

Amy Elizabeth Clark

College Fellow

Department of Anthropology

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EDUCATION

- 2015 University of Arizona, School of Anthropology, Tucson, AZ
Ph.D., Anthropology (Archaeology) with minor in Geosciences
Dissertation title: “Spatial structure and the temporality of assemblage formation: a comparative study of seven open air Middle Paleolithic sites in France”
Chair: Steven L. Kuhn
- 2008 University of Arizona, School of Anthropology, Tucson, AZ
M.A., Anthropology
Thesis title: “Changes in Occupation Intensity during the Lower and Middle Paleolithic at Tabun Cave, Israel”
Chair: Steven L. Kuhn
- 2005 New York University, Anthropology Department, New York, NY
B.A., Anthropology

ACADEMIC APPOINTMENTS

- 2019-present College Fellow, Harvard University, Cambridge, MA
- 2018-2019 Postdoctoral Researcher, University of Oklahoma, Norman, OK
- 2017-present Director of Research, Oklahoma Public Archaeology Network, University of Oklahoma, Norman, OK
- 2015-2016 Postdoctoral Fellow, Fyssen Foundation and Institut de recherches archéologiques preventives, Campagne, France

HONORS, FELLOWSHIPS, GRANTS AND AWARDS

- 2020 Leakey Foundation Grant for proposal entitled “The contribution of Northwest Africa to the cultural origins of modern humans: Archaeological excavations at Jorf el Hamam, southwest Morocco”, \$23,850
- 2015-2016 Fyssen Foundation Post-Doctoral Fellowship, \$24,000
- 2015 Teach at Tübingen Fellowship for Teaching and Research (awarded but declined)
- 2008-2015 Research and travel grants from the School of Anthropology, \$10,984 total
- 2011-2012 Chateaubriand Fellowship for PhD candidates in the humanities and social sciences to conduct dissertation research in France, \$12,000

- 2011 Fulbright Fellowship for France (awarded but declined)
- 2011 School of Anthropology Riecker Grant, \$450
- 2009 College of Social & Behavioral Sciences Outstanding Graduate Teaching Assistant Award
- 2009 School of Anthropology Riecker Grant, \$1000
- 2007-2008 IGERT NSF Fellowship in Archaeological Sciences, \$30,000
- 2004 Ranieri International Scholars Fund Grant through New York University, \$800

PUBLICATIONS

Edited Volumes

- In press. **Clark, Amy E.** and Gingerich, Joseph A. M. Gingerich (Eds). *Intra-Site Spatial Analysis of Mobile and Semi-Sedentary Peoples: Analytical approaches to reconstructing occupation history*. The University of Utah Press.
2016. Kuhn, Steven L. and **Clark, Amy E.** (Eds). Moving On: Anthropological Perspectives on Human Mobility. Special edited issue. *Evolutionary Anthropology* 25(3).

Articles

- Under review. **Clark, Amy E.** and Ranlett, Sarah. The origins of a built environment: the spatial signatures of Neanderthals and Modern Humans. In *More Than Shelter from the Storm: Hunter-Gatherer Houses and the Built Environment*, edited by Danielle Macdonald and Brian Andrews. University of Florida Press.
- Under review. Schasseh, E. M., Fernandez, P., Kuhn, S., Stiner, M., Mentzer, S., Colarossi, D., **Clark, A.**, Lanoe, F., Pailes, M., Hoffmann, D., Benson, A., Rhodes, E., Benmansour, M., Laissaoui, A., Ziani, I., Matutano, P., Morales, J., Djellal, Y., Longet, B., Hublin, J.-J., Mouhiddine, M., Rafi, F.-Z., Worthey, K. B., Sanchez-Morales, I., Ghayati, N., and Bouzougar, A. Early Middle Stone Age personal ornaments from Bizmoune Cave, Morocco. *Science Advances*.
- In press. **Clark, Amy E.** Rethinking Intrasite Spatial Analysis. In *Intra-Site Spatial Analysis of Mobile and Semi-Sedentary Peoples: Analytical approaches to reconstructing occupation history*, edited by **A.E. Clark** and J.A.M. Gingerich, The University of Utah Press.
- In press. **Clark, Amy E.** and Joseph A. M. Gingerich. Going Forward in Intrasite Spatial Analysis: An Afterward to the Volume. In *Intra-Site Spatial Analysis of Mobile and Semi-Sedentary Peoples: Analytical approaches to reconstructing occupation history*, edited by **A.E. Clark** and J.A.M. Gingerich, The University of Utah Press.
2019. **Clark, Amy E.** Comment on “Forager Mobility in Constructed Environments” by Randall Haas and Steven L. Kuhn. *Current Anthropology* 60(4):515-516.

2019. **Clark, Amy E.** Using Spatial Context to Identify Lithic Selection Behaviors. *Journal of Archaeological Science: Reports* 24: 1014-1022.
2018. Grimstead, Deanna N., **Clark, Amy E.**, and Rezac, Adam. Uranium and Vanadium Concentrations as a Trace Element Method for Identifying Diagenetically Altered Bone in the Inorganic Phase. *Journal of Archaeological Method and Theory* 25: 689-704.
2018. White, R., Bourillion, R., Mensan, R., **Clark, A.**, Chiotti, L., Higham, T., Ranlett, S., Tartar, E., Morola, A., and Soulier, M-C. Newly discovered Aurignacian engraved blocks from Abri Cellier. *Quaternary International* 498: 99-125.
2018. Bourillion, R., White, R., Tartar, E., Chiotti, L., Mensan, R., **Clark, A.**, Castel, J.-C., Cretin, C., Higham, T., Morala, A., Ranlett, S., Sisk, M., Devière, T., and Comeskey, D. J. A new discovery of Aurignacian art at Abri Blanchard, France: Implications for understanding Aurignacian graphic expression in Western and Central Europe. *Quaternary International* 491: 46-94.
2018. Kuhn, Steven L., Shimelmitz, Ron, and **Clark, Amy E.** The road to differentiated land use and domestic space in the Middle Pleistocene of southwestern Asia. In *Crossing the Threshold: Dynamic transformation in hominin societies during the Late Middle Pleistocene*, edited by Matt Pope, John McNabb, and Clive Gamble, pp. 43-59. Routledge, New York.
2018. Quade, Jay, Stiner, Mary C., Copeland, Aubrey, **Clark, Amy E.**, and Özbaşaren, Mihriban. Summary of Carbon-14 Dating of the Cultural Levels of Aşıklı Höyük. In *The Early Settlement of Aşıklı Höyük: Essays in Honor of Ufuk Esin*, edited by Mihriban Özbaşaren, Güneş Duru, and Mary Stiner, pp. 43-56. Ege Press, Istanbul.
2017. **Clark, Amy E.** Beyond Activity Areas: New Methods to Document the Formation of Spatial Structure in Hunter-Gatherer Sites. *Journal of Archaeological Method and Theory* 24(4): 1300-1325.
2017. White, R., Mensan, R., **Clark, A.**, Tartar, E., Marquer, L., Bourillon, R., Goldberg, P., Chiotti, L., Cretin, C., Rendu, W. Pike-Tay, A., and Ranlett, S. Technologies for the Control of Heat and Light in the Vézère Valley Aurignacian. *Current Anthropology* 58: S288-S302.
2016. Deschamps, M., **Clark, A.**, Claud, E., Colonge, D., and Normand, C. Approche technico-économique et fonctionnelle des occupations de plein air du Paléolithique moyen récent autour de Bayonne (Pyrénées-Atlantiques). *Bulletin de la Société préhistorique française* 113(4):659-689.
2016. **Clark, Amy E.** Time and Space in the Middle Paleolithic: Spatial structure and occupation dynamics of seven open air sites. *Evolutionary Anthropology* 25(3):153-163.
2016. Kuhn, Steven L., Raichlen, David A., and **Clark, Amy E.** What moves us? How mobility and movement are at the center of human evolution. *Evolutionary Anthropology* 25(3):86-97.
2015. Kuhn, Steven L. and **Clark, Amy E.** Artifact densities and assemblage formation in the Paleolithic: evidence from Tabun Cave. *Journal of Anthropological Archaeology* 38:8-16.

2015. **Clark, Amy E.** Changes in land use and occupation intensity at the onset of the Middle Paleolithic? A view from Tabun Cave, Israel. In *Settlement Dynamics of the Middle Paleolithic and Middle Stone Age*, volume IV, edited by N. Conard and A. Delagnes, pp. 127-144. Kerns Verlag, Tübingen.
2014. Shimelmitz, R., Kuhn, S.L., Jelinek, A.J., Ronen, A., **Clark, A.E.**, and Weinstein-Evron, M. 'Fire at will': the emergence of habitual fire use 350,000 years ago. *Journal of Human Evolution* 77:196-203.
2014. Quade, J., Shanying, L.F., Stiner, M.C., **Clark, A.E.**, Mentzer, S.M., and Özbaşaren, M. Radiocarbon dating, mineralogy, and isotopic composition of hackberry endocarps from the Neolithic site of Aşıklı Höyük, Central Turkey. *Radiocarbon* 56 (4): S17-S25.
2014. Kuhn, Steven L. and **Clark, Amy E.** Stone Tool Technology. In *Oxford Handbook of the Archaeology and Anthropology of Hunter Gatherers*, edited by Vicki Cummings, Peter Jordan, and Marek Zvelebil, pp. 607-624. The University of Oxford Press, Oxford.
2013. Grimstead, D.N., Pailes, M.C., Dungan, K.A., Dettman, D.L., Martínez-Tagüeña, N. and **Clark, A.E.** Identifying the Origin of Southwestern Shell: A Geochemical Application to Mogollon Rim Archaeomolluses. *American Antiquity* 78(4): 640-661.
2012. Mensan, R., Bourrillon, R., Cretin, C., White, R., Gardière, P., Chiotti, L., Sisk, M., **Clark, A.**, Higham, T. and Tartar, E. Une nouvelle découverte d'art parétal aurignacien in situ à l'abri Castanet (Dordogne, France): contexte et datation. *Paléo* 23 :171-181.
2012. White, R., Mensan, R., Bourrillon, R., Cretin, C., Higham, T.F.G., **Clark, A.E.**, Sisk, M.L., Tartar, E., Gardère, P., Goldberg, P., Pelegrin, J., Valladas, H., Tisnérat-Laborde, N., Sanoit, J. de, Chambellan, D., and Chiotti, L. Context and dating of Aurignacian vulvar representations from Abri Castanet, France. *Proceedings of the National Academy of Science* 109(22):8450-8455.

Book Reviews

2016. **Clark, Amy E.** Review of "Stone tools in the Paleolithic and Neolithic Near East" by John J. Shea, 2013. *Lithic Technology* 41(3): 247-248.

Site Reports

- 2017 Contributor, *Une séquence paléolithique de plein-air sur les hauteurs de Bayonne*. Nouvelle-Aquitaine, Aquitaine, Pyrénées-Atlantiques, Bayonne, Avenue du Prissé. Sous le direction de David Cologne. Rapport d'opération, INRAP.
- 2011-2012, Contributor, *Rapport d'opérations à Abri Blanchard, Dordogne, France*. Sous le direction de R. White, New York University.
- 2005-2010. Contributor, *Rapport d'opérations à Abri Castanet, Dordogne, France*. Sous le direction de R. White, New York University.

CONFERENCE PARTICIPATION

Organized Symposia

- 2018 Annual Meeting of the Society for American Archaeology, Washington, D.C.
“Intra-Site Spatial Analysis of Mobile Peoples: Analytical Approaches to Reconstructing Occupation History”, co-organized and chaired with Joseph A. M. Gingerich
- 2014 Annual Meeting of the Society for American Archaeology, Austin
“Moving on: Anthropological Perspectives on Human Mobility”, co-organized and chaired with Steven L. Kuhn
- 2012 Annual Meeting of the Society for American Archaeology, Memphis
“The Aurignacian in the Classic Region: New Excavations, Insights and Approaches”, co-organized and chaired with Matthew L. Sisk
- 2010 Annual Meeting of the Society for American Archeology, St. Louis
“The Roots of the Middle Paleolithic”, co-organized and chaired with Steven L. Kuhn

Papers Presented

- 2019 Annual Meeting of the Society for American Archaeology, Albuquerque, NM
“Built Environments in the Middle and Early Upper Paleolithic”
- 2018 76th Annual Plains Anthropological Conference, San Antonio, Texas
“Bridging Stakeholders Through Research: Goals and Initial Activities of the Gang of Oklahoman First American Researchers”
- 2018 Annual Meeting of the European Association of Archaeologists, Barcelona, Spain
“Patterns in Stone: A Comparative Framework for Intra-Site Spatial Patterning”
- 2018 Annual Meeting of the Society for American Archaeology, Washington, D.C.
“The Spatial Analysis of Raw Material Use at Open Air Sites in France”
- 2018 2nd Biannual Oklahoma Archaeology Conference, Norman, OK
“Patterns in Stone: Deciphering Neanderthal Site and Land Use Through Lithic Scatters”
- 2016 Society of Africanist Archaeologists, Toulouse, France
“First results on the MSA of the South Atlantic Coast of Morocco from Bizmoune Cave (Essaouira)”
- 2015 Annual Meeting of the Society for American Archaeology, San Francisco
“Analyzing activity areas when only one material remains: The interpretation of low density, ‘empty’ areas in open air Middle Paleolithic sites”
- 2015 Paleoanthropology Society Annual Meeting, San Francisco

“The spatial distributions of lithic artifacts within Middle Paleolithic sites: a comparative study of seven sites”

2014 Annual Meeting of the Society for American Archaeology, Austin

“Time and Space in the Middle Paleolithic: Spatial Analysis of Open Air Sites in France”

2013 Inaugural meeting of the Southwestern Association of Biological Anthropologists, Tempe

“Spatial Organization of Middle Paleolithic sites in France”

2013 Paleoanthropology Society Annual Meeting, Honolulu

“Spatial Organization within Open Air Sites in France”

2012 Annual Meeting of the Society for American Archaeology, Memphis

“Spatial Organization at Abri Castanet (Sergeac, France)”

2012 Paleoanthropology Society Annual Meeting, Memphis

“A recently excavated Aurignacian fire feature at Abri Castanet, France”, co-authors: R. Mensan, M. Sisk, R. White, P. Goldberg, and L. Marquer

2012 Annual Meeting of the Hugo Obermaier Society, Toulouse, France

“Intrasite Spatial Organization in the Middle Paleolithic: Methodology and Preliminary Results”, co-author: L. Bourguignon

2010 Congrès préhistorique de France, UISPP Session, Les Eyzies, France

“Transitions in mobility and technological provisioning at the onset of the Middle Paleolithic? A view from Tabun Cave, Israel”

2010 Annual Meeting of the Society for American Archeology, St. Louis

“Changes in site/land use between the Acheuleo-Yabrudian and Middle Paleolithic at Tabun Cave, Israel”

2009 Paleoanthropology Society Annual Meeting, Chicago

“Changes in Occupation Intensity at Tabun Cave, Israel”

2005 NYU Undergraduate Research Conference

“Early Cro-Magnon Stone Tools: The Abri Blanchard (France) Collection at the American Museum of Natural History”

INVITED LECTURES

2020 **Clark, A. E.** Intra-site spatial analysis and human mobility. University of Connecticut.

2019 **Clark, A. E.** Human mobility, social connectivity, and intra-site spatial analysis. Archaeology Lecture Series, Harvard University

2019 **Clark, A. E.** Are They Us? Neanderthals after the Genomic Revolution. Anthropology Lecture Series, University of Oklahoma.

2015 **Clark, A. E.** Temporality of assemblage formation reconstructed through intra-site spatial analysis of open-air sites in France. University of Tübingen, Germany.

TEACHING EXPERIENCE

Courses Taught (* denotes new course preparation)

2021 Sophomore Tutorial on Archaeological Theory, Undergraduate seminar, Harvard University
2020 Quantitative Methods for Archaeologists*, Graduate course, Harvard University
2020 Proseminar in Small Scale Societies, Required graduate seminar, Harvard University
2020 Game of Stones: European Archaeology from Handaxes to Stonehenge* (Paleolithic-Bronze Age), Undergraduate lecture, Harvard University
2020 Sophomore Tutorial on Archaeological Theory, Undergraduate seminar, Harvard University
2019 Lithic Technology*, Graduate Seminar, Harvard University
2018 Public Archaeology, Graduate Seminar, University of Oklahoma
2011 Patterns in Prehistory* (World Archaeology), Undergraduate lecture, University of Arizona

Served as Teaching Assistant

2015 The Human Machine (Bioanthropology), University of Arizona
2013 Natural History of our Closest Relatives (Primatology), University of Arizona
2010 Origins of Human Diversity (Human Evolution), University of Arizona
2009 Patterns in Prehistory (World Archaeology), University of Arizona
2009 Principles of Archaeology, University of Arizona
2008 Patterns in Prehistory (World Archaeology), University of Arizona

ADVISING

Current

Xin Su (Committee Member; 3rd year graduate student, Harvard University)
Research focus: Ground stone technology in the late Neolithic to Early Bronze Age, China

Jack Bishop (Committee Member; 1st year graduate student, Harvard University)

Graduated

Mathilde Ribordy (Primary Advisor; Senior Thesis Writer, Harvard University, 2020)
Thesis title: "The Use of Aquatic Resources in Human Evolution: Gaj17, a Late Pleistocene Locality at Koobi Fora, Kenya"

FIELD AND RESEARCH PROJECTS

2019-present Director, excavation of Jorf El Hamam (Essaouria, Morocco), Middle-Late Stone Age rockshelter, Co-Director: Abdeljalil Bouzouggar

- 2017-present PI, Gang of Oklahoma First Americans Researchers, project focused on the earliest occupations of Oklahoma, including survey, excavation, and a strong public archaeology component, Co-PI: Bonnie Pitblado
- 2014-present Member, research team led by S. Kuhn and A. Bouzouggar, excavation of Bizmoune Cave (Essaouria, Morocco), Middle Stone Age/Aterian
- 2019 Participant, excavation of La Prele Mammoth Site, Clovis-age open-air habitation and mammoth kill site, Douglas, Wyoming, directed by T. Surovell, M. Mackie, M. O'Brien, S. Pelton, and R. Kelly
- 2016-2017 Associate Director, responsible for information technology and spatial analysis, excavations at the Aurignacian site of Sous-le-Roc, Dordogne, France, directed by R. White.
- 2015 Participant, excavations of The Cook Site and The Keystone Site, terminal Pleistocene hunter-gatherer, Delta Junction, Alaska, directed by J. Reuther and F. Lanoë.
- 2014-2015 Associate Director, responsible for information technology and spatial analysis, excavations at the Aurignacian site of Abri Cellier, Dordogne, France, directed by R. White
- 2009-2014 Researcher, AMS radiocarbon lab, University of Arizona (Tucson, AZ). Pretreatment, extraction, and graphitization of radiocarbon samples on standard and low-level contamination lines
- 2011-2013 Associate Director and Field Director, excavations at the Aurignacian site of Abri Blanchard, Dordogne, France, directed by R. White
- 2005-2013 Associate Director, responsible for information technology, excavations at the Aurignacian site of Abri Castanet, Dordogne, France, directed by R. White.
- 2012-2013 Participant, excavations as part of the project, "Investigating the Middle to Upper Paleolithic Transition in Southeast Serbia", Knjaževac, Sokobanja, Serbia, led by S. Kuhn and D. Mihailovic
- 2012 Lithic Analysis, Rio Moctezuma Archaeological Project, Sonora, Mexico
- 2012 Spatial analysis (including lithic refitting) of the Middle Paleolithic site Avenue du Prissé, Bayonne, France, directed by D. Colonge.
- 2010-2011 Researcher, Geoarchaeology Lab, University of Arizona (Tucson, AZ). Pretreatment of bulk sediment samples for radiocarbon dating

- 2009-2011 Director, Saguaro National Park Cultural Resources Mapping Project (Tucson, AZ). paid position to create a GIS database for all cultural resources in Saguaro National Park, included surveying and mapping cultural resources in the park.
- 2006-2009 Lithic analysis of A. Jelinek's collection from Tabun Cave, Israel (Lower/Middle Paleolithic). Hunter and Gatherer Lab, University of Arizona (Tucson, AZ)
- 2008 Participant, excavation and lithic analysis of Kaletepe Deresi 3 (Kömürcü, Turkey), Lower Paleolithic, led by S. Kuhn
- 2008 Participant, excavation of Fin del Mundo (Hermosillo, Mexico), a Clovis gomphothere kill site, directed by Guadalupe Sanchez and Vance Holliday
- 2007 Participant, excavation of Üçağzlı I and Üçağzlı II Caves (Hatay, Turkey), Middle and Upper Paleolithic, directed by S. Kuhn and E. Güleç.
- 2005-2006 Laboratory Assistant, digitalized maps, prepared figures for publication, organized field database. Archaeology Laboratory, New York University (New York, NY).
- 2005 Lithic analysis of Abri Blanchard (Aurignacian site, Dordogne, France) collection housed at the American Museum of Natural History (New York, NY).
- 2004-2005 Participant, excavation and lithic analysis (2004) of Roc de Marsal (Campagne-du-Bugue, France), Middle Paleolithic, directed by H. Dibble and S. McPherron
- 2004 Participant, excavation of Les Pradelles (Marillac, France), Middle Paleolithic, directed by B. Maureille
- 2004 Participant, excavation of La Grotte d'Isturitz (Hasparren, France), Aurignacian/Upper Paleolithic, directed by C. Normand
- 2002 Participant, Yeronisos Island Excavation Field School (Agios Georgios, Cyprus), directed by J. B. Connelly

SERVICE AND OUTREACH

- 2018: Public talk at the Oklahoma Anthropological Society meeting, Oklahoma City chapter
- 2018: Public talk at the Oklahoma Anthropological Society meeting, Cleveland County chapter
- 2009-2010: Graduate representative, Undergraduate Anthropology Organization
- 2007-2008: Archaeological talks/activities with 6th graders at the Wildcat School (Tucson, Arizona)
- 2007: Public talk at the Brandon town library, Brandon, VT.

SPECIAL SKILLS

- Proficient in speaking/writing/reading French
- Pretreatment, extraction, and graphitization of radiocarbon samples
- Geographic Information Systems (using ArcGIS)
- Geographic Positioning Systems

Adobe Illustrator and Photoshop
Database management