

# Molly Carney

Ph.D, RPA

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## RESEARCH INTERESTS

Paleoethnobotany, geoarchaeology, Columbia-Fraser Plateau and Pacific Northwest, food security, forager land tenure systems, mobility, and sedentism, household archaeology

## EDUCATION

**Ph.D** 2021 Washington State University, Pullman, WA, Anthropology

Advisors: Jade d'Alpoim Guedes, Shannon Tushingham

**M.A.** 2016 Washington State University, Pullman, WA, Anthropology

Advisor: Melissa Goodman Elgar

**B.A.** 2013 State University of New York College at Geneseo, Geneseo, NY, Anthropology

## APPOINTMENTS

**2021-present** Washington Research Foundation Postdoctoral Fellow and Adjunct Faculty,  
Washington State University Department of Anthropology

**2019-2020** Instructor, Washington State University Department of Anthropology

## PUBLICATIONS

### *Peer Reviewed Articles and Chapters:*

**Carney, Molly**, Tara McLaughlin, Shannon Tushingham, and Jade d'Alpoim Guedes

2021 Harvesting strategies as evidence for 4,000 years of camas (*Camassia quamash*) management in the North American Columbia Plateau. *Royal Society Open Science*, 8.  
DOI: <https://doi.org/10.1098/rsos.202213>

**Carney, Molly** and Jade d'Alpoim-Guedes

2021 Paleoethnobotanical identification criteria for bulbs of the North American Northwest. *Vegetation History and Archeobotany*. DOI: <https://doi.org/10.1007/s00334-020-00808-9>

**Carney, Molly** and Benjamin Davies

2020 Agent-Based Modeling, Scientific Reproducibility, and Taphonomy: A Successful Model Implementation Case Study. *Journal of Computer Applications in Archaeology*, 3(1), pp.182–196. DOI: <https://doi.org/10.5334/jcaa.52>

**Carney, Molly**

2020 Performativity on the Plateau? Exploring Variability in Archaeological Long and Conical Tule Mat Lodges. In *Of Housepits and Homes: 21st Century Perspectives on Houses and*

*Settlements in the Columbia-Fraser Plateau Past*, edited by Molly Carney, James W. Brown and Dakota E. Wallen. Journal of Northwest Anthropology Memoir 19, Richland, Washington.

**Carney, Molly**, Jade d'Alpoim-Guedes, Kevin J. Lyons, and Melissa Goodman-Elgar  
2019 Gendered Places and Depositional Histories: Reconstructing a Menstrual Lodge in the Interior Northwest. *American Antiquity* 84(3):400-419. DOI: <http://doi.org/10.1017/aaq.2019.30>

***Edited Volumes:***

**Carney, Molly**, James W. Brown and Dakota E. Wallen (eds)  
2020 *Of Housepits and Homes: 21st Century Perspectives on Houses and Settlements in the Columbia-Fraser Plateau Past*. Journal of Northwest Anthropology Memoir 19, Richland, Washington.

***Manuscripts in Review and in Preparation:***

**Carney, Molly**, Jade d'Alpoim Guedes, and Shannon Tushingham  
n.d. Bulbs and Biographies, Pine nuts and Palimpsests: Exploring Plant Diversity and Earth Oven Reuse at a Late Period Plateau Site. Manuscript in review with *Anthropological and Archaeological Sciences*. DOI: <https://doi.org/10.31235/osf.io/nfwrk>

**Carney, Molly**, Melanie Diedrich, Joyce LeCompte-Mastenbrook, John Blong, Jade d'Alpoim Guedes, Tiffany Fulkerson, Tiffany Kite, Katy Leonard-Doll, and Shannon Tushingham  
n.d. Northwest Native Plants: An Online, Digital Space for Ethnobotanical and Paleoethnobotanical Knowledge. Manuscript in review with *Heritage*. DOI: <https://doi.org/10.20944/preprints202112.0163.v1>

**Carney, Molly**, Shannon Tushingham, Pamela Endzweig, Thomas Connolley, Kimberly DiCenzo, Stephanie Kramer, and Jade d'Alpoim Guedes  
n.d. Fleshing Out Scales of Camas Stewardship in the North American Northwest. Manuscript to be submitted to *American Anthropologist*.

***Non-peer Reviewed Works:***

**Carney, Molly**  
2021 *Camassia* in the North American Pacific Northwest. *The Bulb Garden* 18(4):3-6.

**Carney, Molly**, James W. Brown and Dakota E. Wallen  
2020 Houses, Homes, and Dwellings of the Columbia Fraser Plateau: An Introduction. In *Of Housepits and Homes: 21st Century Perspectives on Houses and Settlements in the*

*Columbia-Fraser Plateau Past*, edited by Molly Carney, James W. Brown and Dakota E. Wallen. Journal of Northwest Anthropology Memoir 19, Richland, Washington.

**Carney, Molly** and Shannon Tushingham (eds)

2019+ Cultural and Historic Guide to Northwest Native Plants. Washington State University Center for Digital Scholarship and Curation. <http://cdsc-wsu.org/nwnativeplants/>.

**Carney, Molly**

2013 X-ray Fluorescence Analysis of Maya Pottery from Belize. *The Proceedings of the Sixth Annual GREAT Day*.

***Technical Reports:***

**Carney, Molly**

2021 Evaluating Human-Camas Relationships in the Willamette Valley, Oregon. Report submitted to The University of Oregon Museum of Natural and Cultural History.

2021 45PO422 Addendum: Wood Charcoal and Additional Bulk Sample Analyses. Report submitted to the Kalispel Tribe of Indians Natural Resource Department

2020 Wood Identification for Five Sites Within and Adjacent to the Florence Mining District. Report submitted to Rain Shadow Research, Inc.

2018 Macrobotanical Analysis of Archived Earth Oven Soil Samples (45PO422), Kalispel Fish Hatchery. Report submitted to the Kalispel Tribe of Indians Natural Resource Department.

2017a Macrobotanical Analysis of Earth Oven Features 1 and 4 (45PO422), Kalispel Fish Hatchery. Report submitted to the Kalispel Tribe of Indians Natural Resource Department.

2017b Macrobotanical Analysis of Feature 4, Ne'hu-lat-pu Village (10IH3337) Selway-Bitterroot Wilderness Area, Idaho. Report Submitted to Rain Shadow Research, Inc.

2017c Paleoethnobotanical and Geoarchaeological Investigations at Feature 2 of the South Flying Goose Site. *Box Canyon Hydroelectric Project Archaeological Evaluation of 45PO174 and 45PO435*, edited by John T. Dorwin, pp. 129-172. Report submitted to the Public Utility District Number One of Pend Oreille County, WA.

2021 Diversity and Inclusion Steering Committee and Anthropology Graduate Organization\* *Washington State University Anthropology Graduate Student Wellbeing Internal Assessment Survey Report*. Report submitted to WSU AGO and WSU Anthropology faculty. \*Primary author

**Boedy, Randall D. and Molly Carney**

2016 *Cultural Resources Assessment of the Beaver Creek Wilderness (FY-14)*, Stearns Ranger District, McCreary County, Kentucky. U.S.D.A Forest Service, Daniel

Boone National Forest, Winchester, Kentucky.

**Carney, Molly**, Kendra Maroney, and Kevin J. Lyons

n.d. *Test Excavations at 10BR91, Strong Island*. Report to be submitted to the United States Army Corps of Engineers for the Albeni Falls Hydroelectric Project. In preparation.

Lyons, Kevin J., Kendra Maroney, and **Molly Carney** (eds)

n.d. *An Archaeological Evaluation of 45PO153, a portion of nlx<sup>w</sup>lox<sup>w</sup>, Kalispel Indian Reservation, Washington*. Report to be submitted to the Pend Oreille County PUD No. 1 for the Box Canyon Hydroelectric Project (FERC No. 2042). In preparation.

## **RESEARCH GRANTS**

### ***External Awards***

- 2021 Idaho Native Plant Society Education Research Inventory Grant (ERIG) (\$1,000)
- 2020 Washington Research Foundation Postdoctoral Fellow (\$277,000)
- 2020 Roy F Jones Memorial Scholarship Fund, Oregon Archaeological Society (\$1,500)
- 2020 Pacific Bulb Society Mary Sue Ittner Grant for Bulb Studies (\$610)
- 2020 Association for Washington Archaeology Research Grant (\$500, with James Brown and Dakota Wallen)
- 2018 Association for Washington Archaeology Student Travel Grant (\$200)

### ***Internal Grants***

- 2020 Washington State University Graduate and Professional Student Association Dissertation Grant (\$307)
- 2019 Washington State University Graduate and Professional Student Association Travel Grant (\$659)
- 2018 Washington State University College of Arts and Sciences Boeing Fellowship in Environmental Studies (\$1,000)
- 2018 Washington State University Foley Institute Fellowship (\$1000)

### ***In Preparation and Under Review***

- in prep “Ancestral Diet Science to Build and Maintain Healthy Communities: Nutrition, Safety, and Security of Traditional Geophyte (“Root”) Crops on the Columbia Plateau.” To be submitted to the *NSF Senior Archaeology Grant*, ~\$150,000, December 20, 2021  
PI: Shannon Tushingham, Co PI’s: Tiffany Fulkerson, **Molly Carney**, Mario Zimmerman
- in prep “Did Skagit River Basin Salmonidae populations migrate above the Gorge, Diablo, and Ross dams throughout the Holocene?” To be submitted to *Seattle City Light Flow/Nonflow Coordinating Committee*, ~\$250,000, January 2022  
PI’s: **Molly Carney**, Alexandra Fraik, Ross Salerno

## AWARDS

- 2021** Harriet B. Rigas Award Outstanding Doctoral Students, WSU (\$1,000)  
**2020** Transmitting Science Interactive Data Analysis and Visualization with R Shiny Workshop - March 23rd-27th, 2020 (598€, declined COVID-19)  
**2019** Janet Friedman Memorial Fellow (\$1,000)  
**2019** WSU Center for Digital Scholarship and Curation Fellow (\$1,500)  
**2019** Barbara Lawrence Best Student Paper, Society of Ethnobiology (\$750)  
**2015** Nicholas Michael Scoales Scholarship (\$750)  
**2012** Student Research Assistantship Geneseo Foundation (\$1000)  
**2012** John V. Lynn '83 Memorial Annual Scholarship in Journalism (\$1,200)

## TEACHING EXPERIENCE

### Washington State University

- Anth 101, Introduction to Anthropology, Instructor (Sp 2018, Fa 2020, Sp 2021)  
Anth 320, Native Peoples of North America, Teaching Assistant (Fa 2018, Sp 2019)  
Anth 101, Introduction to Anthropology, Teaching Assistant (Fa 2014, Fa 2015, Sp 2016, Fa 2016, Sp 2017)  
Hist 105, Roots of Contemporary Issues, Teaching Assistant (Sp 2014)

### University of California at San Diego

- Visiting Graduate Student and Paleoenvironment Lab Manager at Scripps Institute of Oceanography (Fa 2018)

## CONFERENCE ACTIVITY

### *Organized Symposia*

- 2019 Exploring Residential Variability Across the Columbia-Fraser Plateau: following-up on the “Plateau House Party.” Northwest Anthropological Conference, Kennewick, WA, March 22 (with James Brown and Dakota Wallen).  
2018 “A Plateau House Party.” Reconsidering the Record of Columbia-Fraser Plateau Household Archaeology. Northwest Anthropological Conference, Boise, ID (with James Brown and Dakota Wallen).

### *Podium and Poster* \* invited talk

- 2021\* **Carney, Molly**. Dynamic Subsistence Systems and Plant Food Diversity in the Columbia Plateau Late Holocene. Royal Anthropological Institute 2021 online conference on Anthropology and Conservation.  
2021 **Carney, Molly**, William Clements, Jade d’Alpoim Guedes, Shannon Tushingham. Northwest Native Plants: An Online, Digital Space for Ethnobotanical and Paleoethnobotanical Knowledge. Poster presented online at the 2021 Northwest Anthropological Conference.

- 2021\* Kirsten Jenkins and **Molly Carney**. Grant Writing 101. Paper presented online at the 2021 Northwest Anthropological Conference New Professionals Symposium.
- 2021 **Carney, Molly**, Tara McLaughlin, Pamela Endzweig, Shannon Tushingham, and Jade d'Alpoim Guedes. Fleshing Out Scales of Pacific Northwest Precontact Camas Stewardship: Case Studies from the Pend Oreille Valley, WA and the Willamette Valley, OR. Paper presented at the 2021 Society of Ethnobiology online conference.
- 2020 **Carney, Molly**. Braiding North American Indigenous Paradigms with Relational Approaches in Pacific Northwest Paleoethnobotany. Paper presented at the Materiality Matters conference, ARCHON, Amsterdam, ND.
- 2019 **Carney, Molly**. Alter-nut-ive Recipes: Exploring the Diversity of Foods Prepared in Prehistoric Earth Oven Cooking. Poster presented at the 2019 Society for American Archaeology Annual Meeting in Albuquerque, NM.
- 2019\* **Carney, Molly**. Observations on Columbia Plateau Contemporaneous Individual and Group Structures, 1600 BP-present. Paper presented at the 2019 Northwest Anthropology Meeting in Kennewick, WA.
- 2019\* **Carney, Molly**, Jade d'Alpoim-Guedes, Kevin J. Lyons, and Melissa Goodman-Elgar. Ethnobotanical Knowledge and Gendered Spaces: Reconstructing a Menstrual Lodge in the Interior Northwest. Paper presented at the 2019 Society for Ethnobiology Annual Meeting in Vancouver, BC.
- 2018\* **Carney, Molly** and Stephenie Kramer. Re-Visiting Bulb Size as a Proxy for Camas (*Camassia* ssp.) Management in the Pacific Northwest. Paper presented at the 2018 Society for Ethnobiology and Society of Economic Botany joint meeting in Madison, WI.
- 2018\* **Carney, Molly** and Kevin J. Lyons. Observations on Long and Conical Lodges. Paper presented at the Northwest Anthropological Conference, Boise, ID.
- 2018 Hanson, Sydney and **Molly Carney**. The Harvest of Action: Arguing the Importance of Paleoethnobotany in Cultural Resource Management Archaeology. Paper presented at the 2018 Society for Ethnobiology and Society of Economic Botany, Madison, WI.
- 2017\* **Carney, Molly**. Gene-Culture Coevolution, Pit Hearth Cooking, and the Diabetes Epidemic among North American Indigenous Populations. Paper presented at the 2017 Society for American Archaeology annual meeting in Vancouver, BC.

**Carney, Molly**, Kevin J. Lyons, and Jim LeMieux

2017 Electrical Conductivity as a Minimally Invasive Archaeological Tool: Three Case Studies from the Pend Oreille Valley. Poster presented at the 2017 Federal Columbia River Power System Cultural Resource Meeting in Spokane, WA.

2016\* **Carney, Molly**. To Throw into the Fire: Paleoethnobotanical and Geoarchaeological Analyses at the Flying Goose Site 45PO435. Paper presented at the 2016 Northwest Anthropological Conference, Tacoma, WA.

#### **INVITED LECTURES**

2022 “Camas Management in the Pacific Northwest.” Guest lecture for WSU Biology course Plants and People.

2021 “Willamette Valley Precontact Camas Management.” Brown bag for the Confederated Tribes of Grand Ronde Cultural Resources.

2021 “Fleshing Out Scales of Pacific Northwest Precontact Camas Stewardship: A Case Study from the Willamette Valley.” Oregon Archaeological Society, September meeting.

2020, 2018 “Foragers, Niche Construction, and Alternative Subsistence Practices.” Feeding the World, undergraduate seminar, University of California at San Diego, La Jolla, CA.

2021, 2018, 2016 “Wood Charcoal Anatomy.” Paleoethnobotany graduate seminar, University of California at San Diego, La Jolla, CA & WSU.

2016-2018 “Columbia Plateau Culture History,” Archaeology of the Americas undergraduate seminar, Washington State University, Pullman, WA

#### **SERVICE**

2021-present *Ethnobiology Letters*, Associate Reviews Editor

2021-present Association for Washington Archaeology Awards Committee member

2020-2021 WSU Anthropology Diversity and Inclusion Steering Committee member, Internal Assessment Chair

Reviewer for: *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*

#### **FIELD EXPERIENCE**

**United States:** Columbia-Fraser Plateau and Intermountain West (Washington, Idaho, Montana, and Wyoming), Pacific Coast (California and Oregon), Eastern Woodlands (Ohio, Kentucky, Tennessee).

**Foreign:** Eastern Tibetan Plateau, Sichuan Province, China

Title: Adapting Subsistence Regimes to the Roof of the World, Funded by the National Science Foundation, ACLS and National Geographic, project geomorphologist



## **CULTURAL RESOURCE MANAGEMENT EXPERIENCE**

- 2021 Environmental Crew Leader, Tierra Right of Way, Spokane, WA  
2020 Archaeologist II, Rain Shadow Research, Inc. Pullman, WA  
2019 Archaeologist Crew Leader, A Cultural Resource Management Consultant, Coeur d'Alene, ID  
2016-2018 Archaeologist II, Historical Research Associates. Spokane, WA.  
2015-2017 Cultural Resources Technician, Kalispel Tribe of Indians Natural Resources  
2015-2018 Archaeological Technician at Plateau Archaeological Investigations. Pullman, WA.  
2013-2014 SCA Archaeological Technician Intern at the Daniel Boone and Klamath National Forests, USDA. Happy Camp, CA and Stearnes, KY.

## **PRESS**

- 2021 Sun, Rachel. "[WSU Anthropologists Work With Kalispel Tribe To Learn About Traditional Foods.](#)" *Northwest Public Broadcasting*. December 2, 2021  
2021 Brown, Sydney. "[What would you eat 500 years ago in the Pacific Northwest?](#)" *The Spokesman Review*. November 25, 2021  
2021 Hunter, AnneMarie. "[Through the Camas Plant, Archaeologist Bridges the Past, Present, and Future.](#)" *Washington State University Foundation*. November 1, 2021

## **MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS**

Register of Professional Archaeologists  
Society for Archaeological Sciences  
Association for Washington Archaeology  
Oregon Archaeological Society  
American Indigenous Research Association  
Computer Applications in Archaeology

## **FURTHER TRAINING**

- 2019 Washington State Center for Digital Scholarship and Curation Digital Humanities Workshop, May 15-19  
2016 Boston University Wood Charcoal Identification Workshop, August 15-19

## **ADDITIONAL EXPERIENCE**

- 2013 Honorable Mention All-American in the 200 Medley Relay  
2013 First Team All-American Scholar  
2010-2013 4-year contributing member of Geneseo's SUNYAC conference winning swim team.