

Weston Craig McCool
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EDUCATION

- 2020-present Postdoctoral researcher, University of California at Santa Barbara, Dept. of Anthropology. Sponsoring Scientist: Dr. Douglas J. Kennett.
- 2020 Ph.D., University of California at Santa Barbara, Dept. of Anthropology.
- 2015 M.A., University of California at Santa Barbara, Dept. of Anthropology.
- 2013 M.A., University of Utah, Dept. of Anthropology.
- 2009 B.S., University of Utah, Dept. of Anthropology.

RESEARCH INTERESTS

Human behavioral ecology	GIS
Risk-management	Quantitative methods
Warfare	Bioarchaeology
Territoriality	Isotope chemistry
Agricultural strategies	Environmental modeling
Peruvian Andes	Colorado Plateau

PUBLICATIONS

- 2021 *In-prep*: Douglas J. Kennett, Marilyn Masson, Carlos Peraza Lope, Stanley Serafin, Richard George, Thomas Spencer, Julie Hoggarth, Brendan J. Culleton, Thomas Harper, Keith M. Prufer, Susan Milbrath, Stanley Russell, Eunice Uc González, Weston C. McCool, Valorie V. Aquino, Jason H. Curtis, Victor Polyak, Norbert Marwan, Mingua Zhang, Andrew Mason, Gideon Henderson, Gerald H. Haug, Mark Brenner, Yemane Asmerom, James U.L. Baldini, Sebastian F. M. Breitenbach, David A. Hodell. “Drought Induced Civil Conflict Amongst the Maya.” Target Journal: *Science*.
- 2021 *Under-review*: McCool, Weston C., Kenneth Blake Vernon, Peter M. Yaworsky, Brian F. Coddling. “Environmentally-mediated status competition drives lethal aggression among humans.” *Nature Communications*.

- 2021 *Accepted with revisions:* McCool, Weston C., Amy S. Anderson, Douglas J. Kennett. "Using a multi-method life history approach to navigate the osteological paradox: a case study from the Nasca highlands". *American Journal of Physical Anthropology*.
- 2021 *Under-review:* Wilson, Kurt M., Weston C. McCool. "The Environmental Null: Exploring the intersection of climate, society, and diet in the Prehistoric Andes."
- 2021 *In-press:* McCool, Weston C., Aldo Accinelli, Joan Brenner-Coltrain. "Patrones osteológicos de guerra endémica en la Sierra de Nasca durante el Intermedio Tardío (1000-1450 d.C.)." In: *Actas del VI Congreso Nacional de Arqueología*. Lima, Perú: Ministerio de Cultura.
- 2020 Daniel M. Fernandes, et al., Weston C. McCool, and David Reich. "A Genetic History of the Pre-contact Caribbean." *Nature*. <https://doi.org/10.1038/s41586-020-03053-2>
- 2020 McCool, Weston C., Joan Brenner-Coltrain, Aldo Accinelli, Douglas J. Kennett. "The Character of Conflict: a bioarchaeological study of violence in the Nasca highlands of Peru during the Late Intermediate Period (950– 1450 C.E.)." *American Journal of Physical Anthropology*, DOI: 10.1002/ajpa.24205.
- 2020 McCool, Weston C., Daniel C. McCool. We must either protect him or destroy him. In: "*Vision and Place: John Wesley Powell and reimagining the Colorado River Basin*" (Eds. Robison, McCool, Minckley). University of California Press.
- 2019 McCool, Weston C., Peter J. Yaworsky. "Fight or Flight: assessing Fremont territoriality in Nine Mile Canyon, Utah". *Quaternary International* 518, pp.111-121.
- 2017 McCool, Weston C. "Coping with Conflict: defensive strategies and chronic warfare in the Prehispanic Nasca Region." *Journal of Latin American Antiquity* 28(3), pp.373-393.
- 2017 McCool, Weston C., Joan Brenner-Coltrain. "A potential oxygen isotope signature of maize beer consumption: an experimental pilot study." *Journal of Ethnoarchaeology*, DOI: 10.1080/19442890.2018.1439300.
- 2015 Parker, Bradley J., Weston C. McCool. "Indices of household maize beer production in the Andes: an ethnoarchaeological investigation." *Journal of Anthropological Research* 71(3), pp.359-400.

FIELD AND LAB EXPERIENCE

- 2020: Postdoctoral researcher in Kennett Biogeochemistry lab.
 2020: PI: Nasca Highlands Warfare Project: Stable and Radio Isotope Research.

- 2019: PI: Nasca Highlands Warfare Project: Stable and Radio Isotope Research.
 2018 PI: Nasca Highlands Warfare Project: Fieldwork.
 2017 PI: The Upper Southern Nasca Region Hillforts Project.
 2017 Training program in osteological methods. Forensic Anthropology Center, University of Tennessee, Knoxville.
 2016 PI: The Upper Southern Nasca Region Hillforts Project.
 2015 PI: The Upper Southern Nasca Region Hillforts Project.
 2014 Crew member for the Yamobamba Excavation Project. Supervisor: Patricia Chirinos.
 2014 GIS database editor, Central California Information Center. Supervisor: Lynn Gamble, PhD.
 2013 Co-PI: Household Maize Beer Production in the Andes: An Ethnoarchaeological Investigation.
 2013 Field-technician for the Wari Road Survey Project. Supervisor: Matt Edwards, PhD.
 2012 Co-PI: Household Maize Beer Production in the Andes: An Ethnoarchaeological Investigation. Preliminary scouting trip.

GRANTS AND AWARDS RECEIVED

- 2019: The Brian Fagan Fund: \$500. Principal author of grant.
 2019: National Science Foundation Doctoral Dissertation Research Improvement Grant: \$20,000. Co-PI of grant.
 2019: Broom Graduate Student Research and Travel Grant: \$1,850. Principal author of grant.
 2019: Department of Anthropology Graduate Student Research Grant: \$1,800. Principal author of grant.
 2018 Charles J. Erasmus Fund: \$1,175. Principal author of grant.
 2018 Department of Anthropology Graduate Student Research Grant: \$800. Principal author of grant.
 2017 Charles J. Erasmus Fund: \$1,000. Principal author of grant.
 2017 Department of Anthropology Graduate Student Research Grant: \$1,021. Principal author of grant.
 2016 Humanities and Social Sciences Research Grant: \$3,000. Principal author of grant.
 2016 Department of Anthropology Graduate Student Research Grant: \$1,000. Principal author of grant.

- 2015 Department of Anthropology Graduate Student Research Grant: \$4,300. Principal author of grant.
- 2013 University of Utah Research Committee grant: \$5,000. Co-author of grant with Professor Bradley J. Parker, PhD.

FELLOWSHIPS

- 2019 One-quarter fellowship from the dean's discretionary block grant for 2019-2020: \$7,425 (Fall Quarter)
- 2018 UCSB Anthropology Graduate Fellowship: \$6,425 (Fall Quarter)
- 2017 UCSB Anthropology Graduate Fellowship: \$6,425 (Winter Quarter)

TEACHING EXPERIENCE

Teaching Associate, UCSB: Human Evolution (three quarters), Human Osteology (one quarter).

Teaching assistant, UCSB: Intro to Biological Anthropology (seven quarters), Intro to Cultural Anthropology (four quarters), Intro to Archaeology (one quarter).

Teaching assistant, Univ. of Utah: Intro to World Prehistory (two semesters).

CONFERENCE PRESENTATIONS

- 2021 **Co-Chair** (with Dr. Kate Magargal) and presenter, SAA Organized session. Life is risky: human behavioral ecology approaches to variable outcomes. Presentation: "Examining trade-offs between food acquisition and violence avoidance: population-level effects and variability in risk-preference".
- 2019 Presenter, SAA annual conference. Poster: Inferring the Character of Conflict using Victim Profiles and Trauma Distributions: a case study from the Late Intermediate Period Nasca Highlands.
- 2018 Presented, SAA annual conference. Invited symposium (Comparative Perspective on Warfare). Paper: Regional Defensive Strategies and Chronic Warfare in the Nasca Highlands.
- 2017 Presenter, SAA annual conference. Poster: Coping with Conflict: Defensive Strategies and Chronic Warfare in the Prehispanic Nasca Region.
- 2017 Presenter, UCSB Anthropology Graduate Colloquium. Coping with Conflict: Defensive Strategies and Chronic Warfare in the Prehispanic Nasca Region.
- 2017 Presenter, Institute of Andean Studies annual conference. Poster: Optimizing Defense: Assessing the Relationship between Fortification Investment and Settlement Accessibility.
- 2016 Presenter, California Workshop on Evolutionary Social Sciences. Poster: Fremont Defensive Strategies in Nine Mile Canyon, Utah.
- 2016 Co-presenter, Utah Professional Archaeological Council Annual Conference. Poster: Functionality of Fremont Tower Structures in Nine Mile Canyon, Utah.

- 2015 Presenter, SAA annual conference. Poster: A Potential Oxygen Isotope Signature of Maize Beer Consumption: An Experimental Pilot Study.
- 2014 Presenter, SAA annual conference. Paper: Household Maize Beer Production in the Andes: An Ethnoarchaeological Investigation.
- 2014 Co-presenter, the Institute of Andean Studies Annual Meeting. Poster: Wari and Inca Roads of the Pampas Galeras.
- 2013 Presenter, University of Utah History Conference. Paper: Alcohol and Society: An Ethnoarchaeological Investigation.

PROFESSIONAL REFERENCES

Amber VanDerwarker (Ph.D. committee co-chair)
Katharina Schreiber (Ph.D. committee co-chair)
Douglas Kennett (Ph.D. committee, Postdoctoral sponsoring scientist)
Michael Jochim (Ph.D. committee)
Tiffany Tung (Ph.D. committee)
Brian Coddling (Collaborator)