

# BrieAnna S. Langlie

## *Curriculum Vitae*

Binghamton University  
Department of Anthropology  
4400 Vestal Parkway East  
Science 1, Room 109A  
Binghamton, NY 13902

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<http://www.langlielab.org>

## RESEARCH INTERESTS

Paleoethnobotany, Andean archaeology, political ecology, farming, domestication, landscapes, sustainability, food security, resistance theory

## APPOINTMENTS

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

## 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

## PUBLICATIONS

LANGLIE, BRIEANNA S.

*In Press* Late Intermediate Period Plant Use At A Colla Hillfort, Puno, Peru (C.E. 1300-1450). *Latin American Antiquity*. 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*. Peer-reviewed

LANGLIE, BRIEANNA S.

2018 Morphological Analysis of Late Pre-Hispanic Peruvian *Chenopodium* spp., *Vegetation History and Archaeobotany*. 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, BRIANNA 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, BRIANNA 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, BRIANNA 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
- Goodman Elgar, Melissa A., Nichole S. Bettencourt, Katherine M. Moore, BRIANNA S. LANGLIE, and Christine A. Hastorf  
*Written* Conflagration from Antiquity: Reconstructing the Late Formative Fire at the Chiripa Monticulo, Bolivia. To be submitted to *Journal of Archaeological Science*.
- LANGLIE, BRIANNA S.  
*Writing* Origins of Highland Food Production in the High Andes. *Oxford Research Encyclopedia of Anthropology*. Submission deadline July 2020.
- LANGLIE, BRIANNA S. and José Capriles  
*Writing* Pastoral Plant Use among the Formative Period Wankarani. To be submitted to *Cambridge Journal of Archaeology*.

## TECHNICAL REPORTS

- Carolos Osore Mendives and BRIANNA S. LANGLIE  
2018 *Informe de Proyecto de Investigación Arqueológica Agricultura y Comunidades del Altiplano*. To be presented to el 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.

## AWARDS

- 2020 Harpur College Teaching Award Honorable Mention, *Binghamton University*
- 2019 Career Champion Nomination, *The Fleishman Center for Personal and Professor 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

- 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, BRIANNA S., John Wilson, Jacob Frank, and Matthew Chmura

- 2020 *Finding Terraces in the Lake Titicaca Basin, Peru*. Paper accepted for presentation at the 85<sup>th</sup> Annual Meeting for the Society for American Archaeology in Austin, Texas, cancelled due to Covid-19.

Folk, Maureen, Sarah Baitzel, and BRIANNA S. LANGLIE

- 2020 *Migration and Agricultural Practice: A Paleoethnobotanical Analysis of Los Batanes in Southern, Peru*. Paper accepted for presentation at the 85<sup>th</sup> Annual Meetings for the Society for American Archaeology in Austin, Texas, cancelled due to Covid-19, presented digitally to be considered for an Amerind Museum Seminar in Dragoon, Arizona.

LANGLIE, BRIANNA S.

- 2019 *Mapping Terraces, Mapping Agricultural Practice in the Lake Titicaca Basin Peru*. Poster presented at the 84<sup>th</sup> 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 83<sup>rd</sup> 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 82<sup>nd</sup> 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 81<sup>st</sup> 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 80<sup>th</sup> 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 79<sup>th</sup> 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 111<sup>th</sup> Annual Meeting for the American Anthropological Association in San Francisco, California.

Jeter, Marvin D. and BRIANNA S. LANGLIE

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

Fritz, Gayle J., Bruce D. Smith, Maria C. Bruno, BRIANNA 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 77<sup>th</sup> Annual Meeting for the Society for American Archaeology in Memphis, Tennessee.

LANGLIE, BRIANNA S. and José Capriles

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

LANGLIE, BRIANNA 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 33<sup>rd</sup> 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**

- 2020 University of Pennsylvania, Graduate Seminar on Domestication, held digitally 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**

- 2018- 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 Albarracin-Jordan and Jose Capriles
- 2010 Cheqoq Archaeological Project, Cuzco, Peru  
Excavation Supervisor  
Director: Dr. Kylie Quave
- 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**

- 2018-*current* Paleoethnobotanical Specialist, Sama Valley Archaeological Project, Sama, Peru  
Director: Dr. Sarah Baitzel
- 2013-*current* 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

- 2008-2009      Director: Dr. Christine A. Hastorf  
 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 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        Zachary Critchley, Archaeology
- Ongoing        Katharine Nusbaum, Archaeology

### *Committee Member Ph.D.*

- Ongoing        Jessica Smeeks, Archaeology
- Ongoing        Jorge Fernando Flores, Archaeology
- Ongoing        Brittany Fullen, Archaeology
- Ongoing        Cinthia Campos, Archaeology
- Ongoing        Amber Laubach, Archaeology
- Ongoing        Diana Gibson, Biological Anthropology
- Ongoing        Kelly Bakker, Biology

### *Principal Advisor M.A.*

- 2019            Anna Patchen, MA in Public Archaeology, committee chair
- Ongoing        Maureen Folk, Archaeology, committee chair
- Ongoing        Scott Ferrara, Public Anthropology, committee chair
- Ongoing        Audria Ruscitti, Public Archaeology, committee chair

### *Committee Member M.A.*

- Ongoing        John Blank, Archaeology, committee member

*Senior Honors Theses*

2019 Crae Wilkins, High Honors  
2018 Sinead Comerford, Honors

**PROFESSIONAL AFFILIATIONS**

American Anthropological Association  
Society for American Archaeology  
Society of Ethnobiology  
Collasuyo Archaeological Research Institute

**SERVICE**

2018-present Undergraduate Curriculum Committee Member, Harpur College, Binghamton University, New York  
2018-present Communications Director, Logistics Coordinator, Collasuyo Archaeological Research Institute, Puno, Peru  
2018 Organizer of the 37<sup>th</sup> Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory, Binghamton, NY  
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

**REVIEWER**

Reviewer for National Science Foundation Archaeology Division (X3)  
Reviewer for *Latin American Antiquity* (X1)  
Reviewer for *Science Advances* (X1)  
Reviewer for *Journal of Bioeconomics* (X1)  
Reviewer for *Journal of Ethnobiology* (X2)

**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](mailto:gjfritz@wustl.edu)  
(314) 935-8588

Elizabeth Arkush  
Associate Professor of Anthropology  
University of Pittsburgh  
3302 Wesley W. Posvar Hall  
230 S. Boquet Street  
Pittsburgh, PA 15260  
[arkush@pitt.edu](mailto:arkush@pitt.edu)  
(412) 648-7521

David L. Browman  
Professor Emeritus of Anthropology  
Washington University in Saint Louis  
One Brookings Drive, Campus Box 1114  
Saint Louis, MO 63130  
[dlbrowma@wustl.edu](mailto:dlbrowma@wustl.edu)