

BrieAnna S. Langlie

Curriculum Vitae

Binghamton University
Department of Anthropology
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RESEARCH INTERESTS

Paleoethnobotany, Andean archaeology, political ecology, farming, domestication, landscapes, sustainability, food security/sovereignty/justice, resistance

EDUCATION

2016 Ph.D. Anthropology, Washington University in Saint Louis
Advisors: Drs. Gayle J. Fritz and David L. Browman
2011 M.A. Anthropology, Washington University in Saint Louis
2008 B.A. Anthropology, University of California-Berkeley
High Honors and Academic Distinction

APPOINTMENTS

2017- Assistant Professor, Anthropology, Affiliate of Environmental Studies, Latin American and Caribbean American Studies, Binghamton University, State University of New York
2016-2017 Full-time Instructor, Loyola University Chicago, Illinois, Anthropology
2012-2015 Instructor, Washington University in Saint Louis, Anthropology

PUBLICATIONS

Goodman-Elgar, Melissa A., BRIEANNA S. LANGLIE, Katherine M. Moore, Nichole S. Bettencourt, and Christine A. Hastorf
In Review Conflagration in Antiquity: Reconstructing the Late Formative Fire at the Chiripa Montículo, Bolivia. *Journal of Archaeological Method and Theory*. Peer-reviewed.
LANGLIE, BRIEANNA S., David W. Mixter, Carlos Osoro Mendives, and John Wilson,
In Review Locating Fields in the Southern Peruvian Andes. *Archaeological Papers of the American Anthropological Association*. Peer-reviewed.
Baitzel, Sarah I., Maureen E. Folk, Lucia M. Diaz, Kurt Wilson, Arturo F. Rivera Infante, and BRIEANNA S. LANGLIE
Accepted Lowland Agropastoralism in the Wake of Tiwanaku Collapse (11th-12th century CE): Multi-resource Economies and Diet at Los Batanes, Sama Valley. *Recent Research in Andean Foodways, Amerind Volume*. edited by Deborah Blum and Marta Alfonso Durruty. Peer-reviewed.
BRIEANNA S. LANGLIE and Matthew Biver
In Press Origins of Food-Producing Economies in the Americas. In *The Human Past: World Prehistory and the Development of Human Societies 5th edition*, edited by Chris Scarre, pp. 303-343. Thames & Hudson, London. Textbook

- Milner, George R. with David L. Browman, Gayle J. Fritz, and BRIEANNA S. LANGLIE
2022 North America: Environments and Landscapes. In *The Human Past Essentials*. Edited by Chris Scaree and Tammy Stone, pp. 346-377. Thames & Hudson, London. Textbook
- LANGLIE, BRIEANNA S. and José Capriles
2021 Paleoethnobotanical Evidence Points to Agricultural Mutualism Among Early Camelid Pastoralists of the Andean Central Altiplano. *Anthropological and Archaeological Sciences*. Peer-reviewed
- LANGLIE, BRIEANNA S.
2021 Origins of Food Production in the High Andes. In *Oxford Research Encyclopedia of Anthropology*. edited by Mark Aldenderfer. Peer-reviewed
- LANGLIE, BRIEANNA S.
2020 Late Intermediate Period Plant Use at a Colla Hillfort, Puno, Peru (C.E. 1300-1450). *Latin American Antiquity* 31(4):702-719. Peer-reviewed
- LANGLIE, BRIEANNA S.
2019 Morphological Analysis of Late Pre-Hispanic Peruvian *Chenopodium* spp., *Vegetation History and Archaeobotany* 28:51-63. Peer-reviewed
- LANGLIE, BRIEANNA S.
2018 Building Ecological Resistance: Late Intermediate Period Farming in the South-Central Highland Andes (CE 1100–1450), *Journal of Anthropological Archaeology* 52:167-179. Peer-reviewed
- Browman, David L., Gayle J. Fritz, and BRIEANNA S. LANGLIE
2018 Origins of Food-Producing Economies in the Americas. In *The Human Past: World Prehistory and the Development of Human Societies 4th edition*, edited by Chris Scarre, pp. 303-343. Thames & Hudson, London. Textbook
- Fritz, Gayle J., Maria C. Bruno, BRIEANNA S. LANGLIE, Bruce Smith, and Logan Kistler
2017 Cultigen Chenopods in the Americas: A Hemispherical Perspective. In *Social Perspectives on Ancient Lives from Paleoethnobotanical Data*, edited by Matthew P. Sayre, and Maria C. Bruno, pp. 55-76. Springer, New York. Peer-reviewed
- LANGLIE, BRIEANNA S., and Elizabeth N. Arkush
2016 Managing Mayhem: Conflict, Environment, and Subsistence in the Andean Late Intermediate Period, Puno, Peru. In *The Archaeology of Warfare and Food: Food Insecurity in Prehistory*, edited by Amber VanDerwarker and Greg Wilson, pp. 259-290. Springer, New York. Peer-reviewed
- LANGLIE, BRIEANNA S., Natalie G. Mueller, Robert N. Spengler, and Gayle J. Fritz
2014 Agricultural Origins from the Ground Up: Archaeological Perspectives on Plant Domestication. *American Journal of Botany* 101:1601-1617. Peer-reviewed
- LANGLIE, BRIEANNA S., Christine A. Hastorf, Maria C. Bruno, Marc Bermann, Renée Bonzani, and William Castellón Condarco
2011 Diversity in Andean *Chenopodium* Domestication: Describing a New Morphological Type from La Barca, Bolivia 1300-1250 BC (Department of Oruro), *Journal of Ethnobiology* 31(1):72-78. Peer-reviewed

TECHNICAL REPORTS

- Carolos Osoreo Mendives and BRIEANNA S. LANGLIE
2018 *Informe de Proyecto de Investigación Arqueológica Agricultura y Comunidades del Altiplano*. Presented to the Ministerio de Cultura, Lima, Peru

LANGLIE, BRIANNA S.

2014 *Informe de Proyecto de Terrazas de la Temporada de Campo 2013*. Presented to el Ministerio de Cultura, Lima, Peru.

Mixter, David W. and BRIANNA S. LANGLIE

2014 The 2013 Excavations in Plaza A. In *The Actuncan Archaeological Project: Report of the 2013 Fields Seasons*. Edited by Lisa J. LeCount, pp. 27-48. Presented to the Belize Institute of Archaeology.

Bruno, Maria C., and BRIANNA S. LANGLIE

2011 Informe Arqueobotánica de la Temporada de Campo 2009. In *Excavaciones en Kala Uyuni Informe de la Temporada 2009 del Proyecto Arqueológico Taraco*. Presented to la Unidad Nacional de Arqueología de Bolivia.

LANGLIE, BRIANNA S.

2010 *Taylor Mound Maize Analysis*. Report to the Arkansas Archaeological Society.

COMMUNITY ENGAGED PROJECTS

2022 Three Sisters Garden in collaboration with the Onondaga Nation, Binghamton University

PROFESSIONAL CONSULTING

2021 Edited and vetted content for diversity and equity concerns in *The Human Past Essentials*, edited by Chris Scarre and Tammy Stone. Thames & Hudson, London. Textbook

AWARDS

2020, 2022 Honorable Mention, Harpur College Teaching Award, Binghamton University

2019, 2022 Career Champion, The Fleishman Center for Personal and Professional Development, Binghamton University

2016 Association of Women Faculty Graduate Award for leadership and academic excellence, Arts & Sciences, Washington University in St. Louis

2015 H. Kathleen Cook Graduate Student Prize for excellence in scholarship, teaching, and building community, Department of Anthropology, Washington University in St. Louis

2014 Barbara Lawrence Prize, awarded for best student paper, Society for Ethnobiology

GRANTS AND FELLOWSHIPS

In review National Science Foundation, Senior Archaeology Grant, *Growing Inequality? Farming, Herding, and Sociopolitical Transformation in the Prehispanic Andes*
PIs: BRIANNA LANGLIE, Lauren Kohut, and Matthew Velasco
Total Project Amount: \$292,248

2023 Institute for Advanced Studies in the Humanities Faculty Fellowship, Binghamton University

Award: one course release to work on book project, Spring 2023

2021-2025 National Science Foundation, Senior Archaeology Grant, *Agropastoral Mobility, Subsistence, and Social Memory during Early State Collapse in the Ancient Andes*
PI: Sarah Baitzel, Co-PI's: BRIANNA LANGLIE, Xinyi Liu, Nicola Sharratt
Total Project Amount: \$178,569

- 2021 Transdisciplinary Area of Excellence Seed Grant, *Seed Lending Library*, Binghamton University Foundation, PI's: BRIEANNA LANGLIE, Neyda Gilman, Jennifer Embree
Amount: \$1,656
- 2019 Analytic and Diagnostic Grant for SEM Research, Binghamton University
Amount: \$1,500
- 2018 Dean's Speaker Series, Binghamton University
Amount: \$2,000 and \$2,000 matching funds from Department of Anthropology
- 2017-2018 Data and Analytics Award
Spatial Archaeometry and Research Collaborations, University of Arkansas
Funded by the National Science Foundation
- 2015-2016 Dissertation Writing Fellowship
Washington University in St. Louis
Amount: \$22,000
- 2013-2014 National Science Foundation Dissertation Improvement Grant # 1305140
Amount: \$25,127.00
- 2010-2015 University Teaching Assistant Fellowship
Washington University in St. Louis
- 2010-2014 Summer Research Grant Funding
Washington University in St. Louis
Total Amount: \$10,000
- 2009-2010 University Fellowship
Washington University in St. Louis

CONFERENCE PRESENTATIONS

- LANGLIE, BRIEANNA S., John Wilson, David Mixter, Jacob Frank, and Carlos Osore Mendives
2022 *Locating Fields in the Lake Titicaca Basin, Peru*. Paper presented in session sponsored by the American Anthropological Association at the 86thth Annual Meeting for the Society for American Archaeology, Chicago, Illinois.
- Maybee, Brooke, David W. Mixter, and BRIEANNA S. LANGLIE
2022 *Eucalyptus: A Symbol of Colonial Transformation in the Andes*. Poster presented at the 86thth Annual Meeting for the Society for American Archaeology, Chicago, Illinois.
- Chen, Jennifer, Randy Haas, BRIEANNA S. LANGLIE, and James Watson
2022 *A Mixed Archaic Diet on the Andean Altiplano, 9.0-6.5ka*. Poster presented at the 86thth Annual Meeting for the Society for American Archaeology, Chicago, Illinois.
- Whittemore, Anna, Tiffny A. Tung, BRIEANNA S. LANGLIE, Elizabeth N. Arkush, and Matthew C. Velasco.
2022 *Growing up with Warfare: Childhood Diet and Mobility at a Hillfort in the Lake Titicaca Basin (1275-1500 CE)*. Paper presented at the 86thth Annual Meeting for the Society for American Archaeology, Chicago, Illinois.
- LANGLIE, BRIEANNA S.
2022 Discussant: *Toward an Archaeology of Pastoralist Communities*. Lightning Round at the 86thth Annual Meeting for the Society for American Archaeology, Chicago, Illinois.
- LANGLIE, BRIEANNA S., John Wilson, Jacob Frank, and Matthew Chmura
2021 *Finding Terraces in the Lake Titicaca Basin, Peru*. Paper presented at the 85th Annual Meeting for the Society for American Archaeology, digital conference.

- Folk, Maureen, Sarah Baitzel, and BRIANNA S. LANGLIE
2020 *Migration and Agricultural Practice: A Paleoethnobotanical Analysis of Los Batanes in Southern, Peru*. Paper presented at the 85th Annual Meetings for the Society for American Archaeology in Austin, Texas, cancelled due to Covid-19, presented digitally.
Selected for an Amerind Museum Seminar in Dragoon, Arizona.
- LANGLIE, BRIANNA S., John Wilson, Jacob Frank, and Matthew Chmura
2020 *Finding Terraces in the Lake Titicaca Basin, Peru*. Paper presented at the 85th Annual Meeting for the Society for American Archaeology in Austin, Texas, cancelled due to Covid-19.
- LANGLIE, BRIANNA S.
2019 *Mapping Terraces, Mapping Agricultural Practice in the Lake Titicaca Basin Peru*. Poster presented at the 84th Annual Meeting for the Society for American Archaeology in Albuquerque, New Mexico.
- LANGLIE, BRIANNA S.
2018 *Gardening for Victory in Prehistory*. Paper presented at the 83rd Annual Meeting for the Society for American Archaeology in Washington D.C.
- LANGLIE, BRIANNA S.
2017 *Engineering an Ecosystem of Resistance: Late Intermediate Period Farming in the South-Central Andes*. Paper presented at the 82nd Annual Meeting for the Society for American Archaeology in Vancouver, British Columbia.
- LANGLIE, BRIANNA S.
2016 *So Many Chenopods: Paleoethnobotany of the Late Intermediate Period, Puno, Peru (A.D. 1100-1450)*. Poster Presented at the 81st Annual Meeting for the Society for American Archaeology in Orlando, Florida.
- LANGLIE, BRIANNA S.
2016 *Constructing Terraces, Ensuring Security: A Temporal Investigation into an Agricultural Terrace Complex near Puno, Peru*. Paper presented at the Meeting for the Institute of Andean Studies in Berkeley, California.
- LANGLIE, BRIANNA S.
2015 *Parsing out Differential Plant Use during a Period of War Puno, Peru (A.D. 1100-1450)*. Paper presented at the 80th Annual Meeting for the Society for American Archaeology in San Francisco, California.
- LANGLIE, BRIANNA S.
2014 *Unearthing the Turbulent Social History of Terrace Agriculture near Puno, Peru*. Paper presented at the joint meetings of the Society of Ethnobiology and the Society for Economic Botany in Cherokee, North Carolina.
- LANGLIE, BRIANNA S.
2014 *Food Fights: Recent Research on Terrace Agriculture near Puno, Peru (AD 1100 -1450)*. Paper presented at the 79th Annual Meeting for the Society for American Archaeology in Austin, Texas.
- LANGLIE, BRIANNA S. and Elizabeth N. Arkush
2013 *Managing Mayhem: Conflict, Environment, and Subsistence in the Andean Late Intermediate Period, Puno, Peru*. Paper presented at the University of California, Santa Barbara Conference on the Archaeology of Warfare & Food.
- LANGLIE, BRIANNA S.
2012 *Cultivating Pathogenic Environments: Fungus Afflicted Tubers from Formative*

Period Wankarani Sites, Oruro, Bolivia. Paper presented at the 111th Annual Meeting for the American Anthropological Association in San Francisco, California.

Jeter, Marvin D. and BRIEANNA S. LANGLIE

2012 *57 Cobs, but not 57 Varieties: Transitional Coles Creek—Plaquemine Maize from Taylor Mound 3, Southeast.* Paper presented at the 69th Annual Meeting for the Southeastern Archaeological Conference in Baton Rouge, Louisiana.

Fritz, Gayle J., Bruce D. Smith, Maria C. Bruno, BRIEANNA S. LANGLIE, and Logan Kistler
2012 *Superfood: A Hemispherical Perspective on the Cultigen Chenopods.* Invited symposium in honor of Fryxell Award recipient Christine A. Hastorf. Paper presented at the 77th Annual Meeting for the Society for American Archaeology in Memphis, Tennessee.

LANGLIE, BRIEANNA S. and José Capriles

2011 *Plants in a Pastoral Economy: Macrobotanical Analysis of a Formative Wankarani Site.* Paper presented at the 76th Annual Meeting for the Society for American Archaeology in Sacramento, California.

LANGLIE, BRIEANNA S., Christine A. Hastorf, Maria C. Bruno, Marc Bermann, Renée Bonzani, and William Castellón Condarco

2010 *Complicating the Story: Domesticated Chenopodium sp. from La Barca, Bolivia (1300-1250 BCE).* Poster presented at the 33rd Annual Meeting of the Society of Ethnobiology in Victoria, British Columbia.

MEDIA COVERAGE

2015 Providing “Lands-On Experience”: New Guide Shows How Universities Nurture Knowledge and Nature. *National Wildlife Magazine*, pp. 48.

INVITED LECTURES

2022 Farming in the Ancient Andes, Retiree Services, Binghamton University, New York

2020 California State University Dominguez Hill, Department of Anthropology Lecture Series, online

2020 University of Pennsylvania, Graduate Seminar on Domestication, held online due to Covid-19

2020 University of Pennsylvania, Department of Anthropology Colloquium, cancelled due to Covid-19

2020 Finger Lakes Chapter New York State Archaeological Society Lecture (co-authored with Matthew Velasco, Cornell University), cancelled due to Covid-19

2019 New York University, Department of Anthropology Colloquium

2019 Brown University, Department of Anthropology Colloquium

2018 University of Chicago, Department of Anthropology Colloquium

2017 The Chicago Archaeological Society

2013 Saint Louis Art Museum

2013 Cahokia Archaeological Society

ARCHAEOLOGICAL FIELD WORK

2022-ongoing Sama Valley Archaeological Project
Archaeobotanical Specialist

Directors: Dr. Sarah Baitzel and Lic. Arturo Rivera

2018-ongoing The Altiplano Agriculture and Communities Project
Project Director

2013-2015 Ayawiri Terraces Project, Puno, Peru

Project Director

- 2013-2015 Actuncan Archaeological Project, Cayo, Belize
Excavation Supervisor and Flotation Engineer
Director: Dr. Lisa LeCount
Director: Dr. M. Randall Haas
- 2011-2012 Proyecto Machu Llaqta, Puno, Peru
Paleoethnobotanical Specialist and Excavation Supervisor
Director: Dr. Elizabeth Arkush
- 2010 Lipez Archaeological Project, Uyuni, Bolivia
Excavation Crew and Lab Supervisor
Director: Drs. Juan Albarracín-Jordan and José Capriles
- 2009 Taraco Archaeological Project, Kala Uyuni, Bolivia
Flotation Supervisor and Crew
Director: Dr. Christine A. Hastorf
- 2007 Stone Tool Sources of the North American Southwest
Archaeological Petrological Field School
Director: Dr. M. Steven Shackley

LABORATORY ANALYSIS

- 2019-ongoing Paleoethnobotanical Specialist, Trapiche Archaeological Project, Puno, Peru
Director: Dr. Sarah Kennedy
- 2018-ongoing Paleoethnobotanical Specialist, Sama Valley Archaeological Project, Sama, Peru
Director: Dr. Sarah Baitzel
- 2013-ongoing Paleoethnobotanical Specialist, Proyecto Soro Mik'aya Patjxa, Ilave, Peru
Director: Dr. Randall Haas
- 2009-2016 Paleoethnobotanical Analyst, Washington University in Saint Louis
Director: Dr. Gayle J. Fritz
- 2006-2009 Paleoethnobotanical Analyst, University of California-Berkeley
Director: Dr. Christine A. Hastorf
- 2008-2009 Scanning Electron Microscopy, University of California-Berkeley
Director: Dr. Guangwei Min
- 2007-2008 Archaeological X-Ray Florescence Spectrometry Obsidian Sourcing Technician,
University of California-Berkeley XRF Lab
Director: Dr. M. Steven Shackley

TEACHING EXPERIENCE

Assistant Professor at Binghamton University

- Spring 2022 Ancient Civilizations of Peru
Graduate Seminar in Anthropology Writing Skills and Publication
- Fall 2021 Introduction to Anthropology
- Spring 2020 Advanced Seminar in Andean Archaeology
Taming Nature: Farming Through Time
- Spring 2019 Ancient Civilizations of Peru
The Archaeology of Domestication
- Fall 2018 Laboratory Methods in Paleoethnobotany
Paleoethnobotany
- Spring 2018 The Archaeology of Domestication

Fall 2017 Taming Nature: Farming Through Time
Advanced Seminar in Andean Archaeology
Full-Time Instructor at Loyola University Chicago
Spring 2017 Human Origins
The Scientific Basis of Environmental Issues
Fall 2016 The Human Ecological Footprint: From Foraging to Farms of the Future
The Scientific Basis of Environmental Issues

THESIS/DISSERTATION MENTORSHIP

Principal Advisor Ph.D.

Ongoing Katharine Nusbaum, Archaeology
Ongoing Diana Gibson, Archaeology and Biological Anthropology

Committee Member Ph.D.

Ongoing Cinthia Campos, Archaeology
Ongoing Jessica Smeeks, Archaeology
Ongoing Halona Young-Wolfe, Archaeology
Ongoing Jorge Fernando Flores, Archaeology
Ongoing Brittany Fullen, Archaeology

Principal Advisor M.A.

Ongoing Audria Ruscitti, Public Archaeology
2022 Diana Gibson, Archaeology and Biological Anthropology
2022 Brooke Maybee, Archaeology
2022 Katharine Nusbaum, Archaeology
2020 Maureen Folk, Archaeology
2020 Scott Ferrara, MA in Public Anthropology
2019 Anna Patchen, MA in Public Archaeology

Committee Member M.A.

2020 John Blank, Archaeology

Senior Honors Theses

2021 Jacob Frank, High Honors
2019 Crae Wilkins, High Honors
2018 Sinead Comerford, Honors

McNair Summer Fellow

2021 Taleea Tomlinson

PROFESSIONAL AFFILIATIONS

Society for American Archaeology
Society of Ethnobiology
Collasuyo Archaeological Research Institute

UNIVERSITY SERVICE

2022-2025 Anthropology Senator, Faculty Senate, Binghamton University, New York

- 2021-2022 Anthropology Senator, Faculty Senate, Binghamton University, New York
 2022-present Committee Member, Equity Committee, Department of Anthropology, Binghamton University, New York
- 2021 Founding member and Co-Chair, Equity Committee, Department of Anthropology, Binghamton University, New York
- 2020-present Calendar Committee Member, Harpur College, Binghamton University, New York
 2020 Committee Member, Ad-hoc Committee on Revisioning the Graduate Program, Department of Anthropology, Binghamton University
- 2018-2020 Undergraduate Curriculum Committee Member, Harpur College, Binghamton University, New York
- 2014-2015 Graduate Student Senate, Co-president
 Washington University in St. Louis
- 2013-2014 Graduate Student Senate, Anthropology Senator and U.S. Government Lobbyist
 Washington University in St. Louis
- 2010-2012 Friday Archaeology Speaker Series, Secretary
 Washington University in St. Louis

SERVICE TO THE PROFESSION

- 2018-present Communications Director, Logistics Coordinator, Website Designer, Collasuyo Archaeological Research Institute, Puno, Peru
- 2022 Safety Volunteer, Society for American Archaeology annual conference, Chicago, Illinois
- 2018 Principal Organizer, the 37th Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory, Binghamton, NY

REVIEWER

National Science Foundation
 Reviewer for National Science Foundation Archaeology Division
 Reviewer for *Latin American Antiquity*
 Reviewer for *Science Advances*
 Reviewer for *Journal of Bioeconomics*
 Reviewer for *Journal of Ethnobiology*
 Reviewer for *World Archaeology*

PROFESSIONAL REFERENCES

Gayle J. Fritz
 Professor Emerita of Anthropology
 Washington University in Saint Louis
 One Brookings Drive, Campus Box 1114
 Saint Louis, MO 63130
gjfritz@wustl.edu
 (314) 935-8588

Elizabeth Arkush
 Professor of Anthropology
 University of Pittsburgh
 3302 Wesley W. Posvar Hall
 230 S. Boquet Street

Pittsburgh, PA 15260
arkush@pitt.edu
(412) 648-7521

Joshua Reno
Professor of Anthropology
Binghamton University
4400 Vestal Parkway East
Science 1
Binghamton, NY 13902
jreno@binghamton.edu
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