

# MILENA CARVALHO

## CURRICULUM VITAE

### Ph.D. Candidate

Department of Anthropology  
University of New Mexico  
Albuquerque, NM 87131  
mcarvalho@unm.edu

### Graduate Student

Interdisciplinary Center for Archaeology and  
Evolution of Human Behavior (ICArEHB)  
FCHS - University of Algarve  
8005 - 139 Faro, Portugal

**Degrees:** 12/2014 - B.A. Anthropology, University of Louisville  
05/2017 - M.S. Anthropology, University of New Mexico

### Research and geographic focus:

Prehistoric Europe, Paleolithic, Stone Age, Neanderthals, Modern Humans, subsistence and diet choice, zooarchaeology, stable isotopes analysis, taphonomy, cave archaeology, paleoecology and paleoenvironmental reconstruction; Western Europe, Iberia, Mozambique and Sudan.

### Current Collaborations in Research Projects:

Since 2021

Faunal and stable isotope analyst for *Collaborative Research: Human Response to Climate and Environmental Change during the Late Pleistocene in Westernmost Eurasia*. PIs: Jonathan Haws and Michael Benedetti.

Since 2020

Stable isotope analyst for *DIASPORA - Early Human migrations and the Nile Valley: the Kerma region during the MSA*. PI: Nuno Bicho. Funded by Fundação de Ciencia e Tecnologia (Portugal).

Amazon Liaison for *The Earth Archive Project*. Directed by Christopher Fisher and Stephen Leisz.

Since 2017

Faunal and stable isotope analyst for *Neandertais e Humanos Modernos na Gruta do Escoural (Neanderthals and Early Modern Humans at Escoural Cave [Southern Portugal])*. PI: João Cascalheira. Funded by The Wenner-Gren Foundation.

Faunal analyst for *A transição Paleolítico Médio-Superior no Barlavento algarvio (TaPaMe; The Middle to Upper Paleolithic transition in windward Algarve in Portugal)*. PI: Nuno Bicho.

Faunal analyst for *O Quaternário na Bacia de Drenagem do Rio Real (QuaterReal; The Quaternary in the Real River Basin in Portuguese)*. PI: Cláudia Manso & Marina Évora.

Faunal analyst for *Collaborative Research: Inquiry into the Origins of Modern Human Distributions*. PIs: Jonathan Haws and Michael Benedetti. Funded by the National Science Foundation.

Since 2016

*Stone Age Mozambique*. An ongoing ICArEHB project. Funded by The Wenner-Gren Foundation (PI: Nuno Bicho) and Fundação de Ciencia e Tecnologia (Portugal)(PI: Jonathan Haws).

**Scholarships, Fellowships and Grants:**

- 2019-2021 Ph.D. Fellowship - Latin American and Iberian Institute, University of New Mexico - stipend \$12,550
- 2019 Moore Research Grant - Dept. of Anthropology, University of New Mexico, Moore Research Grant - \$1,000
- 2016-2019 Graduate Research Fellowship - National Science Foundation – stipend \$96,000; research \$36,000
- 2016 Professional Development Grant - El Centro de la Raza, University of New Mexico - \$300
- 2016 Historically Underrepresented Groups Scholarship - Society for American Archaeology - \$3,000
- 2016 Archaeology of Portugal Fellowship - Archaeological Institute of America - \$1,000
- 2015-16/2019-20 Binford Fellow Assistantship, Dept. of Anthropology, University of New Mexico - \$28,400
- 2015 Arts and Sciences Recruitment Scholarship, University of New Mexico - \$5000
- 2015 Higher Education Scholarship, University of New Mexico, \$7,200
- 2014 Undergraduate Research Grant, University of Louisville - \$3,000
- 2013 Frederic Hicks International Travel Award, Dept. of Anthropology, University of Louisville- \$1,000
- 2011-2014 Betty and David Jones Scholars Program Scholarship - University of Louisville,
- 2011-2014 Trustees Academic Scholarship - University of Louisville
- 2010-2014 Kentucky Educational Excellence Scholarship

**Awards:**

- 2014 Award of Merit - Dept. of Anthropology, University of Louisville

**Publications:**

In review

**Carvalho, M.**, Jones, E.M., Ellis, G.M., Cascalheira, J., Bicho, N., Meiggs, D., Benedetti, M., Friedl, L., Haws, J. Neanderthal Paleoecology in the late Middle Paleolithic of western Iberia: A stable isotope analysis of ungulate teeth from Lapa do Picareiro (Portugal).

In press

**Carvalho, M.**, Jones, E.L., Marín-Arroyo, A. B., Geiling, J.M., Straus, L.G., and González Morales, M.R. Initial and Lower Magdalenian large mammal faunas and human subsistence at El Mirón Cave (Cantabria, Spain). *Journal of Paleolithic Archaeology*.

Jones, E.L., and **Carvalho, M.M.** Ecospaces of the Iberian Peninsula at the Middle-Upper Paleolithic transition: a view from the archaeofaunal record. In *New Trends in Iberian Zooarchaeology*, M.J. Valente, C. Costa and C. Detry, editors. Oxford: Archaeopress.

Haws, J., Benedetti, M., **Carvalho, M.**, Ellis, G., Pereira, T., Cascalheira, J., Bicho, N. and Friedl, L., 2018 Human adaptive responses to climate and environmental change during the Gravettian of Lapa do Picareiro (Portugal). *Quaternary International*. <https://doi.org/10.1016/j.quaint.2020.08.009>.

2020

Haws, J.A., Benedetti, M.M., Talamo, S., Bicho, N., Cascalheira, J., Ellis, M.G., **Carvalho, M.M.**, Friedl, L., Pereira, T. and Zinsious, B.K., 2020. The early Aurignacian dispersal of modern humans into westernmost Eurasia. *Proceedings of the National Academy of Sciences USA*. 202016062. <https://doi.org/10.1073/pnas.2016062117>

2019

Haws, J.A., Benedetti, M.M., Cascalheira, J.M., Bicho, N.F., **Carvalho, M.M.**, Zinsious, B.K., Ellis, M.G., Friedl, L. Human occupation of Lapa do Picareiro (Portugal) during the Late Pleniglacial. In Schmidt, I. and Cascalheira, J. (eds.): *Human adaptations to the Last Glacial Maximum: the Solutrean and its neighbors*. Cambridge Scholars Publishing.

2018

**Carvalho, M.**, Pereira, T., and Manso, C., Assessing Rabbit Exploitation in the Middle Paleolithic of Gruta Nova da Columbeira, Estremadura, Portugal. *Journal of Archaeological Science: Reports*, 2018, vol. 21, p. 821-832.

### **Edited Volumes**

In press/In review

Eds. **Carvalho, M.**, and Bicho, N., *Peninsular southern Europe refugia during the Middle Paleolithic*, Special Issue of *Journal of Quaternary Science*.

### **Presentations in Professional Meetings:**

#### **Oral Presentations:**

2019

**Carvalho, M.**, Jones, E. L., Meiggs, D., Benedetti, M., and Haws, J., A Stable Isotope Analysis of Ungulate Remains from Lapa do Picareiro: An Assessment of Refugia Concepts During the Middle Paleolithic and Transition to Upper Paleolithic. Paper presented at the “Peninsular Southern Europe Refugia during the Middle Paleolithic” symposium, co-chairs: Carvalho, M., and Bicho, N., at the 84<sup>th</sup> Society for American Archaeology Meeting, April 10-14, Albuquerque, NM.

2018

**Carvalho, M.**, Jones, E.L., Meiggs, D., Benedetti, M., Haws, J., Rabbits as paleoenvironmental proxies: A stable isotopes analysis of rabbit (*Oryctolagus cuniculus*) tissues from Lapa do Picareiro (Portugal). Paper presented at the European Association of Archaeologists meeting, Sept. 5-8, Barcelona, Spain.

**Carvalho, M.**, Jones, E.L., Rabbits in Iberia: A paleobiogeographic approach to Neanderthal leporid consumption. Paper presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

Pereira, T., **Carvalho, M.**, Manso, C., Inferring Neanderthal behavior and economical patterns in Gruta Nova da Columbeira. Paper presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

Haws, J., Benedetti, M., **Carvalho, M.**, Bicho, N., Cascalheira, J., Friedl, L., Understanding human adaptive responses to abrupt climate change in Western Iberia during MIS 3 and 2 using multi-scale archaeological, paleoenvironmental and paleoclimate records. Paper presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

Haws, J., Benedetti, M., **Carvalho, M.**, Benedetti, I., Zinsious, B., M., Bicho, N., Cascalheira, J., Friedl, L., Seeing short-term human occupations in the palimpsests of deeply stratified caves: An example from Lapa do Picareiro (Portugal). Paper presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

2017

**Carvalho, M.**, Assessing Rabbit Exploitation in the Middle Paleolithic of Gruta Nova da Columbeira, Estremadura, Portugal. Paper presented at the “Upper Paleolithic Transitional ‘Moments’ on the Iberian Peninsula” symposium, co-chairs: Fontes, L., and Jones, E.L., at the 82<sup>nd</sup> Society for American Archaeology Meeting, March 29-April 2, Vancouver, Canada.

**Carvalho, M.**, Gruta Nova da Columbeira: An Assessment of Rabbit Exploitation during the Middle Paleolithic in Portugal. Paper presented at the Iberian Zooarchaeology Meeting, April 26-29, Faro, Portugal.

2016

Haws, J. And **Carvalho, M.**, Taphonomy and site formation processes in the Late Pleistocene deposits of Lapa do Picareiro (Estremadura, Portugal). Paper presented at the IVth ICAZ Taphonomy Working Group Meeting, Sept 7-10, Paris, France.

**Poster presentations:**

2019

**Carvalho, M.**, Meiggs, D., Jones, E.L., Benedetti, M., and Haws, J., An assessment of refugia concepts during the MIS 3 in Iberia: the case from Lapa do Picareiro (Portugal). Poster presented at the European Society for the study of Human Evolution, Sept. 18-21, Liège, Belgium.

**Carvalho, M.**, Meiggs, D., Jones, E.L., Benedetti, M., and Haws, J., A stable isotopes analysis of ungulate remains from Lapa do Picareiro: An assessment of refugia concepts during the Middle Paleolithic and transition to Upper Paleolithic. Poster presented at the Paleoanthropology Society Meeting, April 9-10, Albuquerque, New Mexico.

2018

**Carvalho, M.**, Meiggs, D., Haws, J., A Paleoenvironmental Reconstruction Using Stable Isotopes of Red Deer (*Cervus elaphus*) Enamel at Lapa do Picareiro (Portugal). Poster presented at the Paleoanthropology Society Meeting, April 10-11, Austin, Texas.

Benedetti, M., Haws, J., Bicho, N., Friedl, L., Zinsious, B., **Carvalho, M.**, Benedetti, I., Geoarchaeology and Late Pleistocene Paleoclimate at Lapa do Picareiro, Portugal. Poster presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

Haws, J., Bicho, N., Cascalheira, J., Gonçalves, C., Raja, M., Benedetti, M., Gomes, A., **Carvalho, M.**, Benedetti, I., Zinsious, B., Skosey-LaLonde, E., Later Stone Age archaeology in the Limpopo river basin: new evidence from the site of Txina Txina (Massingir, southern Mozambique). Poster presented at the International Union of the Prehistoric and Protohistoric Sciences, June 4-9, Paris, France.

**Carvalho, M.**, Jones, E.L., Meiggs, D., Benedetti, M., Haws, J., Assessing environmental change at Lapa do Picareiro (Portugal): A stable isotopes analysis using rabbits (*Oryctolagus cuniculus*) and red deer (*Cervus elaphus*) as paleoenvironmental proxies. Poster presented at the European Society for the study of Human Evolution Meeting, Sept. 13-15, Faro, Portugal.

Haws, J., Benedetti, M., Friedl, L., Bicho, N., Cascalheira, J., **Carvalho, M.** The Middle-Upper Paleolithic Transition in Southern Iberia: New Data from Lapa do Picareiro, Portugal. Poster presented at the European Society for the study of Human Evolution Meeting, Sept. 13-15, Faro, Portugal.

2017

**Carvalho, M.**, Meiggs, D., Haws, J., Lapa do Picareiro: A Paleoenvironmental Reconstruction Using Stable Isotopes of Red Deer (*Cervus elaphus*) Enamel. Poster Session, European Society for the Study of Human Evolution Meeting, September 21-23, Leiden, Netherlands.

Jones, E.L., **Carvalho, M.**, Ecospaces of the Iberian Peninsula at the Middle-Upper Paleolithic transition: a view from the archaeofaunal record. Poster presented at the Iberian Zooarchaeology Meeting, April 26-29, Faro, Portugal.

Bicho, N., Cascalheira, J., Haws, J., Gonçalves, C., Raja, M., André, L., Benedetti, M., Gomes, A., **Carvalho, M.**, Zinsious, B., Txina Txina: a Later Stone Age site from the Limpopo basin in southern Mozambique. Poster presented at Annual Meeting of Paleoanthropology Society, March 28-29, Vancouver, Canada.

2016

Haws, J., Bicho, N., Gonçalves, C., Cascalheira, J., Benedetti, M., Pereira, T., Marreiros, J., Zinsious, B., **Carvalho, M.**, and Raja M., Stone Age archaeology and Quaternary landscapes in Southern Mozambique. Poster session, Geological Society of American Meeting, Sept 25-28, Denver, Colorado.

2015

**Carvalho, M.**, and Haws, J., A Taphonomic Study of Gruta Nova da Columbeira, Poster Session, 80<sup>th</sup> Society for American Archaeology Meeting, April 15-18 San Francisco, California.

2014

**Carvalho, M.**, and Haws, J., A Comparative Taphonomic Study of Lapa do Picareiro and Gruta das Pulgas, Poster Session, 79<sup>th</sup> Society for American Archaeology Meeting, April 23-27, Austin, Texas.

#### **Relevant Work Experience:**

2019-2021 Graduate Assistant, Department of Anthropology, University of New Mexico  
2019-2020 Assistant to the Society for American Archaeology 2020 Meeting Program Committee Chair  
2015-2016 Graduate Assistant, Department of Anthropology, University of New Mexico  
2014-2015 Field Technician, Cord Island Archaeology LLC, Louisville, Kentucky

#### **Current professional memberships:**

Society for American Archaeology  
Paleoanthropology Society  
European Society for the Study of Human Evolution

#### **Professional Service:**

Student representative for Professor Heather Edgar's promotion review  
Staff at ESHE Meeting, 2018, Faro, Portugal  
SAA 2018 Annual Meeting Program Committee  
Staff at Solutrean Conference 2017, Faro, Portugal

#### **Languages:**

Fluent: English, Portuguese  
Proficient: Spanish, French