

VANESSA MUROS

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EDUCATION

In progress	PhD Archaeology Dept of History, Archaeology and Cultural Resources Management, University of the Peloponnese <i>Research focus:</i> Technology and trade of Late Bronze Age glass in the eastern Mediterranean
1999	MSc Conservation for Archaeology and Museums Institute of Archaeology, University College London
1997	MA Archaeology Institute of Archaeology, University College London
1996	BA Archaeological Studies/BA Anthropology Boston University

RESEARCH INTERESTS

Archaeological conservation; deterioration and preservation of archaeological materials in situ; technical studies of cultural heritage materials; ancient glass and metals.

CONSERVATION EXPERIENCE

2018-Present	Director of Conservation/Field School Instructor Corral Redondo Project (Iquipi, Peru)
2017-Present	Conservator Palace of Nestor Archaeological Project (Pylos, Greece)
2013-Present	Lecturer UCLA/Getty Program in the Conservation of Archaeological and Ethnographic Materials (Los Angeles, CA)
2012-Present	Head Conservator Methone Archaeological Project (Makrygialos, Pieria, Greece)
2005-Present	Lab Manager/Conservation Specialist UCLA/Getty Program in the Conservation of Archaeological and Ethnographic Materials (Los Angeles, CA)
2013	Conservator Zita Project in the Archaeology, Anthropology and Ethnography of Southern Tunisia (Zarzis, Tunisia)
2007-2013	Conservation Volunteer Southwest Museum of the American Indian, Autry National Center (Los Angeles, CA)
2009-2012	Conservator/Lab Director Pambamarca Archaeological Project (Pambamarca Region, Ecuador)
2011-2012	Consulting Conservator Castroville Mammoth Find (Castroville, CA)
2011	Consulting Conservator San Nicolas Island Field Project, California State University, Los Angeles (San Nicolas Island, CA)
2010	Conservator/Lab Director UCLA Maya Archaeology Project (San Ignacio, Belize)
2006-2008	Head Conservator Lofkënd Archaeological Project (Lofkënd, Albania)
2000-2005	Assistant Conservator Oriental Institute Museum, University of Chicago (Chicago, IL)
1999-2000	Andrew W. Mellon Fellow, Objects Conservation Los Angeles County Museum of Art (Los Angeles, CA)
1999	Conservator Sagalassos Research Project (Aglasun, Burdur, Turkey)

1999	Conservator Jabal Hamrat Fidan Project, Wadi Fidan, Jordan
1999	Project Conservator Institute of Archaeology, University College London, London, UK
1998	Conservation Intern Metals Section, Dept. of Conservation, British Museum, London, UK

RELATED WORK EXPERIENCE

2013-2016	Editor <i>Society for Archaeological Sciences Bulletin</i> (http://www.socarchsci.org/sasb.html)
2013-2016	e-Editor Association of North American Graduate Programs in Conservation (http://resources.conservation-us.org/anagpic-student-papers/)
1997-1999	Editorial Assistant <i>Journal of Conservation and Museum Studies</i> , University College London, London, UK (http://jcms-journal.com/)
1998-1999	Research Assistant Petrie Collection, Institute of Archaeology, University College London, London, UK
1997	Registration Assistant Dept. of Prehistory and Romano-Britain, British Museum, London, UK
1996	Field School Student Verberie le Buisson Campin (Verberie, France)
1995	Field School Student Poggio Civitate (Murlo, Italy)

PUBLICATIONS

Peer Reviewed Journals

Under review	Muros, V. and A. Farahani. Correlating pXRF and LA-ICPMS/EPMA analyses of archaeological glass: An investigation from the Late Antique Southern Levant.
2019	Muros, V. and N. Zacharias. Lines, spots and trails: a microscopic and mineralogical study of antimonate-opacified glass beads from Lofkënd, Albania <i>Archaeological and Anthropological Sciences</i> . 11(5):1769-1782.
2016	Muros, V. and D. A. Scott. The formation of brochantite on archaeological bronzes: A case study from Lofkënd. <i>Studies in Conservation</i> , 1-13.
2015	Prikhodko, S., D. Rimbaldi, A. King, E. Burr, V. Muros and I. Kakoulli. New advancements in SERS dye detection using interfaced SEM and Raman spectromicroscopy (μ RS): SERS dye detection using interfaced SEM and μ RS. <i>Journal of Raman Spectroscopy</i> 46(7): 632-635.
2014	Prikhodko, S., D. Rimbaldi, V. Muros , E. Burr and I. Kakoulli. Interfaced SEM and micro-Raman spectroscopy for SERS analysis of dyes on single fibers. <i>Microscopy and Microanalysis</i> 20(S3):2008-2009.
2007	Muros, V. , S. Wärmlander, D. A. Scott and J. M. Theile. Characterization of 17th-19th century metal threads from the colonial Andes. <i>Journal of the American Institute for Conservation</i> 46:3, 229-244.
2004	Muros, V. and J. Hirx. A study in the use of cyclododecane as a temporary barrier for water-sensitive ink on archaeological ceramics during desalination. <i>Journal of the American Institute for Conservation</i> 43: 2, 75-89.

Edited Volumes and Book Chapters

Forthcoming	Price, R., V. Muros and H. Barnard. Considerations in the technical analysis of ancient Egyptian material remains: Destructive and non-destructive methods. In: Koons, M. and C. Arbuckle MacLeod (eds). <i>Science and the Stories of the Egyptian Mummies and Coffins at the Denver Museum of Nature & Science</i> . Boulder, CO: University Press of Colorado.
Under Review	Barnard, H., V. Muros , and R. Boytner. The analysis of ancient organic textile dyes.
2017	Muros, V. Analysis of Roman mask padlocks in the Slocum Collection. In: Slocum, J. and D. Sonneveld. <i>Romano-Celtic mask puzzle padlocks: A study in their design, technology and security</i> . Oxford, UK: Archaeopress, 102-112.

- 2017 Muros, V. Care of Roman mask padlocks. In: Slocum, J. and D. Sonneveld. *Romano-Celtic mask puzzle padlocks: A study in their design, technology and security*. Oxford, UK: Archaeopress, 118-127.
- 2017 Muros, V. Padlock groupings based on lock covers. In: Slocum, J. and D. Sonneveld. *Romano-Celtic mask puzzle padlocks: A study in their design, technology and security*. Oxford, UK: Archaeopress, 97-101.
- 2015 Cheung, K.A., N. Xie, Z. Yao, C. Fischer, V. Muros, S. Prikhodko, and I. Kakoulli. Materials analysis. In: Houston, S. S. Newman, E. Roman, and T. Garrison. *Temple of the Night Sun. A Royal Tomb at El Diablo, Guatemala*. San Francisco: Precolumbia Mesoweb Press, 249-258.
- 2014 Muros, V. Conservation at the Lofkënd Archaeological Project, 2004-2008. In: Papadopoulos, J.K., S.P. Morris, L. Bejko and L. Schepartz. *The excavation of the prehistoric burial tumulus at Lofkënd, Albania, Vol. 1 and 2*. Los Angeles: Cotsen Institute of Archaeology Press, 122-138 (Vol. 1-text) and 915-921 (Vol. 2-illustrations).
- 2014 Muros, V. Textiles and other mineralized organic remains at Lofkënd. In: Papadopoulos, J.K., S.P. Morris, L. Bejko and L. Schepartz. *The excavation of the prehistoric burial tumulus at Lofkënd, Albania, Vol. 1 and 2*. Los Angeles: Cotsen Institute of Archaeology Press. 411-424 (Vol. 1-text) and 1043-1057 (Vol. 2-illustrations)
- 2014 Muros, V. and D.A. Scott. Analytical studies of the metal artifacts from Lofkënd. In: Papadopoulos, J.K., S.P. Morris, L. Bejko and L. Schepartz. *The excavation of the prehistoric burial tumulus at Lofkënd, Albania, Vol. 1 and 2*. Los Angeles: Cotsen Institute of Archaeology Press. 389-410 (Vol. 1-text) and 1033-1042 (Vol. 2-illustrations)
- 2014 Papadopoulos, J.K. and V. Muros. Beads of faience and glass. In: Papadopoulos, J.K., S.P. Morris, L. Bejko and L. Schepartz. *The excavation of the prehistoric burial tumulus at Lofkënd, Albania, Vol. 1 and 2*. Los Angeles: Cotsen Institute of Archaeology Press. 371-375 (Vol. 1-text) and 1024-1025 (Vol. 2-illustrations)

Book Reviews

- 2015 Muros, V., Review of C. Pedeli and S. Pulga, Translated by E. Risser, "Conservation Practices on Archaeological Sites: Principles and Mechanisms". *Journal of the American Institute for Conservation* 54:2, 114-118.

Conference Proceedings/Postprints

- 2017 Muros, V., N. Little, Y. Lin, and P. Boehnke. Down in the dumps: Analysis of glass production debris from Petrie's excavations at Amarna. In: Owczarek, N., M. Gleeson and L. Grant. *Engaging Conservation: Collaboration Across Disciplines*. London: Archetype Books.
- 2016 Muros, V., H. White and Ö. Gençay-Üstün. The use of CopyFlex food-grade, silicone rubber for making impressions of archaeological objects. *Object Specialty Group Postprints*. Proceedings of the Objects Specialty Group Session at the 43rd Annual Meeting of the American Institute for the Conservation, May 13-16, 2015, Miami, FL. Washington DC: AIC, 181-204
- 2004 Whyte, A, V. Muros and S. Barack. 2004. "Brick by Brick": Piecing together an 8th century BC facade from Iraq. *Objects Specialty Group Postprints*, 32nd Annual Meeting of the American Institute for Conservation, June 10-14, Portland, OR. Washington D.C.: AIC, 172-189.

Other Publications

- 2019 Muros, V. A day in the life at Corral Redondo, Peru. *Community Collaboration in Archaeology, IFR Blog*. Los Angeles, CA: Institute for Field Research. <https://ifrglobal.org/blog/a-day-in-the-life-at-corral-redondo-peru/> Published online: 4/19/2019. Last accessed: 5/1/2019.
- 2018 Muros, V. and E. Bowen. Conservation, education and outreach at the Corral Redondo Project, Peru. *Backdirt*. Annual Review of the Cotsen Institute of Archaeology, 84-87.
- 2015 White, H., V. Muros, and A. Weiss. "Animal, Vegetable, Mineral?" – Identifying mystery fibers in the field. *UCLA/Getty Conservation Program Blog*. Los Angeles, CA: UCLA/Getty Conservation Program. <https://uclagettyprogram.wordpress.com/2015/07/10/animal-vegetable-mineral/> Published online: 7/10/2015. Last accessed: 5/1/2019.
- 2014 Muros, V. How do you mount several tiny samples together?...Very carefully! *UCLA/Getty Conservation Program Blog*. Los Angeles, CA: UCLA/Getty Conservation Program. <https://uclagettyprogram.wordpress.com/2014/03/29/mounting-small-samples/> Published online: 3/29/2014. Last accessed: 5/1/2019.
- 2012 Muros, V. Investigation into the use of Aquazol as an adhesive on archaeological sites. *WAAC Newsletter* 34: 1, 9-11.

- 2010 Muros, V., D. Lohnas, and E. Pearlstein. Powdery paint consolidation part I: Setting up an ultrasonic humidifier and nebulizer. *UCLA/Getty Conservation Program Blog*. Los Angeles, CA: UCLA/Getty Conservation Program. <https://uclagettyprogram.wordpress.com/2010/12/30/powdery-paint-part1/> Published online: 12/30/2010. Last accessed: 5/1/2019.
- 2010 Muros, V. What's simmering in that beaker? Understanding ancient technology by manufacturing pigments. *The Iris: Behind the scenes at the Getty*. Los Angeles: J. Paul Getty Museum. <http://blogs.getty.edu/iris/whats-simmering-in-that-beaker-understanding-ancient-technology-by-manufacturing-pigments/> Published online: 6/8/2010. Last accessed: 5/1/2019
- 2010 Muros, V. To microwave, or use the stove top: that is the question...when making wheat starch paste. *UCLA/Getty Conservation Program Blog*. Los Angeles, CA: UCLA/Getty Conservation Program. <https://uclagettyprogram.wordpress.com/2010/05/09/starch-paste/> Published online: 5/9/2010. Last accessed: 5/1/2019
- 2010 Pearlstein, E. and V. Muros. ANAGPIC-UCLA/Getty Conservation Program in the Conservation of Archaeological and Ethnographic Materials. *AIC News*, 35(2), March, 13-14.
- 2008 Muros, V. Conservation research initiatives. *Backdirt* Annual Review of the Cotsen Institute of Archaeology, 38.
- 2007 Muros, V. First conservation class completes summer internships. *Backdirt*. Annual Review of the Cotsen Institute of Archaeology, 2.
- 2007 Muros, V. Conservation in Albania. *Backdirt* Annual Review of the Cotsen Institute of Archaeology, 47-48.
- 2002 Muros, V., V. Parry, and A. Whyte, 2002. Conservation research projects. *News and Notes*, Quarterly Publication of the Oriental Institute. No. 175 (Fall), 1-8.

Field/Technical Reports

- 2017 Muros, V., W. Read, M. Burton, L. Ocal and C. Pantages. *Ancient Methone Archaeological Project conservation report 2016*. Conservation report to be submitted to the Methone Archaeological Project and the 27th Ephorate of Prehistoric and Classical Antiquities, Makrygialos, Greece.
- 2016 Muros, V. *PXRF analysis of artifacts from the site of ancient Eleon*. Scientific report prepared for the Eastern Boetia Archaeological Project, Greece.
- 2015 Muros, V. and C. Pantages. *Ancient Methone Archaeological Project conservation report 2015*. Conservation report to be submitted to the Methone Archaeological Project and the 27th Ephorate of Prehistoric and Classical Antiquities, Makrygialos, Greece.
- 2014 Muros, V., A. Weiss, and H. White. *Ancient Methone Archaeological Project conservation report 2014*. Conservation report to be submitted to the Methone Archaeological Project and the 27th Ephorate of Prehistoric and Classical Antiquities, Makrygialos, Greece.
- 2013 Muros, V. *Methone Archaeological Project conservation report 2013*. Conservation report to be submitted to the Methone Archaeological Project and the 27th Ephorate of Prehistoric and Classical Antiquities, Makrygialos, Greece.
- 2012 Muros, V., B. Dolph and C. Tzadik. *Methone Archaeological Project conservation report 2012*. Conservation report to be submitted to the Methone Archaeological Project and the 27th Ephorate of Prehistoric and Classical Antiquities, Makrygialos, Greece.
- 2012 Muros, V. *PAP conservation report 2012*. Conservation report submitted to the Pambamarca Archaeological Project and the Instituto Nacional de Patrimonio Cultural, Quito, Ecuador.
- 2011 Muros, V. *PAP conservation report 2011*. Conservation report submitted to the Pambamarca Archaeological Project and the Instituto Nacional de Patrimonio Cultural, Quito, Ecuador.
- 2011 Muros, V. and A. Lewis. *Castroville mammoth find: Analytical report*. Analytical report submitted to the Castroville Mammoth Find Project, California.
- 2011 Muros, V. and A. Lewis. *Castroville mammoth find: Field conservation report*. Conservation report submitted to the Castroville Mammoth Find Project, California.
- 2010 Muros, V. *Summary of UMAP laboratory activities- 2010 Season*. Conservation report submitted to the UCLA Maya Archaeology Project and the Institute of Archaeology, Belize.
- 2009 Muros, V. *PAP conservation report 2009*. Conservation report submitted to the Pambamarca Archaeological Project and the Instituto Nacional de Patrimonio Cultural, Quito, Ecuador.
- 2007 Muros, V. and A. Bardho. *Lofkënd 2007 conservation final report*. Conservation report submitted to the Lofkënd Archaeological Project.

- 2006 **Muros, V.**, A. Lewis and A. Bardho. *Lofkënd 2006 conservation final report*. Conservation report submitted to the Lofkënd Archaeological Project and the Samuel H. Kress Foundation.
- 1999 **Muros, V.** *The removal of insoluble salts on wall paintings from Sagalassos*. Report submitted to the Sagalassos Archaeological Research Project.

CONFERENCE PARTICIPATION AND PROFESSIONAL TALKS

Conference Presentations

- 2019 **Muros, V.** *Preservation, Education and Outreach: Conservation at the Corral Redondo Project*. Society for American Archaeology 83rd Annual Meeting, April 12-14, 2015. Albuquerque, NM.
- 2016 **Muros, V.**, N. Little, Y. Lin and P. Boehnke. *Down in the dumps: Analysis of glass production debris from Petrie's excavations at Amarna*. "Engaging Conservation: Collaboration Across Disciplines" Symposium, Penn Museum, Oct. 6-8, 2016, Philadelphia, PA.
- 2015 **Muros, V.**, H. White and Ö. Gençay-Üstün. *The use of CopyFlex food-grade, silicone rubber for making impressions of archaeological objects*. 43rd Annual Meeting of the American Institute for the Conservation, May 13-16, 2015, Miami, FL.
- 2015 **Muros, V.**, N. Zacharias, W. Shelley and I. Kakoulli. *The technology and trade of glass in SE Europe: Analysis of 12th-9th c. BC glass from Lofkënd and Methone*. Society for American Archaeology 80th Annual Meeting, April 15-19, 2015. San Francisco, CA.
- 2014 **Muros, V.** *What lies beneath: Analytical studies of bronze and glass artifacts from the prehistoric tumulus at Lofkënd*. Western Association for Art Conservation Annual Meeting, Sept. 8-11, 2014, San Francisco, CA.
- 2014 **Muros, V.**, N. Zacharias and J.K. Papadopoulos. *The technology of Late Bronze Age-Early Iron Age glass in the Mediterranean: Analytical studies of vitreous materials from Lofkënd*. International Symposium on Archaeometry, May 19-23, 2014, Los Angeles, CA.
- 2013 **Muros, V.** *Analyzing deteriorated glass using pXRF: A preliminary study of vitreous beads from the Late Bronze Age- Early Iron Age tumulus of Lofkënd in Albania*. Society for American Archaeology 78th Annual Meeting, April 3-7, 2013. Honolulu, HI.
- 2012 **Muros, V.** and A. Lewis. "Holy Mammoth, Batman!": *Conservation education and outreach for the preservation of a Columbian mammoth*. 40th Annual Meeting of the American Institute for the Conservation, May 8-12, 2012, Albuquerque, NM.
- 2012 **Muros, V.**, A. Lewis, C. Daly and H. Dibner. *The Castroville mammoth find: Conservation and collaboration*. Society for California Archaeology 46th Annual Meeting, March 29-April 1, San Diego, CA.
- 2011 **Muros, V.** "No, I'm not making cocaine": *The challenges of archaeological conservation in northern highland Ecuador*. 2011 Western Association for Art Conservation Annual Meeting, Oct. 19-22, 2011, Austin, TX.
- 2011 **Muros, V.**, L. Chayes and M. Gleeson. *Inks and barcodes: Methods of labeling and tracking objects*. Paper and hands-on session presented at the 2011 California Associations of Museums Conference "Powerful Practice in Challenging Times", March 2-4, 2011, Pasadena, CA.
- 2010 **Muros, V.** and Ö. Gençay-Üstün. *Preserving California's cultural heritage: Collaborations with archaeologists and tribal communities*. Society for California Archaeology 44th Annual Meeting, March 17-20, Riverside, CA.
- 2009 **Muros, V.**, J. Lehner, and A. Bardho. *The sampling of archaeological metals for lead isotope analysis using EDTA: A "minimally destructive" alternative*. Poster Session, 37th Annual Meeting of the American Institute for Conservation, May 19-22, 2009, Los Angeles, CA.
- 2008 **Muros V.** and A. Lewis. *Storage solutions for portable finds at the Lofkënd Archaeological Project*. Paper presented at the National Endowment for the Humanities funded symposium "Storage: Preservation and Access of Archaeological Collections", UCLA/Getty Conservation Program, June 7-8, 2008, University of California Los Angeles, CA.
- 2008 **Muros, V.**, S. Wärmlander, and D. A. Scott. *Characterization of pre-Colombian gold wires*. Poster Session, 36th Annual Meeting of the American Institute for Conservation, April 21-24, 2008, Denver, CO.
- 2007 **Muros, V.**, S. Wärmlander, D. A. Scott and J. Theile. *Characterization of 17th-19th century metal threads from the colonial Andes*. Poster Session, 35th Annual Meeting of the American Institute for Conservation, April 16-20, 2007, Richmond, VA.
- 2004 Whyte, A, **Muros, V.** and Barack, S. "Brick by Brick": *Piecing together an 8th century BC facade from Iraq*. Poster Session, 32nd Annual Meeting of the American Institute for Conservation, June 10-14, 2004, Portland, OR.

Organized Symposia

- 2013 Muros, V. Co-organizer and session chair, *Archaeometric Methods, Archaeological Materials & Ancient Technologies*. Society for American Archaeology 78th Annual Meeting, April 3-7, 2013. Honolulu, HI.
- 2011 Muros, V. Discussant for the *1st International SAA Symposium for Recent, International Advances in the Use of PXRF and other Portable Field Technologies for Archaeochemical Studies of Sites in the Americas*. Society for American Archaeology 76th Annual Meeting, March 30-April 3, 2011. Sacramento, CA.

Workshops

- 2017 Chayes, L. and V. Muros. *Object Handling*. Santa Barbara Museum of Art, February 10, 2017, Santa Barbara, CA.
- 2016 Serotta, A. and V. Muros. *Innovation at the Juncture of Conservation and Archaeology: Collaborative Technical Research*. 117th Annual Meeting of the Archaeological Institute of America, Jan. 6-9, San Francisco, CA.
- 2013 Lewis, A., V. Muros, Ö. Gençay-Üstün. *Flaking, fragile, and fragmentary: Safe lifting and storage of delicate objects in the field*. Society for California Archaeology 47th Annual Meeting, March 7-10, San Francisco, CA.
- 2012 Gleeson, M., V. Muros, L. Chayes, Ö. Gençay-Üstün, and A. Lewis. *Flaking, fragile, and fragmentary: Safe lifting and storage of delicate objects in the field*. Society for California Archaeology 46th Annual Meeting, March 29-April 1, San Diego, CA.
- 2011 Muros, V. *Packing and storage of archaeological collections*. Session taught as part of the day long workshop "Caring for Artifacts-From the Field to the Lab" at the Society for California Archaeology 45th Annual Meeting, March 10-13th, Rohnert Park, CA.

PUBLIC LECTURES

- 2019 *Corral Redondo, Peru: 75 years later*. Presented with H. Barnard and D. Zborover. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2019 *The intersection of preservation, education and community outreach. Conservation at the Corral Redondo Project*. Andean Working Group, Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2014 *Conservation and research at the Methone Archaeological Project*. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2012 *"Holy Mammoth, Batman!": Conservation education and outreach for the preservation of a Columbian mammoth*. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2010 *Night of the corroding dead: The effect of burial environment on archaeological bronzes*. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2009 *Ancient Peruvian textile workshop: Conservation, education and outreach*. Cotsen Institute of Archaeology, University of California, Los Angeles.
- 2007 *Brick by Brick: Piecing together an 8th century BC facade from Iraq*. Chicago Area Conservation Group, Oriental Institute Museum, University of Chicago.

PUBLIC OUTREACH AND EDUCATION

- 2009-Present **Social Media Manager**
 UCLA/Getty Conservation Program Blog (<https://uclagettyprogram.wordpress.com/>)
 UCLA/Getty Conservation Program Website (<http://conservation.ucla.edu>)
 UCLA/Getty Conservation Program Facebook page (<https://www.facebook.com/UCLAGettyProgram>)
 UCLA/Getty Conservation Program Twitter (@UCLAGettyCons)
- 2009-Present **Moderator/Administrator**
 pXRF for Cultural Heritage Users Group
- 2010-2016 **Contributor**
 "Conservators Converse" blog, American Institute for the Conservation of Historic and Artistic Works (AIC). (<http://www.conservators-converse.org/>)
- 2012-2014 **Mentor**
 AIC's Emerging Conservation Professionals Network (ECPN) Mentoring Program

2010-2014	Contributor/Editor Objects Specialty Group (OSG) Wiki, American Institute for the Conservation of Historic and Artistic Works (AIC). (http://www.conservation-wiki.com/index.php?title=Objects)
2005-2014	Volunteer Cotsen Institute of Archaeology's Annual Open House
2012-2013	Volunteer educator/Conservation consultant "ARC Smart" Program, Los Angeles Unified School District Art and Artifact Collection and USC'S Archaeology Research Institute.
2012	Volunteer Conservator San Miguel Chapel, American Institute for Conservation Angel's Project, Santa Fe, NM
2009-2011	Contributor "Wikipedia Saves Public Art" (http://en.wikipedia.org/wiki/Wikipedia:WikiProject_Public_art and http://en.wikipedia.org/wiki/Stephanie_and_Spy)
2009	Volunteer Conservator Sherman Indian Museum, American Institute for Conservation Angel's Project, Riverside, CA

TEACHING EXPERIENCE

University of California, Los Angeles

2015-2019	<i>Field Methods in Archaeological Conservation: Readiness, Response and Recovery</i> (UCLA/Getty Conservation Program), Instructor
2018	<i>Conservation Laboratory: Metals I</i> (UCLA/Getty Conservation Program), Instructor
2017	<i>Directed Individual Studies</i> (UCLA/Getty Conservation Program), Instructor - Analytical studies of a group of ceramic vessels from the site of Amapa in Nayarit, Mexico - The analysis and treatment of glass beads on a group of Native American leather leggings and arm cuffs.
2017	<i>Conservation Laboratory: Metals II</i> (UCLA/Getty Conservation Program), Co-Instructor
2014-2016	<i>Cultural Materials Science II: Characterization Methods in the Conservation of Materials</i> (UCLA/Getty Conservation Program), Lab Assistant
2014-2016	<i>Conservation Laboratory: Metals I</i> (UCLA/Getty Conservation Program), Lab Assistant
2014-2016	<i>Structure, Properties and Deterioration of Materials: Metals</i> (UCLA/Getty Conservation Program), Lab Assistant
2014-2016	<i>Conservation Laboratory: Ceramics, Glass and Glazes</i> (UCLA/Getty Conservation Program), Lab Assistant
2015	<i>Directed Individual Studies</i> (UCLA/Getty Conservation Program), Instructor - Examination and treatment of African iron objects from the Fowler Museum at UCLA
2013	<i>Structure, Properties and Deterioration of Materials: Ceramics, Glass, Glazes</i> (UCLA/Getty Conservation Program), Lab Assistant
2012	<i>Field Methods in Archaeological Conservation: Readiness, Response and Recovery</i> (UCLA/Getty Conservation Program), Co-Instructor
2008-2012	<i>Deterioration and Conservation of Inorganic Materials III: Metals</i> (UCLA/Getty Conservation Program) Lab Assistant
2006-2012	<i>Deterioration and Conservation of Inorganic Materials II: Metals, Metal-Composite Objects and Stone</i> (UCLA/Getty Conservation Program), Lab Assistant
2006-2011	<i>Deterioration and Conservation of Inorganic Materials I: Ceramics and Glass</i> (UCLA/Getty Conservation Program) Lab Assistant
2007-2011	<i>Scientific Methodologies for Art and Archaeology</i> (UCLA/Getty Conservation Program), Lab Assistant
2011	<i>Collections Care: Investigation and care of art and artifact collections in the museum, gallery or private home</i> (UCLA Extension), Co-instructor
2009	<i>Conservation Materials and Methods</i> (UCLA/Getty Conservation Program), Lab Assistant
2008	<i>Deterioration and Conservation of Organic Materials III</i> (UCLA/Getty Conservation Program), Lab Assistant
2005-2008	<i>Photographic and Graphic Documentation for Conservation</i> (UCLA/Getty Conservation Program), Lab Assistant

University of Southern California

2013-2014	<i>Scientific Analysis in Archaeology</i> (Dept. of Anthropology), Guest Lecturer
2006	<i>Near Eastern and Mediterranean Archaeology</i> (Dept. of Religion), Guest Lecturer

University of Chicago2002-2004 *Instrumental Analysis in Archaeology* (Dept. of Near Eastern Art and Archaeology), Guest Lecturer

AWARDS, GRANTS AND HONORS

2017 Antiquities Endowment Fund, American Research Center in Egypt (\$11500 USD)
 2017 UCLA Non-Senate Faculty Curriculum Development Grant (\$1300 USD)
 2016 UCLA Staff Assembly Scholarship (\$500 USD)
 2016 Research Associate, Malcolm H. Wiener Laboratory for Archaeological Science Fellowship, American School of Classical Studies Athens (\$3600 USD)
 2015 Research grant, The John Anson Kittredge Fund (\$6000 USD)
 2015 UCLA Non-Senate Faculty Professional Development Grant (\$1800 USD)
 2013 FAIC Individual Professional Development Scholarship (\$1000 USD)
 2007 UCLA Staff Assembly Scholarship (\$500 USD)
 2004 Samuel H. Kress Foundation Professional Development Grant (\$3000 USD)

UNIVERSITY SERVICE/ACTIVITIES**MA Theses Supervised**

2018 Lindsay Ocal, *Analytical studies of a group of ceramic vessels from the site of Amapa in Nayarit, Mexico*, UCLA/Getty Conservation Program (committee co-chair)
 2016 Colette Khanaferov, *Characterization of pigments, colorants, inks, and paper of a printed 18th century illustrated Armenian prayer scroll using non-invasive spectroscopic and analytical imaging technique*, UCLA/Getty Conservation Program (committee member)
 2016 William Shelley, *Biocorrosion of archaeological glass*, UCLA/Getty Conservation Program (committee member)
 2014 Madeleine Neiman, *The alteration of cinnabar in archaeological Roman wall paintings*, UCLA/Getty Conservation Program (committee member)
 2014 Carinne Tzadik, *Conservation, analysis and treatment of Jaina figurines*, UCLA/Getty Conservation Program (committee member)

Departmental Service

2013-2017 Admissions committee member, UCLA/Getty Conservation Program

PROFESSIONAL COMMITTEE SERVICE

2004-2014 Publications Committee, American Institute for the Conservation of Historic and Artistic Works (AIC).
 2002-2014 Chair, Website Committee, Objects Specialty Group (OSG), American Institute for the Conservation of Historic and Artistic Works (AIC). (<http://cool.conservation-us.org/coolaic/sg/osg/>).

CONTINUING EDUCATION

2009 *Ancient Peruvian Textiles Workshop*. Museum Textile Services, Instructor: Camille Breeze
 2008 *Textiles of the World: Archaeological and Ethnographic Textiles of the Old World*. UCLA, Dept. of World Arts and Culture, Instructor: Elizabeth Barber
 2004 *Ancient and Historic Metals*. University of California, Los Angeles, Instructor: David A. Scott

PROFESSIONAL MEMBERSHIPS

American Institute for Conservation
 American Research Center in Egypt
 Archaeological Institute of America
 Society for Archaeological Sciences

Society for American Archaeology