

# VANESSA MUROS

Cotsen Institute of Archaeology, UCLA  
A419 Fowler Building  
Los Angeles, CA 90095-1510  
e: vmuros@ucla.edu

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## EDUCATION

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

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## RESEARCH INTERESTS

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

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## CONSERVATION EXPERIENCE

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| 2019-Present | <b>Director</b><br>Experimental and Archaeological Sciences Laboratory (EASL), Cotsen Institute of Archaeology, UCLA (Los Angeles, CA)              |
| 2017-Present | <b>Conservator</b><br>Palace of Nestor Archaeological Project (Pylos, Greece)   |
| 2012-Present | <b>Head Conservator</b><br>Methone Archaeological Project (Makrygialos, Pieria, Greece)   |
| 2019         | <b>Conservator</b><br>Shire Archaeological Project (Shire, Tigray Region, Ethiopia)   |
| 2018-2019    | <b>Director of Conservation/Field School Instructor</b><br>Corral Redondo Project (Iquipi, Peru)  |
| 2013-2019    | <b>Lecturer</b><br>UCLA/Getty Program in the Conservation of Archaeological and Ethnographic Materials (Los Angeles, CA)                            |
| 2005-2019    | <b>Lab Manager/Conservation Specialist</b><br>UCLA/Getty Program in the Conservation of Archaeological and Ethnographic Materials (Los Angeles, CA) |
| 2013         | <b>Conservator</b><br>Zita Project in the Archaeology, Anthropology and Ethnography of Southern Tunisia (Zarzis, Tunisia)                           |
| 2007-2013    | <b>Conservation Volunteer</b><br>Southwest Museum of the American Indian, Autry National Center (Los Angeles, CA)                                   |
| 2009-2012    | <b>Conservator/Lab Director</b><br>Pambamarca Archaeological Project (Pambamarca Region, Ecuador)   |
| 2011-2012    | <b>Consulting Conservator</b><br>Castroville Mammoth Find (Castroville, CA)   |
| 2011         | <b>Consulting Conservator</b><br>San Nicolas Island Field Project, California State University, Los Angeles (San Nicolas Island, CA)                |
| 2010         | <b>Conservator/Lab Director</b><br>UCLA Maya Archaeology Project (San Ignacio, Belize)  |
| 2006-2008    | <b>Head Conservator</b><br>Lofkënd Archaeological Project (Lofkënd, Albania)  |

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| 2000-2005 | <b>Assistant Conservator</b><br>Oriental Institute Museum, University of Chicago (Chicago, IL)             |
| 1999-2000 | <b>Andrew W. Mellon Fellow, Objects Conservation</b><br>Los Angeles County Museum of Art (Los Angeles, CA) |
| 1999      | <b>Conservator</b><br>Sagalassos Research Project (Aglasun, Burdur, Turkey)                                |
| 1999      | <b>Conservator</b><br>Jabal Hamrat Fidan Project, Wadi Fidan, Jordan                                       |
| 1999      | <b>Project Conservator</b><br>Institute of Archaeology, University College London, London, UK              |
| 1998      | <b>Conservation Intern</b><br>Metals Section, Dept. of Conservation, British Museum, London, UK            |

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## RELATED WORK EXPERIENCE

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

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## PUBLICATIONS

### Peer Reviewed Journals

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|------|---|
| 2020 | Zacharias, N., E. Palamara, R. Kordali and V. Muros. 2020. Archaeological glass corrosion studies: Composition, environment and content. <i>Scientific Culture</i> . 6(3): 53-67  |
| 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 ( $\mu$ RS): SERS dye detection using interfaced SEM and $\mu$ 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

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|-------------|---|
| 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. Arbuttle MacLeod (eds). <i>Science</i> |
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and the Stories of the Egyptian Mummies and Coffins at the Denver Museum of Nature & Science. Boulder, CO: University Press of Colorado.

- 2017 Muros, V. Analysis of Roman mask padlocks in the Slocum Collection. In: Slocum, J. and D. Sonneveld. *Romano-Celtic mask puzzle padlocks: A study in their design, technology and security*. 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: Precolombia 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, 231-246.
- 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. The Experimental and Archaeological Sciences Laboratory. *Backdirt*. Annual Review of the Cotsen Institute of Archaeology. Los Angeles: Cotsen Institute Press, 82-83.
- 2019 Muros, V. and E. Rezes. Building a Community Museum: Conservation Initiatives at the Corral Redondo Project. *Backdirt*. Annual Review of the Cotsen Institute of Archaeology. Los Angeles: Cotsen Institute Press, 60-63.
- 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-corrals-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.

#### Unpublished Technical Reports

- 2017 Muros, V. *Results of the pXRF analysis of Roman stone statuettes from the Athenian Agora*. Report prepared for research conducted by Dr. Brian Maartens, Athenian Agora Excavations, American School of Classical Studies in Athens.
- 2016 Muros, V. *PXRF analysis of artifacts from the site of ancient Elcon*. Report prepared for the Eastern Boetia Archaeological Project, Greece.
- 2011 Muros, V. and A. Lewis. *Castroville mammoth find: Analytical report*. Report submitted to the Castroville Mammoth Find Project, California.
- 2011 Muros, V. and A. Lewis. *Castroville mammoth find: Field conservation report*. Report submitted to the Castroville Mammoth Find Project, California.
- 1999 Muros, V. *The removal of insoluble salts on wall paintings from Sagalassos*. Report submitted to the Sagalassos Archaeological Research Project.

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#### CONFERENCE PARTICIPATION AND PROFESSIONAL TALKS

##### Conference Presentations

- 2020 Muros, V., E. Rezes, L. Li, and E. Bowen. *Preservation and Conservation Education at the Corral Redondo Archaeological Project*. In the Footsteps of Toribio Mejia Xesspe: The Corral Redondo Archaeological , Peru Virtual Symposium. May 31st, 2020.
- 2020 Jacobs, I. and V. Muros. *Public outreach and the Community Museum*. In the Footsteps of Toribio Mejia Xesspe: The Corral Redondo Archaeological , Peru Virtual Symposium. May 31st, 2020.

- 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 12<sup>th</sup>-9<sup>th</sup> 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*. 40<sup>th</sup> 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 47<sup>th</sup> 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 46<sup>th</sup> 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.

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**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.

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**PUBLIC OUTREACH AND EDUCATION**

- 2009-Present **Moderator/Administrator**  
pXRF for Cultural Heritage Users Group
- 2009-2019 **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)
- 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](http://en.wikipedia.org/wiki/Wikipedia:WikiProject_Public_art) and [http://en.wikipedia.org/wiki/Stephanie\\_and\\_Spy](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

- 2020 *PXRF Analysis: You've collected your data. Now what?* (Digital Archaeology Lab Summer Workshop Series, Cotsen Institute of Archaeology), Instructor
- 2020 *PXRF Analysis: Setting up a Research Methodology* Workshop (Cotsen Institute of Archeology), Co-instructor
- 2015-2019 *Field Methods in Archaeological Conservation: Readiness, Response and Recovery* (UCLA/Getty Conservation Program), Instructor
- 2018 *Conservation Laboratory: Metals I* (UCLA/Getty Conservation Program), Instructor
- 2017 *Directed Individual Studies* (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 *Conservation Laboratory: Metals II* (UCLA/Getty Conservation Program), Co-Instructor
- 2014-2016 *Cultural Materials Science II: Characterization Methods in the Conservation of Materials* (UCLA/Getty Conservation Program), Lab Assistant
- 2014-2016 *Conservation Laboratory: Metals I* (UCLA/Getty Conservation Program), Lab Assistant
- 2014-2016 *Structure, Properties and Deterioration of Materials: Metals* (UCLA/Getty Conservation Program), Lab Assistant
- 2014-2016 *Conservation Laboratory: Ceramics, Glass and Glazes* (UCLA/Getty Conservation Program), Lab Assistant
- 2015 *Directed Individual Studies* (UCLA/Getty Conservation Program), Instructor  
- Examination and treatment of African iron objects from the Fowler Museum at UCLA
- 2013 *Structure, Properties and Deterioration of Materials: Ceramics, Glass, Glazes* (UCLA/Getty Conservation Program), Lab Assistant
- 2012 *Field Methods in Archaeological Conservation: Readiness, Response and Recovery* (UCLA/Getty Conservation Program), Co-Instructor
- 2008-2012 *Deterioration and Conservation of Inorganic Materials III: Metals* (UCLA/Getty Conservation Program)  
Lab Assistant
- 2006-2012 *Deterioration and Conservation of Inorganic Materials II: Metals, Metal-Composite Objects and Stone* (UCLA/Getty Conservation Program), Lab Assistant
- 2006-2011 *Deterioration and Conservation of Inorganic Materials I: Ceramics and Glass* (UCLA/Getty Conservation Program)  
Lab Assistant
- 2007-2011 *Scientific Methodologies for Art and Archaeology* (UCLA/Getty Conservation Program), Lab Assistant
- 2011 *Collections Care: Investigation and care of art and artifact collections in the museum, gallery or private home* (UCLA Extension), Co-instructor
- 2009 *Conservation Materials and Methods* (UCLA/Getty Conservation Program), Lab Assistant
- 2008 *Deterioration and Conservation of Organic Materials III* (UCLA/Getty Conservation Program), Lab Assistant
- 2005-2008 *Photographic and Graphic Documentation for Conservation* (UCLA/Getty Conservation Program), Lab Assistant

### University of Southern California

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

### University of Chicago

- 2002-2004 *Instrumental Analysis in Archaeology* (Dept. of Near Eastern Art and Archaeology), Guest Lecturer

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**AWARDS, GRANTS AND HONORS**

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| 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)   |

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**UNIVERSITY SERVICE/ACTIVITIES**
**MA Theses Supervised**

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

**Departmental Service**

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| 2013-2017 | Admissions committee member, UCLA/Getty Conservation Program |
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**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). ( <a href="http://cool.conservation-us.org/coolaic/sg/osg/">http://cool.conservation-us.org/coolaic/sg/osg/</a> ). |

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**CONTINUING EDUCATION**

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

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**PROFESSIONAL MEMBERSHIPS**

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