

SARA J. MARSTELLER

School of Human Evolution and Social Change, Arizona State University
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EDUCATION

- 2015 **PhD, Anthropology.**
School of Human Evolution and Social Change, Arizona State University.
- 2009 **MA, Anthropology.**
School of Human Evolution and Social Change, Arizona State University.
- 2007 **BA, Biology.**
Cornell College.

ACADEMIC POSITIONS HELD

- 2022-present **Associate Teaching Professor (formerly Senior Lecturer)**, School of Human Evolution & Social Change, Arizona State University, Tempe, AZ
- 2017-2022 **Lecturer**, School of Human Evolution & Social Change, Arizona State University, Tempe, AZ
- 2018-present **Affiliated Faculty**, Center for Bioarchaeological Research, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2015-2017 **Postdoctoral Scholar (Teaching)**, School of Human Evolution & Social Change, Arizona State University, Tempe, AZ
- 2008-2015 **Graduate Teaching and Research Associate**, Arizona State University, Tempe, AZ

TEACHING & MENTORING***Courses and Programs Developed***

- 2023 Major revisions to online course, ASM 246 Human Origins, Earned Admission, Learning Enterprise, Arizona State University (Replaced all course readings and test questions; Created seven new interactive learning activities; Assisted with lecture revisions)
- 2022 Developed new Discovery Seminar course, LIA 194 Food, Health, and Identities - Focus on South America, The College of Liberal Arts and Sciences, Arizona State University
- 2018 Developed new study abroad program, Food, Health and Identities in Peru
- 2017 Developed online course, ASB 462 Medical Anthropology, Arizona State University
- 2016 Developed new online course, ASB 333 Frauds, Myths and Mysteries (formerly ASB 394 Myth Busters), Arizona State University
- 2015 Developed new online course, ASB 301 Global History of Health, Arizona State University

Course Development Assistance

- 2014 Assisted course development, Human Sexuality, Arizona State University (Online, ASM 210, Fall, updated quizzes, videos, and assignments)

- 2014 Assisted course development, Disaster!, Arizona State University (Online, ASM 327, Spring, created quiz questions)
- 2010 Assisted course development, Death and Dying in Cross-Cultural Perspective, Arizona State University (Online, ASB 353, Fall, created lectures, exams, and assignments)

Courses Taught

- 2017-present Medical Anthropology (Online, ASB 462, Spring & Fall*)
- 2016-present Frauds, Myths and Mysteries (Online, ASB 333, Spring, Summer & Fall*)
- 2015-present Global History of Health (Online, ASB 301, Spring, Summer & Fall*)
- 2015-present Human Origins (Online, ASM 246 Earned Admission, Spring, Summer & Fall*)
- 2015-2020 Introduction to Cultural Anthropology, formerly Culture in a Globalizing World, (Online and In-person/online hybrid, ASB 102 intermittent semesters)
- 2016 Buried Cities and Lost Tribes (Online, ASB 222, Spring & Fall)
- 2014 Human Sexuality-Anthropological Perspectives (Online, ASB 210, Fall)
- 2011 Death and Dying in Cross-Cultural Perspective (Online, ASB 353, Fall)

**Courses not taught in Fall 2024 due to parental leave.*

Study Abroad Teaching

- 2018-2019 Faculty Director, Study Abroad in Peru: Food, Health and Identity, Arizona State University, Lima and Cusco, Peru
- 2017-2019 Faculty Mentor, ASU in Peru: Community Partnerships in Global Health, Internship offered by VivePeru, Arizona State University
- 2016 Program Assistant, Study Abroad in Fiji: Adventures in Culture, Health, and Environment, Arizona State University, Sigatoka and Nadi, Fiji
- 2013 Director, Bioarchaeological Research Methods Workshop - Armatambo and Rinconada Alta, Ychsma Bioarchaeology Research Program, Lima, Peru
- 2012-2013 Instructor, Bioarchaeology Workshop, Peruvian Central Coast Archaeological Field School, Institute of Peruvian Studies, Lima, Peru

Students Mentored

PhD committee member, Arizona State University.

Students mentored:

Emily Brooks, in progress.

Undergraduate honors thesis committee member, Arizona State University.

Students mentored:

Madison Heldman, Understanding the Misconceptions of AI-Usage Within and Its Detriment to the Space Industry. In progress, expected Spring 2025.

Swarna Kandala, Title: Treatments, Beliefs and Public Health measures for the Bubonic Plague in Europe and India during the Third Plague Pandemic. In progress, expected Fall 2025.

Annabelle D'Agostino, Title: Pandemics, Plague, and Public Health: How Vaccine Hesitancy Has Changed Throughout History. Completed Spring 2023.

Emily Dunlop, Title: Saving our Souls: Understanding and Re-evaluating the Human Relationship with Death. Completed Spring 2022.

Eleanor Jo, Title: The Foundations for Perceptions of Death in the Modern United States.

Completed Spring 2021.

Jordan Dragon, Title: Utilization of Cultural and Socioeconomic Determinants from the Community of Señor de los Milagros in Trujillo, Peru to Identify Barriers to Care in the Public Health Sector. Completed Spring 2020.

Sibella Cambell, Title: A Case Study in the Developmental Origins of Health and Disease of Two Ancient Andean Agriculturalists. Completed Spring 2019.

Undergraduate Research Apprenticeship Program, Archaeological Chemistry Laboratory, School of Human Evolution and Social Change Arizona State University. 2013-2014, 2 semesters.

Students mentored: **Shannon Aston, Julie Cleaton, Brittany Cottam, Brynn Douglas, Jeremiah Ewbank, Alexandra Kollman, Amber Redger, Kelsey Vaughan**

Teaching Assistant

- 2013-2015 Human Origins, Arizona State University (Online, ASM 246, intermittent semesters)
- 2013 Human Behavior through Bone Chemistry, Arizona State University (Laboratory instructor, ASM 453/553)
- 2013 Human Osteology, Arizona State University (Laboratory instructor, ASM 341, Spring)
- 2013 Forensic Anthropology, Arizona State University (Online, ASM 275, Fall)
- 2010 Buried Civilizations of the Americas, Arizona State University (In person, ASB 223, Spring)
- 2009, 2011 Bones, Stones, and Human Evolution, Arizona State University (Laboratory instructor, ASM 104, Spring)
- 2008 Death and Dying in Cross-Cultural Perspective, Arizona State University (In person, ASB 353, Fall)

Teaching Awards and Certifications

- 2022, 2021 Nominee, Outstanding Lecturer Award, The College of Liberal Arts and Sciences, Arizona State University
- 2019 Certificate in Effective College Instruction, The Association of College and University Educators and the American Council on Education
- 2019 Excellence in Teaching Award, School of Human Evolution and Social Change, Arizona State University
- 2016 Certification, Applying the Quality Matters Rubric (APPQMR) for course review, Quality Matters Program, facilitated by Arizona State University
- 2015 Teaching Associate Excellence Award, School of Human Evolution and Social Change, Arizona State University
- 2014 Nominee, Graduate Teaching Excellence Award, Graduate and Professional Student Association, Arizona State University

Service to the Unit Related to Delivery of High-Quality Instruction

- 2025-present Chair, Committee on Career Skills Modules in Unit Courses for The College Future Initiatives, School of Human Evolution and Social Change, Arizona State University
- 2021-present Faculty representative, The College Faculty Digital Initiatives Committee, The Dean's Office of The College of Liberal Arts and Sciences, Arizona State University
- 2022-present Manager, Grader hires, School of Human Evolution and Social Change, Arizona State University

- 2017-present Assist with administrative work and recruiting for School of Human Evolution and Social Change Study Abroad Programs, Arizona State University
- 2017-present Hire summer Graduate Student Assistant course support positions for the School of Human Evolution and Social Change, Arizona State University
- 2015-present Course Team Lead, ASM 246 Human Origins, Open Scale/Global Freshman Academy Course, Universal Learner Courses (formerly on Earned Admission, edX), Arizona State University
- 2018-2023 Presenter, Pedagogy for Online and In Person Teaching, TA/RA Training, School of Human Evolution and Social Change Study Abroad Programs, Arizona State University
- 2021-2022 Faculty representative, Committee to develop the Online Undergraduate Research Scholars (OURS) Program for the Social Sciences Division of The College of Liberal Arts and Sciences, Arizona State University
- 2016-2022 Unit Liaison to ASU Online, School of Human Evolution and Social Change, Arizona State University
- 2016-2022 Unit Liaison to The College of Liberal Arts and Sciences Instructional Design and Technology collaboration group, Arizona State University
- 2019-2020 Canvas Liaison to the University Technology Office, School of Human of Human Evolution and Social Change Unit, Arizona State University
- 2018 Committee member, Instructor search committee, School of Human Evolution and Social Change Study Abroad Programs, Arizona State University
- 2017 Management of applications for general studies designations for new courses, School of Human Evolution and Social Change, Arizona State University
- 2016-2017 Faculty and graduate student training in online course development and teaching, School of Human Evolution and Social Change, Arizona State University

Additional Professional Development Related to Teaching

- 2024 Various workshops on using AI in assignments, rubrics, video creation, and PlayPosit interactive video learning, Arizona State University
- 2022-2023 AI @ ASU Community of Practice – Teaching and Learning events, Arizona State University
- 2021 Completion of Inclusive Teaching Series, The College of Liberal Arts and Sciences, Arizona State University
- 2021 Participant, REMOTE: Connected Faculty Summit Conference, Arizona State University.
- 2016 Completion of Master Class for Online Teaching, ASU Online, Arizona State University

Use of New Formats or Technologies in Instruction

- 2022-present Utilization of H5P/Orchard for development of online interactive course activities, ASM 246 Human Origins, Learning Enterprise, Arizona State University
- 2017-present Utilization of EthnoMed website (www.ethnomed.org) in Mental Illness and Cultural Competencies Assignment, ASB 462 Medical Anthropology, Arizona State University
- 2015-present Utilization of World Digital Library (www.wdl.org) in You Be the Historian! Assignment, ASB 301 Global History of Health, Arizona State University

- 2020-2022 Utilization of Peer Reviews feature in Canvas, ASB 333 Frauds, Myths and Mysteries and ASB 462 Medical Anthropology, Arizona State University
- 2019-2020 Migration of courses from Blackboard to Canvas, Arizona State University
- 2018 Piloted Inscribe discussion tool now used across univeristy, Universal Learner Courses (formerly Earned Admission), Arizona State University

Invited Guest Lectures Related to Teaching

- 2023 Were There Aliens? Aliens and Pseudoarchaeology, Guest Lecture, Unified Anthropology Association Online, Arizona State University
- 2022, 2021 Bioarchaeology & Social Identities, Guest Lecture, ASM 300 Anthropological Sciences Seminar, School of Human Evolution and Social Change, Arizona State University
- 2021 Examining Human Health through a Global and Historical Lens, Guest Lecture, Global Health Student Association, Arizona State University

PUBLICATIONS

Peer Reviewed Journal Articles

- 2020 Scaffidi, BK, TA Tung, G Gordon, AK Alaica, LM González La Rosa, **SJ Marsteller**, A Dahlstedt, E Schach, KJ Knudson. Drinking Locally: A Water ⁸⁷Sr/⁸⁶Sr Isoscape for Geolocation of Archaeological Samples in the Peruvian Andes. *Frontiers in Ecology and Evolution* 8:281.
- 2017 **Marsteller, SJ**, KJ Knudson, G Gordon, A Anbar. Biogeochemical Reconstructions of Life Histories as a Method to Assess Regional Interactions: Stable Oxygen and Radiogenic Strontium Isotopes and Late Intermediate Period Mobility on the Central Peruvian Coast. *Journal of Archaeological Science: Reports* 13:535-546.
- 2017 **Marsteller, SJ**, KJ Knudson, N Zolotova. Investigating Economic Specialization on the Central Peruvian Coast: A Reconstruction of Late Intermediate Period Ychsma Diet Using Stable Carbon and Nitrogen Isotopes. *American Journal of Physical Anthropology* 162:300-317.
- 2012 Nado, KL, **SJ Marsteller**, LM King, BM Daverman, C Torres-Rouff, and KJ Knudson. Examining Local Social Identities Through Patterns of Biological and Cultural Variation in the Solcor *Ayllu*, San Pedro de Atacama, Chile. *Chungará, Revista de Antropología Chilena* 44:341-357.
- 2011 **Marsteller, SJ**, C Torres-Rouff, and KJ Knudson. Pre-Columbian Andean Sickness Ideology and the Social Experience of Leishmaniasis: A Contextualized Analysis of Bioarchaeological and Paleopathological Data from San Pedro de Atacama, Chile. *International Journal of Paleopathology* 1:24-34.
- 2009 **Marsteller, SJ**, DC Adams, ML Collyer, M Condon. Six Cryptic Species on a Single Species of Host Plant: Morphometric Evidence for Possible Reproductive Character Displacement. *Ecological Entomology* 34:66-73.
- 2008 Condon, M, DC Adams, D Bann, K Flaherty, J Gammons, J Johnson, ML Lewis, **SJ Marsteller**, SJ Scheffer, F Serna, and S Swensen. Uncovering Tropical Diversity: Six Sympatric Cryptic Species of *Blepharoneura* (Diptera: Tephritidae) in Flowers of *Gurania spinulosa* (Cucurbitaceae) in Eastern Ecuador. *Biological Journal of the Linnaean Society* 93:779-797.

Reports and non-reviewed publications

- 2015 **Marsteller, SJ.** Informe técnico científico de proyecto de exportación de muestras arqueológicas con fines científicos del proyecto de investigación - La construcción social de las comunidades ychsma de Armatambo y La Rinconada Alta. Final technical report submitted to the Ministerio de Cultura, Lima, Peru. June 12.
- 2012 **Marsteller, SJ.** Informe de investigaciones del proyecto de investigación - La construcción social de las comunidades ychsma de Armatambo y La Rinconada Alta. Final research report submitted to the Museo Nacional de Antropología, Arqueología e Historia del Perú, Lima, Peru. November 29.
- 2012 **Marsteller, SJ,** and G Marcone. La importancia sociopolítica de los entierros de niños de 'Lote B' (Cerro Manchay) del valle bajo de Lurín. *Arqueología y Sociedad* (Lima, Peru) 24:249-268.
- 2009 **Marsteller, SJ.** Preliminary Report on the Osteological Analysis of Human Skeletal Remains from Lote B - Cerro Manchay, Lower Lurín Valley, Peru. Submitted to the Proyecto Lote B - Cerro Manchay.

GRANTS, FELLOWSHIPS, AND AWARDS

External Research Grants

- 2012 National Science Foundation Doctoral Dissertation Improvement Grant, BCS-1143568: *Ychsma Community Construction: Dietary Practices, Mortuary Rituals and Group Identity on the Central Peruvian Coast (c. AD 900-1470)*. Amount received: \$20,000.
- 2012 Wenner-Gren Foundation for Anthropological Research Dissertation Fieldwork Grant, 8468. Title: *Dietary Practices, Mortuary Rituals, and the Social Construction of Ychsma Community Identity (c. AD 900-1470)*. Amount received: \$15,178.
- 2010 Sigma Xi Scientific Research Society Grant-in-Aid of Research. Title: *A Biogeochemical Approach to Highland-Coastal Community Interaction in the Lurín Valley, Peru: Quantifying Regional Strontium and Oxygen Isotope Variation*. Amount received: \$745.

Intramural Research Grants

- 2012 Foster Latin American Summer Award, School of International Letters & Cultures, Arizona State University
- 2011 Arizona State University Chapter of Sigma Xi Scientific Research Society Grant-in-Aid of Research.
- 2009 Graduate and Professional Student Association Graduate Research Support Program, Arizona State University

Fellowships

- 2013-2015 Dean's Advanced Scholarship, School of Human Evolution & Social Change, Arizona State University
- 2007-2012 Graduate Research and Teaching Fellowship, School of Human Evolution & Social Change, Arizona State University
- 2003-2007 Robert C. Byrd Honors Scholarship, Office of Postsecondary Education, United States Department of Education
- 2003-2007 William Fletcher King Academic Scholarship, Cornell College

Awards

- 2010 Donald H. Morris Award for Outstanding Doctoral Student in Physical Anthropology, School of Human Evolution and Social Change, Arizona State University
- 2007 Honorable Mention, National Science Foundation Graduate Research Fellowship
- 2007 Phi Beta Kappa, Cornell College
- 2006 Sutherland Dows Academic Achievement Award, Cornell College

RESEARCH AND FIELD EXPERIENCE

- 2013-2014 **Doctoral Research, Phase II.** Archaeological Chemistry Laboratory, School of Human Evolution and Social Change, Arizona State University. PIs: Sara J. Marsteller and Kelly J. Knudson. (15 months)
- 2012 **Doctoral Research, Phase I.** Museo Nacional de Antropología, Arqueología e Historia del Perú, Lima, Peru. PIs: Sara J. Marsteller and Kelly J. Knudson. (11 months)
- 2011 **Research Assistant.** Dental Pathology as Indicators of Dietary Change in the Fourth Cataract Region of Central Sudan during the Christian Period (c. AD 550-1400). Osteological Laboratory, Arizona State University. PI: Brenda Baker. (4 months)
- 2009 **Graduate Research Associate.** Archaeological Chemistry Laboratory, School of Human Evolution and Social Change, Arizona State University. PI: Kelly J. Knudson. (4 months)
- 2009 **Project Bioarchaeologist.** Sociopolitical Dynamics in the Lima Polity: A Community-Level View from Cerro Manchay. Lower Lurín Valley, Manchay Bajo, Peru. PI: Giancarlo Marcone. (2 months)
- 2008 **Research Assistant.** A Bioarchaeological Approach to Identity in the Middle Horizon to Late Intermediate Period Transition. Museo Arqueológico R.P. Gustavo Le Paige, San Pedro de Atacama, Chile. Co-PIs: Kelly J. Knudson and Christina Torres-Rouff (2 weeks)
- 2008 **Field Technician.** Ideology and the Development of Social Hierarchy at the Site of Panquilma, Peruvian Central Coast. Cieneguilla, Peru. PI: Enrique Lopez-Hurtado. (1 month)
- 2008 **Field School Participant.** University of California at San Diego Archaeological Field School, Moquegua, Peru. PI: Paul S. Goldstein (1 month)
- 2007-2008 **Laboratory Technician.** Archaeological Chemistry Laboratory, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ. PI: Kelly J. Knudson. (18 months)
- 2006 **Intern.** Research Training Program. Smithsonian Institution National Museum of Natural History, Department of Anthropology, Washington, DC. PI: Donald J. Ortner. (10 weeks)
- 2005 **Research Assistant.** Cornell College Tropical Field Research. Jatun Sacha Biological Field Station, Napo Province, Ecuador. PI: Marty Condon (2 weeks)
- 2004-2005 **Research Assistant.** National Science Foundation Research Experience for Undergraduates. Cornell College, Department of Biology, Mount Vernon, Iowa. PI: Marty Condon. (4 months)

CONFERENCE PRESENTATIONS

Podium

- 2019 **Marsteller, SJ.** A Bioarchaeological Approach to the Construction of Community Identities in Mountain Landscapes. Invited paper for the symposium Living and Dying in Mountain Landscapes. Presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM, April 10-14.
- 2016 **Marsteller, SJ,** KJ Knudson, N Zolotova. Community Differences in Dietary Changes Over the Life Course: Stable Carbon and Nitrogen Isotope Analysis of Bone Collagen and Hair Keratin Pairs on the Central Peruvian Coast. Presented at the 9th Annual World Congress on Mummy Studies, Lima, Peru, August 10-13.
- 2016 **Marsteller, SJ,** KJ Knudson, G Gordon, A Anbar. A Bioarchaeological Approach to Ychsma Regional Interactions: Stable Oxygen and Radiogenic Strontium Isotopes and Late Intermediate Period Mobility on the Central Peruvian Coast. Invited paper for the session *E pur si muove: Exploring Mobilities in Latin America* at the 81st Annual Meeting of the Society for American Anthropology, Orlando, FL, April 6-10.
- 2015 **Marsteller, SJ,** KJ Knudson, N Zolotova. Investigating Economic Specialization on the Central Peruvian Coast: A Reconstruction of Late Intermediate Period Ychsma Diet Using Stable Carbon and Nitrogen Isotopes. Presented at the 84th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-29.
- 2010 **Marsteller, SJ,** and G Marcone Flores. The Sociopolitical Significance of Child Burials at “Lote B” (Cerro Manchay), Lower Lurín Valley (Perú). Presented at the 75th Annual Society for American Archaeology Meeting, St. Louis, MO, April 14-18.
- 2006 **Marsteller, SJ,** and DJ Ortner. Evidence of Scurvy in North American Archaeological Skeletal Remains. Anthropology Seminar Series, Smithsonian Institution National Museum of Natural History, Washington, D.C. August 2.

Posters

- 2011 **Marsteller, SJ,** and BJ Baker. Identification of Early Manifestations of Skeletal Tuberculosis in Infants and Young Children: Comparative Case Studies from Peru and Sudan” Presented at the 38th Annual Meeting of the Paleopathology Association, Minneapolis, MN, April 12-13.
- 2010 Nado, KL, **SJ Marsteller,** LM King, BM Daverman, C Torres-Rouff, and KJ Knudson. Isotopic Analysis of Diet and Residential Mobility at San Pedro de Atacama, Chile: Understanding the Tiwanaku Phenomenon through Patterns of Local Social Organization in Solcor Ayllu. Presented at the 78th Annual American Association of Physical Anthropologists Meeting, Albuquerque, NM, April 14-17.
- 2010 King, LM, BM Daverman, KL Nado, **SJ Marsteller,** C Torres-Rouff, and KJ Knudson. The Solcor Ayllu: Exploring Variation in Biological and Cultural Elements from Contemporary Cemeteries in Pre-Columbian Northern Chile. Presented at the 78th Annual American Association of Physical Anthropologists Meeting, Albuquerque, NM, April 14-17.
- 2009 **Marsteller, SJ.** Gender Fluidity in the Ancient Andes: A Case Study at the Tablada de Lurín, Peru (c. 200 BC-AD 200). Presented at the 42nd Annual Chacmool Conference, Identity Crisis: Archaeology and Problems of Social Identity, Calgary, Canada, November 12-15.
- 2007 **Marsteller, SJ,** and DJ Ortner “Evidence of Scurvy in North American Archaeological Skeletal Remains. Presented at the 34th Annual Paleopathology Association Conference, Philadelphia, PA, March 27-28.

- 2006 **Marsteller, SJ**, D Adams, ML Collyer, and M Condon. Wing Shape Differences Among *Blepharoneura* (Diptera: Tephritidae) of Eastern Ecuador: A Morphometric Approach. Presented at the joint annual meeting of the Society for the Study of Evolution (SSE), the Society of Systematic Biologists (SSB), and the American Society of Naturalists (ASN), The State University of New York-Stonybrook, NY, June 23-27.
- 2005 **Marsteller, SJ**, D Adams, ML Collyer, M Condon, S Swensen, and D Bann. Evolution of Wing Shape in *Blepharoneura* (Diptera): A Morphometric Approach. Presented at the joint annual meeting of the Society for the Study of Evolution (SSE), the Society of Systematic Biologists (SSB), and the American Society of Naturalists (ASN), University of Alaska-Fairbanks, Fairbanks, AK, June 21-24.

PROFESSIONAL CERTIFICATIONS

- 2012 National Registry of Archaeologists (RNA No. BM-1246), Ministry of Culture, Peru
- 2011 License in Archaeology, Pontifical Catholic University of Peru (PUCP), Lima, Peru

PROFESSIONAL SERVICE ACTIVITIES

Manuscript Referee

- International Journal of Osteoarchaeology* (Wiley)
- Journal of Archaeological Sciences* (Elsevier)
- Journal of Arid Environments* (Elsevier)
- Journal of Coastal & Island Archaeology* (Routledge)
- Latin American Antiquity* (Cambridge University Press)
- Ñawpa Pacha, Journal of Andean Archaeology* (Taylor & Francis)
- Scientific Reports* (Nature Publishing Group)

Grant Review

- 2008, 2013 Graduate and Professional Student Association JumpStart Research Grant and Research Support Programs, Arizona State University

LANGUAGE SKILLS

- English (native)
- Spanish (full professional proficiency)