

**MELISSA ANNE GOODMAN-ELGAR, PH.D**  
*CURRICULUM VITAE*

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## EDUCATION

2003 Ph.D, Department of Archaeology, University of Cambridge  
1994 M. Phil, Department of Archaeology, University of Cambridge  
1993 Double BA in Biology and Comparative History of Religion (Honors)  
University of California, Santa Cruz

## RELATED EMPLOYMENT

2004 – Present **Assistant Professor** Department of Anthropology, Washington State University,  
P.O. Box 644910, Pullman, WA 9164-4910 USA

2004 **Geoarchaeologist** USDA Forest Service under a Joint Venture Research  
Agreement with the Rocky Mountain Research Unit, Albuquerque, NM, USA

2003 **Visiting Lecturer** Department of Anthropology, University of California,  
Berkeley, CA 94720-3710 USA

2001 –2002 **Director of Studies for Archaeology** Institute of Continuing Education,  
University of Cambridge, Madingley Hall, Madingley, Cambridge CB3 8AQ UK

2001 **Sabbatical Replacement Lecturer** Department of Archaeology,  
University of Cambridge, Downing Street, Cambridge CB32 3DZ UK

## PUBLICATIONS (\* Peer reviewed)

### Edited Volumes

Brück, Joanna and **Melissa Goodman (Elgar)** (Eds)  
1999 *Making places in the prehistoric world: themes in settlement archaeology*, London: UCL  
Press (Routledge).

## Refereed Journal Articles

- In press\* **Goodman-Elgar, Melissa**, Nichole Bettencourt and Richard Conrey Geochemical Characterization of Bolivian Formative Earthen Architecture by Wavelength-Dispersive X-ray Fluorescence. *Geoarchaeology*
- 2014\* Conrey, Richard, **Melissa Goodman-Elgar**, Nichole Bettencourt, Alexander Seyfarth, Ashley Van Hoose and John A. Wolff. Portable X-ray Fluorescence Spectrometer Calibration for Archaeological Samples Using Influence Coefficients. *Geochemistry: Exploration, Environment, Analysis*, 4. doi:10.1144/geochem2013-198
- French, Charles, Richard Periman, Linda Scott Cummings, Stephen Hall, **Melissa Goodman-Elgar** and Julie Boreham
- 2009\* Holocene alluvial sequences, cumulic soils and fire signatures in the middle Rio Puerco basin at Guadalupe Ruin, New Mexico. *Geoarchaeology* 24(5): 638-676.

## Goodman-Elgar, Melissa

- 2008a\* Evaluating soil resilience in long-term cultivation: a study of pre-Columbian terraces from the Paca Valley, Peru, *Journal of Archaeological Science* 35: 3072–3086.
- 2008b\* The devolution of mudbrick: Ethnoarchaeology of abandoned earthen dwellings in the Bolivian Andes, *Journal of Archaeological Science* 35: 3057–3071.
- 2007b\* Geoarchaeology: The Earth Science Approach to Archaeological Interpretation, Second Edition. [review]. *Geoarchaeology* 22(5): 555-556.

## Book and Edited Volume Chapters

### Goodman-Elgar, Melissa

- 2009\* Places to partake: Chicha in the Andean landscape. In Justin Jennings and Brenda Bowser (Eds), *Drink, Power, and Society in the Andes*, pp. 75-107. Gainesville: The University Press of Florida.
- 2007a Off-site Archaeology: The study of agricultural fields. In Deborah Pearsall (ed.), *The Oxford Encyclopedia of Archaeology, Vol. 1*, pp. 110-115. New York: Oxford University Press.

### Brück, Joanna and **Melissa Goodman-Elgar**

- 1999 Introduction: themes for a critical archaeology of prehistoric settlement. In J. Brück and M. Goodman (Elgar) (Eds), *Making places in the prehistoric world: themes in settlement archaeology*, pp. 1-19. London: UCL Press (Routledge).
- 1999a Time constructions in archaeology: the challenge of the short-term in pre-columbian Andean households. In J. Brück and M. Goodman (Elgar) (eds), *Making places in the prehistoric world: themes in settlement archaeology*, pp. 145-159. London: UCL Press (Routledge).
- 1999b Micromorphology of Depositional Sequences from Monticulo and Santiago Excavations. In Christine Hastorf (ed.), *Early Settlement in Chiripa, Bolivia: Research of the Taraco*

*Archaeological Project*, pp. 51-60, Appendix 130-132. Berkeley, CA: Archaeological Research Facility Monograph Publications, No 57.

### **Technical Reports**

#### **Goodman-Elgar, Melissa**

- 2014 Goodman-Elgar, M.A. 2014. Preliminary Geoarchaeological Analyses of Cultural Deposits at Site 45Po426, Kalispel Reservation, Pend Oreille, County, WA. Submitted to the Kalispel Tribe of Indians (26 pages).
- 2013 Preliminary geoarchaeological investigations of archaeological and ethnographic sediments from Ngre Kataa, Ghana. Submitted to Dr. Amanda Logan (Northwestern) (30 pages).
- 2011 Geoarchaeological investigations of Alaska Way Viaduct Site 45K1924, Seattle, WA. Submitted to ICF International, Seattle, WA (61 pages).

#### **Goodman-Elgar, Melissa and Nichole Bettencourt**

- 2010 Geoarchaeology: archaeological collections, ethnoarchaeology and experimental burning In C. Hastorf et al., *Taraco Archaeological Project 2009 Excavations at Kala Uyuni*. Submitted to the Unidad Nacional de Arqueología de Bolivia (11 pages).

#### **Goodman-Elgar, Melissa**

- 2009 Report on Archaeological Sites in the Region of San Nicolás, District of Namora, Cajamarca Dept., Peru. Submitted to the National Institute of Culture of Peru (7 pages).

#### **Goodman-Elgar, Melissa and Marcia Peterson**

- 2006 Geoarchaeological investigations: Initial results of bulk analyses from Kala Uyuni, Achaci Coa Kollu and Kumi Kipa. In C. Hastorf et al., *Taraco Archaeological Project Report 2005: Excavations at Kala Uyuni and Sonaji*. Submitted to the Unidad Nacional de Arqueología de Bolivia (13 pages).

#### **Goodman-Elgar, Melissa**

- 2005 Seeking Fire and human impact in the Rocky Mountains: Prospecting in Montana and New Mexico. Submitted to the USDA Forest Service, Rocky Mountain Research Station (10 pages).
- 2004 Soil observations and sampling from excavation, ethnoarchaeological and reference contexts. In C. Hastorf et al., *Taraco Archaeological Project Report 2003: Excavations at Kala Uyuni*. Submitted to the Unidad Nacional de Arqueología de Bolivia (9 pages).
- 2003 Preliminary analysis of soil thin sections from Early Postclassical households at Rio Viejo, Oaxaca, Mexico Rio Viejo Archaeological Project, Submitted to Dr. Stacy King (U. Wyoming) and the National Science Foundation (5 pages).
- 2003 Ethnoarchaeological investigations of abandoned contemporary adobe mudbrick dwellings near Lake Titicaca, Bolivia. Submitted to Prof. Christine Hastorf (UC Berkeley), Taraco Archaeological Project and the National Science Foundation (9 pages).

### **Manuscripts in Preparation**

**Goodman Elgar, M.A., Nichole S. Bettencourt, Katherine M. Moore, Christine A. Hastorf.**

In prep. Consuming architecture: Evaluating burnt structures at the Formative tell Site of Chiripa, Bolivia. *J. Archaeological Method & Theory*. (manuscript 45 pages).

**Goodman-Elgar, Melissa** and Nichole Bettencourt

In prep. Chapter 17: Geoarchaeological investigations of Chiripa Excavations 1998-2006 deposits. In C.A. Hastorf, M.S. Bandy and L. Steadman (Eds.). *Recent Archaeology at Formative Chiripa: 1998-2006 Excavations of the Taraco Archaeological Project at Chiripa*. Walnut Creek, CA: U.C. Berkeley Archaeological Research Facility Monograph Publications/Left Coast Press. (manuscript 55 pages)

In prep. **Goodman-Elgar, Melissa**, Richard Conrey, Nichole Bettencourt, and John Wolff. Limits of detection in portable X-ray fluorescence of tropical archaeological sediments. *Geoarchaeology* (manuscript 20 pages)

**Goodman-Elgar, Melissa** and Louis Fortin.

In prep. Geoarchaeological approaches to Formative sunken courts, Taraco Peninsula Bolivia. *Latin American Antiquity*. (manuscript 52 pages)

Logan, Amanda and **Melissa Goodman-Elgar**

In prep. Microstratigraphy of medieval and ethnographic earthen dwelling from Banda, Ghana. *World Archaeology*. (manuscript 30 pages)

## CONFERENCES AND PRESENTATIONS

### Conference and Panel Organization

**Goodman-Elgar, Melissa**

2013 Session organizer: Geoarchaeology Interest Group Sponsored : Advances in Geoarchaeology. 78<sup>th</sup> Annual Society for American Archaeology Meeting, Honolulu HI.

**Goodman-Elgar, Melissa** and Ed Hajik

2012 Poster Session Co-Organizers: GIG Sponsored Poster Session: New Geoarchaeological Approaches to Paleoenvironments and Settlements. 77<sup>th</sup> Annual Society for American Archaeology Meeting, Memphis, TN.

**Goodman-Elgar, Melissa**

2011 Forum Organizer, Geoarchaeology Interest Group Sponsored Forum: Anthropogenic sediments as archaeological objects. , 76<sup>th</sup> Annual Society for American Archaeology Meeting, Sacramento, CA.

**Goodman-Elgar, Melissa**, Kelly Derr and Patrick Dolan

2009 Session Co-organizer, Geoarchaeology Interest Group Sponsored Poster Session: Geoarchaeology and Interpretation. 74<sup>th</sup> Annual Society for American Archaeology Meeting, Atlanta, GA.

Lewis, Helen, **Melissa Goodman-Elgar** and Stefania Merlo

2008 Theme Co-coordinator, Developing International Geoarchaeology (DIG 2008), World Archaeology Congress-6, Dublin Ireland

**Goodman-Elgar, Melissa** and Burcu Tung

2008            Session Co-coordinator, Geoarchaeology of Houses, DIG-2008, World Archaeology Congress-6, Dublin Ireland

**Goodman-Elgar, Melissa** and Helen Lewis

2008            Session Co-coordinator, Landscape and Land-use, DIG-2008, World Archaeology Congress-6, Dublin Ireland

2002            Co-organizer. Cultivating Archaeology: Innovations in Archaeology Conference, McDonald Institute for Archaeological Research, University of Cambridge.

2001            Co-organizer. Theoretical Archaeological Group Session: Settling the past: exploring re-occupation and the evolution of anthropogenic places. Department of Archaeology, University College Dublin.

**Goodman-Elgar, Melissa** and Joanna Brück

1995            Co-organizer. Conceptualizing Settlement Conference, McDonald Institute for Archaeological Research, Cambridge.

**Presentations and Posters**

*Forthcoming*

April 2015    **Melissa Goodman-Elgar.** A microstratigraphic perspective on early civic and ritual architecture: a case from the Kala Uyuni site, Bolivia. 80<sup>th</sup> Annual Society for American Archaeology Meeting, San Francisco, CA. April 15-19, 2015.

*Presented*

May 2014    **Melissa Goodman Elgar,** Richard Conrey, Nichole Bettencourt, John Wolff. Experiments in determining the interpretative potential of WDXRF and pXRF analyses for archaeological sediments. Archaeological Research facility Seminar, May 7<sup>th</sup>, 2014, University of California, Berkeley.

March 2014    Tiffany J. Fulkerson, Elizabeth Truman, John Dorwin, Kevin Lyons, Richard Conrey, **Melissa Goodman Elgar.** Geoarchaeological investigations of a Late Holocene site (45PO416) on the Kalispel Reservation, Pend Oreille County, WA. Poster presented at the Northwest Anthropological Association Meeting, Bellingham, WA. March 26-29, 2014.

March 2014    Elizabeth Truman, John Dorwin, Stan Gough, **Melissa Goodman Elgar.** Delineating Space Using Geoarchaeological Methods for Occupation Sites In the Pacific Northwest. Poster presented at the Northwest Anthropological Association Meeting, Bellingham, WA. March 26-29, 2014.

Jan. 2014    Nichole Bettencourt, Richard Conrey, William Nanavati, Rachel Sullivan, John Wolff, **Melissa Goodman-Elgar.** Fingerprinting Andean construction materials by X-ray fluorescence and Laser Diffraction. Poster to be presented at the 54<sup>th</sup> Annual Institute for Andean Studies meeting, Berkeley, CA.

May 2013    **Goodman-Elgar, Melissa.** Public architecture and social change during the early neolithic: A geoarchaeologist's consideration of the Bolivian Formative. South American Archaeology Seminar, May 18<sup>th</sup>, 2013. Institute for the Study of the Americas at the School for Advanced Studies and the Institute of Archaeology, University College London, UK.

- May 2013 **Goodman-Elgar, Melissa.** Space and the dynamic mind: is neolithisation evidence of changes in situated cognition? Garrod Lecture, May 16<sup>th</sup>. Division of Archaeology, University of Cambridge, UK.
- May 2013 **Goodman-Elgar, Melissa,** Richard Conrey, Nichole Bettencourt and John Wolff. Technological Choice in the Present and the Past: An Evaluation of Analytical methods in X-ray Fluorescence for the Reconstruction of Ancient Technology. Archaeological Science Seminar, May 15<sup>th</sup>, Institute of Archaeology, University College London., UK.
- May 2013 **Goodman-Elgar, Melissa,** and Amanda Logan. Tracing innovation in earthen architecture: A diachronic geoarchaeological study of dwellings from Ghana. 25th International Soil Micromorphology Workshop, May 10<sup>th</sup>, 2013, McBurney Laboratory, Division of Archaeology, University of Cambridge, UK.
- May 2013 **Goodman-Elgar, Melissa,** Richard Conrey, Nichole Bettencourt and John Wolff. Out of the Box? Limits of Detection in Portable X-ray Fluorescence of Archaeological Materials. May 10<sup>th</sup>, 2013. Pitt-Rivers Lecture, Division of Archaeology, University of Cambridge, UK.

**Goodman-Elgar, Melissa,** Nichole Bettencourt and Richard Conrey

- April 2013 Prospects for Field Determination of Elemental Composition by pXRF on Anthropogenic Sediments. 78<sup>th</sup> Annual Society for American Archaeology Meeting, Honolulu HI.

Nanavati, William Rachel Sullivan, Nichole Bettencourt, Louis Fortin, **Melissa Goodman-Elgar**

- April 2013 Characterizing tropical anthrosols by laser diffraction particle size analysis. 78<sup>th</sup> Annual Society for American Archaeology Meeting, Honolulu HI.

Truman, Elizabeth, **Melissa Goodman-Elgar,** John Dorwin, Stan Gough, Nancy Stenholm

- April 2013 Exploration of Geoarchaeological Methods for Occupation Sites In the Pacific Northwest. 78<sup>th</sup> Annual Society for American Archaeology Meeting, Honolulu HI.

Conrey, Richard, J.A. Wolff, A. Seyfarth, A. VanHoose, **M.A. Goodman-Elgar,** N.S. Bettencourt, D. Boschmann, K. Werling,

- Sept. 2012 Portable XRF Calibration Using Influence Coefficients. Geoanalysis 2012, The 8th International Conference on the Analysis of Geological and Environmental Materials held 16-20 September 2012, in Búzios, Brazil.

**Goodman-Elgar, Melissa** and Nichole Bettencourt

- April 2012 What can WDXRF and pXRF contribute to studies of cultural sediments? An Andean case Study (Poster). 77<sup>th</sup> Annual Society for American Archaeology Meeting, Memphis, TN.

Schneyder, Stacy, Kevin Bartoy, J. Tait Elder, **Melissa Goodman-Elgar** and Melissa Cascella

- 2011 At the Interface of Interpretations: The Use of the Single Context Recording System and Micromorphology in Urban Archaeology (Poster). 76th Annual Society for American Archaeology Meeting, Sacramento, CA.

**Goodman-Elgar, Melissa**

- 2011 Introduction to Sediments as Archaeological Objects Forum, 76th Annual Society for American Archaeology Meeting, Sacramento, CA.
- 2011 **Invited paper:** Social and ecological resilience in agrarian landscapes of the Andes, 76th Annual Society for American Archaeology Meeting, Sacramento, CA.
- 2010 **Invited Keynote Address:** Soil science as a tool for archaeological research on long-term cultivation in Peru. Joint Winter Workshop of the Northwest Forest Soils Council and the Pacific Regional Society of Soil Science, March 20, 2010. University of British Columbia, Vancouver, BC, Canada.
- 2009 Agriculture, landscape architecture and path dependence. Theoretical Archaeological Group (TAG) Meeting, Stanford Archaeology Center, CA.
- Goodman-Elgar, Melissa, Nichole Bettencourt and Louis Fortin**
- 2010 Politics and Building: Geoarchaeological Analyses of Formative Buildings from the Taraco Peninsula (Poster). 50<sup>th</sup> Annual Meeting, Institute of Andean Studies, Berkeley, CA.
- 2009 Geoarchaeology of earthen architecture, Taraco Archaeological Project, Bolivia. (presentation) Geological Society of America Annual Meeting, Portland, OR.
- Goodman-Elgar, Melissa and Louis Fortin**
- 2009a Geoarchaeological assessment of floor variability in a Formative sunken court complex, Taraco Peninsula, Bolivia (poster). 44<sup>th</sup> Annual Geological Society of America's Northeastern Meeting, Portland, ME. March 22-24, 2009.
- Goodman-Elgar, Melissa**
- 2009b Geoarchaeological assessment of floor variability in a Formative sunken court complex, Taraco Peninsula (different content to 2009a), Bolivia. 74<sup>th</sup> Annual Society for American Archaeology Meeting, Atlanta, GA.
- 2008 Creating sacred space: manufacture of ceremonial surfaces in Formative Bolivia. American Anthropological Association Annual Meeting, San Francisco, CA.
- 2008 Sediments in social context: Group memory and visual culture in dwellings of the Bolivian Formative. Geoarchaeology of Houses Session, DIG-2008, World Archaeology Congress-6, Dublin, Ireland.
- 2008 Niche building or costly signalling? Assessing the role of terraces in an Andean highland valley. Domesticating the Landscape Session, Land Theme, World Archaeology Congress-6, Dublin, Ireland.
- 2008 Geoarchaeological Investigations of Contemporary and Prehistoric settlement at Kala Uyuni, Bolivia. Society for American archaeology 73<sup>rd</sup> Annual Meeting, Vancouver, B.C.
- 2008 A closer look at adobe melt: High-resolution geoarchaeology of Formative settlement in Bolivia. 48<sup>th</sup> Annual Institute of Andean Archaeology Meeting, Berkeley, CA.
- 2007 Terraced Fields as Monumental Landscapes: Agriculture, ritual and rule under the Inca. Society for American Archaeology 72<sup>nd</sup> Annual Meeting, Austin, TX.

- 2007 Current Investigations of Contemporary and Prehistoric settlement at Kala Uyuni, Bolivia. 2<sup>nd</sup> Annual Developing International Geoarchaeology Conference, University of Cambridge, UK.
- 2006 Geoarchaeology under the microscope: Soil micromorphology of archaeological settlements, fields and fires. Poster presented at the 59<sup>th</sup> Annual Northwest Anthropological Conference, Seattle, WA.
- Peterson, Marcia and **Melissa Goodman-Elgar**
- 2006 Site Formation at Kumi Kipa: Geoarchaeology of a Formative Site in the Lake Titicaca Basin, Bolivia (Poster). 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- Goodman-Elgar, Melissa**, Richard Periman, Charles A.I. French, Julie Miller.
- 2005 Geoarchaeological approaches to assessing fire and human impacts on New Mexico landscapes. Rocky Mountain Anthropology Conference, Park City Utah.
- Goodman-Elgar, Melissa**
- 2005 Geo-archaeological approaches to detecting long-term climate change and human impact. WSU Environment and Society Group, Pullman, WA.
- 2004 Eulogy to Lost Nations: Spanish Chroniclers of the Andes. Theoretical Archaeology Group. Glasgow, Scotland.
- 2004 A geoarchaeological exploration of Andean Mudbrick Structures. Society for American Archaeology 69<sup>th</sup> Annual Meeting, Montreal, Canada.
- 2003 A nexus of nature and culture: Terrace landscapes in the Andes. Archaeology Seminar Series, University of Chicago.
- 2002 *Suelo negro, suelo blanco* (black soil, white soil): anthrosol variability in an Andean landscape. Geoarchaeology Seminar, McDonald Institute for Archaeological Research, University of Cambridge.
- 2002 The Logic of Landuse: decoding precolumbian agricultural terraces in the Andes. Cultivating Archaeology: Innovations in Archaeology Conference, McDonald Institute for Archaeological Research, University of Cambridge.
- 2001 Delayed investment: Reciprocity and landuse. Theoretical Archaeological Group Session: Settling the past: exploring re-occupation and the evolution of anthropogenic places. Department of Archaeology, University College Dublin.
- 2001 Anthropogenic landscapes in the Andes: A multidisciplinary approach to pre-columbian agricultural terraces and their sustainable use. South American Archaeology Seminar. Centre for Latin American Studies, London.
- 2001 Geoarchaeology in the Andes: Research design considerations. Andean Research Group. Department of Archaeology, University of Cambridge.



- 2000 Maximizing contrast, minimizing difference: The use of biotic zone models in Andean research. Socio-Cultural Landscapes Conference. St John's College, Cambridge.
- 2000 Archaeological approaches to sustainable agrarian systems and technology transfer. Sustainability, Resource Use and the Construction of Environmental Knowledge Conference. Institute of Archaeology, University College London.
- 2000 Transformation and regeneration in agricultural soils from Peru. Soil Micromorphology in Archaeology Workshop. Department of Archaeology, University of Cambridge.
- 2000 Integrating soils research into archaeological research design. Minding the Gap Conference. McDonald Institute for Archaeological Research, University of Cambridge.
- 1999 Archaeology as a Tool to Understanding Sustainable Agriculture in the Andes. Poster and presentation to the Society for Applications of Research. Department of Archaeology, University of Cambridge.
- 1999 Andean Terrace Agriculture: Productive potential and mythology. Graduate Dissertation Workshop. Department of Archaeology, University of Cambridge.
- 1998 Soil Micromorphology for Studies of Ancient Agriculture. Geoarchaeology Seminar. Geography Department, University of Cambridge.
- 1998 High Resolution Archaeology at Chiripa, Bolivia: Implications for Monticulo rebuilding. South American Archaeology Seminar, Institute for Latin American Studies, London.
- 1998 Interpreting Andean Terraces. Kay Pacha: Earth, Land, Water and Culture in the Andes Conference, University of Wales, Lampeter.
- 1998 Preliminary Soil Micromorphological Investigations from Chiripa, Bolivia. 63<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Seattle, WA.
- 1995 A Long-term Approach to Sustainable Agriculture Research. United Nations International Potato Centre, Lima, Peru.
- 1994 Continuity and House Form in Iron Age Britain. Theoretical Archaeology Group Conference. Department of Archaeology, University of Bradford.
- 1994 The use of domestic space in roundhouses: Social divisions and inequality. Time, Space and Culture in Iron Age Britain Conference, University of Durham.

#### **ARCHAEOLOGICAL FIELD WORK**

- 2014 45PO439 45PO435 Sites, Kalispel Tribal land, WA (geoarchaeologist; supervise graduates)
- 2013 45PO426 Site, Kalispel Tribal land, WA (supervise graduates)
- 2012 45PO429 Site, Kalispel Tribal land, WA (supervise graduates)
- 2012 Cajamarquilla site, Peru (Geoarchaeologist: oversee fieldwork, direct sampling)
- 2010 Redbird Beach, Snake River, ID (Geoarchaeologist)
- 2010 Alaska Way Viaduct, Seattle WA (Geoarchaeologist)
- 2009 Redbird Beach (10NP55), ID (Geoarchaeologist: sampling, student supervision).

- 2009 Taraco Archaeological Project, Bolivia (Geoarchaeologist: sampling, student supervision).
- 2009 Coyor and environs, Cajamarca Department, Peru (PI: reconnaissance).
- 2007 Wenas Creek Mammoth site (Geoarchaeologist: sampling, student supervision).
- 2006 Owyhee River Canyon, OR (Geoarchaeologist)
- 2005 Taraco Archaeological Project, Bolivia (Geoarchaeologist: sampling, student supervision).
- 2005 Cajamarca Department, Peru (PI: reconnaissance).
- 2005 Cox Ranch, NM (Geoarchaeologist: sampling).
- 2005 Goodman Point, CO. (Geoarchaeologist).
- 2004 USDA Forest Service Riparian Project. Copper Creek, MT (PI: reconnaissance).
- 2004 USDA Forest Service Riparian Project, North-central Montana; Cuba, Cibola-Magdalena, Sevilleta, New Mexico (PI: reconnaissance, sampling).
- 2003 Taraco Archaeological Project, Bolivia (Geoarchaeologist: ethnoarchaeology, sampling, excavation).
- 1996 Taraco Archaeological Project, Bolivia (Geoarchaeologist: sampling).
- 1996 Paca Valley, Peru Terrace Project (PI: survey, excavation).
- 1995 Paca Valley, Peru Terrace Project (PI: survey, excavation).
- 1995 Cusichaca Archaeological Project, Peru (Geoarchaeologist: sampling).
- 1993 County Cavan, Ireland (Crew: survey, feature planning).

## **CONSULTANCY**

- 2010 ICF International, Portland, OR: geoarchaeological investigations of Alaska Way Viaduct Site 45K1924, Seattle, WA. (\$16,103)
- 2010 Rainshadow Archaeology, Pullman, WA: geoarchaeological analyses of sediment from the 10IH3337 site, MT (\$660)

## **GRANTS AND AWARDS**

### **External Research Grants**

- 2012 NSF # 1160377: Geoarchaeologist. Cajamarquilla, Central Coast of Peru. PIs: Izumi Shimada and Rafael Segura Llanos (\$4504)
- 2011 Wenner-Gren: Geoarchaeologist. West central Ghana. PIs: Carla Sinopoli and Amanda Logan, (\$3510)
- 2004-5 Joint Venture Research Agreement, USDA Forest Service Rocky Mountain Research Station. PI: Richard Periman. (\$36,990)
- 2003-5 NSF #0234011 Geoarchaeologist to the Taraco Archaeological Project. PI: Prof. C. Hastorf: (\$10,000)
- 1997 British Federation of Women Graduates Grant (£300)

### **Internal Grants – Washington State University**

- 2011 College of Liberal Arts Faculty Travel Grant (\$750)
- 2009 College of Liberal Arts Faculty Travel Grant (\$1200)
- 2008 College of Liberal Arts Faculty Travel Grant (\$1200)

2007	WSU Faculty Travel Grant (\$1000)
2006	College of Liberal Arts Meyer Grant Development Award (\$5,000)
2005-6	WSU New Faculty Seed Grant (\$19,983)
2005	College of Liberal Arts Completion Grant (\$1,200)

### **Internal Research Grants – University of Cambridge**

1996-8, 2000	Research Grant, Jesus College, Cambridge (four awards, total: £2000)
1997-8	Research Grant, Board of Graduate Studies, Cambridge University (two awards £2000)
1996	Anthony Wilkin Fund Research Grant (£300)
1995-6	American Friends of Cambridge University Travel Grant (two awards, £600)
1993	Overseas Student Bursary, Cambridge University (£1500)

## **TEACHING AND GRADUATE SUPERVISION**

### **Graduate Students**

Ph.D. Chair

Nichole Bettencourt (projected 2015)

Ph.D. Committee

Judson Finley (2008), Ming Kuo (Hsienhui) Wu (2008), Kelly Derr (2012), Emily Green-Tracewicz (interdisciplinary, Projected 2015)

M.A. Chair

Marcia Peterson (2007), Patrick Dolan (2009), Nichole Bettencourt (2010), Elizabeth Truman (projected 2013), William Nanavati (projected 2014)

M.A. Committee

Melissa Elkins (2007), Karry Blake (2008), Ryan Swanson (2011), Erin McIlraith (2012), Jordan Jarrett (2013)

### **Undergraduate Students**

Honors thesis chair: Rachael Sullivan (2013, nominated for distinction)

## **COURSES TAUGHT**

### **Department of Anthropology, Washington State University (2004-Present)**

#### *Graduate*

Anth 530	Required Core: Archaeological Method and Theory (1 section)
Anth 549	Graduate Topical Series: Settlement and Agro-Pastoralism 4 sections, one off-load)
Anth 570/570L	Graduate Geoarchaeology Seminar and Laboratory (5 sections, plus 4 off-load labs)
Anth 600	Graduate Soil Micromorphology Microscopy Laboratory (1 section off-load)
Anth 600	Graduate Andean Archaeology (2 sections off-load)
Anth 600	Graduate Urbanism and the State (1 section off-load)
Anth 600	Graduate Exploring Latour's Actor-Network Theory for the Study of Traditional Agriculture (1 section, off-load)

#### *Undergraduate*

Anth 101	General Four Field Anthropology (10 sections)
Anth 198	Honors General Four Field Anthropology (4 Sections)
Anth 309	Cultural Ecology (8 sections)
Anth 499	Maya Cave Archaeology (senior thesis project) (1 section, off-load)
UH 370	Honors Social Science Case Study: Tawantinsuyo (3 sections)

### **Department of Anthropology, University of California, Berkeley**

#### *Undergraduate*

2003	Archaeological Science: Soil Micromorphology (Lecture and Laboratory)
2003	Landscape Archaeology of the Western Americas

### **Institute of Continuing Education, University of Cambridge**

#### *Undergraduate*

2002	World Archaeology (two sections) A Crash Course in Archaeology (intensive seminar)
2002	Tawantinsuyo: Land of the Inka
2001	The Art of Interpretation: History and Theory in Archaeology A rapid tour of the ancient civilizations of Peru (intensive seminar)

### **Department of Archaeology, University of Cambridge**

#### *Undergraduate*

2002	Geoarchaeology Laboratory: introduction to qualitative soil characterization
2001	Archaeology of the Americas: South American Archaeology First Year Origins of Agriculture Module
2001	Geoarchaeology Laboratory: Advanced soil analytical techniques
2001	Geoarchaeology Laboratory: Practice and applications in soil chemistry
1997-2001	Graduate supervision of undergraduates in the following courses (T.A. equivalent): Andean Archaeology, Archaeology of the Americas, Archaeological Method & Theory, Environment & Human Impact, Frameworks of Time, World Archaeology

### **INTERNATIONAL COLLABORATIONS WHILE AT WASHINGTON STATE UNIVERSITY**

2011-present	Cajmarquilla Hydrology Project, Peru: Lic. Rafael Segura-Llanos, Institute Riva Agüero, Archaeology Section, Pontificia Universidad Católica del Perú, Lima, Perú
2009-10	San Nicolás Archaeological Project, Peru: Dr. Alex Chepstow-Lusty Centre for Bio-Archaeology & Ecology. Université Montpellier, France  Dr. Alexander Herrera Dept. Anthropology, Universidad de los Andes, Bogotá, Colombia  Lic. Teresa E. Rosales Tham Laboratorio de Arqueobiología de la Universidad Nacional de Trujillo  Lic. Víctor F. Vásquez Sánchez Centro de Investigaciones Arqueobiológicas y Paleoecológicas Andinas, ARQUEOBIOS.Trujillo, Perú
2008	World Archaeological Congress-6 (Ireland), Theme in Geoarchaeology:

Dr. Helen Lewis, School of Archaeology, University College Dublin, Ireland

Dr. Stefania Merlo, Dept. History, University of Botswana, Republic of Botswana

2003-5      USDA Forest Service Rocky Mountain Paleofire project:  
                 Prof. Charles A.I. French, Dept. Archaeology, University of Cambridge, UK.

## **SERVICE**

### **National Service**

Society for American Archaeology, Geoarchaeological Interest Group Co-Chair 2011-2013

### **Manuscript and Grant Reviews**

Altamira Press	Latin American Antiquity
Geoarchaeology	McGraw Hill
Israel Science Foundation	National Science Foundation
J. Archaeological Science	Ñawpa Pacha Journal
Journal of the North Atlantic	Pearson Ed./Allyn & Bacon

### **University Service**

2005-present      Honors College Senior Thesis Reviewer 2005-present (12 theses)  
2011                Invited talk, Stevenson dormitory, "Folktale origins of Halloween imagery"  
2008-10            WSU Showcase Poster Presenter (3 posters)  
2009                Common Reading Lecture, "Maize in the Ancient Americas: Beer, Bread, Ceremony"  
2006                Office of Research and Development Seed Grant Presentation  
2006                Guest Seminar, Dept. Education, Graduate Environment, Culture, and Education course,  
2005                Andean terracing presentation, ENSCOG, CLA

### **Department Service**

2010-2013        Anthropology Graduate Organization, Faculty Advisor  
2006-9, 2011     Graduate Student Annual Review Committee  
2005-6, 2009     Undergraduate Committee  
2009                Guest Lecture, Dept. Anthropology, Vancouver  
2007                Colloquium Organizer for Prof. Daniel Hillel  
2005-6             Pacific Rim Faculty Hiring Committee  
2005-6             Anthropology Website Development Committee

## **LANGUAGES**

**Spanish**        Verbal (excellent), reading (excellent), written (proficient), Certificate in Spanish, Dept. Foreign Languages, University of Cambridge, 1997

**French** Verbal and reading (proficient) and written (good)

**Italian** Verbal (conversational), reading and written (good)

### **PROFESSIONAL AFFILIATIONS**

Institute of Andean Studies (USA)

Geological Society of America

National Institute of Culture Registered Archaeologist (Peru)

Register of Professional Archaeologists (USA)

Society for American Archaeology