



## Annex II

### Cognitive Archaeology Researcher

**REF: 11/2024**

CALL SUMMARY	SCORE	CUTOFF
<b>I.- COMPETITIVE MERITS PHASE</b>	<b>40 points</b>	
<b>I.1 Academic merits</b>	<b>Max. 2 points</b>	
<b>I.2 Specialist scientific experience</b>	<b>Max. 6 points</b>	
<b>I.3 Scientific merits and research record related to Cognitive Archaeology:</b>	<b>Maximum 29 points:</b>	
a. Scientific contributions related to the position	<i>Max. 15 points</i>	<b>25 points</b>
b. Direction and/or participation in research projects	<i>Max. 10 points</i>	
c. Direction and/or participation in Paleolithic excavations	<i>Max. 2 points</i>	
d. Other scientific merits	<i>Max. 2 points</i>	
<b>I.4 Mobility and international experience</b>	<b>Maximum 3 points</b>	
<b>II.- EXAMINATION PHASE</b>		
Oral presentation	<b>60 points</b>	<b>30 points</b>
<b>TOTAL SCORE</b>	<b>100 points</b>	<b>55 points</b>

CIF: S0900008D

#### A. SELECTION PROCESS DEADLINES

##### A.1 Application deadline

Applications may be submitted at any time from publication of notice of the call on the CENIEH website until 15<sup>th</sup> October at 2pm.

##### A.2 Process phase durations

- The first phase of the selection process, which is compilation of the Final List of Admitted and Excluded Candidates and evaluation of compliance with the minimum requirements, shall last at most 1 month.
- The second and third phases, which are the competitive merits and examination phases, shall last for at most 1 month each.

#### B. SELECTION COMMITTEE

Ordinary and alternate members for this selection process have been appointed by Management and are listed in Annex I. The president shall hold a casting vote.

## C. POSITION, DUTIES AND COMPETENCES

### C.1 Characteristics of the Position

The contract shall be for an indefinite term, with a trial period of six months. The position falls within the Scientific Area. The remuneration of the position will depend upon the merits (experience and CV) of the selected candidate, in accordance with the salary tables in force in the First Collective Agreement of the Consorcio CENIEH published in the Boletín de la Provincia de Burgos, no. 8, on January 12th, 2012.

### C.2 Duties of the Position

Within the Scientific Area, and reporting to the Coordinator of the Archaeology Program, **the Cognitive Archaeology Researcher** will undertake the following general tasks, among others:

- Develop research on the cognitive capabilities and behavioral patterns of early hominids and anatomically modern humans during the Paleolithic era. The researcher will explore the evolution of cognition through the analysis of stone tools, symbolic artifacts, and other archaeological evidence from the Pleistocene epoch.

To this end, he/she shall bear the following responsibilities:

- Develop his/her own line of research on the origin and evolution of lithic technology during the Pleistocene and on early hominid behavior in general including fieldwork and laboratory work. This research should include the description and analysis of archaeological findings, including lithic technologies and other cultural artifacts, to infer cognitive processes such as problem-solving, planning, and symbolic thinking. Researcher should incorporate innovative methodologies using experimental archaeology to test hypotheses about paleolithic cognition as well as interdisciplinary approaches that combine archaeological data with insights from cognitive science, anthropology and evolutionary psychology.
- Direct and/or participate in Paleolithic archaeological excavations as well as competitive research projects in his/her field of expertise. Attract external resources to support its own line of research.
- Publish the results of his/her research in high-quality peer-reviewed publications.
- Participate in the training or supervision of students (PhD, Master...) and teaching activities.
- Communicate his/her research to the scientific community (conferences, workshops...) and general public through outreach activities.
- Contribute to the international visibility of the Center through collaboration with prestigious institutions or research teams, participation in international networks etc.
- Supervise and direct the research activities of the Prehistoric Lithic Technology Laboratory and of the Experimental and Taphonomy Laboratory in relation with the LITHO (lithotheque) and CET (traceology) collections or Cognitive Archaeology.
- In coordination with the Laboratory technician:
  - Collaborate in providing services to users of the CENIEH-ICTS and technical advice about the use and applications of the available and appropriate instrumental techniques, supporting the services. Advise, when requested, on the completion of reports, and co-sign them where applicable.
  - Comply with good laboratory safety and hygiene practices.



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- Collaborate on the efficacy and continuous improvement of the Laboratory through its Quality Management System.

### C.3. Competences of the Position

The fundamental competences of the position are:

- Innovation and adaptation
- Planning and organization
- Teamwork
- Proactivity
- Responsibility
- Productivity
- Flexibility
- Capacity for communication
- Linguistic competence in English, equivalent to level B2 of the Common European Framework of Reference for Languages

### D. REQUIREMENTS FOR PARTICIPATION AND THEIR ACCREDITATION

To participate in this call, it is indispensable to meet every one of the following requirements by the deadline for applications:

1. Doctorate in Archaeology, Cognitive Science, or other closely related field of study with a focus on the Paleolithic period.
2. Minimum experience of 4 years of effective postdoctoral experience in a post the same as or similar to that indicated in section C.2, at public or private research, technology, university, R+D+I, or similar centers.

Those who are interested in applying to this position should send the following documentation or accreditation:

1. Curriculum vitae detailing the experience required.
2. Memorandum on the scientific interests and research activity to be developed at the CENIEH (max. 2 pages), including their compatibility with the support required for the Laboratory services.
3. Two letters of reference.
4. Employment history issued by the Tesorería de la Seguridad Social and/or equivalent document for professional experience abroad, issued by the host institution, such as hiring letters or similar documentation.
5. Copy of DNI or passport.
6. Doctoral degree certificate for consideration in the selection process.

### E. COMPETITIVE MERITS PHASE

The maximum score for this phase shall be 40 points.

#### 1. Academic merits (maximum score of 2 points)

Evaluation criterion:



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- 2 points for doctorate in Archaeology, Cognitive Science or other closely related field of study to the scope of the position
- 0.5 points for other doctorates related to the topic

## **2. Specialized experience (maximum 6 points)**

Evaluation criterion:

- Experience in the field of Paleolithic Archaeology (0.5 points per year up to a maximum of 3 points).
- Experience in designing and implementing experimental protocols and utilization of methodologies and concepts in the field of Cognitive Archaeology and Experimental Archaeology (0.5 points per year up to a maximum of 3 points).

## **3. Scientific merits and research record related to Cognitive Archaeology (maximum 29 points).**

### ***a. Scientific contributions relevant to the position (maximum 15 points):***

Evaluation criterion:

Publications will be appraised, only those published in indexed journals, with special emphasis on the scientific production over the last ten years, taking into account their quality, repercussion, and impact, and their relationship to studies of Paleolithic Archaeology in general and Cognitive Archaeology in particular, with higher scores being assigned to papers published in journals of recognized prestige included in the list by scientific areas in the *Subject Category Listing* of the *Journal Citation Reports*, of the *Science Citation Index (SCI)*.

### ***b. Direction and/or participation in research projects (maximum 10 points):***

Evaluation criterion:

The projects obtained in public and competitive funding calls will be assessed, including those from private institutions and foundations of a scientific nature, considering the number of projects, the scope of the call (international, national, regional or local), the amount of the fund and, above all, whether this was in a capacity of leadership/direction or participation.

### ***c. Direction and/or participation in Paleolithic excavations (maximum 2 points):***

The direction and/or participation in Paleolithic excavations will be assessed, taking into account the role the applicant plays in the excavation (director/leader, participant...), and its own attraction of funds for the excavation.

### ***d. Other scientific merits (maximum 2 points):***

The supervision of doctoral dissertations and other research work, the organization and participation in congresses, courses and seminars, activities related to scientific outreach, teaching experience, regularity in scientific production and the coherence of a line of research clearly defined and maintained over the person's career.

## **4. Mobility and international experience (maximum 3 points):**



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Evaluation criterion:

Stays at research centers and universities, etc., for periods of at least one month, other than that where the doctoral thesis was pursued, unless this was in a country different from the candidate's nationality, will be evaluated.

The final score of the competitive merits stage shall be the sum of the scores obtained under the different headings, considering that the minimum score necessary for this phase is 25 points.

**F. EXAMINATION PHASE**

The maximum score for this phase shall be 60 points. It shall be eliminatory.

This will take place in person, in English, and the maximum duration will be most 60 minutes.

The candidate shall give an oral presentation which will consist in two parts:

- 1) Oral presentation on the topic "Paleolithic lithic technology and the cognitive abilities of early humans", which shall be a presentation of the potential of cognitive archaeology to explore the cognitive demands of stone tool production during the Paleolithic, methodological approaches and his/her own contributions and interests for the development of the discipline and
- 2) Oral presentation about his/her memorandum of the scientific interest and research activity to be developed at the CENIEH.

Afterwards, the candidate will be asked a series of questions.

The points evaluated shall be technical knowledge of the subject, the coherence and uniqueness of its content, the capacity of the candidate to develop the methods and techniques to be used in the research, linguistic competence, and the fit of the presentation to the strategic and scientific mission and vision of the Center.

Candidates will be invited by email and/or regular mail assigning the date and time for this examination, which **is expected to take place during the week of 18<sup>th</sup> November, 2024**

A minimum score of 30 points is required to pass this phase.