

Claudine Gravel-Miguel, Ph.D.

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Postdoctoral Research Scholar
Institute of Human Origins
School of Human Evolution and Social Change
Arizona State University
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EDUCATION

- 2017 **Ph.D.**, School of Human Evolution and Social Change, Arizona State University
Dissertation title: *The impacts of geography and climate change on Magdalenian social networks*
Committee: Dr. C. Michael Barton, Dr. Geoffrey Clark, and Dr. Anick Coudart
- 2011 **M.A.**, Department of Anthropology, University of Victoria
Thesis title: *Exoticism of art and ornaments: a study of social networks in the Upper Paleolithic*
Committee: Dr. April Nowell, Dr. Yin Lam, and Dr. Nicolas Rolland
- 2009 **B.A. (with great distinction)**, Anthropology major, Hispanic studies minor, McGill University
- 2002 **Diplôme d'étude collégiale (equivalent to an Associate degree)**, Arts and Letters, CÉGEP de Saint-Hyacinthe

PROFESSIONAL INTERESTS

Upper Paleolithic, human-environment interactions, environmental reconstructions, Geographical Information Systems, Agent-Based Models, social networks, mobility, Europe, cultural transmission, portable art, ornaments.

GRANTS, SCHOLARSHIPS, AND AWARDS

Research Grants

- 2021-2026 **Insight Grant, Social Science and Humanities Research Council**
Project Title: *Documenting forager adaptations to dramatic climate change at the Pleistocene-Holocene transition in Liguria (Italy)*
PI: **C. Gravel-Miguel** and J. Riel-Salvatore, CI: F. Negrino and E. Cristiani
(\$336,316. Award #435-2021-0861)
- 2018-2022 **Insight Development Grant, Social Science and Humanities Research Council**

Project Title: *Contextualizing the Upper Paleolithic burial from Arma Veirana*
PI: **C. Gravel-Miguel** and J. Riel-Salvatore, CI: C. Orr, C. Miller, D. Strait, F. Negrino, J. Hodgkins, and S. Benazzi.
(\$56,226. Award #430-2018-00846)

2014 **Graduate and Professional Student Association Research Grant**

Scholarships and Fellowships

2011-2015 **Joseph-Armand Bombardier Canada Graduate Scholarship: Doctoral Scholarship**
Project Title: *Portable Art and Social Networks: A Study of Raw Material Sources in the Production of Engraved Stone Plaquettes and Figurines around the Last Glacial Maximum*
(\$80,000. Award #752-2011-1015)

2012-2014 **Doctoral Recruiting Fellowship**
Arizona State University fellowship awarded to students of high academic standing.

2010 **Joseph-Armand Bombardier Canada Graduate Scholarship: Master's Scholarship**
Project Title: *Portable art as communication device around the Last Glacial Maximum*
(\$20,000. Award #766-2010-0530)

2010 **University of Victoria President's Research Scholarship**
University of Victoria Faculty of Graduate Studies scholarship awarded to students holding NSERC, SSHRC and CIHR awards valued at \$25,000 or less.

2009 **University of Victoria Fellowship**
Awarded to the entering student with the highest GPA.

Awards

2017 **3rd place, Institute for Social Science Research poster contest**

2016 **1st place, Institute for Social Science Research poster contest**

2016 **Reynold Ruppé Prize in Archaeology**

2014-2015 **College of Liberal Arts and Science Graduate Excellence Award**

2012 **SHESC Graduate Research Award**

2008 **J.W. McConnell Award**
Awarded by the McGill University Committee on Scholarship and Student Aid on the basis of high academic standing and faculty recommendations.

PUBLICATIONS

Peer Reviewed

- 2022 Torrese P., F. Zucca, S. Martini, S. Benazzi, D. Drohobytsky, **C. Gravel-Miguel**, J. Hodgkins, D. Meyer, C. Miller, M. Peresani, C. Orr, J. Riel-Salvatore, D.S. Strait, F. Negrino. *Ground-truth validated 3D electrical resistivity imaging of the Archaeological deposits at Arma Veirana Cave (Northern Italy)*. *Journal of Quaternary Science*.
- 2021 Hodgkins J., C.M. Orr, **C. Gravel-Miguel**, J. Riel-Salvatore, L. Bondioli, E. Cristiani, L. Mancini, A. Nava, F. Lugli, S. Silvestrini, M. Romandini, S. Arrighi, F. Baruffaldi, G. Pothier-Bouchard, D. Meyer, D. Drohobytsky, S. Talamo, H.M. Keller, R. Belén Griggs, C.E. Miller, M. Peresani, D.S. Strait, S. Benazzi, F. Negrino. *Infant funeral rites and female personhood in early Mesolithic Europe*, *Scientific Reports* 11: 23735
- 2021 Sparacello, V.S., I. Dori, S. Rossi, A. Varalli, J. Riel-Salvatore, **C. Gravel-Miguel**, A. Riga, F. Seghi, G. Goude, S.W.L. Pastra, E. Stamini, V. Formicola, and J. Moggi-Cecchi. *New human remains from the Late Epigravettian "necropolis" of Arene Candide (Liguria, northwestern Italy): direct radiocarbon evidence and inferences on the funerary use of the cave during the Younger Dryas*, *Quaternary Science Reviews* 268:107131
- 2021 **Gravel-Miguel, C.**, J. K. Murray, B. J. Schoville, C. D. Wren, and C. W. Marean. *Explaining variability in lithic armature discard in the Middle Stone Age archaeological record*. *Journal of Human Evolution* 155:102981
- 2020 Hirniak, J., E. Smith, R. Johnsen, M. Ren, J. Hodgkins, C. Orr, J. Riel-Salvatore, S. Fitch, C.E. Miller, A. Zerboni, G.S. Mariani, J. Harris, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi, and C.W. Marean, *Discovery of cryptotephra at Middle-Upper Paleolithic sites Arma Veirana and Riparo Bombrini, Italy: A new link for broader geographic correlations*, submitted to the *Journal of Quaternary Science* 35(2):199-212
- 2018 **Gravel-Miguel, C.** *The Magdalenian environmental and social contexts of Le Placard*. In *The Grotte du Placard at 150. New Considerations on an exceptional prehistoric site* (C. Delage, ed), Archaeopress Archaeology, Oxford, pp. 157-169
- 2018 **Gravel-Miguel, C.** and C. D. Wren. *Agent-based least-cost path analysis and the diffusion of Cantabrian Lower Magdalenian engraved scapulae*. *Journal of Archaeological Science* 99:1-9
- 2018 Riel-Salvatore, J., **C. Gravel-Miguel**, R. Maggi, G. Martino, S. Rossi, and V.S. Sparacello. *New insights into Epigravettian funerary ritual at Caverna delle Arene Candide*. In *Palaeolithic Italy: Advanced studies on early human adaptations in the Apennine Peninsula* (V. Borgia & E. Cristiani, eds), Sidestone Press, Leiden, pp. 335-356

- 2017 **Gravel-Miguel, C.**, J. Riel-Salvatore, R. Maggi, G. Martino, and C. M. Barton. The breaking of ochred pebble tools as part of funerary ritual in the Arene Candide Epigravettian cemetery. *Cambridge Archaeological Journal* 27(2):331-350
- 2017 Negrino, F., S. Benazzi, J. Hodgkins, B.M. Holt, C.E. Miller, C. Orr, M. Peresani, J. Riel-Salvatore, D. Strait, **C. Gravel-Miguel**, H. DeSantis, E. Leger, S. Martini, E. Perroni, A. Laliberté, G. Pothier-Bouchard, E. Starnini, A. Zerboni. On-Going Research and First Data from Middle and Upper Palaeolithic Sites of Liguria Region. *Bulletin Du Musée d'Anthropologie Préhistorique de Monaco* 56: 141–144.
- 2016 **Gravel-Miguel, C.** Using Species Distribution Modeling to contextualize Lower Magdalenian social networks visible through portable art stylistic similarities. *Quaternary International* 412:112-123
- 2013 Riel-Salvatore, J. and **C. Gravel-Miguel**. Upper Paleolithic Mortuary Practices, in *The Oxford Handbook of the Archaeology of Death and Burial* (S. Turlow & L. Nilsson-Stutz, eds.), Oxford University Press, Oxford, pp. 303-346

Accepted manuscripts

- N/A **Gravel-Miguel, C.**, J. DeVynck, C.D. Wren, J.K. Murray, C.W. Marean. *Understanding the intensity of prehistoric coastal occupation*, submitted to *Quaternary International*.
- N/A **Gravel-Miguel, C.** and F. Coward. Palaeolithic social networks and behavioural modernity. In M. Peoples, J. Munson, B. Mills, and T. Brughmans (Eds.), *The Oxford Handbook of Archaeological Network Research*. Oxford: Oxford University Press. 27 pages.

Not Peer Reviewed

- 2016 Gao, J., **Gravel-Miguel, C.**, O'Neill, B., and C. M. Barton. Human and earth system models to assess regional climate change impacts and adaption in urban systems and their hinterlands. In M. Pesaresi, M. Melchiorri, A. Siragusa, and T. Kemper (Eds.), *The Atlas of the Human Planet*. Luxembourg: Publications Office of the European Union.

Manuscripts under review

- N/A R. Bischoff, C. Padilla-Iglesias, **C. Gravel-Miguel**. *Evaluating the effects of randomness on missing data in archaeological networks*, submitted to International Conference on Computer Applications & Quantitative Methods in Archaeology (CAA) 2021 - "Digital Crossroads".
- N/A **Gravel-Miguel, C.**, J. Hodgkins, C.M. Orr, E. Cristiani, D. Strait, M. Peresani, S. Benazzi, G. Pothier-Bouchard, H.M. Keller, D. Meyer, D. Drohobytsky, S. Talamo,

C.E. Miller, F. Negrino, J. Riel-Salvatore. *The ornaments of the Arma Veirana Early Mesolithic infant burial*, submitted to PlosOne

N/A Fernandez Lopez de Pablo, J., M. Hamilton, **C. Gravel-Miguel**, A. Migliano, F. Riede, M. Derex, E. Gjesfjeld, V. Romano, S. Lozano Pérez. *To understand cultural evolution in Hunter-Gatherers, we need to adopt 'Network Thinking'*

Manuscripts in preparation

N/A **Gravel-Miguel, C.** *The impact of Magdalenian Hunter-gatherers on their environment.*

N/A Negrino F., C.M. Orr, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi, H.M. Keller, S. Talamo, G. Pothier Bouchard, D. Meyer, D. Drohobytsky, C.E. Miller, J. Hirniak, J. Hodgkins. *Arma Veirana, a Neanderthal and Mesolithic site in northwestern Italy.*

N/A Lebrun C., **C. Gravel-Miguel**, J. Hodgkins, C.M. Orr, E. Cristiani, D. Strait, M. Peresani, S. Benazzi, G. Pothier Bouchard, H.M. Keller, D. Meyer, D. Drohobytsky, S. Talamo, C.E. Miller, F. Negrino, J. Riel-Salvatore. *Experimentally reconstructing the Arma Veirana shell use-wear.*

N/A Meyer D.E., D. Drohobytsky, V. Petrovic, E. Lo, **C. Gravel-Miguel**, J. Hodgkins, C.M. Orr, J. Riel-Salvatore, G. Pothier Bouchard, D. Strait, M. Peresani, S. Benazzi, C.E. Miller, F. Negrino, F. Kuester. *Multi-modal fusion of volumetric 3D data for the comprehensive reconstruction of a burial site within site context.*

N/A Keller H., J.M. Hodgkins, C.M. Orr, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi, S. Talamo, G. Pothier Bouchard, D. Meyer, D. Drohobytsky, C.E. Miller, J. Hirniak, F. Negrino, J. Riel-Salvatore. *The Faunal Assemblage of Arma Veirana, Northwestern Italy.*

N/A Keller H., J.M. Hodgkins, N. Cleghorn, C.M. Orr, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi, S. Talamo, G. Pothier Bouchard, D. Meyer, D. Drohobytsky, C.E. Miller, J. Hirniak, F. Negrino, J. Riel-Salvatore. *A taphonomic comparison of two late Pleistocene zooarchaeological assemblages in northwest Italy and the Western Cape of South Africa.*

OTHER PEER REVIEWED PRODUCTS

2022 **Gravel-Miguel, C.**, R. Bischoff, and C. Padilla-Iglesias. "ArchMatNet: Archaeological Material Networks" (Version 1.0.0). *CoMSES Computational Model Library.*

- 2020 **Gravel-Miguel, C.** "Visibility of archaeological social networks" (Version 1.0.0).
CoMSES Computational Model Library. <https://doi.org/10.25937/r16k-z217>
- 2019 **Gravel-Miguel, C.** and C. Wren. "Least-cost path mobility" (Version 1.2.0).
CoMSES Computational Model Library. <https://doi.org/10.25937/p68v-0z64>

PROFESSIONAL POSITIONS

- 2017-Present **Postdoctoral Research Scholar**, Institute of Human Origins, ASU (USA)
- 2019 **Instructor**, Agent-Based Model Winter School, ASU (USA)
- 2016 **Modeler**, ChainBuilder, ASU (USA)
Coding to facilitate visualization of complex simulation outputs.
- 2015-2016 **Research Assistant**, School of Human Evolution and Social Change, ASU (USA)
Python coding and GIS manipulation for the EaSM2 project at the National
Center for Atmospheric Research (NCAR).
- 2012-2015 **Teaching Assistant**, School of Human Evolution and Social Change, ASU (USA)
 - *Archaeology of the Southwest*
 - *Human Impacts on the Environment*
 - *Buried Cities and Lost Tribes*
 - *Geoarchaeology*
- 2015 **Grader**, School of Human Evolution and Social Change, ASU (USA)
 - *Food and Culture*
- 2014 **Digital Curator**, the Digital Archaeological Record, ASU (USA)
- 2011 **Research Assistant**, School of Human Evolution and Social Change, ASU (USA)
Python and GRASS programming.
- 2011 **Teaching Assistant**, Department of Anthropology, University of Victoria (Canada)
 - *Beyond the grave: The Archaeology of Death*

TEACHING EXPERIENCE

- 2019 **Agent-Based Modeling for Archaeology**, School of Human Evolution and Social
Change, ASU (USA)

PRESENTATIONS

Invited

- 2021 **Gravel-Miguel, C.**, The impact of Magdalenian hunter-gatherers on their environment, European Archaeological Association meeting, Online (paper)
- 2020 **Gravel-Miguel, C.**, *Combining agent-based least-cost path, environment reconstruction, and network analysis to document Paleolithic social behavior*, Social Networks and Cultural Evolution in Prehistoric Hunter-Gatherers Webinar, Online (paper)
- 2019 **Gravel-Miguel, C.**, J. Riel-Salvatore, J. Hodgins, C.M. Orr, D. Strait, C.E. Miller, M. Peresani, S. Benazzi, G. Pothier Bouchard, D. Meyer, D. Drohobytsky, F. Negrino. *An in-depth study of the Arma Veirana pierced shells and pendants used as grave goods*, 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM (paper)
- 2019 Hodgkins J., F. Negrino, C.M. Orr, J. Riel-Salvatore, C. Miller, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi, D. Drohobytsky, D. Meyer, J. Hirniak, G. Pothier Bouchard. *An Overview of the Mousterian and Final Epigravettian at Arma Veirana (Liguria, Northwestern Italy)*, 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM (paper)
- 2019 Miller C.E., J. Hodgkins, F. Negrino, J. Riel-Salvatore, C.M. Orr, **C. Gravel-Miguel**, D. Strait, M. Peresani, S. Benazzi. *A Geoarchaeological Study of Site Formation Processes at Arma Veirana, A Palaeolithic Cave in Liguria, Italy*, to be presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM (paper)
- 2019 Drohobytsky D., D. Meyer, J. Riel-Salvatore, J. Hodgkins, C.M. Orr, **C. Gravel-Miguel**, D. Strait, C.M. Miller, M. Peresani, S. Benazzi, G. Pothier Bouchard, F. Negrino. *Forensic Methods for the 3D Reconstruction of an Infant Burial in Arma Veirana Cave, Liguria, Italy*, to be presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM (paper)
- 2018 **Gravel-Miguel, C.** *Agent-based models for archaeologists*. Archaeology Brown Bag series, School of Human Evolution and Social Change, ASU, Arizona (paper)
- 2018 **Gravel-Miguel, C.** *Taught or copied? Using 2-mode network visualization to distinguish between the two*. 83rd Annual Meeting of the Society for American Archaeology, Washington, DC (paper)
- 2018 Wren, C., S. Bergin, J. Allison, **C. Gravel-Miguel**, J. Reeves, G. Snitker, N. Gauthier, S. Crabtree, and C.M. Barton. *The nuts and bolts of agent-based modelling for archaeological science*. 83rd Annual Meeting of the Society for American Archaeology, Washington, DC (discussion)
- 2017 **Gravel-Miguel, C.** Studying prehistoric mobility and social networks. CoMSES Net Virtual Conference (recorded video available at: <https://www.youtube.com/watch?v=8gQgDwfGD1Q&feature=youtu.be>)

- 2017 **Gravel-Miguel, C.** *Using ABM to evaluate the impact of topography and climate change on social networks.* 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia (paper)
- 2017 **Gravel-Miguel, C.** *Using an ABM to evaluate the impact of missing links on our interpretation of social networks.* Computer Applications in Archaeology Meeting, Atlanta, Georgia (paper)
- 2017 Riel-Salvatore, J., F. Negrino, M. Peresani, M. Parise, J. Hodgkins, S. Benazzi, C., Miller, C. Orr, D. Strait, D. Meyer and **C. Gravel-Miguel.** *Characterizing Ephemeral Paleolithic Occupations at Arma Veirana (Liguria, Italy).* 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC (paper)
- 2016 **Gravel-Miguel, C.** *Analyzing Magdalenian social networks in their environmental context.* 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida (paper)
- 2015 **Gravel-Miguel, C.** *Can't touch this. Using simple techniques to obtain detailed data on fragile portable art objects.* XIX International Rock Art Conference IFRAO, Caceres, Spain (paper)
- 2015 Riel-Salvatore, J. and **C. Gravel-Miguel.** *New Insights into Epigravettian Funerary Ritual at Caverna delle Arene Candide.* "Out of Italy - Advanced Studies in the Italian Palaeolithic" conference, MacDonald Institute for Archaeological Research, Cambridge University, United Kingdom (paper)
- 2015 **Gravel-Miguel, C.** *Studying Magdalenian Social Networks through Art.* Arizona State University Interdisciplinary Research Symposium, Tempe, Arizona (poster)
- 2012 Bergin, S., I. I. Ullah, C. M. Barton, and **C. Gravel-Miguel.** *Human-Environment Interactions in a Changing Environment: A Computational Model of Agropastoral Practices and Landscapes in Neolithic Spain.* 77th Annual Meeting of the Society for American Archaeology, Memphis, TN (paper)
- 2011 **Gravel-Miguel, C.** *Prehistoric friend request: a study of social networks.* Anthropology Colloquium Series, University of Victoria, Victoria, BC (paper)
- 2011 **Gravel-Miguel, C.** *Objets d'art portatifs et ornements découverts dans les grottes préhistoriques. Quel pouvait être leur rôle? Quelle était leur provenance? L'Alliance Française de Victoria, Victoria, BC (paper)*
- Volunteered**
- 2021 **Gravel-Miguel, C.,** R. Bischoff, C. Padilla-Iglesias. *An agent-based model to improve archaeological social network reconstructions.* European Archaeological Association meetings, Online (paper)

- 2021 R. Bischoff, C. Padilla-Iglesias, **C. Gravel-Miguel**. *Evaluating the effects of randomness on missing data in archaeological networks*. Computer Applications and Quantitative Methods in Archaeology meetings, Online (paper)
- 2021 Brun, C., J. Riel-Salvatore, **C. Gravel-Miguel**, F. Negrino, J. Hodgkins. *Experimental archaeology as a method to replicate the ornaments of Arma Veirana's burial: Overview of the ongoing experiments*. Society for American Archaeology meetings, Online (poster)
- 2021 Padilla-Iglesias, C., R. Bischoff, **C. Gravel-Miguel**. *An agent-abased model to better link archaeological assemblages with past social networks and cultural dynamics*. Society for American Archaeology meetings, Online (paper)
- 2021 Keller, H.M., F. Negrino, C. Gravel-Miguel, N.E. Cleghorn, J. Hodgkins. *A taphonomic comparison of two late Pleistocene zooarchaeological assemblages in northwest Italy and the Western Cape of South Africa*. Society for American Archaeology meetings, Online (poster)
- 2019 Murray, J.K., **C. Gravel-Miguel**, B. Schoville, E. Otárola-Castillo, J.A. Harris, C.D. Wren, B. Wood, and C.W. Marean. *An agent-based modeling approach to explain the rarity of projectile points in archaeological sites*. Paleoanthropology Society Meetings, Albuquerque, New Mexico (poster)
- 2019 Hodgkins J., **C. Gravel-Miguel**, J. Riel-Salvatore, C.M. Orr, D. Strait, M. Peresani, S. Benazzi, G. Pothier Bouchard, D. Meyer, D. Drohobytsky, C.E. Miller, F. Negrino. *A new Upper Paleolithic infant burial from Arma Veirana, Liguria, Italy*, Paleoanthropology Society Meetings, Albuquerque, NM (paper)
- 2019 Hsin-yee Huang, C., J.K. Murray, **C. Gravel-Miguel**, M. Gumaru, and A.M. Zipkin. *An experimental use-wear analysis of drilled gastropod operculum using 3D microscopy and its implications for Middle Stone Age symbolic behavior*. Paleoanthropology Society Meetings, Albuquerque, New Mexico (poster)
- 2018 Smith, E., R. Johnsen, J. Hirniak, S. Fitch, C. Orr, D. Strait, M. Ren, C.E. Miller, F. Negrino, J. Riel-Salvatore, M. Peresani, S. Benazzi, **C. Gravel-Miguel**, C.W. Marean, J. Hodgkins. *Rhyolite Cryptotephra identified in Mousterian deposits at Arma Veirana, Italy*. Paleoanthropology Society Meetings, Austin, Texas (paper)
- 2017 Riel-Salvatore, J., F. Negrino, S. Benazzi, J. Hodgins, C. Miller, C. Orr, M. Peresani, D. Strait, D. Meyer, **C. Gravel-Miguel**, and G. Pothier Bouchard. *Programme intègre de recherches sur le Paléolithique en Ligurie*. 36e Colloque annuel de l'Association des Archéologues du Québec, Montréal, Quebec (paper)
- 2017 Hodgkins, J., C. Orr, D. Strait, C. Miller, F. Negrino, J. Riel-Salvatore, M. Peresani, S. Benazzi, G. Pothier Bouchard, **C. Gravel-Miguel**, D. Meyer. *Arma*

- Veirana: a new site in Liguria (northwestern Italy) preserving the Middle-to-Upper Paleolithic transition. Paleoanthropology Society Meetings, Vancouver, BC (paper)*
- 2016 Riel-Salvatore, J., F. Negrino, **C. Gravel-Miguel**, A. Laliberté, G. Pothier Bouchard. *New Excavations in the Proto-Aurignacian Deposits at Riparo Bombrini, Italy: Results of the 2015 Field Season. Paleoanthropology Society Meetings, Atlanta, Georgia (paper)*
- 2016 Negrino, F., S. Benazzi, J. Hodgkins, B. Holt, C. Miller, C. Orr, M. Peresani, J. Riel-Salvatore, D. Strait, **C. Gravel-Miguel**, H. De Santis, E. Leger, S. Martini, E. Perroni, A. Laliberté, G. Pothier Bouchard, E. Starnini, A. Zerboni, *On-going research and first data from Middle and Upper Paleolithic sites of Liguria region. Incontro Annuale di Preistoria e Protostoria (IIPP), Genoa, Italy (paper)*
- 2015 **Gravel-Miguel, C.** *Using computer models and art stylistic similarities to evaluate the impacts of geography and social processes on Magdalenian social networks. 80th Annual Meeting of the Society for American Archaeology, San Francisco, California (paper)*
- 2014 **Gravel-Miguel, C.** and J. Riel-Salvatore. *The pebbles of the Caverna delle Arene Candide. 79th Annual Meeting of the Society for American Archaeology, Austin, Texas (poster)*
- 2013 **Gravel-Miguel, C.** *Mine, my own, my precious. A study of pierced Red deer teeth in the Magdalenian. 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii (poster)*
- 2013 **Gravel-Miguel, C.** *Magdalenian mobility and trade through the study of shells. Paleoanthropology Society Meetings, Honolulu, Hawaii (poster)*
- 2012 **Gravel-Miguel, C.** *Castanet/Blanchard 2012 (France). Archaeology Brown Bag series, School of Human Evolution and Social Change, ASU, Arizona (paper)*
- 2011 **Gravel-Miguel, C.** *Exoticism of art and ornaments: using materiality to study social networks in Europe in the Upper Paleolithic. Entanglement in Archaeology, Stanford Archaeology Center, Palo Alto, California (paper)*
- 2011 **Gravel-Miguel, C.** *Exoticism of art and ornaments: a study of social networks in the Upper Paleolithic. Paleoanthropology Society Meetings, Minneapolis, Minnesota (poster)*
- 2010 **Gravel-Miguel, C.** and J. Riel-Salvatore. *A quantitative analysis of beads in Gravettian burials. Paleoanthropology Society Meetings, St-Louis, Missouri (poster)*

2009 **Gravel-Miguel, C.** *Three does not make a necklace.* Anthrograd Conference, McGill University, Montreal, Qc (paper)

STUDENT THESIS AND DISSERTATION ADVISING

2019-2021 Co-Chair of M.A. thesis committee. Catherine Brun, Université de Montréal, Canada.

FIELDWORK AND RESEARCH EXPERIENCE

- 2019 **Technology specialist**, Riparo Bombrini (Italy)
(1 week) Instructor on how to use the data collection system. Directors: J. Riel-Salvatore and F. Negrino
- 2019 **Data collection**, DANTE - Diet and ANcient TEchnology Laboratory, Rome (Italy)
(1 week) Microscopic analysis of perforated shells. Supervisor: E. Cristiani
- 2017-2018 **Excavation co-supervisor**, Arma Veirana (Italy)
(9 weeks) Excavation co-supervisor and site technician. Directors: J. Hodgkins, C. Orr, J. Riel-Salvatore, F. Negrino, C. Miller, D. Strait, M. Peresani, and S. Benazzi
- 2015-2016 **Field assistant**, Arma Veirana (Italy)
(6 weeks) Assistant to the field directors and spatial data technician. Directors: J. Hodgkins, C. Orr, J. Riel-Salvatore, F. Negrino, C. Miller, D. Strait, M. Peresani, and S. Benazzi
- 2015 **Field assistant**, Balzi Rossi (Italy)
(3 weeks) Field crew supervisor. Directors: J. Riel-Salvatore and F. Negrino.
- 2015 **Visiting member of archaeological field crew**, Peyre Blanque (France)
(1 week) Directors: S. Lacombe, K. Sterling, and M. Conkey
- 2014 **Data collection**, Santander, Oviedo and Madrid (Spain)
(4 weeks) Macroscopic analysis of Magdalenian portable art objects curated in museums.
- 2014 **Field assistant**, Genoa (Italy) and Finale Ligure (Italy)
(2 weeks) Lithic and bone artifacts analysis. Employer: J. Riel-Salvatore
- 2013 **Site technician and member of archaeological field crew**, Pinnacle Point, Mossel Bay (South Africa)
(7 weeks) Director: C.W. Marean
- 2012 **Member of archaeological field crew**, Abri Castanet, Sergeac (France)
(6 weeks) Director: R. White

- 2011 **Field crew supervisor**, Grotta delle Arene Candide, Finale Ligure (Italy)
(3 weeks) Director: J. Riel-Salvatore
- 2011 **Field Assistant**, Genoa (Italy)
(2 weeks) Lithic analysis. Employer: J. Riel-Salvatore
- 2009-2010 **Member of archaeological field crew**, Grotta delle Arene Candide, Finale Ligure
(Italy)
(10 weeks) Director: J. Riel-Salvatore
- 2008 **Student on archaeological field school**, Park Safari, Montreal (Canada)
(13 days) Director: A. Costopoulos

ACADEMIC AND COMMUNITY SERVICE

- 2018-present **Mentor** of undergraduate and graduate students, Arizona State University
- 2017 **Guest lecturer** for the OSHER Lifelong Learning Institute
- 2017 **Reviewer** for the *Journal of Anthropological Archaeology*, Elsevier
- 2017 **Grant reviewer** for the Leakey Foundation
- 2017 **Guest speaker** for the ARCH365 Podcast
- 2015-2017 **Reviewer** for *Quaternary International*, Elsevier
- 2016 **Mentor** of an undergraduate student from the Apprenticeship Program, Arizona State University
- 2016 **Volunteer judge** at the Intel International Science and Engineering Fair, Phoenix
- 2015-2016 **Grant reviewer** for the Graduate and Professional Student Association, Arizona State University
- 2015 **Co-chair** of the *Magdalenian social geographies in Western Europe* symposium, Society for American Archaeology Meetings, San Francisco, California
- 2015 **Volunteer** at the Society for American Archaeology Society Meetings, San Francisco, California
- 2012-2013 **Archaeology Graduate Representative**, Arizona State University
- 2009-2011 **Department of Anthropology Graduate Representative**, University of Victoria

- 2010 **Editor-in-Chief** of *PlatForum: Journal of Graduate Students in Anthropology*, University of Victoria
- 2008-2009 **Coordinator** McGill Chapter, *Festival International du Film Ethnographique du Québec (FIFEQ)*, McGill University
- 2008-2009 **Vice-President Events**, Anthropology Student Association, McGill University
- 2008-2009 **Co-President**, Flintknapper's Club, McGill University
- 2007-2008 **Volunteer tutor for primary school students**, Tyndale St-Georges
- 2007-2008 **Volunteer**, Santropol Roulant

PROFESSIONAL MEMBERSHIPS

Society for American Archaeology
Paleoanthropology Society
Computational Applications and Quantitative Methods in Archaeology Organization

SKILLS

Fluent in English and French
Proficiency at conversational Italian and Spanish
Expertise working with ArcGIS, GRASS, QGIS, R, MaxEnt, NetLogo, FileMaker Pro, Word, Excel, Powerpoint, and Access.