William Joseph Pestle

Director of Education
Kelsey Museum of Archaeology
University of Michigan

Education

2010	Ph.D. Department of Anthropology, University of Illinois at Chicago Ph.D. Committee: L. Antonio Curet (chair), Anna Roosevelt, Sloan Williams, Patrick Ryan Williams, Holger Schutkowski Dissertation: *Diet and Society in Prehistoric Puerto Rico, An Isotopic Approach*
2001	MSc with Distinction, Human Osteology, Paleopathology, and Funerary Archaeology, School of Archaeological and Environmental Sciences, University of Bradford Dissertation: *Gender in Early Medieval Weingarten, a Mortuary Analysis*
1999	BA with Highest Honors, Classical Archaeology, University of Michigan, Ann Arbor, MI. Honors Thesis: *The Graves of Seleucia-on-the-Tigris*

Positions Held

2024-	Director of Education, Kelsey Museum of Archaeology, University of Michigan.
2011-	Research Associate, Department of Anthropology, Field Museum of Natural History.
2021-2024	Chair, Department of Anthropology, University of Miami.
2017-2024	Associate Professor, Department of Anthropology, University of Miami.
2019-2021	Director of Graduate Studies, Department of Anthropology, University of Miami.
2017-2021	Director, Latin American Studies Program, University of Miami.
2013-2017	Assistant Professor, Department of Anthropology, University of Miami.
2011-2012	Post-Doctoral Research Associate, Department of Oral Medicine and Diagnostic Sciences, College of Dentistry, University of Illinois at Chicago.
2010-2012	Visiting Assistant Professor, Department of Sociology and Anthropology, Lake Forest College Lake Forest, IL
2007-2010	Graduate Teaching Assistant, Department of Anthropology, University of Illinois at Chicago
2004-2010	Lecturer-Department of Sociology and Anthropology, Lake Forest College, Lake Forest, IL
2003-2006	Adjunct Assistant Professor-Department of Oral Medicine and Diagnostic Sciences, College of Dentistry, University of Illinois at Chicago
2006-2006	Collections Manager II- Department of Anthropology, Field Museum of Natural History, Chicago, IL.
2004-2006	Contributor-Dental Emergency Medical Readiness Training (DEMRT) Center/Laboratory for Strategic Natural Products (LSNP), College of Dentistry, University of Illinois at Chicago
2000-2006	Collections Manager I-Department of Anthropology, Field Museum of Natural History, Chicago, IL.

1996-1999 Assistant to the Registrar-Kelsey Museum of Archaeology, University of Michigan, Ann Arbor, MI.

Publications (* denotes student co-author)

Refereed

2026 **Pestle, W.J.**, Sen Roy, S., and A.M. Sabo. The role of accelerated sea level rise in the declining health of a biogenic Caribbean mangrove forest. *Regional Studies in Marine Science*, https://doi.org/10.1016/j.rsma.2026.105646.

2026 Ellis, M., Pestle, W.J., Hassler, M.*, Bustos Martin, M.*, Stone, J.H., Zolik, J.*, Pott, L.N.*, and M. Nieves-Colón. Threads of Evidence: The 1928 Hurricane Victims and Ways of Knowing Them. *American Anthropologist*, https://doi.org/10.1111/aman.70139.

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2026 Ramos-Madrigal, J., Iraeta-Orbegozo, M., Nägele, K., Nieves-Colón, M.A., Sandoval-Velasco, M., Mylopotamitaki, D., Chinique de Armas, Y., Laffoon, J.E., Ali, A., Arredondo Antúnez, C., Carr, R.A., Courtaud, P., Day, J.S., **Pestle, W.J.**, Rangel Rivero, A., Romon, T., Schaffer, W.C., Siegel, P., Stone, A.C., Wiuf, C., Allentoft, M.E., and H. Schroeder. Ancient DNA preservation in the Caribbean. *Royal Society Open Science* 13 (9): 260217. https://doi.org/10.1098/rsos.260217.

2026 Torres, C.M., Caine, A., Cabello, G., Gallardo, F., and **W.J. Pestle**. Care as Survival in an Isolated Skeleton from Chile's Semi-Arid North. *Bioarchaeology International* 0 (0):1–16: DOI:10.5744.bi/2025.0038.

2026 Ryder, C., Celis, G., Devièse, T., Talamo, S., Douka, K., Collins, M., Perri, A., Thakar, H., **Pestle, W.J.**, and M. Sponheimer. Refining Near-Infrared Spectroscopy for Collagen Quantification: A New Predictive Model for Archaeological Bone. *Journal of Archaeological Science* 185:106448. https://doi.org/10.1016/j.jas.2025.106448.

2025 McGuire, S., Hubbe, M., **Pestle, W.J.**, Sharifi, A., and A. Pourmand. Geochemical Tales of Individuals Lives during the Industrial Revolution: Untangling the Impact of Pollutant Exposure in Two English Towns. *Science Advances* 11: eadd1047. https://doi.org/10.1126/sciadv.add1047.

2025 Van Meter, N.*, **Pestle, W.J.**, Sabo, A.M.*, McNeill, D.F., Koski-Karell, D., Peterson, L.C., and M. Carden*. Building belonging & evoking identity through bodily adornment: Pendants from the Ortiz Site, southwestern Puerto Rico. *Antiquity* 99(408): 1498–1514. https://doi.org/10.15184/aqy.2025.10177

2025 **Pestle, W.J.,** Torres, C.M., and Pimentel G., G. Dieta e identidad de los viajeros/as internodales durante el Período Formativo en el desierto de Atacama (norte de Chile). *InterSecciones en Antropología* 1(1):7–24.

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Mammalia] in Brazil. *Journal of Quaternary Science* 40(6):1031–1042. https://doi.org/10.1002/jqs.3728.

2024 Calás, E., Labarca, R., Gallardo, F., and **W.J. Pestle**. Animales e Intercambio: Análisis Arqueofaunístico de la Aldea San Salvador, norte de Chile. *Boletín de la Sociedad Chilena de Arqueología* 57:24–57.

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2023 Pimentel, G.E., Ugarte, M., Blanco, J.F., Montero-Poblete, C., Gil, J., Arevalo, J., Gallardo, F., Torres, C.M., and **W.J Pestle**. On the pathways. Inter-nodal archaeology in the Atacama desert Pampa (c. 7000 BP-400 BP). *Journal of Anthropological Archaeology* 71:101526.

2023 **Pestle, W.J.**, Perez, E.M.*, and D. Koski-Karell. Reconsidering the Lives of the Earliest Puerto Ricans: Mortuary Archaeology and Bioarchaeology of the Ortiz Site. *PLoS One.* https://doi.org/10.1371/journal.pone.028429.

2023 Rodríguez Ramos, R., Rodríguez López, M., and **W.J. Pestle.** Revision of the Cultural Chronology of Precolonial Puerto Rico: A Bayesian Approach. *PLoS One.* https://doi.org/10.1371/journal.pone.0282052.

2023 Cheverko, C., Schrader, S., Torres, C. Pestle. W.J., and M. Hubbe. Emerging inequality in the San Pedro de Atacama oasis: An investigation of entheseal patterns using ANCOVA and Factorial ANOVA. *International Journal of Osteoarchaeology*, https://doi.org/10.1002/oa.3217

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2022 Durga, R.*, Jimenez, N.*, Ramanathan, S.*, Suraneni, P., and **W.J. Pestle.** Use of Thermogravemetric Analysis to Estimate Collagen and Hydroxyapatite Contents in Archaeological Bone. *Journal of Archaeological Science* 145:105644. doi.org/10.1016/j.jas.2022.105644

2021 **Pestle, W.J.,** Hubbell, C., and M. Hubbe. (DIGSS) Determination of Intervals using Georeferenced Survey Simulation: An R Package for Subsurface Survey. *PLoS ONE* 16(9): e0257386. doi.org/10.1371/journal.pone.0257386.

2021 Giovas, C.M., Fitzpatrick, S.M., Leppard, T.P., Hubbe, M., **Pestle, W.J.**, Siegel, P.E., Curet, L.A., Oliver, J.R., Boomert, A., and R.T. Callaghan. Craniometric analysis does not support a Carib invasion of Hispaniola, Jamaica, and the Bahamas in the pre-Columbian era. *Scientific Reports* 11:16955.

2021 Torres-Rouff, C., Pimentel, G., **Pestle, W.J.,** Ugarte, M., and K.J. Knudson. The Life and Death of a Child: Mortuary and Bodily Manifestations of Coast/Interior Interactions in Northern Chile's Late Formative Period (AD 100-400). *Latin American Antiquity* doi:10.1017/laq.2021.56.

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2020 Nieves-Colón, M.A., **Pestle, W.J.,** Reynolds, A.W., Llamas, B., de la Fuente, C., Fowler, K., Skerry, K.M., Crespo-Torres, E., Bustamante, C.D., and A.C. Stone. Ancient DNA reconstructs the genetic legacies of pre-contact Puerto Rico communities. *Molecular Biology and Evolution* 37(3): 611–626. DOI: 10.1093/molbev/msz267.

2020 Moloughney, V.P.*, D.M. Pinder*, and **W.J. Pestle**. Particle Size Matters: The Effect of Particle Size on Carbon and Oxygen Isotope Composition of Bone Hydroxyapatite. *American Journal of Physical Anthropology* 171:718–724. DOI: 10.1002/ajpa.24006.

2019 Staudigel, P.*, Swart, P., Pourmand, A., Laguer-Díaz, C., and **W.J. Pestle.** "Boiled or roasted?" Bivalve cooking methods of early Puerto Ricans elucidated using clumped isotopes. *Science Advances* 5: eaaw5447.

2019 Sponheimer, M., C. Ryder, H. Fewlass, E. Smith*, **W.J. Pestle**, and S. Talamo. Saving Old Bones: a non-destructive method for bone collagen prescreening. *Scientific Reports* 9:13928.

2019 Pinder, D.M*., Gallardo, F., Cabello, G., Torres-Rouff, C., and **W.J. Pestle**. An Isotopic Study of Dietary Diversity in Formative Period Ancachi/Quillagua, Atacama Desert, Northern Chile. *American Journal of Physical Anthropology* 170(4):613-621.

2019 Mann, E.*, **W.J. Pestle**, D.F. McNeill, R.S. Carr, R. Franklin. Geochemical Analysis of Tequesta Calcretes. *Journal of Archaeological Science: Reports.* https://doi.org/10.1016/j.jasrep.2019.101988.

2019 Ballester, B., Calás, E., Labarca, R., **Pestle, W.J.**, Gallardo, F., Castillo, C., Pimentel, G., and C. Oyarzo. The ways of fish beyond the sea: fish circulation and consumption in the Atacama desert, northern Chile, during the Formative period (500 cal B.C.-700 cal A.D.). *Anthropozoologica* 54(6): 55-76.

2019 **Pestle**, **W.J.**, Torres-Rouff, C., Gallardo Ibanez, F., Andrea Cabello, G., and E.K. Smith*. The Interior Frontier: Exchange and Interculturation in the Formative Period (1000 B.C.-A.D. 400) of Quillagua, Antofagasta Region, northern Chile. *Quaternary International* 533:25–36. https://doi.org/10.1016/j.quaint.2019.03.014.

2018 Chinique de Armas, Y., and **W.J. Pestle**. Assessing the association between subsistence strategies and the timing of weaning among indigenous archaeological populations of the Caribbean. *International Journal of Osteoarchaeology* 28(5):492-509.

2018 Torres-Rouff, C., Hubbe, M., and **W.J. Pestle**. Wearing the marks of violence: Unusual trauma patterning at Coyo Oriental, northern Chile (AD 400-1000). *American Journal of Physical Anthropology* 167(1): 32-45.

2018 Nieves-Colón, M.*, Ozga, A.T., **Pestle, W.J.**, Cucina, A., Tiesler, V., Stanton, T.W., and A.C. Stone. Comparison of two ancient DNA extraction protocols for skeletal remains from tropical environments. *American Journal of Physical Anthropology* 166(4): 824-836.

2018 **Pestle, W.J.,** and J.E. Laffoon. Quantitative paleodietary reconstruction with complex foodwebs: An isotopic case study from the Caribbean. *Journal of Archaeological Science: Reports* 17:393-403.

2017 Pimentel, G., Ugarte, M., Blanco, J.F., Torres-Rouff, C., and **W.J. Pestle.** Calate. De lugar desnudo a laboratorio arqueológico de la movilidad y el tráfico intercultural prehispanico en el Desierto de Atacama (ca. 7000 AP-550 AP). *Estudio Atacameños* 56:23-58.

2017 **Pestle, W.J.,** Torres-Rouff, C., Hubbe, M., and E.K. Smith*. Eating in or Dining out: Modeling Diverse Dietary Strategies in Middle Period San Pedro de Atacama, Chile. *Archaeological and Anthropological Sciences* 9(7): 1363-1377.

2016 Smith, E.*, **Pestle, W.J.**, Clarot, A.*, and F. Gallardo. Modeling Breastfeeding and Weaning Practices (BWP) on the Coast of Northern Chile's Atacama Desert During the Formative Period. *Journal of Island and Coastal Archaeology*. DOI: 10.1080/15564894.2016. 1253047.

2016 **W.J. Pestle**, Torres-Rouff, C., and M. Hubbe. Modeling Diet in Times of Change: The Case of Quitor, San Pedro de Atacama, Chile. *Journal of Archaeological Science*: *Reports* 7:82-93.

2015 Torres-Rouff, C., Knudson, K., **Pestle. W.J.**, and E. Stovel. Tiwanaku Influence and Social Inequality in San Pedro de Atacama, Northern Chile: A Bioarchaeological, Biogeochemical, and Contextual Analysis of the Larache Cemetery. *American Journal of Physical Anthropology* 158(4): 592-606.

2015 **Pestle, W.J.**, Torres-Rouff, C., Hubbe, M., Santana Santana, F., Pimentel, G., Gallardo, F., and K.J. Knudson. Diversidad Dietética en la Prehistorica del Desierto de Atacama: Un Primer Acercamiento a los Patrones Regionales. *Chungara* 47(2): 201-209.

2015 **Pestle, W.J.**, Brennan, V.*, Sierra, R.*, Smith, E.K.*, Vesper, B.J., Cordell, G.A., and M.D. Colvard. Hand-held Raman Spectroscopy as a Pre-Screening Tool for Archaeological Bone. *Journal of Archaeological Science* 58:113-120.

2015 **Pestle, W.J.**, Hubbe, M., Smith, E.K.*, and J.M. Stevenson*. A Linear Model for Predicting $\delta^{13}C_{protein}$. *American Journal of Physical Anthropology* 157:694-703.

2015 **Pestle, W.J.**, Torres-Rouff, C., Gallardo, F., Ballester, B., and A. Clarot*. Mobility and Exchange among Marine Hunter-Gatherer and Agropastoralist Communities in the Formative Period Atacama Desert. *Current Anthropology* 56(1): 121-133.

2014 **Pestle, W.J.,** Crowley, B., and M. Weirauch. Quantifying Inter-Laboratory Variability in Stable Isotope Analysis of Ancient Skeletal Remains. *PLOS One* 9(7): e102844.

2014 **Pestle, W.J.**, Ahmad, F.*, Vesper, B., Cordell, G.A., and M.D. Colvard. Ancient Bone Collagen Assessment by Hand-held Vibrational Spectroscopy. *Journal of Archaeological Science* 42:381-389.

2013 **Pestle, W.J.** Equals in Death as Life? Mortuary and Isotopic Variation in Late Ceramic Age Puerto Rico. *Journal of Caribbean Archaeology* 13:28-42.

2013 **Pestle, W.J.**, Curet, L.A., Rodríguez Ramos, R., and M. Rodríguez Lopez. New Questions and Old Paradigms: Reexamining Caribbean Culture History. *Latin American Antiquity* 24(3):243-261.

2013 **Pestle, W.J.** Fishing Down a Prehistoric Caribbean Marine Food Web: Isotopic Evidence from Punta Candelero, Puerto Rico. *Journal of Island and Coastal Archaeology* 8(2):228-254.

2013 **Pestle, W.J.**, Simonetti, A., and L.A. Curet. $^{87}Sr/^{86}Sr$ Variability in Puerto Rico: Geological Complexity and the Study of Paleomobility. *Journal of Archaeological Science* 40: 2561-2569.

2012 Onul A., Colvard M.D., Paradise, W.A., Elseth, K.M., Vesper, B.J., Gouvas, E., Deliu, Z., Garcia, K.D., **Pestle, W.J.**, and J.A. Radosevich. Application of Immunohistochemical Staining to Detect Antigen Destruction as a Measure of Tissue Damage. *Journal of Histochemistry and Cytochemistry* 60(9): 683-693.

2012 Knudson, K.J., **Pestle, W.J**., Torres-Rouff, C., and G. Pimentel. Life History of an Andean Traveler through Biogeochemistry: Stable and Radiogenic Isotope Analysis of Archaeological Human Remains from Northern Chile. *International Journal of Osteoarchaeology* 22: 435-451.

2012 Torres-Rouff, C., **Pestle, W.J.**, and B. Daverman*. Commemorating Bodies and Lives at Kish's 'A Cemetery': (Re)presenting Social Memory. *Journal of Social Archaeology* 12(2): 193-219.

2012 **Pestle, W.J.**, and M. Colvard. Bone Collagen Preservation in the Tropics: A Case Study from Ancient Puerto Rico. *Journal of Archaeological Science* 39(7): 2079-2090.

2012 Torres-Rouff, C., **Pestle, W.J.**, and F. Gallardo. Eating Fish in the Driest Desert in the World: Osteological and Biogeochemical Analyses of Human Skeletal Remains from the San Salvador Cemetery, North Chile. *Latin American Antiquity* 23(1): 51-69.

2010 Curet, L.A. and **W.J. Pestle** Identifying High Status Food in the Archaeological Record. *Journal of Anthropological Archaeology* 29(4): 413-431.

2010 **Pestle, W.J.** Chemical, Elemental, and Isotopic Effects of Acid Concentration and Treatment Duration on Ancient Bone Collagen: An Exploratory Study. *Journal of Archaeological Science* 37(12): 3124-3128.

2008 **Pestle, W.J.**, Curet, L.A., Laffoon, J., and E. Crespo. Los Muertos Si Hablan: Estudio Preliminar de Análisis Químico, Genético y Osteológico de Restos Humanos de Puerto Rico. *Boletín del Museo del Hombre Dominicano* 38: 100-110.

2007 **Pestle, W.J.**, Demel, S., Colvard, M., and R. Pickering. Skeletal biology and mortuary practice at the Kubinski Site (11WI1186), a Middle Woodland ossuary. *Illinois Archaeology* 19: 47-84.

2006 **Pestle, W.J.**, Colvard, M. and P. Pettitt, AMS Dating of a recently rediscovered juvenile mandible from Solutré, (Sâone-et-Loire, France). *Paleo* 18: 285-292.

2006 Colvard, M.D., Cordell, G.A., Villalobos, R. Sancho, G., Soejarto, D.D., **Pestle, W.J.**, Echeverria, T.L., Perkowitz, K.M., and J. Michel. Survey of Medical Ethnobotanicals for Dental and Oral Medicine Conditions and Pathologies. *Journal of Ethnopharmacology*, 107(1): 134-142.

Book chapters & conference proceedings

2025 Fitzpatrick, S.M., Giovas, C.M., de Waal, M., and **W.J. Pestle**. Highlights in the Pre-Contact Archaeology of the Island Caribbean. In *The Oxford Handbook of Island and Coastal Archaeology*, edited by S.M. Fitzpatrick and J. Erlandson. Oxford University Press. https://doi.org/10.1093/oxfordhb/9780197607770.013.43.

2025 **Pestle, W.J.**, H. Dine*, and A. Pourmand. Eating Local: Modeling paleodiet in Later Ceramic Age Puerto Rico. In *The Routledge Handbook of Bioarchaeology in the Caribbean*, edited by D. Weston and Y. Chinique de Armas, pp. 300–320. Routledge.

2024 **Pestle, W.J.**, M.A. Nieves-Colón, H. Dine*, and A. Pourmand. The Tibes Burials: New Perspectives on Ancient Lives. In *The Archaeology of Tibes: Life, Death, and Memory at an Early Ceremonial Center in the Caribbean*, edited by A. Curet and L. Stringer, pp. 152–175. University of Alabama Press.

2024 **Pestle, W.J.**, Torres, C.M., and G. Pimentel G. Los Viajeros Internodales del Período Formativo en el Desierto de Atacama (Norte de Chile): Agentes y Productos. In *Actas XXII Congreso Nacional de Arqueología Chilena,* edited by S. Urbina Araya, pp. 583–592. Escuela de Arqueología, Universidad Austral de Chile y Sociedad Chilena de Arqueología, Puerto Montt, Chile.

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2015 **Pestle, W.J.** and L.A. Curet. Food and Status. In *The Archaeology of Food*, edited by Mary C. Beaudry and Karen Metheny, pp. 199-200. AltaMira/Rowman & Littlefield.

2015 Rodríguez Ramos, R., Torres, J.M., **Pestle, W.J**., Oliver, J., and Rodríguez Lopez. Hacia una periodización histórica para el Puerto Rico precolonial. In *Proceedings of the 25th Congress of the International Association for Caribbean Archaeology*, edited by Laura del Olmo Frese, pp. 495-520. Una publicación del Instituto de Cultura Puertorriqueña, el Centro de Estudios Avanzados de Puerto Rico y el Caribe y la Universidad de Puerto Rico, Recinto de Río Piedras.

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2014 **Pestle, W.J.**, Torres-Rouff, C., and B. Daverman*. Strange People and Exotic Things: Constructing Akkadian Identity at Kish, Iraq. In *Remembering and Commemorating the Dead: Recent Contributions in Bioarchaeology and Mortuary Analysis from the Ancient Near East*, edited by B.J. Porter and A.T. Boutin, pp. 61-96. University of Colorado Press.

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2010 **Pestle, W.J.** "Bone Chemistry and Paleodiet at the Centro Ceremonial Indígena de Tibes, Municipo Autonomo de Ponce, Puerto Rico," in *Tibes: People, Power, and Ritual at the Center of the Cosmos,* edited by L.A. Curet and L. Stringer, pp. 209-230. University of Alabama Press, Tuscaloosa.

2007 Onderka, P., and **W.J. Pestle**. "Thebes under the Nubian Pharoahs," in *Thebes: City of Gods and Pharaohs*, edited by J. Mynářová and P. Onderka, pp. 180-187. National Museum, Prague.

2006 **Pestle, W.J.**, Wilson, K., Nash, S., and S. Coleman. Reconciling the Past: A Catalogue of Scattered Collections. In *Archäologie und Computer, Kulturelles Erbe und Neue Technologien (Cultural Heritage and New Technologies)*. Stadtarchäologie Wien, Vienna.

Exhibition catalogues

2018 **Pestle, W.J.,** White, A., and T. Norris. Antillean Visions: Maps and the Making of the Caribbean. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 8–11. In Lowe Art Museum, Coral Gables, FL.

2018 **Pestle, W.J.** Maps Before Mapping. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 12–15. In Lowe Art Museum, Coral Gables, FL.

2018 **Pestle, W.J.** Origins. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 16–19. In Lowe Art Museum, Coral Gables, FL.

2018 **Pestle, W.J.** Modern Commerce. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 38–43. In Lowe Art Museum, Coral Gables, FL.

2018 **Pestle, W.J.** Tourism. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 44–47. In Lowe Art Museum, Coral Gables, FL.

2018 Ter-Ghazaryan, D., and **W.J. Pestle**. Make a Map. In *Antillean Visions: Maps and the Making of the Caribbean*, edited by J. Deupi, pp. 60–62. In Lowe Art Museum, Coral Gables, FL.

2016 **Pestle, W.J.** Dressing for Death in the Ancient Andes. In *Kay Pacha: Reciprocity with the Natural World*, edited by Traci Ardren, pp. 162–171. Lowe Art Museum, Coral Gables, FL.

Other publications

2023 Ardren, T., Ayers-Rigsby, S., and **W.J. Pestle**. Ancient Tequesta has survived for Millennia: Will it survive the Redevelopment of Downtown Miami and Climate Change? *The Society for American Archaeology Archaeological Record* 23(5): 21–28.

2017 **Pestle, W.J.** Review of Bone Rooms: From Scientific Racism to Human Prehistory in Museums by Samuel J. Redman. *American Anthropologist*.

2014 **Pestle, W.J.** Review of Ancestral Appetites: Food in Prehistory by Kristen Gremillion. *American Anthropologist* 116(1): 208-209.

Publications in Progress

In Review Sousa del Hierro, M., Torres, C.M., Hubbe, M., Garcia, A., Sullivan, M., Ventresca-Miller, A., Rausch, A., Kasztelan, J., Gallardo, F. and **W.J. Pestle**. Modeling Formative Period (1500 BC-AD 500) diet in the Calama Oases: Topater-1 and Villa Chuquicamata. Under review at *Journal of Archaeological Science: Reports.*

In Review Martínez-López, J.G., Viñola-López, L.W., Peros, M.C., Burke, A., **Pestle, W.J.**, Phillips, B., Heinerth, J., Jaskolski, C., Pereira Sosa, M.A., Broad, K., López Cabrera, E.L., Bermúdez, E., and F.E. Amador. Overlapping Taphonomic Factors in the Differential Preservation of Fossil Assemblages from "Cueva Chicharrones", Western Cuba: Paleoecological Implications. Under review at *Caribbean Journal of Science*.

In Review Hubbe, A., Hubbe, M., Mayer, E.I., Haddad-Martim, P.M., Auler, A.S., Piló, L.B., Giannini, P.C.F., **Pestle, W.J.**, and W.A. Neves. The importance of fossiliferous deposits' context. Using the Brazilian Quaternary vertebrate paleontology to showcase its value. Under review at *Quaternary Science Reviews.*

Grants and Awards

PI/Co-PI

2022-2023 "Assessing Foraging Behaviors and Paleoenvironmental Change among the Earliest Inhabitants of Southwestern Puerto Rico". Wenner-Gren Foundation Post-PhD Research Grant, ($19,875).

2019-2022	"MRI: Acquisition of a High Resolution X-Ray Micro-Computed Tomography System for Multidisciplinary and Integrated Research and Education," Major Research Instrumentation, National Science Foundation, ($329,522).
2017	"General survey of the Headquarters Tract, Cabo Rojo National Wildlife Refuge, Cabo Rojo, Puerto Rico," Oficina Estatal de Conservación Histórica, Puerto Rico ($40,000).
2017	"Cultural Resource Survey of the Headquarters Tract, Cabo Rojo NWR, Puerto Rico," University of Miami Provost's Research Award ($16,980).
2015	"Geochemical assessment of chert exchange in ancient Puerto Rico," University of Miami Provost's Research Award ($17,000).
2014-2018	"Collaborative Research: The Emergence of Inequality in the Atacama Oases," Archaeology Program, Division of Behavioral and Cognitive Sciences, National Science Foundation ($173,068).
2014	"El Proyecto Arqueológico Regional de Añasco: Regional Archaeological Prospection in Western Puerto Rico," University of Miami Provost's Research Award ($16,000).
2014	"Research, Analysis and Databasing of Emerging High Power Directed Energy Technologies Marketed to the Clinical and Research Communities (FA7014-09-2-0003)," Air Force Office of Scientific Research ($37,852).
2013	"Research, Analysis and Databasing of Emerging High Power Directed Energy Technologies (FA7014-09-2-0003)," Air Force Office of Scientific Research ($39,215).
2011-2012	"Proyecto Arqueológico Regional de Añasco," Oficina Estatal de Conservación Histórica/State Historic Preservation Office, Oficina del Gobernador/Office of the Governor, Estado Libre Asociado de Puerto Rico/Commonwealth of Puerto Rico ($35,985). DECLINED
2008-9	Lester Armour Graduate Fellowship, Field Museum of Natural History ($25,000).
2006-2010	University Fellowship, University of Illinois at Chicago.
2006-2009	"Diet and Social Stratification in Ancient Puerto Rico," Archaeology Program, Division of Behavioral and Cognitive Sciences, National Science Foundation BCS-0612727 ($149,720).
2005	IPAM/Iraq Museum Education Project, International Partnerships Among Museums, American Association of Museums.
2004-2007	"Reconciling the Past: A Catalogue of Scattered Collections," *Recovering Iraq's Past* Initiative, National Endowment for the Humanities Grant # PI-500014-04 ($190,548).
2004	"Study of migration and subsistence in three ancient sites in Puerto Rico through bone chemistry and genetic analysis," Heinz Latin American Archaeology Program, Howard Heinz Endowment ($7,854).
2001-2002	"Archaeological Metals Project-Phase I," Anonymous Donor to the Field Museum ($114,000).

Other roles

2018-2020 "Tinker Foundation Field Research Grants". Tinker Foundation, ($30,000), [proposal co-author, member of committee awarding grants to University of Miami students].

2016-2019 "LA FRONTERA INTERIOR: Intercambios e interculturalidad en el oasis de Quillagua (Periodo Formativo 1000 ac 600 dc, norte de Chile)," Fondo Nacional de Ciencia y Tecnología; Chilean National Science and Technology Foundation Project 7933035 (amount unknown), [external researcher, performing chemical analysis of skeletal samples].

2012-2014 "Desigualdad y diversidad en el Periodo Medio (400-1000 d.C.) de los oasis Atacameños: Una reconstitución bioarqueológica de la dieta y la variación entre ayllus," Fondo Nacional de Ciencia y Tecnología; Chilean National Science and Technology Foundation Project 1120376 ($67,100), [external researcher, performing chemical analysis of skeletal samples].

2011-2014 "Intercambio y Consumo Conspicuo Funerario en el Río Loa Medio e Inferior (Desierto de Atacama)," Fondo Nacional de Ciencia y Tecnología; Chilean National Science and Technology Foundation Project 1110702 ($358,250), [external researcher, performing chemical analysis of skeletal samples].

2010-2012 "Intertwined Lives: Decoding Migration and Contact Histories in the Making of the Swahili Coast," Field Museum/IDP Foundation, Inc. African Training Fund ($14,600), [co-author of proposal, performing chemical analysis of skeletal samples].

2005-2010 "Iraq Cultural Heritage Assistance Project," from United States Department of Defense, HR 2863 ($1,000,000), [co-author of proposal, provided training for 10 visiting Iraqi archaeologists and museum personnel].

2003-2004 "Archaeological Metals Project-Phase II," Institute of Museum and Library Services ($46,544), [co-author of proposal].

2001 "A Photographic Survey of the Vanuatu Collection at The Field Museum," Museum Loan Network (Massachusetts Institute of Technology's Office of the Arts) ($13,751), [co-author of proposal].

Exhibitions curated

2018 Lead Curator, *Antillean Visions: Maps and the Making of the Caribbean*. Lowe Art Museum, University of Miami.

2016 Assistant Curator, *Kay Pacha: Reciprocity with the Natural World*. Lowe Art Museum, University of Miami.

Archaeological Fieldwork Experience

2016- Director, Proyecto Arqueológico Suroeste (PASO), Puerto Rico.

2011-2015 Director, Proyecto Arqueológico Regional de Añasco (PARA), Puerto Rico.

2010-2014 Field Director, *Proyecto Arqueológico del Centro Ceremonial de Tibes*, Puerto Rico.

2008 Archaeological Chemist, *Proyecto Arqueológico Angostura*, Puerto Rico.

2003-2014 Osteologist/Field Supervisor, *Proyecto Arqueológico del Centro Ceremonial de Tibes*, Puerto Rico.

1998 Field Archaeologist, *Tel Kedesh Archaeological Research Project*, Israel.
1997 Osteologist, *Adelphi Human Osteology Project*, Abdera, Greece.
1996 Archaeologist, *Leptiminus Archaeological Project*. Lamta, Tunisia.

Symposia Organized

Pestle, W.J., and J. Ulloa-Hung (Y. Chinique de Armas, Discussant). *Coloring outside the lines: Re-situating understandings of the lifeways of earliest peoples of the circum-Caribbean.* Symposium organized for 89th Annual Meeting of Society for American Archaeology, New Orleans, LA, April 17–21, 2024.

Presented Papers

Stone, J.H., Miller, C., Zolik, J., Dorame, M., Holden, A., Ulrich, E., Contreras-Sieck, M.A., Stene, A., Narganes Storde, Y., **Pestle, W.J.**, Rodríguez Ramos, R., Fitzpatrick, S.M., and M.A. Nieves-Colón. Reconstructing Caribbean population diversity and interactions with ancient DNA. Paper presented at XXXI International Congress of Caribbean Archaeology, Santo Domingo, Dominican Republic, July 12–18, 2026.

Pestle, W.J., Torres, C., Sabo, A.M., Gallardo, F., and G. Cabello. Paleodiet in the *Norte Semi-Arido:* First Approximations. Paper presented at the 91st Annual Meeting of the Society for American Archaeology, San Francisco, CA, April 29–May 3, 2026.

Sabo, A.M., **Pestle, W.J.**, Gallardo, F., Daza Riquelme, R., and G. Cabello. Seeking Silex: Geoarchaeological Approaches to Lithic Source Identification in the Southern Atacama Desert, Chile. Paper presented at the 91st Annual Meeting of the Society for American Archaeology, San Francisco, CA, April 29–May 3, 2026.

Torres, C., and **W.J. Pestle**. Fragments of Lives on Chile's Semiarid Coast. Paper presented at the 91st Annual Meeting of the Society for American Archaeology, San Francisco, CA, April 29–May 3, 2026.

Pestle, W.J., Sabo, A.M., Sen Roy, S., Jankiewicz, S.E., and C.E. Sherman. Adapting (or not) to Changing Seas: The Past, Present, and Future of a Southern Puerto Rican Shellscape. Paper presented at the 90th Annual Meeting of the Society for American Archaeology, Denver, CO, April 23–27, 2025.

Sabo, A.M., **Pestle, W.J.**, Gallardo, F., Dazza Riquelme, R.I., and G. Cabello. Exploring Remote Sensing for Lithic Source Geolocation in the Southern Atacama Desert, Chile. Paper presented at the 90th Annual Meeting of the Society for American Archaeology, Denver, CO, April 23–27, 2025.

Torres, C.M., Caine, A., Cabello, G., Hubbe, M., and **W.J.** Pestle. Possibilities of Care and Survival in an Isolated Skeleton from Chile's Semi-Arid North. Paper presented at the 90th Annual Meeting of the Society for American Archaeology, Denver, CO, April 23–27, 2025.

Stone, J.H., Ulrich, E., Miller, C.M., Pott, L., Zolik, J., Stenne, A., Contreras-Sieck, M.A., Rodríguez Ramos, R., **Pestle, W.J.**, Fitzpatrick, S.M., and M.A. Nieves-Colón. Tracing Caribbean population origins and interactions with ancient DNA. Poster presented at the 94th Annual Meeting of the American Association of Biological Anthropologists, Baltimore, MD, March 12-15, 2025.

Pestle, W.J., Laguer-Díaz, C., Schneider, M.J., Jankiewicz, S.E., and C.E. Sherman. Raiders of

the lost Arca: An early foraging landscape in Cabo Rojo/Lajas, southwestern Puerto Rico. Paper presented at 89th Annual Meeting of Society for American Archaeology, New Orleans, LA, April 17–21, 2024.

Sabo, A.M., Hubbe, M., Koski-Karell, D., and **W.J. Pestle**. Acknowledging behavior and process in early Caribbean stone tools: The case of the Ortiz Site, Cabo Rojo, Puerto Rico. Paper presented at 89th Annual Meeting of Society for American Archaeology, New Orleans, LA, April 17–21, 2024.

Stone J.H., Rodríguez-Ramos, R., **Pestle, W.J.**, and M.A. Nieves-Colón. Genomic contributions to understanding early Caribbean settlement. Paper presented at 89th Annual Meeting of Society for American Archaeology, New Orleans, LA, April 17–21, 2024.

Valcarcel, M., Musgrave, S., Tale, S., Ghahremaninezhad, A., and **W.J. Pestle**. Linking vertebral trabecular microstructure variation to hominid locomotion, Part I: *Homo sapiens*. Poster present at the 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV, April 19-22, 2023.

Cheverko, C.M., Schrader, S.A., Torres, C.M., **Pestle, W.J.**, and M. Hubbe. Evidence of emerging inequality in the Middle Period San Pedro de Atacama oases using entheseal patterns. Poster present at the 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV, April 19-22, 2023.

McGuire, S.A., Hubbe, M., **Pestle, W.J.**, Sharifi, A., and A. Pourmand. Plumbing New Depths in Industrialization: Anthropogenic Lead Exposure Amongst Individuals from Two English Towns. Paper present at the 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV, April 19-22, 2023.

Sabo, A.M., Koski-Karell, D., and **W.J. Pestle**. ¿Por qué (no) los dos? Investigating simultaneous blade and flake industries at the Ortiz Site, Cabo Rojo, Puerto Rico. Poster presented at 88th Annual Meeting of Society for American Archaeology, Portland, OR, March 29-April 2, 2023.

Van Meter, N., **Pestle, W.J.**, Koski-Karell, D., M. Carden. The Caribbean's First Known Fossil Pendants: Objects of Adornment and Place-Making among the Earliest Inhabitants of Southwestern Puerto Rico. Paper presented at 87th Annual Meeting of Society for American Archaeology, Chicago, IL, March 28-April 1, 2022.

Perez, E.M., Koski-Karell, D., and **W.J. Pestle**. New insights on the earliest inhabitants of southwestern Puerto Rico: Bioarchaeology of the Ortiz site burials. Paper presented at 87th Annual Meeting of Society for American Archaeology, Chicago, IL, March 28-April 1, 2022.

Wenger, S., Wojtal, P., Popendorf, K., Close, H., and **W.J.** Pestle. Snuffs to Reach the Spirit Realm – A Forensic Analysis of Ancient Hallucinogenic Snuffs from the Middle Period of the southern Andes. Paper presented at 87th Annual Meeting of Society for American Archaeology, Chicago, IL, March 28-April 1, 2022.

Jimenez, N., Durga, R., Ramanathan, S.*, Suraneni, P., and **W.J. Pestle**. Use of Thermogravimetric Analysis to Estimate Collagen and Hydroxyapatite Contents in Archaeological Bone. Poster present at the 91st Annual Meeting of the American Association of Biological Anthropologists, Denver, CO, March 24-27, 2022.

Pestle, W.J., Torres, C.M., and G. Pimentel. Los viajeros internodales del Período Formativo en el desierto de Atacama (norte de Chile): agentes y productos. Paper presented at XXII Congreso Nacional de Arqueología Chilena, Puerto Montt, Chile, December 2021.

Hubbe, M., Torres-Rouff, C., and **W.J. Pestle.** La paleodieta en San Pedro de Atacama durante

el Período Medio (~400-1000 CE): Prosperidad, intercambio y cambio cultural. Paper presented at VIII Paleopathology Association Meeting in South America, São Paulo, Brazil, August 2019.

Pinder, D., Gallardo, F. Cabello, G., Torres-Rouff, C., and **W.J. Pestle.** "An Isotopic Study of Dietary Diversity in Formative Period Ancachi, Atacama Desert, Northern Chile." Paper presented at 84th Annual Meeting of Society for American Archaeology, Albuquerque, New Mexico, April 10-14, 2019.

Pestle, W.J., Torres-Rouff, C., Smith, E.K., and D. Pinder. "Patrones dietéticos regionales en el periodo formativo del Río Loa: el rol del consumo en la construcción de nuevas identidades". Paper presented at XXI Congreso Nacional de Arqueología Chilena, Santiago, Chile, December 3-7, 2018.

Pestle, W.J. "Paleodieta en la isla encantada: a model-based reassessment of ancient Puerto Rican dietary practices". Paper presented at XIV Conferencia Científica Internacional "Antropología 2018", Havana, Cuba, November 20-23, 2018.

Torres-Rouff, C., **Pestle, W.J.**, and M. Hubbe. "Una mirada de síntesis a la paleodieta en San Pedro de Atacama durante el Período Medio (~400-1000 dC): Prosperidad, intercambio y cambio cultural". Paper presented at 15th Congress of the Latin American Association for Biological Anthropology (ALAB), Mayagüez, Puerto Rico, November 1-4, 2018.

Pestle, W.J., and M. Nieves-Colón. "A reassessment of ancient Puerto Rican paleodiet and mobility". Paper presented at 15th Congress of the Latin American Association for Biological Anthropology (ALAB), Mayagüez, Puerto Rico, November 1-4, 2018.

Laffoon, J., and **W.J. Pestle**. "Quantitative Paleodietary Reconstruction with Complex Foodwebs: An Isotopic Case Study from the Caribbean". Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, DC, April 11-15, 2018.

Pestle, W.J., Torres-Rouff, C., and M. Hubbe. "An integrative study of the emergence of social inequality: Bioarchaeological and biogeochemical analyses of the Coyo Oriental cemetery, northern Chile". Paper presented at the 87th Annual Meeting of the American Association of Physical Anthropologists, Austin, TX, April 11-14, 2018.

Pestle, W.J. "Teaching Anthropology in a Post-truth World". Paper presented at the 116th Annual Meeting of the American Anthropological Association, Washington, DC, November 29-December 3, 2017.

Pestle, W.J., Torres-Rouff, C., and M. Hubbe. "Modeling dietary variability in Middle Period San Pedro de Atacama, northern Chile". Paper presented at 86th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017.

Torres-Rouff, C., **Pestle, W.J.**, Pimentel, G., and K.J. Knudson. "Moving across the desert: Investigating the remains of travelers who died traversing the Chilean Atacama". Paper presented at 86th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017.

Nieves-Colon, M., **Pestle, W.J.**, Benn-Torres, J. and A.C. Stone. "Migration, admixture and genetic continuity in pre and post-contact Puerto Rico". Paper presented at 86th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017.

Pestle, W.J., Torres-Rouff, C., Gallardo Ibanez, F., and G.A. Cabello. "The Interior Frontier: Intercultural Exchange in the Formative Period (1000 B.C.-A.D. 400) of Quillagua,

Antofagasta Region, northern Chile". Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC, March 29-April 2, 2017.

Mann, E.M., **Pestle, W.J.**, Ardren, T., Harke, R., and M. Faraldo. "Taking Stock of Shell vs. Seafood: Malacological Resource Utilization on Stock Island". Paper presented at 73rd Southeastern Archaeological Conference, Athens, GA, October 26-29, 2016.

Mann, E.M., **Pestle, W.J.**, McNeill, D.F., Carr, R.S., and R. Franklin. "Establishing Tequesta Settlement Chronology through Geochemical Analysis of Calcretes". Paper presented at 73rd Southeastern Archaeological Conference, Athens, GA, October 26-29, 2016.

Torres-Rouff, C., **Pestle, W.J.**, Hubbe, M., and E.K. Smith. "Modelaje de diferencias en la dietas de grupos del Periodo Medio de San Pedro de Atacama, Chile". Paper presented at XIX Congreso Nacional de Arqueología Argentina, Tucuman, Argentina, August 8-12, 2016.

Pestle, W.J., Smith, E.K., Clarot, A.*, and F. Gallardo. "Isotopic evidence for weaning timing among Formative populations of Caleta Huelén, northern Chile". Paper presented at 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-17, 2016.

Torres-Rouff, C., **Pestle, W.J.**, Hubbe, M., Pimentel, G., and E.K. Smith, "Wearing the marks of violence: Unusual trauma patterning at Coyo Oriente, northern Chile (AD 400-1000)". Poster presented at 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-17, 2016.

Pestle, W.J. "The burials of Tibes, Reconsidered". Paper presented at 81st Annual Meeting of the Society for American Archaeology, Orlando, FL, April 7-10, 2016.

Curet, L.A., Stringer, L., and **W.J. Pestle**. "The Archaeological Project of the Ceremonial Center of Tibes: Summary and Recent Discoveries". Paper presented at 81st Annual Meeting of the Society for American Archaeology, Orlando, FL, April 7-10, 2016.

Colón, M.N., **Pestle, W.J.,** and A.C. Stone. "Preliminary Ancient DNA Analysis Suggests a Complex Origins Scenario for Pre-contact Puerto Rican Populations". Paper presented at 81st Annual Meeting of the Society for American Archaeology, Orlando, FL, April 7-10, 2016.

Pimentel, G., Ugarte, M., Torres-Rouff, C., Blanco, J., García, M., Knudson, K.J., and **W.J. Pestle**. "Calate. De Lugar Desnudo a Laboratorio Arqueológico de la Movilidad y el Tráfico Prehispánico en el Desierto de Atacama". Paper presented at 20th Congreso Nacional de Arqueología Chilena, Concepción, Chile, October 5-9, 2015.

Torres-Rouff, C., **Pestle, W.J.**, Knudson, K.J., and G. Pimentel. "Entierros en Ruta: Una Perspectiva Bioantropológica y Biogeoquímica sobre La Movilidad en Los Espacios Internodales del Norte de Chile". Paper presented at 20th Congreso Nacional de Arqueología Chilena, Concepción, Chile, October 5-9, 2015.

Pestle, **W.J.,** Hubbe, M., Torres-Rouff, C., and F. Gallardo. "Aplicación de Modelos de Mezcla de Recursos en la Paleodieta del Período Formativo en el Desierto de Atacama". Paper presented at 20th Congreso Nacional de Arqueología Chilena, Concepción, Chile, October 5-9, 2015.

Pestle, **W.J.,** Curet, L.A., Torres, J., and J. Stevenson. "Regional Prospection Methods: Lessons from the *Proyecto Arqueológico Regional de Añasco*, Puerto Rico". Paper presented at 26th Congress of the International Association for Caribbean Archaeology, St. Martin, July 19-25, 2015.

Laguer Diaz, C., Curet, L.A., **Pestle, W.J.,** and J. Torres. "Historical sites in western Puerto Rico from the *Proyecto Arqueológico Regional de Añasco (PARA),* Puerto Rico". Paper

presented at 26th Congress of the International Association for Caribbean Archaeology, St. Martin, July 19-25, 2015.

Curet, L.A., **Pestle, W.J.**, and J. Torres. "Evaluating evidence from the *Proyecto Arqueológico Regional de Añasco* (PARA), Puerto Rico". Paper presented at 26th Congress of the International Association for Caribbean Archaeology, St. Martin, July 19-25, 2015.

Nieves-Colón, M.A., Carpenter, M., Adams, A.F., **Pestle, W.J.**, Bustamante, C.D., and A.C. Stone. "Preliminary insights into the genetic diversity of pre-contact Puerto Rican Populations". Paper presented at 2015 Annual Meeting of the Society for Molecular Biology and Evolution, Vienna, Austria.

Pestle, W.J., Torres-Rouff, C., and F. Gallardo. "Life and Death at the Mouth of the River Loa: Bioarchaeological and Biogeochemical Analysis of Human Remains from Formative Period Northern Chile". Poster presented at the Annual Meeting of the Society for American Archaeology, Austin, TX, April 15-19, 2015.

Smith, E., **Pestle, W.J.**, F. Gallardo, and C. Torres-Rouff. "Isotopic Analysis of Dietary Variation in Formative Period Chile". Poster presented at the Annual Meeting of the Society for American Archaeology, Austin, TX, April 15-19, 2015.

Buck, S., Hubbe, M., Torres-Rouff, C., and **W.J. Pestle**. "The growing divide: emergent social inequality in San Pedro de Atacama during the Middle Horizon". Paper presented at the 84th Annual Meeting of the American Association of Physical Anthropology. Saint Louis, MO. April 4-10, 2015.

Nieves-Colón, M.A., Ozga, A., Honap, T.P., **Pestle, W.J.**, Warinner, C., and A.C. Stone. "Comparison of aDNA yields from calculus and tooth roots in pre-Columbian skeletal remains". Paper presented at the 84th Annual Meeting of the American Association of Physical Anthropology. Saint Louis, MO. April 4-10, 2015.

Buck, S., Hubbe, M., Torres-Rouff, C., and **W.J. Pestle**. "Moving on up? Migration, status, and stress in San Pedro de Atacama". Paper presented at the 42nd Annual North American Meeting of the Paleopathology Association. Saint Louis, MO, April 3-4, 2015.

Torres-Rouff, C., Hubbe, M., **Pestle, W.J.**, and K. Knudson. "Explorando la desigualdad mediante la bioarqueología: Una consideración detallada de los entierros de Larache (AD 400-1000), San Pedro de Atacama, Chile". Paper presented at the XIII Congreso de la Asociación Latinoamericana de Antropología Biológica. Santiago, Chile, 2014.

W.J. Pestle, L.A. Curet, J. Torres, R. Rodríguez Ramos, and C. Laguer Diaz. "Proyecto Arqueológico Regional de Añasco: New Findings and Settlement Research Trajectories in Western Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, Austin, TX, April 24-28, 2014.

Nieves Colón, M.A., **W.J. Pestle**, and A.C. Stone. "Ancient DNA analysis of human skeletal remains from pre-Columbian Puerto Rico." Poster presented at the Annual Meeting of the American Association of Physical Anthropologists, Calgary, AB, Canada, April 10-13, 2014.

Torres-Rouff, C., M. Hubbe, **W.J. Pestle**, and K. Knudson. "Glimpsing internal variation and inequality through bioarchaeology: A consideration of dental health and paleodiet at Larache (AD 400-1000), San Pedro de Atacama, Chile." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Calgary, AB, Canada, April 10-13, 2014.

Nieves Colón, M.A., **W.J. Pestle**, and A.C. Stone. "Preliminary assessment of DNA preservation in skeletal remains from three pre-Columbian Puerto Rican sites". Poster presented at the

25th Congress of the International Association for Caribbean Archaeology, San Juan, PR, July 15-20, 2013.

Curet, L.A., **W.J. Pestle**, L. Stringer, and D. Green. "Evidence of a Major Flood Event in Southern Puerto Rico: The Case of the Ceremonial Center of Tibes." Paper presented at the 25th Congress of the International Association for Caribbean Archaeology, San Juan, PR, July 15-20, 2013.

W.J. Pestle, Curet, L.A., and L. Stringer. "Human Skeletal Remains from Tibes, Puerto Rico 2007-2010." Paper presented at the 25th Congress of the International Association for Caribbean Archaeology, San Juan, PR, July 15-20, 2013.

Rodriguez, R., Torres, J., **Pestle, W.J.**, Oliver, J., Curet, L.A., and M. Rodríguez. "Una nueva cronología cultural para el Puerto Rico precolonial." Paper presented at the 25th Congress of the International Association for Caribbean Archaeology, San Juan, PR, July 15-20, 2013.

Nieves-Colón, M.A., **Pestle, W.J.**, and A.C. Stone. "Ancient DNA and the population history of pre-Columbian Puerto Rico". Symposium: Genomic perspectives on the population history of the Americas. 2014 Annual Meeting of the Society for Molecular Biology and Evolution, San Juan, Puerto Rico, June 2014.

W.J. Pestle, Torres-Rouff, C., Hubbe, M., Gallardo, F., and G. Pimentel. "Moving Food, Moving People: Regional and Local Patterns of Dietary Variation in the Formative Period Atacama Desert, northern Chile." Paper presented at the Annual Meeting of the Society for American Archaeology, Honolulu, HI, April 3-7, 2013.

Torres-Rouff, C., **Pestle, W.J.**, Knudson, K.J., and F. Gallardo. "Living on the seashore: A consideration of lifestyle among Formative Period fisherpeoples of northern Chile." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 9-13, 2013.

Pestle, W.J., Weirauch, M.T., and B.E. Crowley. "Investigating inter-laboratory variability in stable isotope data." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 9-13, 2013.

Pestle, W.J. "In Death as in Life: Mortuary and Isotopic Variation in Ceramic Age Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, Memphis, Tennessee, April 18-22, 2012.

Torres-Rouff, C, **W.J. Pestle**, and G. Pimentel. "Dying Along the Way: Analysis of Human Remains and Mortuary Contexts from Prehistoric Routes in Northern Chile's Atacama Desert." Paper presented at the Annual Meeting of the Society for American Archaeology, Memphis, Tennessee, April 18-22, 2012.

Pestle, W.J., C. Torres-Rouff, M. Hubbe, F. Santana, G. Pimentel, F. Gallardo, and K. Knudson. "Dietary Diversity in the Prehistoric Atacama Desert: an Initial Approximation of Regional Patterns." Paper presented at the 40th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Chicago, IL, February 25-26, 2012.

Pestle, W.J., and L.A. Curet. "Everything's Not Lost: Biochemical Assessment of Taphonomy and Diagenesis in Human Skeletal Remains from pre-Columbian Puerto Rico." Paper presented at the III Congreso Latinoamericano de Arqueometría, Arica, Chile, November 14-18, 2011.

Torres-Rouff, C., M. Hubbe, **W.J. Pestle**, F. Santana, and K.J. Knudson. "Una primera vista a la variación en dieta en la prehistoria del desierto de Atacama." Paper presented at the III Congreso Latinoamericano de Arqueometría, Arica, Chile, November 14-18, 2011.

Pestle, W.J., L.A. Curet, M. Rodríguez López, and R. Rodríguez Ramos. "What's a Cuevas? Chronology and Cultural Diversity in Later Saladoid Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, Sacramento, California, March 30-April 3, 2011.

Torres-Rouff, C., **W.J. Pestle**, and B.M. Daverman. "An Attempt at Re-Contextualizing Bodies and Lives: The 'A Cemetery' at Kish." Paper presented at the Annual Meeting of the Society for American Archaeology, Sacramento, California, March 30-April 3, 2011.

Pestle, W.J. "Intra-societal Dietary Variation in Pre-historic Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, St. Louis, Missouri, April 14-18, 2010.

Wang, A., A. Miro, **W.J. Pestle**, L.A. Curet, and C. Mulligan. "Mitochondrial DNA from pre-Columbian Tainos and the prehistoric colonization of Puerto Rico." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, New Mexico, April 14-17, 2010.

Torres-Rouff, C., and **W.J. Pestle**. "Movements of People, Foods, and Ideas: Chemical and Bioarchaeological Analyses of Human Remains from the San Salvador Cemetery, North Chile." Paper presented at the Annual Meeting of the Society for American Archaeology, St. Louis, Missouri, April 14-18, 2010.

Knudson, K.J., **W.J. Pestle**, C. Torres-Rouff, and G. Pimentel. "Life and death of an Andean traveler: Isotopic evidence for geographic origins and paleodiet in an individual buried along a route connecting the coast and interior of the Atacama Desert, northern Chile." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, New Mexico, April 14-17, 2010.

Pestle, **W.J.** "Paleodiet and Socio-Political change in Prehistoric Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, Atlanta, GA, April 25, 2009.

Curet, L.A. and **W.J. Pestle**, "Determining the Marine Reservoir Correction of Radiocarbon Dates for Southern Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, Atlanta, GA, April 25, 2009.

Pestle, **W.J.** "High resolution radiometric and stable isotopic analysis of pre-Columbian Puerto Rican paleodiet." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Chicago, IL, April 2, 2009. Abstracted in American Journal of Physical Anthropology 138(S48): 210.

Torres-Rouff, C., **W.J. Pestle**, and B. Daverman, ""Where Kingship Came from the Heavens: Social, Political, and Temporal Patterns of Health at Kish." Paper presented at the Annual Meeting of the American School of Oriental Research, Boston, MA, November 22, 2008.

Daverman, B., C. Torres-Rouff, and **W.J. Pestle**, "A preliminary bioarchaeological analysis of health among the inhabitants of Kish, Iraq." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Columbus, OH, April 10, 2008. Abstracted in American Journal of Physical Anthropology 135(S46): 87.

Laffoon, J.E., L.A. Curet, P.R. Williams, **W.J. Pestle**, and L. Dussubieux, "Comparing the Results of trace element analysis of human tissues using ICP-MS versus LA-ICP-MS." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Columbus, OH, April 10, 2008. Abstracted in American Journal of Physical Anthropology 135(S46): 136.

Torres-Rouff, C., and **W.J. Pestle**, "Skeletal Biology and Mortuary Practices at Kish, Iraq: A Preliminary Investigation of the Human Remains Excavated by the Joint Oxford-Field Museum Expedition (1923-1933)." Paper presented at the Annual Meeting of the American School of Oriental Research, San Diego, CA, November 17, 2007.

Pestle, W.J. and C. Torres-Rouff, "Preliminary investigation of infant burials from 3rd millennium BC Kish, Iraq." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Philadelphia, PA, March 30, 2007. Abstracted in American Journal of Physical Anthropology 132(S44): 187.

Curet, L.A., **W.J. Pestle**, J.E. Laffoon, and E. Crespo, "Los Muertos Si Hablan: Estudio Preliminar de Análisis Químico, Genético y Osteológico de Huesos Humanos de Puerto Rico." Paper presented at the Congreso de Antropología y Arqueología Fernando Luna Calderón, Santo Domingo, DR, October 12, 2006.

Pestle, W.J. "Bone Chemistry and Paleodiet at Tibes." Paper presented at the Annual Meeting of the Society for American Archaeology, San Juan, PR, April 27, 2006.

Laffoon, J.E., S. Williams, **W.J. Pestle**, and L.A. Curet "Preliminary Analysis of Ancient DNA from Prehistoric Populations of Puerto Rico." Paper presented at the Annual Meeting of the Society for American Archaeology, San Juan, PR, April 28, 2006.

Pestle, W.J., M. Colvard, and R. Jurevic "Brucellosis in Middle Woodland Illinois." Paper presented at the Annual Meeting of the Paleopathology Association, Milwaukee, WI, April 6, 2005.

Pestle, W.J. "Evidence of brucellosis in Middle Woodland Illinois?" Paper presented at the Annual Meeting of the Midwestern Bioarchaeology and Forensics Association, Norman, OK, October 30, 2004.

Pestle, W.J., M. Colvard, and S. Demel "Preliminary report on the human skeletal remains from the Kubinski site (11WI1186), a Middle Woodland period ossuary." Paper presented at the Annual Meeting of the American Association of Physical Anthropologists, Tampa, FL, April 15, 2004. Abstracted in American Journal of Physical Anthropology 123(S38): 128-129

Pestle, W.J. and M. Colvard "Preliminary Report on a Newly (Re)discovered Mandible from Solutré, Saône-et-Loire." Paper presented at the Annual Meeting of the Midwestern Bioarchaeology and Forensics Association, Chicago, IL, October 11, 2003.

Pestle, W.J. "Developing a Risk Mitigation and Recovery Plan for Museum Collections." Paper presented at the Annual Meeting of the Chicago Area Registrar's Council, Chicago, IL, September 12, 2003.

Invited Lectures and Presentations

"Comer, pescar, remar: ¿qué nos dicen los restos humanos sobre la vida del pasado?" I Journada de Arqueología, Museo Regional de Atacama. June 27, 2026.

"Archaeology: From the Stone Age to the Space Age." SOAR Lifelogn Learning Institute. May 13, 2026.

"Desigualdad social e interacciones regionales en la prehistoria de Atacama". Invited presentation to the Museo del Parque el Loa (Corporación de Cultura y Turismo de Calama). August 1, 2016.

"Islands in the Stream: Conceptualizing the Role of Water in the Prehistoric Caribbean". University of California, Merced Seminar in the Humanities. November 12, 2015.

"Life and Death at Kish: Advances in the Re-Analysis of the Human Skeletal Remains." With C. Torres-Rouff and B. Daverman, The Field Museum of Natural History Symposium: Where Kingship Descended from Heaven: The Ancient City of Kish, November, 2008.

"From one information age to another: The legacy of Kish." The Third Roger Moorey Memorial Lecture, Ashmolean Museum/St. John's College, University of Oxford, May 30, 2007 (also presented at Crow Canyon Archaeological Center, Cortez, CO, November 2007 and Denver Museum of Nature and Science, November 2007).

"I've Got X-Ray Specs: Opportunities and Limitations of Three-Dimensional Imaging Using Medical Computed Tomography, Examples from the Field Museum." With JP Brown, The Art Institute of Chicago/ Northwestern University Joint Seminar Series on Conservation Science, X-Ray and 3D Imaging for Medical Applications and Art Investigation: Is There a Digital Advantage? September 2006.

"What Price Progress" Illinois Humanities Council "True Teaching, True Learning Seminar." St. Mary's College of the Lake, June 2006.

"Recent Activities of the Field Museum of Natural History's Anthropology Department." South Suburban Archaeological Society, March 2001.

Courses Prepared to Teach

Introduction to Anthropology (4-field)
Introduction to Archaeology
Introduction to Physical Anthropology
Archaeometry
Caribbean Prehistory/Archaeology
Archaeological Method and Theory
Human Osteology
Bioarchaeology
Paleopathology
Dental Anthropology
Technology and Human Values
Anthropology of Food

Professional Memberships

Society for American Archaeology
International Association for Caribbean Archaeology
American Association of Biological Anthropologists
Sociedad Chilena de Arqueología (SCHA)