

# Eric Dyr Dahl

*Curriculum Vitae, November 2016*

## CONTACT INFORMATION

Dumbarton Oaks  
1703 32nd St. NW  
Washington, D.C. 20007  
E-mail: erd142@psu.edu

## OCCUPATION

Profesor Auxiliar, Pontificia Universidad Católica del Ecuador  
Junior Fellow, Dumbarton Oaks  
Doctoral Student, Pennsylvania State University

## EDUCATION

### **Pennsylvania State University, University Park, Pennsylvania**

In progress      Ph.D. student, Anthropology  
Dissertation: *Interregional Interaction and Craft Production at Las Orquídeas, Imbabura, Ecuador, during the Late Formative (800-400 cal BC)*  
Expected completion: Spring 2017

2010                M.A., with distinction, Anthropology  
Thesis: *Assessing the Utility of Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) in Archaeological Research*

### **Northwestern University, Evanston, Illinois**

2007                B.A., Departmental Honors, Anthropology and Political Science  
Thesis: *Why Here? Understanding the Location of the Pambamarca Fortress Complex and Its Implications for Inka Conquest Strategies*

## RESEARCH INTERESTS

Andean archaeology (emphasis on Ecuador), household archaeology, craft production, consumption patterns, interregional interaction, political economy, conflict, resistance, obsidian, archaeometry, portable X-Ray Fluorescence (pXRF), Geographic Information Systems (GIS), central Mexican archaeology

## GRANTS & AWARDS

2016-17            Dumbarton Oaks Junior Fellowship (\$10,500 US)  
2015                William T. Sanders Achievement in Anthropology Award, Department of Anthropology, Pennsylvania State University (\$900 US)  
2015                Third Place, Social Sciences, Graduate Exhibition, Pennsylvania State University (\$100 US)  
2014                Consultancy, Secretaria de Educación Superior, Ciencia, Tecnología e Innovación del Ecuador (\$53,000 US)  
2013-14            Fulbright Student Study/Research Grant, Ecuador (\$12,600 US)  
2013                National Geographic Society, Committee for Research and Exploration (\$5,200 US)  
2013                American Philosophical Society, Lewis and Clark Fund for Exploration and Field Research (\$3,900 US)

- 2013 Latin American Studies Research and Travel Award, Pennsylvania State University (\$400 US)
- 2013 Department of Anthropology Travel Grant, Pennsylvania State University (\$457 US)
- 2012 Committee on Institutional Cooperation/Smithsonian Fellowship (\$22,500 US)
- 2012 Hill Fellowship, Pennsylvania State University (\$3,460 US)
- 2011 Department of Anthropology Travel Grant, Pennsylvania State University (\$400 US)
- 2010 Hill Fellowship, Pennsylvania State University (\$2,000 US)
- 2008-09 Graham Fellowship, Pennsylvania State University (\$2,500 US)

## PUBLICATIONS

Dyrdaahl, E., C. Montalvo, and V. Valverde

- In press Una historia complicada: ceniza volcánica y su uso en el periodo Formativo Tardío en la sierra norte del Ecuador a través del caso del sitio Los Soles (Sector Las Orquídeas). In *Volcanes, cenizas y ocupaciones antiguas en perspectiva geoarqueológica en América Latina*, edited by María Fernanda Ugalde. Quito: Pontificia Universidad Católica del Ecuador.

López Corral, A., M. A. Vera Ortiz, R. Santacruz Cano, K. G. Hirth, and E. Dyrdaahl

- In press ¿Química o color?: comparación entre el uso de fluorescencia de rayos-X portátil y las técnicas visuales de clasificación de obsidiana de Tepeticpac. *Arqueología* 50: 157-174.

Dyrdaahl, E. and S. Carr

- Submitted Appendix C: Obsidian acquisition at Malpica U, San Lorenzo. In *Olmec Lithic Economy at San Lorenzo*, edited by Ken Hirth and Ann Cyphers. Mexico City: Universidad Nacional Autónoma de México.

Glascock, M., R. J. Speakman, and E. Dyrdaahl

- Submitted Appendix B: Chemical Characterization of the San Lorenzo Obsidian Sample. In *Olmec Lithic Economy at San Lorenzo*, edited by Ken Hirth and Ann Cyphers. Mexico City: Universidad Nacional Autónoma de México.

Dyrdaahl, E.

- 2015 Obtención de obsidiana en un sector no monumental de Cochasquí. In *Cochasquí Revisitado: Historiografía, Investigaciones Recientes y Perspectivas*, edited by Dr. María Fernanda Ugalde Mora, pp. 123-132. Quito: El Gobierno de la Provincia de Pichincha.

Dyrdaahl, E. and R. J. Speakman

- 2013 Investigating Obsidian Procurement at Integration Period (ca. AD 700-1500) Tola Sites in Highland Northern Ecuador via Portable X-Ray Fluorescence (pXRF). In *Archaeological Chemistry*, edited by Ruth Ann Armitage and James Burton, pp. 211-232. Washington DC: American Chemical Society.

## CONFERENCES & PRESENTATIONS

Dyrdahl, E., C. Montalvo, P. Torres, I. Mery, and V. Valverde

2016 "Las Cadenas Operativas de Las Orquídeas: Un Estudio de la Producción Artesanal en Imbabura durante el Formativo Tardío (800 – 400 cal a.C.)." Presented at "Perspectivas Multidisciplinarias de la Arqueología Ecuatoriana," Pontificia Universidad Católica del Ecuador, Quito, Ecuador.

Dyrdahl, E. and C. Montalvo

2015 "New Perspectives on the Late Formative (ca. 1000 – 400 cal BC) in Highland Northern Ecuador from Las Orquídeas (Los Soles), Imbabura, Ecuador." Presented at the 80<sup>th</sup> Annual Reunion of the Society for American Archaeology, San Francisco.

Dyrdahl, E., C. Montalvo, and V. Valverde

2015 "Las Orquídeas y los efectos del vulcanismo en el periodo Formativo Tardío (1500 – 400 cal a.C.)." Presented at "III Taller de Geoarqueología Latinoamericana: Cenizas Holocénicas en los Andes Septentrionales," Quito, Ecuador.

Dyrdahl, E. and C. Montalvo

2015 "Nuevas Perspectivas sobre la Interacción Interregional en el Formativo Tardío del Ecuador (ca. 1000 – 400 cal a.C.)." Presented at "Perspectivas Contemporáneas de la Arqueología Ecuatoriana," Pontificia Universidad Católica del Ecuador, Quito, Ecuador.

Dyrdahl, E., C. Montalvo, and O. Cajas

2014 "Investigaciones Arqueológicas en el Sitio "Las Orquídeas." Presented at the Instituto Nacional del Patrimonio Cultural del Ecuador, Quito, Ecuador.

Dyrdahl, E. and R. J. Speakman

2013 "Investigating human social dynamics and interaction in Ecuadorian prehistory through obsidian artifact provenience." Presented at the 12<sup>th</sup> Annual Archaeological Chemistry Symposium at the 245<sup>th</sup> Annual Meeting of the American Chemical Society, New Orleans.

Dyrdahl, E.

2013 "Sample Size, Geochemical Characterization, and Distribution Models: An Ecuadorian Case Study." Presented at "Movement in Ancient Economies: Archaeological Approaches to Distribution," a conference sponsored by the Collaborative Archaeology Workgroup at The University of Michigan, Ann Arbor.

Dyrdahl, E.

2013 "Investigating Human Social Dynamics and Interaction in Integration Period (AD 500-1500) Ecuador through Obsidian Artifact Provenience." Colloquium in the Department of Anthropology, Pennsylvania State University, University Park.

Dyrdahl, E.  
2012 "Investigating Human Social Dynamics and Interaction in Ecuadorian Prehistory through Obsidian Artifact Provenience." Colloquium at the Center for Applied Isotope Studies at University of Georgia, Athens.

Dyrdahl, E.  
2011 "Resistance in Northern Ecuador: Settlement Survey in the País Caranqui." Presented at the 76<sup>th</sup> Annual Reunion of the Society for American Archaeology, Sacramento.

Kling, A., M. Schauer, E. Dyrdahl, O. Flores and C. Gifford  
2010 "The Pambamarca Archaeological Project Stealth Fortress Study: Creating Classifications for Mountain Forts." Presented at the 75<sup>th</sup> Annual Reunion of the Society of American Archaeology, St. Louis.

Dyrdahl, E., H. Sistrunk, and D. Smit  
2009 "Inka Warfare: A GIS-Based View from the Pambamarca Fortress Complex." Presented at the 74<sup>th</sup> Annual Reunion of the Society of American Archaeology, Atlanta.

#### **FIELD EXPERIENCE**

2013-present San Antonio de Ibarra, Imbabura, Ecuador. Co-director of Proyecto Arqueológico Las Orquídeas with Mtr. Carlos Montalvo.

2013-14 Ibarra, Imbabura, Ecuador. Co-director of Proyecto de Investigación de la Zona Norte del "País Caranqui" with Mtr. Carlos Montalvo.

2013 Atahualpa, Manabí, Ecuador. Supervisor of excavations at Matapalo. Project directed by Mtr. Josefina Vásquez, Universidad San Francisco de Quito.

2012 Pambamarca, Pichincha, Ecuador. Director of excavations at La Tejería. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.

2011 Pambamarca, Pichincha, Ecuador. Supervisor of excavations at Loma Sandoval. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.

2009 Pambamarca, Pichincha, Ecuador. Director of settlement survey and fortress survey team member. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.

2008 La Laguna, Tlaxcala, México. Supervisor of excavation and remote prospection at the site of La Laguna. Project directed by Dr. David Carballo, Boston University.

2007 Pambamarca, Pichincha, Ecuador. Supervisor of excavations at Cayambe settlements. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.

2006 Pambamarca, Pichincha, Ecuador. Field school student investigating fortress entrances and settlement patterns for bachelor's thesis. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.

### **LABORATORY EXPERIENCE**

- 2014-present Director of lab analysis for the Proyecto Arqueológico Las Orquídeas. Project co-directed with Mtr. Carlos Montalvo.
- 2014 Director of geochemical analysis of obsidian for Proyecto Arqueológico Teotihuacan-Tlajinga. Project directed by Dr. David Carballo, Boston University, and Dr. Kenneth Hirth, Pennsylvania State University.
- 2013-14 X-Ray Fluorescence technician for analysis of lithics, ceramics, and soils in the archaeology laboratory of Pontificia Universidad Católica del Ecuador.
- 2013 X-Ray Fluorescence supervisor in the Ceramics Laboratory in the Department of Anthropology at Pennsylvania State University with Dr. Sarah McClure.
- 2012 X-Ray Fluorescence Analysis of Ecuadorian obsidian at the Center for Applied Isotope Studies at The University of Georgia with Dr. Robert J. Speakman and the Smithsonian Museum Conservation Institute with Dr. Nicole Little and Dr. Jennifer Giaccai.
- 2010 Analysis of surface collections from the 2009 field season in the field laboratory of the Proyecto Arqueológico Pambamarca. Project directed by Dr. Samuel Connell, Foothill College, and Dr. Chad Gifford, Columbia University.
- 2007-10 Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) analysis of Mesoamerican obsidian in the Materials Characterization Laboratory with Dr. Kenneth Hirth and Dr. Maureen Feineman, Pennsylvania State University.
- 2009 Classification of paleobotanical materials from Little Salt Springs, Florida, and PO29, Puerto Rico, in the Environmental Archaeology Lab with Dr. Lee Newsom and Mtr. Johanna Talcott, Pennsylvania State University.
- 2007 Geographic Information System (GIS) analysis of resources and viewsheds from the Inka fortresses at Pambamarca, Pichincha, Ecuador, with Dr. Douglas Bolender, University of Massachusetts Boston.

### **TEACHING EXPERIENCE**

- 2015-present Profesor Auxiliar at Pontificia Universidad Católica del Ecuador  
Courses: Seminar of Archaeological Investigation (multiple semester course); Methods of Archaeological Investigation; Archaeological Theory I; Thesis Seminar; Archaeological Theory Seminar
- 2014-15 Profesor Visitante at Pontificia Universidad Católica del Ecuador  
Courses: Investigation Techniques in Archaeology; Methods of Archaeological Investigation; Andean Archaeology; Thesis Seminar; Seminar on the Northern Sierra of Ecuador; Archaeology Theory I and II

2013 Lector Visitante at Pontificia Universidad Católica del Ecuador  
Course: Lithic analysis in the Seminar on the Archaeological Investigation of Chimborazo, Ecuador

2007-13 Teaching Assistant, Pennsylvania State University  
Courses: Introduction to Archaeology; Aztecs, Mayas, and Incas; Introduction to Cultural Anthropology; Archaeological Laboratory Analysis; Forensic Archaeology

**PROFESSIONAL ORGANIZATIONS**

Society for American Archaeology

American Chemical Society