

## MALLORY A. MELTON

Department of Anthropology  
University of California, Santa Barbara, CA 93106-3210  
<http://www.anth.ucsb.edu/vanderwarkerlab/people/mallory-melton>  
melton@umail.ucsb.edu  
(252) 732-4147

### EDUCATION

- Pursuing Ph.D., Anthropology, *University of California, Santa Barbara*
- 2016 M.A., Anthropology, *University of California, Santa Barbara*
- 2014 B.A. with Highest Distinction and Highest Honors, Archaeology & Anthropology,  
*The University of North Carolina at Chapel Hill*

### RESEARCH INTERESTS

- New World Archaeology (Guatemala, Midwestern & Southeastern U.S.)
- Food and Sociopolitical Dynamics, Middle-Range and Early Complex Societies
- Commensal Politics, Emergent Complexity, Culture Contact, Colonial Encounters
- Archaeobotanical Analysis (Macrobotanicals, Starch Grains, and Phytoliths); Bayesian Analysis of Radiocarbon Dates; Crop Stable Isotope Analysis; Quantitative Methods

### HONORS AND AWARDS

- 2016 First Place, Southeastern Archaeological Conference Student Paper Competition
- 2016 High Pass on Comprehensive Exams, UCSB
- 2014 Winner of Undergraduate Thesis Prize in Archaeology, UNC-Chapel Hill
- 2014 Highest Honors on Undergraduate Thesis in Archaeology, UNC-Chapel Hill
- 2012 Phi Beta Kappa, UNC-Chapel Hill
- 2012 Carolina Research Scholar Designation, UNC-Chapel Hill
- 2012 Ronald E. McNair Post-Baccalaureate Achievement Program Scholar
- 2011 Honors College, UNC-Chapel Hill
- 2010-2014 College of Arts and Sciences Dean's List, UNC-Chapel Hill

### GRANTS AND FELLOWSHIPS

**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

### WORKS IN PROGRESS

- In revision     **Melton**, Mallory A. Cropping in an Age of Captive Taking: Exploring Evidence for Uncertainty and Food Insecurity in the Seventeenth-Century North Carolina Piedmont. (article submitted to *American Antiquity*)
- In prep         VanDerwarker, Amber M., and Mallory A. **Melton**. Using Isotopic Analysis of Maize Kernels to Assess Soil Fertility in the Mississippian Central Illinois River Valley. (article to be submitted to TBD)
- In prep         Nelson, Erin Stevens, Ashley Peles, and Mallory A. **Melton**. Foodways and Community at the Late Mississippian Site of Parchman Place. (chapter to be included in edited volume, working title: *Ancient Foodways: Integrative Approaches to Understanding Subsistence and Society in the Past*)

PEER-REVIEWED JOURNAL ARTICLES

- In press Wilson, Gregory D., Mallory A. **Melton**, and Amber M. VanDerwarker. Reassessing the Chronology of the Mississippian Central Illinois River Valley Using Bayesian Analysis. (article submitted to *Southeastern Archaeology*)

TECHNICAL REPORTS

- 2016 **Melton**, Mallory A. Macrobotanical Remains from Hannek, a Kerma Period Nubian Settlement in Northern Sudan. Submitted to Jessica Akmenkalns, UCSB. 4pp.
- 2015 VanDerwarker, Amber, Matthew Biver, 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)

ORAL PRESENTATIONS

- 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 74<sup>th</sup> 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 59<sup>th</sup> 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 38<sup>th</sup> 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 80<sup>th</sup> 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 72<sup>nd</sup> 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 37<sup>th</sup> 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 79<sup>th</sup> 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 71<sup>st</sup> 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.

#### POSTERS

- 2013 Sourcing Sandstone Effigy Pipes of the Lower Mississippi Valley. Poster presented at the 71<sup>st</sup> 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.

#### SESSIONS ORGANIZED & CHAIRED

- 2015 Archaeology and Ethnobiology. 38<sup>th</sup> Annual Meeting of the Society of Ethnobiology, Santa Barbara, California.

#### **INVITED LECTURES**

- 2017- Guest Lecturer for UCSB Anthropology 3 and 126 (undergraduate courses). Various lectures on topics related to: risk/uncertainty, food insecurity, cross-cultural encounters, slave raiding, and macrobotanical analysis.
- 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 for 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**

*Teaching Assistant*, UCSB Department of Anthropology

- ANTH 3: Introduction to Archaeology (Summer 2017)

#### **FIELD EXPERIENCE**

##### **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 of 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 EXPERIENCE**SUPERVISORY

**Supervising/Training Undergraduate Lab Assistants** at UCSB in basic archaeobotanical methods, specifically rough-sorting macrobotanical samples, finding comparative plant material, accessioning specimens into the wood, macrobotanical, and microbotanical comparative collections, extracting starch grains and phytoliths, and mounting slides. September 2016-present.

**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; 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-present.

**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

**Macrobotanical Analysis** for TRC Garrow & Associates, of domestic contexts from a multi-component settlement in Macon County, North Carolina (31JK164 site). Spring-Fall 2017.

**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-present.

**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 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  $^{13}\text{C}$  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-present.

**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.

## PROFESSIONAL WORKSHOPS ATTENDED

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

## SYNERGISTIC ACTIVITIES

### SERVICE TO THE UNIVERSITY

- 2017-2018 President, UCSB Anthropology Graduate Student Association
- 2016 Invited Panelist, Anthropology Capstone: Preparing for a Graduate Career in Anthropology, UCSB
- 2016-2017 Co-President, UCSB Anthropology Graduate Student Association
- 2015-2016 Technology Chair, Website Chair, and Social Committee Member, UCSB Anthropology Graduate Student Association
- 2015 UCSB Anthropology Department Incoming Graduate Student Orientation Organizer
- 2014-2015 Department Representative, UCSB Graduate Students Association

### CONFERENCE SERVICE

- 2015 Volunteer, 38<sup>th</sup> Annual Meeting of the Society of Ethnobiology



PUBLIC OUTREACH

2013-2014 Volunteer, UNC Archaeology Day

**LANGUAGE SKILLS**

English: native fluency

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

**PROFESSIONAL AFFILIATIONS**

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**