000 total value, 3 years of funding), 2014.

UCSB Doctoral Scholars Fellowship (\$70,100 total value, 5 years of funding), 2014.

UNC-Chapel Hill Frances L. Phillips Travel Scholarship (\$9,000), “Artifacts of Subsistence: Analyzing Long-Term Adaptations in Food Systems through the Lens of Colonial and Imperial Encounters in Ireland, Turkey, and Crete,” 2013.

UNC-Chapel Hill Office for Undergraduate Research Summer Undergraduate Research Fellowship (\$3,000), “Mapping the Mississippian Style Grid: Sourcing Sandstone Effigy Pipes of the Lower Mississippi Valley,” 2012.

Honors Carolina William W. and Ida W. Taylor and Lawrence and Carol Gellerstedt Mentored Research Fellowship (\$1,000), 2012.

UNC-Chapel Hill Office for Undergraduate Research Conference Travel Grant (\$150), 2011, 2013.

PUBLICATIONS

(+ = coauthored with undergraduate mentee)

MANUSCRIPTS IN SUBMISSION AND PREPARATION

In prep **Melton**, Mallory A. *Feeding an Incipient Urban Experiment: Preclassic Agroforestry on the Pacific Coast of Guatemala*. (academic book proposal to be submitted to University of Texas Press)

In prep **Melton**, Mallory A., Julia Guernsey, and Michael Love. Feeding Open-Mouthed Figurines at Middle Preclassic La Blanca (900-500 BCE), Pacific Coast of Guatemala. (article to be submitted to *Ancient Mesoamerica*)

- In prep **Melton**, Mallory A., Amber M. VanDerwarker, Richard J. George, Allison Gracer, and Douglas J. Kennett. Agricultural Strategies During Warfare and Drought: Metric and Stable Isotope Analysis of Maize Kernels in the Central Illinois River Valley. (article to be submitted to *American Antiquity*)
- In prep **Melton**, Mallory A., and Gregory D. Wilson. Complicating Connections Between Intensive Agriculture and Social Inequality: A Comparative Analysis of Oneota and Mississippian Maize Production. (article to be submitted to *American Antiquity*)
- In prep **Melton**, Mallory A. Oneota Plant Foodways in the Central Illinois River Valley: A View from the C.W. Cooper Site. (article to be submitted to *Midcontinental Journal of Archaeology*)

PEER-REVIEWED JOURNAL ARTICLES

- In press **Melton**, Mallory A., Aleksa K. Alaica, Matthew E. Biver, Luis Manuel González La Rosa, Gwyneth Gordon, Kelly J. Knudson, Amber M. VanDerwarker, and Justin Jennings. Reconstructing Middle Horizon Camelid Diets and Foddering Practices: Microbotanical and Isotope Analyses of Dental Remains from Quilcapampa, Peru. *Latin American Antiquity*. (article accepted June 2022)
- 2022 Biver, Matthew E., and Mallory A. **Melton**. Starch Granule Evidence for the Presence of Chuño at the Middle Horizon (A.D. 600-1000) Site Quilcapampa La Antigua, Sihuas Valley, Peru. *Journal of Archaeological Science: Reports* 45(3):103604. DOI: 10.1016/j.jasrep.2022.103604.
- 2020+ **Melton**, Mallory A., Matthew E. Biver, and Rita Panjarjian (+). Differentiating Chuño Blanco and Chuño Negro in Archaeological Samples Based on Metrics and Morphological Attributes. *Journal of Archaeological Science: Reports* 34:102650. DOI: 10.1016/j.jasrep.2020.102650.
- 2020 Nelson, Erin Stevens, Ashley Peles, and Mallory A. **Melton**. Foodways and Community at the Late Mississippian Site of Parchman Place. *Southeastern Archaeology* 39(1):29-50. DOI: 10.1080/0734578X.2019.1689740.
- 2018 **Melton**, Mallory A. Cropping in an Age of Captive Taking: Exploring Evidence for Uncertainty and Food Insecurity in the Seventeenth-Century North Carolina Piedmont. *American Antiquity* 83(2):204-223. DOI: 10.1017/aaq.2017.63.
- 2018 Wilson, Gregory D., Mallory A. **Melton**, and Amber M. VanDerwarker. Reassessing the Chronology of the Mississippian Central Illinois River Valley Using Bayesian Analysis. *Southeastern Archaeology* 37(1):22-38. DOI: 10.1080/0734578X.2017.1377510.

REFEREED BOOK CHAPTERS

- In press Nelson, Erin Stevens, Ashley Peles, and Mallory A. **Melton**. Foodways and Community at the Late Mississippian Site of Parchman Place. In *Ancient Foodways: Integrative Approaches to Understanding Subsistence and Society in the Past*, edited by C. Margaret Scarry, Benjamin S. Arbuckle, and Dale L. Hutchinson. University Press of Florida, Gainesville.

- 2021 Biwer, Matthew E., and Mallory A. **Melton**. Plant Use at Quilcapampa. In *Quilcapampa: A Wari Enclave in Southern Peru*, edited by Justin Jennings, Wily Yépez Álvarez, and Stefanie Bautista, pp. 307-349. University Press of Florida, Gainesville.

MONOGRAPHS

- 2020 **Melton**, Mallory A., Gregory D. Wilson, and Amber M. VanDerwarker. Spoon River Culture and Chronology. In *Orendorf Settlement D: A Burned Fortified Mississippian Town in the Central Illinois River Valley*, edited by Lawrence A. Conrad, Kjersti E. Emerson, Thomas E. Emerson, and Duane E. Esarey, pp. 119-128. Illinois State Archaeological Survey Research Report No. 50, University of Illinois, Champaign, Illinois.
- 2020 Wilson, Gregory D., and Mallory A. **Melton**. Features. In *Orendorf Settlement D: A Burned Fortified Mississippian Town in the Central Illinois River Valley*, edited by Lawrence A. Conrad, Kjersti E. Emerson, Thomas E. Emerson, and Duane E. Esarey, pp. 63-90. Illinois State Archaeological Survey Research Report No. 50, University of Illinois, Champaign, Illinois.

TECHNICAL REPORTS

- 2020+ **Melton**, Mallory A., Alexander Dorr (+), and Amber M. VanDerwarker. Analysis of Plant Remains from the 8GU114 and 8LI2 Sites. Submitted to Nancy White, University of South Florida. 19pp.
- 2020+ **Melton**, Mallory A., Matthew E. Biwer, and Ana Perez (+). Analysis of Microbotanical Remains in Camelid Dental Calculus from the Quilcapampa La Antigua Site. Submitted to Aleksa Alaica, University of Toronto. 14pp.
- 2018 VanDerwarker, Amber, Matthew Biwer, and Mallory **Melton**. Analysis of Plant Remains from the 31GH635 Site. Submitted to TRC Garrow & Associates. 12pp.
- 2017 VanDerwarker, Amber, Matthew Biwer, and Mallory **Melton**. Analysis of Plant Remains from the 31JK164 Site. Submitted to TRC Garrow & Associates. 14pp.
- 2016 **Melton**, Mallory A. Macrobotanical Remains from Hannek, a Kerma Period Nubian Settlement in Northern Sudan. Submitted to Jessika Akmenkalns, UCSB. 4pp.
- 2015 VanDerwarker, Amber, Matthew Biwer, Mallory **Melton**, and Jenna Santy. Analysis of Plant Remains from the McCoy Bridge Site. Submitted to TRC Garrow & Associates. 27pp.
- 2014 Kassabaum, Megan C., Vincas P. Steponaitis, and Mallory A. **Melton**. Mississippi Mound Trail, Southern Region: Phase 2 Investigations. Submitted to the Mississippi Department of Archives and History, on file at the Research Laboratories of Archaeology, UNC-Chapel Hill. 243 pp.
- 2013 **Melton**, Mallory A. Analysis and Interpretation of Macrobotanical Remains Recovered from Parchman Place (22CO511). Submitted to Erin Nelson, and to C. Margaret Scarry as partial fulfillment of course requirements. 78pp.

OTHER RESEARCH PAPERS

- 2017 Cropping in an Age of Captive Taking: Exploring Evidence for Uncertainty and Food Insecurity in the Seventeenth-Century North Carolina Piedmont. University of California, Santa Barbara. Data Paper on File.
- 2014 Foodways in Transition: Plant Use and Community at the Wall (31Or11) and Jenrette (31Or231a) Sites, Hillsborough, North Carolina. University of North Carolina, Chapel Hill, Honors Thesis on File.

CONFERENCE PARTICIPATION

(* = student paper competition winner)

SESSIONS ORGANIZED & CHAIRED

- 2018 Rich Land, Poor Land: Using Stable Isotopes to Explore Ancient Farming and Herding Practices. 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C. (with co-chair Amber VanDerwarker)
- 2017 Beyond Contact: Exploring the Lived Histories of Cross-Cultural Encounters. 74th Annual Meeting of the Southeastern Archaeological Conference, Tulsa, OK. (with co-chair Christina M. Friberg and discussant Cameron Wesson)
- 2015 Archaeology and Ethnobiology. 38th Annual Meeting of the Society of Ethnobiology, Santa Barbara, CA.

DISCUSSANT

- 2022 Confronting Ableism In Archaeology: Inviting Disability Expertise To The Table. Forum at the 87th Annual Meeting of the Society for American Archaeology, Chicago, IL.

ORAL PRESENTATIONS

- 2021 New Insights into Ancient Potato Detoxification: Distinguishing Chuño Type in Modern and Archaeological Starch Granules. Paper presented at the 43rd Annual Society of Ethnobiology Conference, Held Virtually.
- 2019 A Mississippian Ash Heap at Parchman Place. Paper presented at the 40th Annual Mid-South Archaeological Conference, Clarksdale, MS. (with Erin Nelson and Ashley Peles)
- 2019 New Starch Grain Results and a Synthetic Approach to Foodways at Quilcapampa La Antigua. Paper presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM. (with Matthew E. Biber)
- 2018 Towards a Social Paleoethnobotany of Urbanization: Integrating Macrobotanical and Microbotanical Data to Explore Foodways at La Blanca, Guatemala. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C.

- 2018 Farming, Warfare, Drought, and Soil Fertility in the Mississippian Central Illinois River Valley: Carbon and Nitrogen Isotopes on Maize Kernels from Five Sites Spanning Two Centuries. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C. (with Amber M. VanDerwarker and Gregory D. Wilson)
- 2017 Intensification Reconsidered: A Comparative Analysis of Oneota Maize Production. Paper presented at the 74th Annual Southeastern Archaeological Conference, Tulsa, OK.
- 2017 Foodways and Community at the Late Mississippian Site of Parchman Place. Paper presented at the Ancient Foodways: Integrative Approaches to Understanding Subsistence and Society in the Past Conference, University of North Carolina, Chapel Hill, NC. (with Erin Nelson and Ashley Peles)
- 2017 Hunting, Farming, Fishing, and Gathering: The Reorganization of Foodways during the Early-Middle Mississippian Transition of the Central Illinois River Valley. Paper presented at the Ancient Foodways: Integrative Approaches to Understanding Subsistence and Society in the Past Conference, University of North Carolina, Chapel Hill, NC. (with Amber M. VanDerwarker, Gregory D. Wilson, Steve Kuehn, and Dana N. Bardolph)
- 2016* A Precautionary Tale: European Encounters, Uncertainty, and Food Security in the Seventeenth-Century North Carolina Piedmont. Paper presented at the 73rd Annual Southeastern Archaeological Conference, Athens, GA.
- 2015 A Test of Time: Bayesian Analysis and Ceramic Seriation in the Mississippian Central Illinois River Valley. Paper presented at the 59th Annual Midwest Archaeological Conference, Milwaukee, WI. (with Gregory D. Wilson)
- 2015 Is the Grass Always Greener?: Examining the Long-Term Impacts of Migration on Subsistence Strategies among Native American Newcomers to the Protohistoric North Carolina Piedmont. Paper presented at the 38th Annual Meeting of the Society of Ethnobiology, Santa Barbara, CA.
- 2015 Communal Food Processing and Culture Contact: An Analysis of Plant Foods and Architecture in the Protohistoric North Carolina Piedmont. Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, CA.
- 2014 An Overview of Mississippi Mound Trail Excavations in the Natchez Bluffs. Paper presented at the 72nd Annual Southeastern Archaeological Conference, Greenville, SC. (with Vincas P. Steponaitis, Megan Kassabaum, David Cranford, and Ashley Peles)
- 2014 Foodways in the Yazoo: Integrating Faunal and Floral Analyses at Parchman Place. Paper presented at the 37th Annual Meeting of the Society of Ethnobiology, Cherokee, NC. (with Ashley Peles and Erin Nelson)
- 2014 Mississippi Mound Trail Excavations in the Natchez Bluffs: Some Preliminary Results. Paper presented at the Annual Meeting of the Mississippi Archaeological Association, Jackson, MS. (with Vincas P. Steponaitis, Megan Kassabaum, and John O'Hear)

- 2014 Integrating Faunal, Botanical, and Ceramic Evidence from Parchman Place. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, TX. (with Ashley Peles and Erin Nelson)
- 2013 Foodways in the Delta: Incorporating Faunal, Botanical, and Ceramic Evidence from Parchman Place. Paper presented at the 71st Annual Southeastern Archaeological Conference, Tampa, FL. (with Erin Nelson and Ashley Peles)
- 2013 Revisiting Subsistence Strategies and ‘European Influence’ in the North Carolina Piedmont. Paper presented at the University of Buffalo McNair Scholars Program Research Conference, Buffalo, NY.
- 2012 Catawba Pipe Assemblages: Lenses into Catawba Coalescence Practices of the 18th and 19th Centuries. Paper presented at the UNC Celebration for Undergraduate Research Symposium, Chapel Hill, NC.
- 2011 The Far Side of the Spectrum: Information Literacy in Online Social Spaces and Multimedia Composition. Paper presented at the Georgia International Conference on Information Literacy, Savannah, GA. (with Daniel Anderson, Ian Helfrich, and Sydney Stegall)

POSTERS

- 2013 Sourcing Sandstone Effigy Pipes of the Lower Mississippi Valley. Poster presented at the 71st Annual Southeastern Archaeological Conference, Tampa, FL. (with Vincas P. Steponaitis)
- 2013 Revisiting Subsistence Strategies and ‘European Influence’ in the North Carolina Piedmont. Poster presented at the University of North Carolina McNair Scholars Program Research Symposium, Chapel Hill, NC.
- 2013 Sourcing Sandstone Effigy Pipes of the Lower Mississippi Valley. Poster presented at the UNC Celebration for Undergraduate Research Symposium, Chapel Hill, NC.

INVITED LECTURES

- 2022 Disability Accommodations in Experiential Settings: Obligations and Best Practices from the Classroom to the Wilderness. Presented to the UCSB faculty and organized by UCSB Environmental Health and Safety. Santa Barbara, California.
- 2022 Accommodating Researchers with Disabilities in Field Settings. Presented for the University of California Field Safety Retreat. Lake Arrowhead, California.
- 2020 Adapting Archaeological Fieldwork to COVID-19 Restrictions: Lessons Learned from Dissertation Research in Southern Guatemala. Presented for the UCSB Research in Conditions of COVID Symposium. Santa Barbara, California.
- 2020 Recent Projects Revolutionizing Starch Grain Research in the Andes. Presented for the UCSB Archaeology Brown Bag Series. Santa Barbara, California.

- 2019 Disability Accommodations in the Field. Presented for the UCSB FieldWorkshop: Tools for Navigating Fieldwork Challenges. Santa Barbara, California.
- 2019 Analysis of Microbotanical Remains from Quilcapampa La Antigua: Preliminary Results. Presented for the UCSB Archaeology Brown Bag Series. Santa Barbara, California. (with Matthew E. Biver)
- 2019 Exploring Social Inequality and Daily Life at Two Urban Centers in the Formative Southern Maya Region, Guatemala (900 BCE-100 CE). Presented for the UCSB Graduate Preview Weekend Speaker Series. Santa Barbara, California.
- 2017 Recent Excavations and Botanical Investigations at La Blanca. Presented for the UCSB Anthropology Colloquium. Santa Barbara, California.
- 2016 Identification of Carbonized Wood Remains from a Middle Formative Period Urban Center, La Blanca, Guatemala. Presented to the Sacramento Archaeological Society. Carmichael, California.
- 2016 Food Insecurity at the Fringes: Reconsidering Contact and Coalescence in the Early Colonial Period North Carolina Piedmont. Presented for the UCSB Anthropology Colloquium. Santa Barbara, California.

TEACHING EXPERIENCE

COURSES TAUGHT

California State University, Northridge, Department of Anthropology

- ANTH 108: Latin American Cultures (65 students, lower division, remote)
 - Spring 2022 – Semester
- ANTH 307: Anthropology of Native California and the Southwest (50 students, upper div., remote)
 - Spring 2022 – Semester
- ANTH 308: Gender and Culture (65 students, upper division, remote)
 - Fall 2021 – Semester
- ANTH 351: Anthropology of Middle America (45 students, upper division, remote)
 - Fall 2021 – Semester

University of California, Santa Barbara, Department of Anthropology

- ANTH 197 EB/ENVS 193 EB: Ethnobotany (60 students, upper division, remote)
 - Spring 2022 – Quarter
- ANTH 3SS: Introduction to Archaeology (60 students, lower division, major requirement, remote)
 - Summer Session A 2020, 2021

OTHER TEACHING EXPERIENCE

Social Sciences Educational Facilitator, Summer Teaching Institute for Associates, UCSB (April-Sept. 2021)

Teaching Assistant, UCSB Department of Anthropology

- ANTH 197BA: Biblical Archaeology (Spring 2020)

- ANTH 7: Introduction to Biosocial Anthropology – Lead TA (Winter 2020)
- ANTH 133: Cultural Development in Mesoamerica (Fall 2019)
- ANTH 5: Introduction to Biological Anthropology (Spring 2019)
- ANTH 2: Introduction to Cultural Anthropology (Fall 2018, Winter 2019)
- ANTH 3: Introduction to Archaeology (Summer 2017, Summer 2018)

Professional Workshops Organized & Led

- Creating Accessible Learning Spaces Series. For the Summer Teaching Institute for Associates. UCSB.
 - Part I: For Students with Disabilities. (May 21, 2021; July 9, 2021)
 - Part II: For Students with Commonly Encountered Learning Challenges. (May 28, 2021; July 16, 2021)
 - Part III: For Students with Socioeconomic, Racial, or Cultural Barriers to Education (June 4, 2021; July 23, 2021)
- Designing a Weekly Pattern. For the Summer Teaching Institute for Associates. UCSB. (May 10, 2021; June 25, 2021)
- CV & Resume Writing for Anthropology Undergraduates. For the UCSB Undergraduate Anthropology Association. UCSB. (May 20, 2019)
- FieldWorkshop: Tools for Navigating Fieldwork Challenges. Co-organized with Amy Anderson and Ronnie Steinitz. UCSB. (May 17, 2019)
- Current Practices for Collecting Starch Grain and Phytolith Samples. UCSB Integrative Subsistence Laboratory. (April 24, 2019)
- Microbotanical Analysis: Collection, Extraction, Identification, and Beyond. UCSB Integrative Subsistence Laboratory. (July 16-17 & 20, 2018)

Guest Lectures

- Dickinson College
 - Studying Risk, Uncertainty, and Food Insecurity Using the Archaeological Record. Environmental Archaeology (undergraduate course). April 11, 2022. (1 lecture)
- Cornell University
 - Archaeological Applications of Starch and Phytolith Analysis. Paleoethnobotany (undergraduate course). March 14, 2022. (1 lecture)
- California State University, Northridge
 - Paleoethnobotanical Analysis. Introduction to Archaeology (undergraduate course). March 5, 2019. (1 lecture)
- University of California, Santa Barbara
 - Introduction to Archaeology (3), Ancient Food Production (4), Anthropology of Food (2), Cultural Development in Mesoamerica (2), Lab Course in Paleoethnobotany (1) (undergraduate courses) and Advanced Methods in Archaeology (2) (graduate course). 2017-2021. (14 lectures in total)
 - Topics related to:
 - Food insecurity, risk and uncertainty, cross-cultural encounters, slave raiding, paleoethnobotanical analysis, Southeastern North America
 - Urbanism, urbanization, ancient cities, Formative Southern Maya Region
 - Bayesian analysis, integrating ceramic and ¹⁴C chronologies

- Microbotanical analysis: procedures and applications
- Food, identity, and diaspora

Reader, UCSB Department of Anthropology

- ANTH 197: Preparing Undergraduates for Graduate School and the Job Market. (Spring 2021)
- ANTH 9: Methods in the Human Behavioral Sciences. (Spring 2018)
- ANTH 194P: Entering the Work Force with an Anthropology Degree. (Spring 2018)

TEACHING CERTIFICATIONS

Summer Teaching Institute for Associates, <i>Instructional Dev.</i> , University of California, Santa Barbara	2020
Preparing to Teach Online, <i>Instructional Development</i> , University of California, Santa Barbara	2020
Pillars of Teaching Assistantship, <i>Instructional Development</i> , University of California, Santa Barbara	2019

UNIVERSITY-APPROVED FIELDWORK PROPOSALS DURING COVID-19 PANDEMIC

Oct. 2020 “Archaeological Plant & Stable Isotope Sample Collection in Guatemala City, Guatemala: A COVID-19 Contingency Plan.” Proposal approved by UCSB Building Committee, Off-Site Research Committee, Associate Dean of Graduate Division, and Dean of Soc. Sciences.

FIELD EXPERIENCE

(* = fieldwork during COVID-19 pandemic)

Principal Investigator, La Blanca & El Ujuxte Subsistence Project* *October 2020-June 2022*

Remotely led a team of three Guatemalan researchers to collect microbotanical, macrobotanical, and stable isotope samples from human teeth, artifacts, and soils recovered during excavations of the Middle to Late Formative urban centers of La Blanca and El Ujuxte, Pacific Coast, Guatemala. Developed sample collection protocols in Spanish and English in both written and video formats. Communicated daily in Spanish with project personnel to ensure that research methods are ethical, safe, and control for contamination, with preparedness measures in place to adjust to any barriers in access to healthcare or curation facilities. Managed \$24,433 in grants from various funding institutions.

Archaeobotany Director, La Blanca Project *January 2016-present*

Developed protocols for excavating and processing macrobotanical and microbotanical remains, supervised flotation, and extracted residues from ceramics and grinding tools for starch grain and phytolith analysis at the Middle Formative urban center of La Blanca in La Blanca, San Marcos, Guatemala.

Field Supervisor, La Blanca Project *January-April 2016 & 2017, July 2017*

Directed by Michael Love. Trained students affiliated with California State University Northridge, the Universidad de San Carlos de Guatemala, the Universidad del Valle de Guatemala, and the Universidad Nacional Autónoma de México in survey, excavation, flotation, and microbotanical recovery. Supervised excavation of house and plaza floors, burials, and midden contexts at the Middle Formative urban center of La Blanca in La Blanca, San Marcos, Guatemala.

Field Supervisor, Audrey Site Archaeological Project*June-August 2016*

Directed by Christina Friberg. Excavated Mississippian houses and pits at the Audrey site in Eldred, IL.

Field Archaeologist, El Montón Project*September 2015*

Directed by Lynn Gamble. Excavated house depressions created by hunter-gatherer-fishers on a shell mound at the SCRI-333 site on Santa Cruz Island, California.

Field Archaeologist, Emerald Acropolis Project*June-July 2015*

Directed by Timothy Pauketat and Susan Alt. Excavated Mississippian houses and house floor features at the Emerald site in Lebanon, IL.

Trench Assistant, Azoria Project*June-July 2014*

Directed by Donald Haggis. Excavated Early Iron Age and Archaic houses at the Azoria site in Kavousi, Crete.

Field Supervisor, UNC-Chapel Hill Field School/Mississippi Mound Trail Project*May-June 2013*

Directed by Vincas Steponaitis. Supervised students in excavations of eight pre-Columbian mound sites, including pit features and architectural remains, in southwest Mississippi.

Field Supervisor, UNC-Chapel Hill Field School*May-June 2012*

Directed by Vincas Steponaitis. Guided students in excavations of moundfill, pit features, freestanding posts, and a filled borrow pit at the Late Woodland period Feltus site in Natchez, Mississippi.

UNC-Chapel Hill Field School*May-June 2011*

Directed by R. P. Stephen Davis, Jr. and Brett H. Riggs. Excavation of houses and associated pit features at a Historic Catawba site and test excavations at a probable Historic Catawba site near Fort Mill, South Carolina.

LABORATORY EXPERIENCESUPERVISORY

Supervising/Training Undergraduate & Graduate Lab Assistants at UCSB in archaeobotanical methods and spatial analysis, specifically editing/georeferencing feature photos, rough-sorting macrobotanical samples, finding comparative plant material, accessioning specimens into the wood/macrobotanical/microbotanical comparative collections, wet lab skills/chemical handling, and collecting/extracting/identifying starch grains and phytoliths. September 2016-August 2021.

- **19 undergraduate interns and three visiting graduate students mentored over a six-year period**, including women, LGBTQ+ students, racial and ethnic minority students, students with disabilities, first-generation students, and transfer students.

Project Director for Dissertation Project. Training students of the University of California Santa Barbara and California State University Northridge in rough-sorting flotation samples and data entry; editing/georeferencing feature photos using ArcGIS; collecting residue for starch grain and phytolith processing from food preparation equipment; extracting starch grains and phytoliths from collected residues; preparing slides for phytolith and starch grain identification. September 2016-June 2022.

Graduate Student Mentor, Sally Casanova Scholar Araceli Robles (CSU Fullerton). Summer 2018.

Project Director for the Oneota-Mississippian Interactions Project. Conducting analysis of macrobotanical remains from 1982-1983 and 2013 excavations of the Bold Counselor component of the C.W. Cooper site, Central Illinois River Valley. 2015-2017.

Supervising/Training Undergraduate Lab Assistants at UNC-Chapel Hill in artifact processing, cataloging, and ceramic analysis for eight sites excavated as part of the Mississippi Mound Trail Project. June 2013-October 2014.

Laboratory Director for the UNC-Chapel Hill Field School/Mississippi Mound Trail Project. Managed processing, sorting, and cataloging of all artifacts, flotation samples, and zooarchaeological remains recovered during excavations of eight pre-Columbian mound sites in southwest Mississippi. May-June 2013.

TECHNICAL

Starch Grain and Phytolith Analysis of dental calculus and residues on teeth of enslaved individuals buried in Nashville, Tennessee (Grassmere Plantation). Collaboration with Tiffany Tung. Funded by the Wenner-Gren Foundation. Analysis on hold due to COVID-19.

Starch Grain Analysis of carbonized residues on ceramic cooking pots from two early nineteenth-century adobe residences in San Diego, California (Silvas and Bandini residences). Fall 2018-Summer 2022.

Starch Grain and Phytolith Analysis of dental calculus on camelid teeth from a Middle Horizon settlement in the Sihuas Valley, Peru (Quilcapampa La Antigua site). Spring 2019-Winter 2019. (see technical reports above)

ArcGIS Report and Resource Mapping, Quality Control, Database Management, Merging, and Records Search Processing for UCSB Central Coast Information Center. Summer 2018-Spring 2020.

Starch Grain and Phytolith Analysis of residues on ceramics and grinding equipment from a Middle Horizon settlement in the Sihuas Valley, Peru (Quilcapampa La Antigua site). Winter 2017-Fall 2018.

Macrobotanical Analysis for TRC Garrow & Associates, of Middle Woodland and Middle Qualla phase domestic contexts in Graham County, North Carolina (31GH635 site). Winter 2018. (see technical reports above)

Macrobotanical Analysis for Nancy White, USF, of Lamar period components of two settlements in northwestern Florida (Lighthouse Bayou and Yon Mound/Village sites). Fall 2017-Winter 2020. (see technical reports above)

Macrobotanical Analysis for TRC Garrow & Associates, of Middle Archaic through early Late Qualla phase domestic contexts in Macon County, North Carolina (31JK164 site). Spring-Fall 2017. (see technical reports above)

Morphological Analysis of avocado pits and rinds from an Archaic period rock shelter in southern Honduras (El Gigante site). Research Assistant to the El Gigante Avocado Domestication Project directed by Amber VanDerwarker. Fall 2016-Spring 2017.

Macrobotanical Analysis for Jessika Akmenkalns (NSF DDRI), of a Kerma period Nubian settlement in northern Sudan (Hannek site). Summer 2016. (see technical reports above)

Macrobotanical, Starch Grain, and Phytolith Analysis of a Middle Formative period urban center in the Soconusco region, Guatemala (La Blanca site). January 2016-June 2022.

Bayesian Analysis of radiocarbon dates from Mississippian settlements in the Central Illinois River Valley, Illinois. Fall 2015-Winter 2016.

Macrobotanical Analysis of a Mississippian settlement in the Central Illinois River Valley, Illinois (C.W. Cooper site). Research Assistant to the NSF-funded Living with Warfare Project directed by Amber VanDerwarker and Gregory Wilson. Fall-Winter 2015.

Stable Isotope Pretreatment of maize kernels from Mississippian settlements in the Central Illinois River Valley sent off for ^{13}C and $^{15}\text{N}/^{14}\text{N}$ analysis. Winter 2015.

Macrobotanical Analysis for TRC Garrow & Associates, of Middle Qualla and Late Qualla phase domestic contexts in Macon County, North Carolina (McCoy Bridge site). Summer-Fall 2015. (see technical reports above)

Macrobotanical Analysis of the Bold Counselor phase component of a settlement in the Central Illinois River Valley, Illinois (C.W. Cooper site). Fall 2014-Fall 2015.

Laboratory Assistant, UCSB Integrative Subsistence Laboratory. Fall 2014-June 2022.

Macrobotanical Analysis of an Early Iron Age and Archaic settlement in Kavousi, Crete (Azoria site). Assistant to C. Margaret Scarry. Summer 2014.

Macrobotanical Analysis of a seventeenth-century settlement in Hillsborough, North Carolina (Jenrette site). Fall 2013-Spring 2014.

Macrobotanical Analysis of a Late Woodland period settlement in Hillsborough, North Carolina (Wall site). Fall 2013-Spring 2014.

Research Assistant, Research Laboratories of Archaeology, UNC-Chapel Hill. June 2013-October 2014.

Research Assistant, Mississippi Mound Trail Project, Mississippi Department of Archives and History. June 2013-October 2014. Produced maps, tables, and figures for the final report. (see technical reports above)

Macrobotanical Analysis of a Mississippian settlement in Coahoma County, Mississippi (Parchman site). Spring 2013.

Sandstone Analysis of Mississippian effigy pipes from the Lower Mississippi Valley. Summer 2012.

Ceramic Analysis of Catawba tobacco pipes from eighteenth- and nineteenth-century sites in South Carolina (Nassaw-Weyapee, Charraw Town, Old Town, Ayers Town, and New Town). Fall 2011.

POPULAR MEDIA ATTENTION

UCSB Current (January 2021) discusses research on developing new criteria for identifying chuño production and potato detoxification in archaeological starches following publication of a co-authored article in *Journal of Archaeological Science: Reports*. (<https://www.news.ucsb.edu/2021/020140/microscopic-map-past>)

That Anthro Podcast (December 2020) personal profile of research, outreach, and mentoring experiences. (<https://podcasts.apple.com/us/podcast/that-anthro-podcast/id1518833495>)

UCSB GradPost (July 2019) spotlights research and mentoring experiences of the university's six graduate mentoring award winners for exceptional service in undergraduate mentoring. (<https://www.gradpost.ucsb.edu/top-stories/top-stories-article/2019/07/23/meet-the-winners-of-the-2019-graduate-mentoring-awards>)

UCSB Current (May 2018) features archaeobotanical research on colonial-period changes in foodways in the NC Piedmont following publication of a single-authored article in *American Antiquity*. (<http://www.news.ucsb.edu/2018/018946/scholars-distinction>)

PROFESSIONAL WORKSHOPS ATTENDED

- Boston University Charcoal Identification Workshop (led by John M. Marston), Summer 2016
- Collagen and Apatite Extraction from Bones and Teeth for Strontium Isotope Analysis (led by Danielle Kurin), Summer 2015

SYNERGISTIC ACTIVITIES

SERVICE TO THE PROFESSION

Access

Founding Committee, Disabled Archaeologists Network, 2021-2022.

Referee

The Global Undergraduate Awards, Anthropology & Culture Studies Division, Judging Panelist
American Antiquity – 6 peer reviews, 2018-2022.

Editorial

Interim Assistant to the Editor, *American Antiquity*, June 2018.

Conference Service

Volunteer, 38th Annual Meeting of the Society of Ethnobiology, 2015.

SERVICE TO THE UNIVERSITY

First-Generation Mentor, UCSB First-Generation Scholars Welcome Event, 2019.

Advisory Committee on Campus Access, UCSB, 2018-2022.

- Global Accessibility Awareness Day Subcommittee, 2019.
- Campus Accessibility Survey Subcommittee, 2019.

Invited Panelist, Undergraduate Anthropology Club Graduate Student Panel, UCSB, 2019.

President, UCSB Anthropology Graduate Student Association, 2017-2018.

Co-President, UCSB Anthropology Graduate Student Association, 2016-2017.

Invited Panelist, Capstone: Preparing for a Graduate Career in Anthropology, UCSB, 2016.

Technology and Website Chair, Social Committee, UCSB AGSA, 2015-2016.

Graduate Student Orientation Organizer, UCSB Anthropology, 2015.

Department Representative, UCSB Graduate Students Association, 2014-2015.

PUBLIC OUTREACH

(+ = collaboration with undergraduate mentee)

Entrant+, UCSB Art of Science Competition, 2020. (with Delenn Ganyo (+))

Outreach Committee, UCSB Anthropology Graduate Student Association, 2018-2019.

Volunteer, UNC Archaeology Day, 2013-2014.

LANGUAGE SKILLS

English: native fluency

Spanish: professional working proficiency (spoken, reading, writing)

PROFESSIONAL AFFILIATIONS

Sigma Xi: The Scientific Research Honors Society

Society for American Archaeology (SAA)

Society of Ethnobiology (SEB)

Southeastern Archaeological Conference (SEAC)

Midwest Archaeological Conference (MAC)

North Carolina Archaeological Society (NCAS)

REFERENCES AVAILABLE UPON REQUEST