

BrieAnna S. Langlie

Curriculum Vitae

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

langlie@binghamton.edu
cell+1(415)370-4009
office+1(607)777-6722
<http://www.langlielab.org>

EDUCATION

- 2016 Ph.D. Anthropology, Washington University in Saint Louis
Dissertation: *Farming during the Auca Runa: Agricultural Strategies and Terraces during the Late Intermediate Period (A.D. 1100-1450) Altiplano, Peru*
Advisors: Drs. Gayle J. Fritz and David L. Browman
- 2011 M.A. Anthropology, Washington University in Saint Louis
Thesis: *Paleoethnobotanical Analysis of Three Formative Period Wankarani Sites, Department of Oruro, Bolivia*
- 2008 B.A. Anthropology, University of California-Berkeley
High Honors and Academic Distinction

APPOINTMENTS

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

PUBLICATIONS

LANGLIE, BRIEANNA S.

- 2018 Morphological Analysis of Late Pre-Hispanic Peruvian *Chenopodium* spp., *Vegetation History and Archaeobotany*.

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.

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.

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.

- 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.
- 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.
- Goodman Elgar, Melissa A., Nichole S. Bettencourt, Katherine M. Moore, BRIANNA S. LANGLIE, and Christine A. Hastorf
In Prep Conflagration from Antiquity: Reconstructing the Late Formative Fire at the Chiripa Monticulo, Bolivia. To be submitted to *Journal of Archaeological Science*.
- LANGLIE, BRIANNA S.
In Prep Dating the Turbulent History of Terrace Use in the Altiplano, Peru: Optically Stimulated Luminescence, AMS, and Ceramics.

TECHNICAL REPORTS

- LANGLIE, BRIANNA S.
2014 *Informe de Proyecto de Terrazas de la Temporada de Campo 2013*. Presented to el Ministerio de Cultura, Lima, Peru.
- David W. Mixter and LANGLIE, BRIANNA S.
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

- 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

- 2017-2018 Data and Analytics Award
Spatial Archaeometry and Research Collaborations
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.

- 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 BRIANNA 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, 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 77th 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 76th 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 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

- 2017 The Chicago Archaeological Society
 2013 Saint Louis Art Museum, St. Louis, Missouri
 2013 Cahokia Archaeological Society, Collinsville, Illinois

ARCHAEOLOGICAL FIELD EXPERIENCE

- 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
- 2013-2015 Soro Mik'aya Patjxa, Ilave, Peru
Paleoethnobotanical Specialist
 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

RESEARCH EXPERIENCE

- 2009-2016 Paleoethnobotanical Analyst
 Washington University in Saint Louis
 Director: Dr. Gayle J. Fritz
- 2006-2009 Paleoethnobotanical Analyst
 University of California-Berkeley Paleoethnobotanical Lab
 Director: Dr. Christine A. Hastorf
- 2008-2009 Scanning Electron Microscopy
 University of California-Berkeley EMS Laboratory
 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

- Fall 2019 Laboratory Methods in Paleoethnobotany
- Spring 2018 The Archaeology of Domestication
- Fall 2017 Taming Nature: Farming Through Time
 Graduate 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

PROFESSIONAL AFFILIATIONS

American Anthropological Association
 Society for American Archaeology
 Society of Ethnobiology

ACADEMIC SERVICE

- 2017- Reviewer for *Journal of Bioeconomics*
- 2015- Reviewer for *Journal of Ethnobiology*

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

PROFESSIONAL REFERENCES

Gayle J. Fritz
Professor 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
Associate Professor of Anthropology
University of Pittsburgh
3302 Wesley W. Posvar Hall
230 S. Boquet Street
Pittsburgh, PA 15260
arkush@pitt.edu
(412) 648-7521

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