

## The Institute of Evolutionary Biology seeks a: Lab Technician

The Institute of Evolutionary Biology (IBE) is a joint Institute of the Spanish National Research Council (CSIC) and the Pompeu Fabra University (UPF) located in Barcelona city. IBE research is focused on the processes and mechanisms that generate biodiversity and on understanding the genetic basis of evolution. The IBE is a center member of Barcelona Biomedical Research Park (PRBB).

### Description Group/Unit

#### About Archaeogenomics Lab:

The Archaeogenomics group use advanced molecular techniques applied directly to ancient samples of archaeological origin. In particular, the group generate complete genomes from ancient individuals using next-generation sequencing technologies, paired with advanced bioinformatics processing pipelines to investigate aspects of genetic relationships and geographical origins at different scales. At a macroscale level, the group focus on reconstructing the European genetic population history at different chronologies to determine if potential genetic changes are correlated with past events inferred by archaeological or historical records, and how the interaction among populations occurred. At a more detailed scale, the group focus on using genomics and a series of molecular methods at intra-site level to shed light on aspects related to the social organization.

### Project description

The Iberian Peninsula has been the source of multiple archaeo-genomic studies yielding extraordinary results that significantly enhanced the understanding of Prehistory. However, the Antique and Medieval periods obtained less attention in this field, and most attempts to address their study have been done by using genome-wide data from modern Iberian populations.

This project aims to use Archaeo-genomics as its main technique, in combination with Archaeology and History, to illuminate the Late Antique and Medieval society. To address this, we aim to generate human genomes from various archaeological and chronological contexts.

#### Duties:

We are seeking a motivated, curious, organized lab technician to carry out the key laboratory procedures of this project. The candidate's responsibilities will include:

- Sample management and database logistics.
- Sampling of archaeological specimens.
- DNA extraction and preparation of genomic libraries in clean lab facilities.
- Preparation of library pools for sequencing.
- Lab management and maintenance tasks on a daily basis.

### Candidate requisites

- Proven experience in general molecular biology techniques (DNA/ RNA extraction and QC, PCR, qPCR, DNA ligation)
- Previous experience in preparation of libraries for Next Generation Sequencing
- Capacity to work independently and as part of a team
- Good communication skills in English

### We will valorate...

- A master's degree in biotechnology or molecular biology will be valued.
- Knowledge in bioinformatics or genomic data analysis will be valued.
- Interest in anthropology and/or archaeology.

### What do we offer?

- 66%-time contract for 2 years
- Immediate incorporation
- Salary ~17,600 – 21,200 depending on education level.
- Location in Barcelona (Passeig Marítim de la Barceloneta, 37 – 49)

### Application process

The candidates' CVs should be sent to [vanessa.villalba@ibe.upf-csic.es](mailto:vanessa.villalba@ibe.upf-csic.es)