



# HSAcademy

## 1st Training Camp

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July 11th - 15th, 2022

CENIEH, Burgos and  
Atapuerca UNESCO fossil sites (Spain)

Organized by National Research Centre  
on Human Evolution



**CENIEH**  
*Una ICTS de vanguardia*



# 1st HS Academy Training Camp

A hands-on experience to learn FIXLAB techniques applied to paleontological and paleoanthropological heritage

The National Centre on Human Evolution (CENIEH) is organizing the 1st IPERION HS Academy Training Camp, which is to be held at the CENIEH (Burgos, Spain) from 11th to 15th July 2022.

The **CENIEH** is a research centre open to scientific and technological use by the international scientific and technological community. Its research activities are primarily focused on human evolution during the Late Neogene and Quaternary and it is involved in collaborative projects at sites of these periods worldwide. Special attention is given to raising awareness and knowledge transfer in society. In addition, the CENIEH is responsible for the conservation, restoration, management and the recording of archaeological and paleontological collections, in particular from Atapuerca.

## For whom

The 1st Training Camp is open to a wide audience interested in learning **material characterization and dating techniques applied to paleontological and paleoanthropological heritage**. The places are limited to **25 attendees** who will be selected by the HS Academy Training Camp team from the candidate applications based on merits, background and other criteria.

## What it is

The 1st Training Camp is an excellent opportunity of a hands-on experience on the functioning, use and applications of the FIXLAB facilities offered by CENIEH within IPERION HS. The goal of FIXLAB platform is to provide access for the Heritage Science community to key fixed research facilities, as well as to the associated scientific experience of their staff that develop and maintain sophisticated state-of-the-art instrumentation for advanced diagnostics.

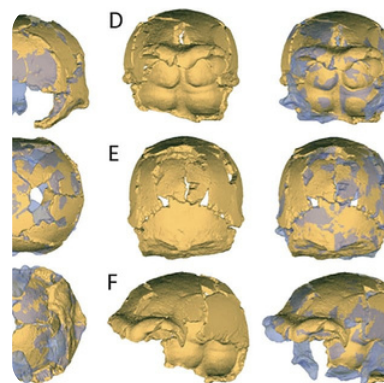
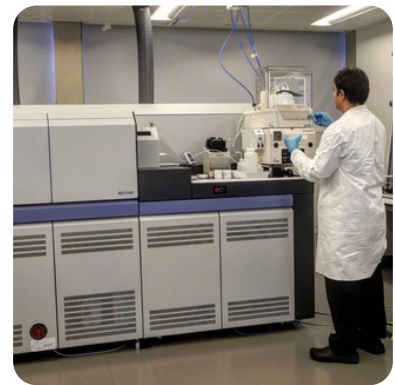
The FIXLAB services of CENIEH in IPERION HS are available at:  
<https://www.iperionhs.eu/provider/34/>  
<https://www.iperionhs.eu/provider/38/>



## Goals and structure

The 1st Training Camp will introduce the cutting-edge tools for **materials characterization and dating applied to Paleontological and Paleoanthropological heritage**. During the five intensive days of lectures and hands-on experience based on a problem-solving approach, trainees will learn how to use different methodologies to delve into the most relevant dating techniques (Electron Spin Resonance, Optically Stimulated Luminescence, Paleomagnetism, Uranium series) and materials characterization (nano and micro computed tomography).

The 1st Training Camp will last **5 days and will be structured in general lectures and hands-on training on specific case studies**, including fieldwork session and laboratory analysis. The case studies will be addressed in small groups of max. 5 participants with the application of different FIXLAB techniques. The training foresees direct interaction with the reference expert scientist for each technique, encouraging thorough discussions and constructive debate amongst the participants.



## Practical information

### Venue

The 1st IPERION HS Training Camp will be held at the Centro Nacional de Investigación sobre la Evolución Humana (CENIEH) and Atapuerca UNESCO fossil sites.



Paseo Sierra de Atapuerca, 3  
09002 Burgos, Spain

### Schedule

The Training Camp will start on Monday **July 11th** and will end on Friday **July 15th**.

A detailed programme will be made available in the second announcement latest by the **end of February 2022**.

### Fee

The HS-TC participation costs are fully covered by the IPERION HS project, but a **fee of 50 €** will be paid to cover course materials and transfer by bus to the Atapuerca sites.

Travel expenses, subsistence and hotel accommodation expenses are not included and will need to be met by the participants.

### Covid-19

The participants are required to verify and be compliant with the Spanish entry health requirements available at the following link:  
<https://www.spth.gob.es/>

For further information, please contact

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## Registration

The application deadline is **April 30th, 2022**.

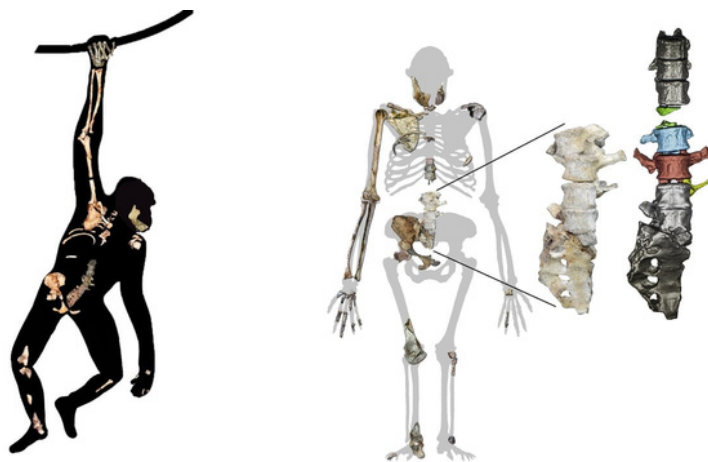
Selected candidates will be informed of their acceptance by **May 15th, 2022**.

To register, follow the link:

<https://www.eventbrite.it/e/1st-hs-academy-training-camp-tickets-259323642997>

## Certificate of attendance

A certificate of attendance will be provided to all the participants.



## Organizing committee

**Marina Martínez de Pinillos González** - Centro Nacional de Investigación sobre la Evolución Humana, Burgos (ES)

**Mark Sier** - Department of Earth Sciences, University of Oxford, Oxford (UK)

**Jana Striova** - IPERION HS Coordination Office

**Laura Benassi** - IPERION HS Communication Office

## Scientific committee

**Rocco Mazzeo** - University of Bologna (IT)

**Adam Gibson** - University College London (UK)

**Matija Strlič** - University of Ljubljana (SI)

**JoAnn Cassar** - University of Malta (MT)


**Elizabeth Muscat Azzopardi** - University of Malta (MT)

**Ralf Kilian** - Fraunhofer Institut für Bauphysik IBP (DE)

**Marina Martínez de Pinillos González** - Centro Nacional de Investigación sobre la Evolución Humana (ES)

**Gill Campbell** - Historic England (UK)

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## How to reach CENIEH



### By bus

The Bus Station is very located at Calle Miranda 4, about five minutes walk from CENIEH. There are different routes, Madrid-Burgos, Valladolid-Burgos and Bilbao-Burgos several times a day. For information on routes, fares and schedules, please call: +947 28 88 55 or visit: <https://www.alsa.es/estaciones/estacion-burgos>



### By train

Trains arrive from the main Spanish cities to Rosa de Lima station, located on the outskirts of Burgos. For information on fares and schedules, please refer to the RENFE website (<https://www.renfe.com/es/en>) or call: 91 919 05 04 (Online shopping help)



### By plane

The nearest airports are Madrid-Barajas Adolfo Suarez, Valladolid and Bilbao.



**HS Academy**

<http://www.iperionhs.eu/academy-events/>

