

MARIE ELIZABETH GRÁVALOS

Ph.D. Candidate

University of Illinois-Chicago

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Women in Science Doctoral Fellow

The Field Museum

egravalos@fieldmuseum.org

EDUCATION

- In progress **Ph.D. Anthropology**, University of Illinois-Chicago
Dissertation: Communities and Constellations of Practice: A Ceramic Technological Approach to Social Networks in the Callejón De Huaylas, Peru (100 BCE – 1532 CE)
- 2014 **M.S. Anthropology**, Purdue University
Thesis: Conceptualizing Community Identity Through Ancient Textiles: Technology and the Uniformity of Practice at Hualcayán, Peru
*Distinguished Master's Thesis Award, Purdue University College of Liberal Arts
- 2011 **B.A. Anthropology & Spanish**, DePaul University

RESEARCH INTERESTS

Craft production, political and household economies, communities of practice and social learning, social identity, household archaeology, ceramic analysis, textile analysis, archaeometry, Andes.

PUBLICATIONS

- In press K.J. Vaughn, **M.E. Grávalos**, M.Z. Zegarra, and A.J. Gorman, "Cerro Tortolita, an Early Intermediate Period Ceremonial Center in the Upper Ica Valley". *Peruvian Archaeology*, Yamagata University, Japan.
- In progress **M.E. Grávalos** and E.A. Sharp, "Living and Dying at Jecosh: Domestic and Funerary Patterns Over the Longue Durée at an Ancient Andean Village". For *Journal of Field Archaeology*.
- In progress **M.E. Grávalos** and R.E. Bria, "Prehispanic Highland Textile Technology: A view from the first millennium CE at Hualcayán, Ancash, Peru". For *Nanpa Pacha*.

RESEARCH GRANTS

Extramural

- 2018 National Science Foundation, Doctoral Dissertation Research Improvement Award #1830719: "Consumption of Food and Social Distinction" (\$15,664)
- 2018 The Wenner-Gren Foundation for Anthropological Research, Doctoral Dissertation Fieldwork Grant: "Social Distinction and Communities of Consumption at Jecosh, Peru (ca. 100-1000 CE)" (\$12,725)

- 2018 The Field Museum Women's Board, Field Dreams Program (\$5,000)
- 2017 Rust Family Foundation, Archaeology Research Grant (\$5,000)
- 2016 American Museum of Natural History, Collections Study Grant (\$1,394)
- 2016 National Science Foundation Cost Reduction Grant, LA-ICP-MS Analysis of Archaeological Ceramics, The Field Museum, Elemental Analysis Facility (non-monetary)
- 2016 The Field Museum, Integrative Research Center, Fee Waiver for LA-ICP-MS of collections (non-monetary)
- 2015 The Field Museum, Anthropology Alliance Grant (\$2,200)

Intramural

- 2016-2017 University of Illinois-Chicago, Chancellor's Graduate Research Award (\$8,000)
- 2014 Purdue University, Graduate School Summer Research Grant (\$2,975)

AWARDS AND FELLOWSHIPS

- 2019-2020 The Field Museum, Women in Science Doctoral Fellowship (\$32,000)
- 2019 Ford Foundation, Dissertation Fellowship (Honorable Mention)
- 2016-2019 University of Illinois-Chicago, Graduate Student Council Travel Award for Academic Conferences (\$275 annually)
- 2016-2019 University of Illinois-Chicago, Graduate College Presenter Award (\$300 annually)
- 2016 University of Illinois-Chicago, Joshua Terry Award (\$1,000)
- 2015 Purdue University, Research Incentive Grant (\$100)
- 2014 Purdue University, Professional Development Travel Grant (\$300)
- 2014 Purdue University, College of Liberal Arts Distinguished Master's Thesis (\$250)
- 2014 Purdue University, Research Incentive Grant (\$250)
- 2013 Purdue University, Professional Development Travel Grant (\$300)
- 2013 Purdue University, Research Incentive Grant (\$250)
- 2012-13 Purdue University, Ross Graduate Fellowship (\$16,250 + Full tuition waiver)
- 2012 Textile Society of America, Scholarship to attend workshop (\$150)
- 2011 Lambda Alpha Zeta of Illinois Anthropological Society Scholar (non-monetary)
- 2007-11 DePaul University, Scholar's Award (\$4,000 annually)

CONFERENCE PRESENTATIONS

- 2019 **M.E. Grávalos** and I.C. Druc. *Tracking 1,600 Years of Ceramic Technology at Prehispanic Jecosh (Ancash, Peru)*. Paper presented at the 84th Society for American

- Archaeology Meeting, Albuquerque, NM. April 10-14th.
- 2019 W. Tomczyk and **M.E. Grávalos**. *Multifunctional Bone Tool Usage at the Prehispanic Site of Jecosh (Ancash, Peru)*. Poster presented at the 84th Society for American Archaeology Meeting, Albuquerque, NM. April 10-14th.
- 2018 **M.E. Grávalos** and E.A. Sharp. *Enduring Traditions, Material Transformations: Understanding Wari State Influence in Highland Ancash, Peru*. Paper presented at the 83rd Society for American Archaeology Meeting, Washington, D.C. April 11-15th.
- 2018 E.A. Sharp and **M.E. Grávalos**. *Dwellings for the living and the dead: Tracing transformations in residential and mortuary architecture at Jecosh, Peru*. Paper presented at the 46th Midwest Conference on Andean and Amazonian Archaeology & Ethnohistory, The Field Museum, Chicago, March 17-18th.
- 2018 **M.E. Grávalos**. *Mixed Clays, Mixed Methods: Geochemical and Mineralogical Approaches for Characterizing Pottery Technologies in Callejón de Huaylas, Peru*. Invited talk for workshop “The 'Social' Side of Archaeometry: Scientific Methods for Addressing Anthropological Questions”. Presented at the Field Museum, Chicago, March 2nd.
- 2018 **M.E. Grávalos**. *Unearthing the Feast: Archaeological Insights from the Ancient Community of Jecosh, Peru*. Invited talk at the Graduate Women in Science – Chicago Chapter Meeting, Chicago, Illinois, January 24th.
- 2017 **M.E. Grávalos** and R.E. Bria. Preliminary Compositional Analysis of Raw Clays and Ceramic Pastes from the Callejón de Huaylas, Highland Ancash, Peru (ca. 200-800CE). Poster presented at the 82nd Society for American Archaeology Meeting, Vancouver, BC, Canada, March 29–April 2nd.
- 2017 R. Penfil, P.R. Williams, **M.E. Grávalos**, L. Monz. *Craft Production at Cerro Baúl: Unattached Specialization on the Wari Frontier*. Paper presented at the 82nd Society for American Archaeology Meeting, Vancouver, BC, Canada, March 29–April 2nd.
- 2016 **M.E. Grávalos**, P.R. Williams, L. Monz, and E. Hubert. *An Obsidian Stone Tool Workshop at Cerro Baúl? Wari Provincial Craft Production and Political Economy*. Paper presented at the 81st Society for American Archaeology Meeting, Orlando, Florida, April 6-10th.
- 2016 E. Hubert, P.R. Williams, L. Monz, & **M.E. Grávalos**. *Ritual Practices and the Negotiation of Wari-Tiwanaku Relations at Cerro Baúl*. Paper presented at the 81st Society for American Archaeology Meeting, Orlando, FL, April 6-10th.
- 2016 P.R. Williams, E. Hubert, **M.E. Grávalos**, and L. Monz. *Recent Excavations at the Tiwanaku Temple at Cerro Baúl*. Paper presented at the 44th Midwest Conference on Andean & Amazonian Archaeology and Ethnohistory, Detroit, Michigan. February 20-21st.
- 2016 K.J. Vaughn, A. Gorman, **M.E. Grávalos**, & M. Zegarra. *Cerro Torolita: an Early Intermediate Period Nasca center in the Ica Valley*. Paper presented at the 56th Meeting of the Institute of Andean Studies, Berkeley, CA. Jan. 8-9th.

- 2015 K.J. Vaughn, M.Z. Zegarra, and **M.E. Grávalos**. *Ica en el Período Intermedio Temprano: Su relación a Nasca*. Paper presented at the 55th Congreso Internacional de Americanistas, San Salvador, El Salvador. July 12-17th.
- 2015 **M.E. Grávalos** and K.J. Vaughn. *LA-ICP-MS Analysis of Nasca Ceramics from the Residential Sector at Cerro Tortolita, Ica, Peru*. Paper presented at the 80th Society for American Archaeology Meeting, San Francisco, California, April 15-19th.
- 2015 K.J. Vaughn, **M.E. Grávalos**, M.Z. Zegarra. *The 2014 Excavations at Cerro Tortolita, an Early Intermediate Period Ceremonial Center in the Upper Ica Valley*. Paper presented at the 80th Society for American Archaeology Meeting, San Francisco, April 15-19th.
- 2014 **M.E. Grávalos** and R.E. Bria. *Conceptualizing Communities of Weavers and Group Identity Through the Analysis of Fragmented Andean Textiles*. Paper presented at the 79th Society for American Archaeology Meeting, Austin, Texas. April 23-27th.
- 2012 **M.E. Grávalos** and R. E. Bria. *A Study of Textile Technology from Middle Horizon Tombs of the Callejón de Huaylas Valley, Peru*. Poster presented at the 77th Society for American Archaeology Meeting, Memphis, Tennessee, April 18-22th.
- 2011 **M.E. Grávalos**. *Postcards from Paradise: A Material Culture Study of Postcard Imagery & Text*. Presented at 88th Central States Anthropological Society Meeting, Iowa City, Iowa, April 7-9th.

RESEARCH EXPERIENCE

Fieldwork

- 2017-2018 **Project Director and Principal Investigator**, *Proyecto de Investigación Arqueológica – Jecosh (PLAJ)*, Recuay Province, Ancash, Perú
Co-directed with Lic. Denisse Herrera Rondan and Emily A. Sharp, Ph.D. candidate, Arizona State University
- Designed research project and directed excavations of domestic areas at the site of Jecosh. Created an original FileMaker database for in field data collection. Collaboration with local community. Utilized total station for site mapping. Organized and managed lab activities, including cleaning, processing, and cataloguing of artifacts. Co-authored final report for Peruvian Ministry of Culture.
- 2016 **Project Director and Principal Investigator**, *Callejón de Huaylas Soil Survey for Archaeological Ceramic Analysis*, Ancash, Peru.
- Designed and led survey of valley to collect soil and rock samples for geological comparison with archaeological ceramics.
- 2015 **Crew Chief**, *Proyecto Arqueológico Cerro Baúl*, Moquegua, Peru.
Principal Investigator: Dr. Patrick Ryan Williams, The Field Museum & UIC
- Led excavations of domestic areas at the site of Cerro Baúl. Oversaw all lab activities of excavated materials from the 2015 season.

- 2014 **Field Director**, *Proyecto de Investigación Arqueológica Ica Valle Medio*. Ica, Peru.
Principal Investigator: Dr. Kevin J. Vaughn, University of California, Riverside
- Directed field excavations at the site of Cerro Tortolita. Created an original FileMaker database for excavation data.
- 2011-13 **Crew Chief**, PIARA Archaeological Field School, Ancash, Peru
Principal Investigator: Dr. Rebecca E. Bria, University of Minnesota-Twin Cities
- Led excavations of domestic and mortuary areas. Taught excavation techniques to English and Spanish speaking students. Utilized total station for site mapping. Wrote sections of final report for Peruvian Ministry of Culture.
- 2010 **Participant and Field Assistant**, DePaul University Bahamas Study Abroad and Archaeological Project. San Salvador, The Bahamas.
Principal Investigators: Drs. Jane Baxter & John Burton, DePaul University
- Helped excavate test units in domestic areas of 18th c. domestic areas.
- 2010 **Field School Teaching Assistant**, DePaul Urban Archaeological Field School. Chicago, IL.
Principal Investigator: Dr. Rebecca Graff, University of Chicago and DePaul University
- Helped lead excavations of domestic areas at 19th c. Charnley-Perksey House in Chicago and co-taught excavation principles.
- 2010 **Oral History Researcher**, Chinese American Museum of Chicago and DePaul University.
Principal Investigator: Dr. Jane E. Baxter, DePaul University
- Helped conduct oral history interviews for museum exhibit.
- 2009 **Field School Student**, UNC-Chapel Hill Archaeological Field School, La Libertad, Peru.
Principal Investigator: Dr. Brian Billman, UNC, Chapel Hill
- Participated in excavations of domestic areas in the Moche Valley. Cleaned and catalogued recovered artifacts.

Lab Work & Artifact Analysis

- 2017-Present **Specialist in Ceramic Compositional Analysis**, *Proyecto de Investigación Arqueológica – Jecosh (PIAJ)*
- Design and conduct all ceramic analysis for PIAJ, including: creation of FileMaker Database for collection of attribute data, paste analysis with digital microscope, petrographic thin section analysis, and laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS).
- 2016-2019 **Research Assistant**, Elemental Analysis Facility, The Field Museum. Under the Direction of Dr. Laure Dussubieux and Dr. Ryan Williams.
- Carried out analysis of ~700 archaeological samples via LA-ICP-MS, processed geochemical data, conducted statistical analysis, coordinated with and instructed guest researchers, digitized archaeological drawings, data input into relational database.

- 2016 **Visiting Researcher**, *p-XRF of Ceramics from the Wendell C. Bennett Callejón de Huaylas, Peru Collection*, American Museum of Natural History.
- Attribute analysis, photography, and X-Ray Fluorescence Spectroscopy of archaeological ceramics.
- 2016 **Project Director and Principal Investigator**, *Museum Collections Research of Ceramic and Human Remains from highland Ancash*, Museo Arqueológico de Ancash, Huaraz, Peru.
- Co-directed with Emily A. Sharp, Ph.D. candidate, Arizona State University
- Attribute analysis, photography, and sampling of ceramics for further analysis from museum collections. Co-authored final report for Ministry of Culture.
- 2011-2014 **Textile & Perishables Specialist**, *Proyecto de Investigación Arqueológico Regional Ancash (PIARA)*, Ancash, Peru and West Lafayette, IN.
- Principal Investigator: Dr. Rebecca E. Bria, University of Minnesota-Twin Cities
- Cleaned, catalogued, and studied all perishable material recovered during 2011-2013 excavations at the site of Hualcañan, which led to my M.S. thesis. Instructed undergraduates in textile analysis.
- 2009 **Research Assistant**, DePaul University Archaeological Lab, Chicago, IL,
- Principal Investigator: Dr. Anna Agbe-Davies, UNC-Chapel Hill (current)
- Cleaned and catalogued early 20th c. artifacts recovered from the Phyllis Wheatley Home for Girls in Chicago.

MUSEUM EXPERIENCE

- 2015-Present **Scientific Affiliate and Resident Graduate Student**, Integrative Research Center, The Field Museum, Chicago IL.
- Object handling, collections-based research, and analysis of archaeological artifacts. Mentor and train undergraduate and high school students in archaeological methods. Liaise with donors and museum board members as well as help with public outreach.
- 2018 **Curator**, “Conociendo Jecosh: un Sitio Arqueológico en el Callejón de Huaylas”.
- Co-designed and co-curated a temporary museum exhibit that displayed artifacts from the site of Jecosh alongside explanatory posters. This was held at the Museo Arqueológico de Ancash (Ancash Archaeology Museum) in Huaraz, Peru, July 6th-August 26th, 2018. Collaboration with Emily A. Sharp (Ph.D. candidate, ASU) and Lic. Denisse Herrera Rondan.

WORKSHOPS AND METHODOLOGICAL TRAINING

- 2018-19 **Petrographic Thin Section Analysis of Ceramics**, individual training with Dr. Isabelle Druc at The Field Museum
- 2017 **Petrographic Thin Section Analysis of Ceramics**, One-week intensive workshop with Dr. Linda Howie at Arizona State University
- 2014-18 **Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS)** with Dr. Laure Dussubieux, Elemental Analysis Facility, The Field Museum

- 2015 **Geographic Information Systems (GIS)**, Coursework at the University of Illinois at Chicago
- 2012 **Textile Analysis**, *The Meaning of Structure/The Structure of Meaning: Ancient Andean Textile Workshop* with Mary Frame at the Cleveland Museum of Art
- 2012 **Textile Analysis**, *Warped Patterned Weaves* workshop with Anne Pollard Rowe, at The Textile Museum in Washington, D.C.

TEACHING EXPERIENCE

+Instructor of Record; *Instructor for weekly lab or discussion sections

- 2019 **Part-time Faculty**, DePaul University
- ANT 102: Introduction to Archaeology+ (one section)
- 2019 **Graduate Teaching Assistant**, University of Illinois at Chicago
- ANTH 105: Introduction to Biological Anthropology* (two sections)
- 2015-2016 **Graduate Teaching Assistant**, University of Illinois at Chicago
- GEOG 161: Introduction to Economic Geography* (three sections)
- ANTH 102: Introduction to Archaeology* (two sections)
- 2014-2015 **Graduate Teaching Assistant**, Purdue University
- ANTH 201: Introduction to Archaeology & World Prehistory* (two sections)
- ANTH 205: Human Cultural Diversity* (three sections)
- 2013-2014 **Graduate Teaching Assistant**, Purdue University
- ANTH 204: Introduction to Biological Anthropology* (two sections)
- ANTH 100: Introduction to Anthropology* (three sections)
- 2011-2013 **Assistant Field School Instructor**, PIARA Archaeological Field School, Annual summer field seasons at Hualcayán, Peru (six sessions)
- 2010 **Undergraduate Teaching Assistant**, DePaul Archaeological Field School, Chicago, IL (one session)

COMMUNITY OUTREACH AND SERVICE

- 2017-2018 **Registration Committee**, Second City Anthropology Conference, University of Illinois at Chicago (UIC)
- 2016 **Volunteer**, Second City Anthropology Conference, UIC
- 2014-15 **Co-president**, Purdue University Anthropology Graduate Student Organization (AGSO)
- 2014 **Assistant**, PIARA Digital Museum Exhibit at Hualcayán, Peru
- 2014 **Volunteer**, Next Generation Scholars Research Fair, Purdue University
- 2013-14 **Vice President**, Purdue University AGSO
- 2013 **Projectionist**, Society for Visual Anthropology Film Festival. 112th American Anthropological Association Annual Meeting in Chicago, IL

2013 **Volunteer**, Archaeology Day held at Cumberland Elementary School, West Lafayette, IN

2012-13 **Undergraduate Liaison**, Purdue University AGSO

FOREIGN LANGUAGES

Spanish Full professional fluency - reading, writing, and speaking

Portuguese Academic (can read with dictionary)

PROFESSIONAL AFFILIATIONS

2015-present Field Museum Women in Science

2011-present Society for American Archaeology