

## Fully-funded Doctoral Scholarship on Iberian Early Bronze Metallurgy

Location: University of Granada, Spain  
Funding amount: Gross salary: 16.250€ during the first and second years, 17.410€ during the third year and 21.760€ for the last year.  
Hours: Full Time  
Placed On: 13th October 2020, 14 hours  
Expires: **27th October 2020, 14 hours**

The [University of Granada \(UGR\)](http://www.ugr.es) is pleased to announce the availability of a fully funded doctoral studentship funded by the Spanish Ministry of Science and Innovation under the Training for Researchers Programme (Formación del Personal Investigador, FPI) in the framework of the project: ***Metal and Amber II: Bronze and amber circulation in Bronze Age Southern Iberia***, which will provide an excellent opportunity to combine research and training.

The project is led by Mercedes Murillo-Barroso (UGR) and the PhD will be jointly supervised by her and Ignacio Montero Ruiz at the Spanish National Research Council. The project counts with the collaboration of colleagues from world-leading institutions such as the University of Cambridge, the British Museum, the Spanish National Museum or UCL Institute of Archaeology providing additional input. The student will be expected to spend time at both the University of Granada and the Spanish National Research, and be an active member of both academic and research communities, as well as conducting fully funded yearly research stays at foreign institutions (up to 5 months/year).

### Project Overview

#### **Metal and Amber II: Bronze and amber circulation in Bronze Age Southern Iberia**

The project will study the circulation models of two scarce and highly valued resources in the Iberian Recent Prehistory: amber and bronze. The PhD will be focused on bronze metallurgy addressing three general objectives with special focus on the Argaric Culture:

- 1) Getting a better chronological resolution of the appearance of the first bronzes.
- 2) Sourcing bronze and its different supply circuits, and
- 3) Assessing the exchange mechanisms as well as their valuation and social use.

In order to address them, a series of specific objectives have been established: such as establishing whether bronze objects were imported or locally manufactured (options that are not mutually exclusive, so the weight of one and the other will be measured); establishing the provenance of bronze objects and their similarity or discrepancy with bronze objects of other Iberian regions (with special attention to the Iberian NE) to be able to depict exchange networks or areas of influence in the supply of bronzes or tin; contrasting the exploitation of local resources and the possible existence of regional and supra-regional exchange networks operating simultaneously; as well as the dissemination and enhancement of the metallurgical record of the Siret Collections hosted at the National Archaeological Museum and the British Museum.

Each of these objectives requires a specific methodology that involves the use of a wide variety of analytical techniques from other disciplines such as geology or chemistry, which makes this project inherently interdisciplinary.

The collaboration between geologists, archaeologists, chemists and two of the main entities dissemination of archaeology such as the National Archaeological Museum and the British Museum will implicitly and explicitly involve a transfer of knowledge from some areas of study to others and a dissemination of the results to the general public through the Museums.

The research will employ a range of complementary scientific and archaeological methods to answer the above questions. It will focus on the Argaric Culture as the core study area, capitalising on the assemblages from the BM and the MAN as well as from recent excavations. It is expected that analytical work will engage optical and digital microscopy, metallography, SEM-EDS and XRF, but other options may be possible.

The successful candidate will have access to the laboratory facilities at the University of Granada and the Spanish National Research Council.

### **Eligibility**

- For Eligibility criteria and questions see: [The call](#)
- Experience in the scientific analysis of archaeological or heritage materials, and/or familiarity with the region and periods covered by the project, will be advantageous.
- Applicants should be able to demonstrate an interest, potential and enthusiasm for developing skills more widely in archaeological science.

### **How to apply**

Interested candidates should apply for PhD admission at the University of Granada and be admitted by the date of PhD starting.

Applications must be submitted online: [HERE](#)

Guide for the applicant: [HERE](#)

For enquiries about the project please contact Mercedes Murillo-Barroso (murillobarroso@ugr.es). For enquiries about the application process, please contact with Juan Antonio Ruiz Rabaneda (958 244194, [juanantonioruiz@ugr.es](mailto:juanantonioruiz@ugr.es)) or Rebeca Jiménez Sánchez (953244284, [predoctoral@ugr.es](mailto:predoctoral@ugr.es))