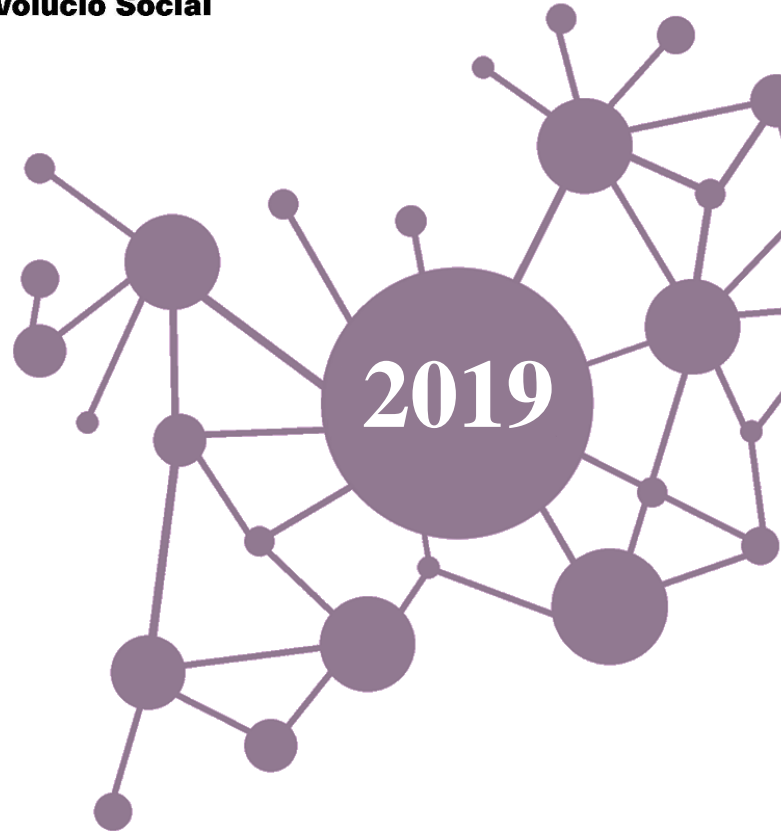




**IPHES<sup>R</sup>**

**Institut Català de Paleoecologia  
Humana i Evolució Social**



# Annual Report



**Board of Trustees**





**IPHES receives the *Premi Tarraco*, granted by the City of Tarragona,  
for the defense and promotion of the UNESCO World Heritage**



*Pau Ricomà, Major of Tarragona, awards the prize to Robert Sala, director of IPHES*



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## Foreword



In October 2019 IPHES has been assessed within the CERCA evaluation program to weigh up its strength and internationalisation degree. That can be a good opportunity to introduce briefly its history. The research at IPHES was firstly devoted to the first phases of human evolution, namely on the initial peopling of Europe and the behavioural evolution of Neanderthals. Thus, the research units of our institute were designed to fulfil the usual issues in every archaeological project in the mentioned chronologies. The main objective was to create a team working every kind of empirical data issuing from an archaeo-palaeontological site.

This policy resulted in the ability to reach a high level in the quality of data production and management. Second it allowed the creation of a series of well-equipped laboratories. The different research teams and laboratories were working in several

sites namely around Tarragona, in Catalonia and Spain but including international collaboration.

This research and a European network incepted in the early 90's were the basis to take advantage of the Erasmus Mundus program of the European Education, Audiovisual and Culture Executive Agency (EACEA) and establish an International Master on Quaternary and Prehistory to be granted in the first Erasmus Mundus call. Such a success improved our strategical collaboration with the Universitat Rovira i Virgili.

Finally, the research within the IPHES' team and the internationalisation of its academic program were the basis for a wide schedule of socialisation, making the human evolution science accessible to every citizen and putting it in the social "agora". This whole strategy received a very good score in the recent evaluation, placing IPHES among the strongest institutes in the CERCA research background.

The evaluation assessed not only the conception of an institute developing an agenda on research, training and socialisation but also the improvement of the centre since its inception in 2006. The research topics were enlarged, going well far beyond the early human evolution by including interest on the final prehistoric phases and even entering the early antiquity. We are interested in the palaeoecological study of early civilisations

and their resilience as one of the recent established research issues at IPHES.

Here lies one of IPHES achievements. What seems specially of great significance to me is the interest and attractiveness of the high-quality data arisen from the sites managed by the researchers in our institute. This quality has attracted several specialists developing investigations in genetics and population mobility of the early European farmers. This attractiveness has resulted in the participation of IPHES' archaeologists and palaeontologists in highly cited papers with a great social impact.

A second enhanced axis has been on the territoriality of our research. As for example the 2019 field work has been developed, beyond the classic sites around Tarragona, through management or participation at sites in Europe, Asia and Africa, including field research in Ethiopia, Eritrea, Philippines, Algeria, Morocco, Georgia and Armenia. Not to mention the improving in the general scores of publications we present in this report.

Another objective that is attracting our attention is the constant improvement of our laboratories. This has been one of the objectives for 2019. We can mention the Microscopy laboratory that will be enriched in brief by the acquisition of a Confocal Microscopy. Nevertheless, one the upgrade we like to introduce is in a Biomolecular laboratory that would allow IPHES to develop new research issues and by doing so being able to fulfil some of the weaknesses described by the CERCA

evaluation committee, that is the necessity to introduce the newly established areas of archaeology and palaeontology research and make it possible to upgrade the score of lead papers. Despite of that, the scores of IPHES have been higher for 2019: 115 papers including a 66.1 within Q1.

In 2019 our International Master has been once again granted within the Erasmus Mundus program of EACEA. This is one of the longest lasting masters in this European agenda. Along with the Doctorate on Quaternary and Prehistory, ensures IPHES and URV internationalisation in the area of Quaternary and Human Evolution. Moreover, it allows IPHES to train new cohorts of international students in its laboratories and field work. During 2019 nine new PhD thesis have been defended by candidates trained at IPHES.

Our briefing about IPHES during 2019 requires to introduce the achievements in the socialisation domain. IPHES is about to widen its presence in primary and secondary schools in Tarragona through programs aiming at improving social cohesion in the city. This is one of our flagship programs along with the creation of new facilities bringing science and heritage closer to the citizen. This is the case of the new centre in Caldes de Malavella (northeast of Catalonia) where to present the research in the palaeontology of Camp dels Ninots Pliocene site. In the near future another centre will be also created at La Canonja to present the research at La Boella site. We have to be proud of this policy, specially since the City Council of Tarragona

has awarded to IPHES the Premi Tarraco for the promotion of the World Heritage in 2019.

To close that briefing we would like to mention what has been one of main findings made by IPHES during 2019: the discovery in late October of a Palaeolithic Sanctuary with rock art inside the Cova de la Font Major (Espluga de Francolí, west of Tarragona). This is the first one to be discovered in Catalonia and has to enhance IPHES presence in the society by

participating in the inception and management of new heritage facilities, another of the clues required by the evaluation committee.

Thus, 2019 has been an intense year until its last days, during which IPHES has improved the scores in its three domains of activity, what is its social objective.

Robert Sala-Ramos  
IPHES Director



# Management





## About us: general data for 2019

The Institut Català de Paleoecologia Humana i Evolució Social (IPHES) is a research center created in 2005 with the aim to carry out excellent research in the field of Paleoecology and Human Evolution. We study the biological and cultural context of Human Evolution from the Prehistory with an evolutionary perspective, by crossing different disciplines applied to the archaeopaleontological remains.

By the year 2019, we have reached 115 articles in journals of the highest standard in our field. We also have continued to widen the spectrum of multidisciplinary publications such as *Nature*, *Science* or *Proceedings of the National Academy of Sciences*, among others.

The management of the IPHES has been facing great challenges adapting **usual internal procedures to the numerous norms applying to Foundations**. Moving towards a management model close to the one used in the public sector is another fact to be taken into account.

We would like to mention some regulations entering into force that affected usual activities of Management, such as the European Data Protection Regulation, the Law of Public Procurement, as well as the new Transparency Law and the urgent measures to improve social protection.

In the other hand, IPHES has been involved in a **change of its juridical statues** in compliance with the criteria of article 129 of Law 40/2015. IPHES will be attached to the Regional Government through its Ministry of Business and Knowledge, majoritarian in its Board of Trustees.

On the other hand, IPHES after being included within the ECA (European System of Accounts), the system of national accounts and regional accounts used by members of the European Union, has been included for the first time in 2019 in the Budgeted System Procedure used by the regional government and the bodies and agencies of its public sector. **The 2020 IPHES budget will be elaborated and approved under the rules of the regional government.**

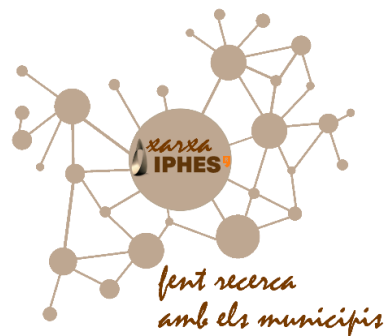
From the economic point of view, in order to contribute to the economic viability of the center, IPHES has applied to **European Union Funds**, especially those related to **European Regional Policy** such as the European Regional Development Fund (ERDF), the European Social Fund (ESF), and the European Agricultural Fund for Rural Development (EAFRD). This strategy has been implemented to complement those European Funds within the Horizon 2020 that are already in application in IPHES.

In the field of European Regional Policy, IPHES has been granted with a Regional Research and Innovation Strategy for smart Specialization, PECT-RIS3CAT. This project, called TurisTIC in family- Mammuthus, has been provided with a budget of more than 200,000 euros. It will allow families to immerse themselves in the Pleistocene era, through a subjective experience provided

by new technologies. The project is supported by the Tarragona Provincial Council and the Canonja Town Council. During 2019 the museography project has been completed. In 2021 a new museum will contribute to bring Science closer to Society.



On the other hand, the Management area has continued a great alliance with the territory visiting more than 52 municipalities participating in more than 156 activities in 2019. You can see further information on the Chapter “*Xarxa de municipis IPHES*” of the report, entirely devoted to this issue.



Still in this field of territorial collaboration, the Management Area has driven the partnership IPHES-Diputació de Barcelona, assuming its role as scientific partner of the Biblollabs network, composed by more than 90 libraries. Diputació de Barcelona has also played a key role funding the infrastructure needed for the site of Teixoneres Cave in the municipality of Moià. It was essential to protect the site after having discovered a Neanderthal child tooth, making it possible to move forward in the research project. The Department of Culture of the Generalitat de Catalunya, together with IPHES and Moià signed an agreement to make it possible.





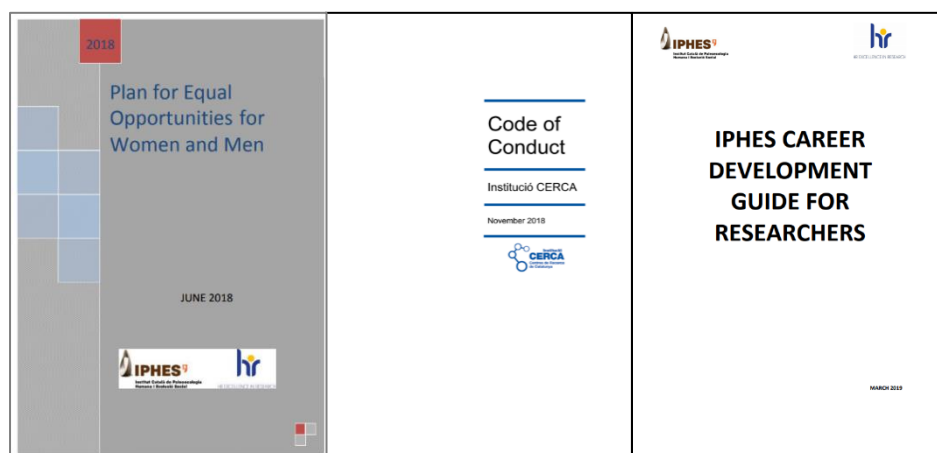
Moreover, it is necessary to be outlined the support offered by all the Municipalities for their logistic and economic support to the excavations undertaken in their locations, as well as the support offered by Diputació de Tarragona. You can have detail of it in the Chaper “*Xarxa de Municipis IPHES*” in this report.

**In the area of equality, gender balance and improvement of human resources**, IPHES has been developing the actions to which it was committed. **The Equality Plan** required an Equality Commission, created in 2019 to collect and convey initiatives proposed by the personnel related to equality of men and women.

Concerning **procedure for combating workplace harassment and violence**, it has been created a committee that will be trained in those issues to be able to investigate and prevent possible cases of harassment.

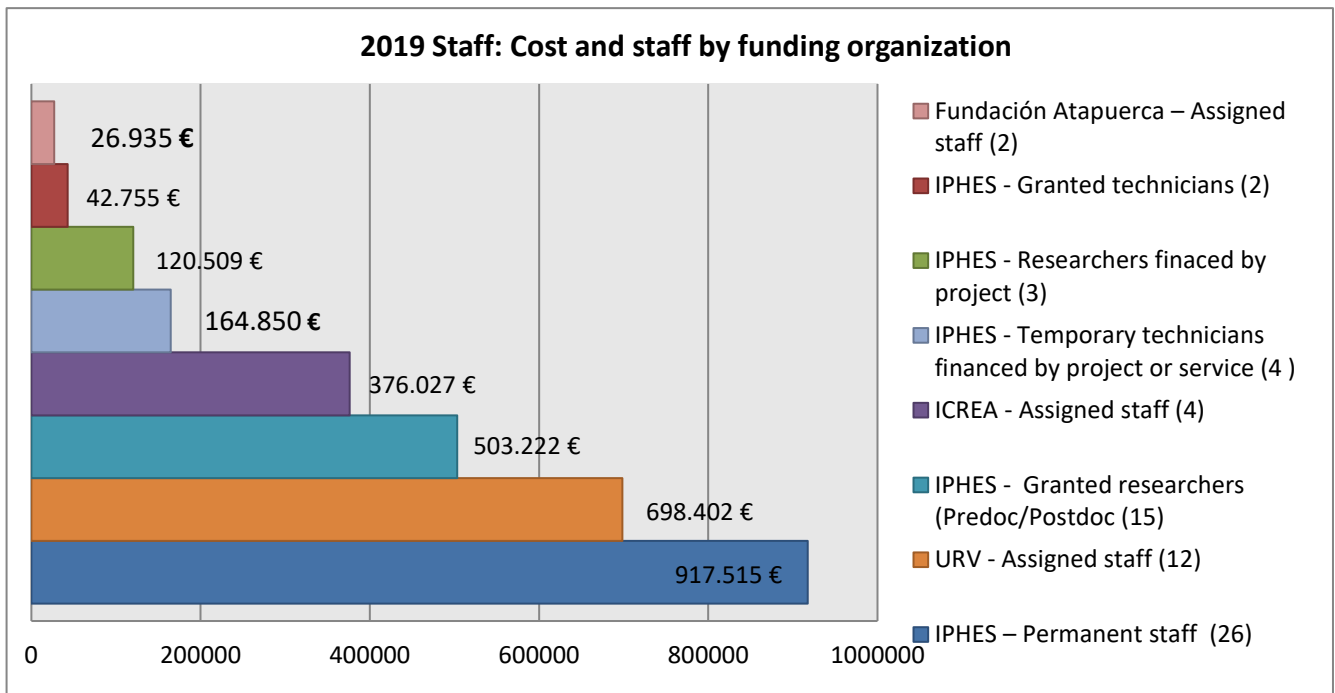
To improve the Human Resources policies and procedures, IPHES was submitted and awarded a **HRS4R label** in 2017. In 2019 IPHES has prepared different documents to go forward such as a “Recruitment Procedure for Researchers” and a “Career development Guide”.

Moreover it has **approved the code of conduct**. This document fills an important gap that our system of centers had and provides stimulus and guarantees of well-done work in aspects of transparency, open access to data and results, management of industrial property, scientific integrity, relationship with the media, among others.

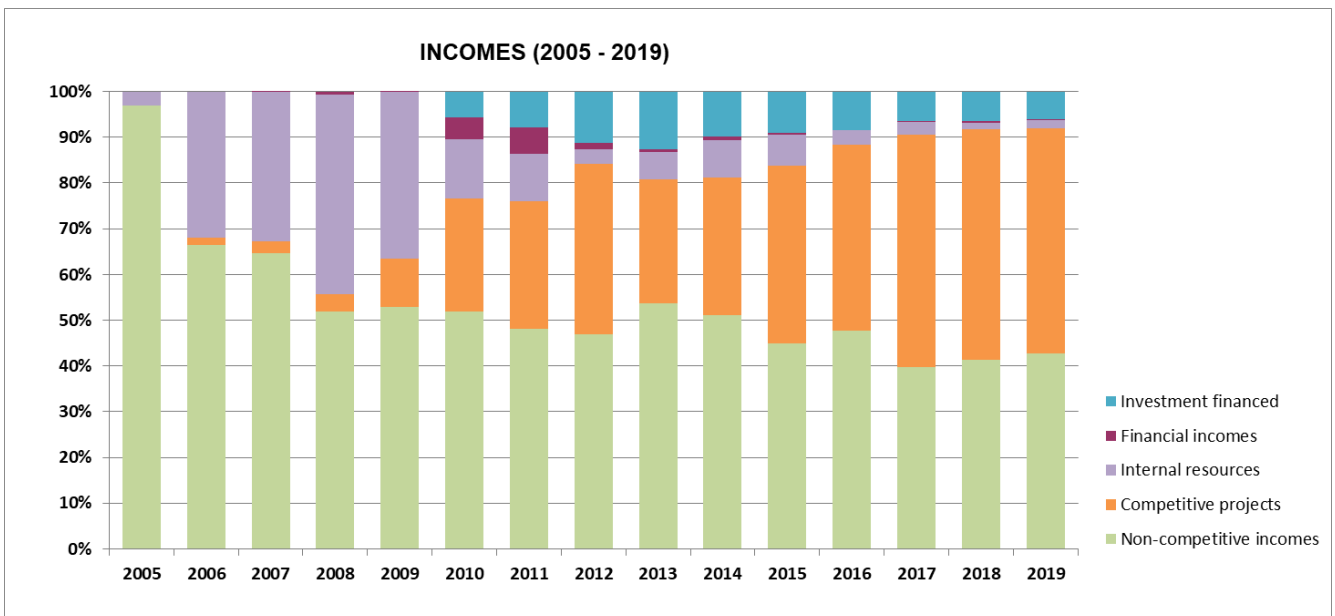


HR EXCELLENCE IN RESEARCH

On the economic point of view, 2019 closes with a positive result, as it did in 2018 and 2017, after some years of economic difficulties and negative results. We emphasize that more than half of the income obtained in 2019 comes from competitive projects.



IPHES funding institutions bar chart



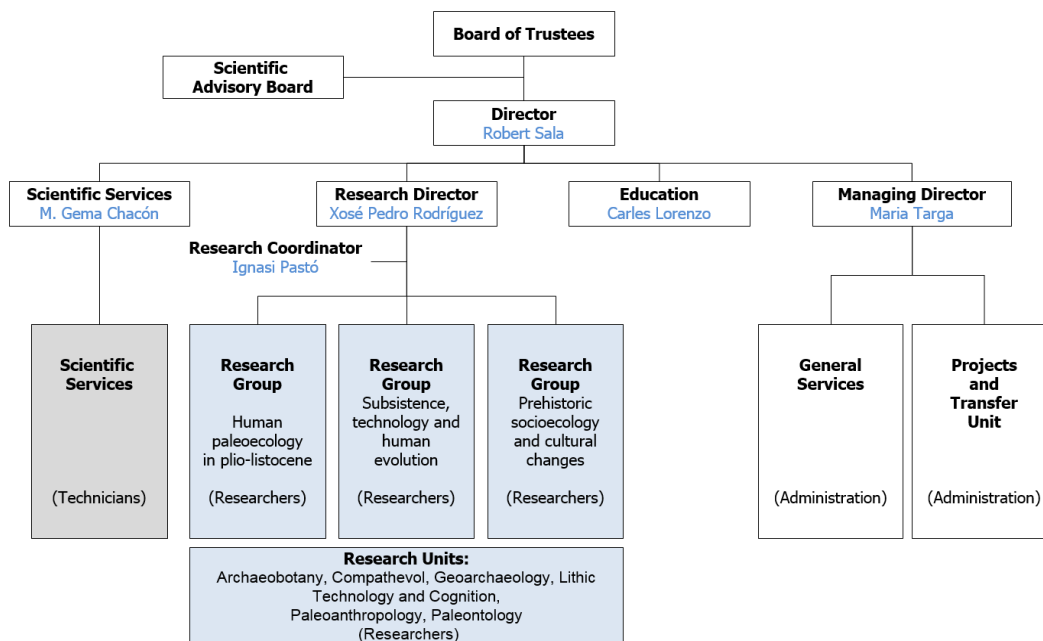
IPHES historicum bar chart

IPHES has a team of 49 researchers, 11 support technicians and 9 management members. The institute has 3.105 m2 devoted to outstanding facilities granted by FEDER (European Regional



Development Fund). Our labs are equipped in order to develop a wide range of archaeological research and we also have collections service supported by technical staff.

### IPHES Organization Chart



IPHES organization chart

IPHES is a member of CERCA system (Centres de Recerca de Catalunya) and the Catalan Association of Research Centres (Associació Catalana d'Entitats de Recerca - ACER).

This year IPHES has been appointed as a member of the board in the Catalan Association of Foundations, institution that involves 650 Foundations.



## Staff



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**TEMPORARY STAFF FUNDED BY PROJECT (Full Time Equivalent = 4 people)**

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| Borrell, Julià         | Marsal, Roser    | Rodríguez, Antonio   |
| Cueva, Arturo          | Mateo, Paula     | Sánchez, Cristian    |
| Euba, Itxaso           | Mateos, Pablo    | Soares, Miguel Ángel |
| Fernández, José Norman | Modolo, Marta    | Titton, Stefania     |
| García, Francisco      | Montemayor, Ana  | Valtierra, Noé       |



|                     |                |                 |
|---------------------|----------------|-----------------|
| Hernando, Raquel    | Luzi, Elisa    | Pineda, Antonio |
| Iannicelli, Claudia | Peinado, Jesús | Piñero, Pedro   |

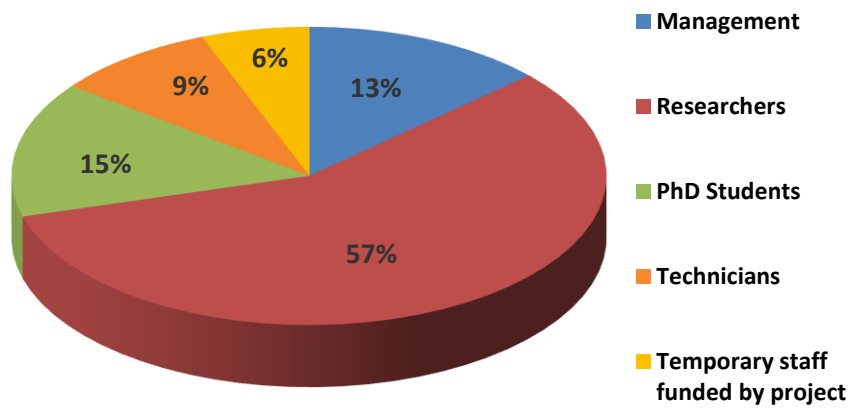
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| Gómez Merino, Gala                   | Conservation           | IPHES                   | <a href="mailto:ggomez.merino@iphes.cat">ggomez.merino@iphes.cat</a>       |
| Guillén Espínola, Maria<br>Dolors    | Scientific Photography | IPHES - PEJ<br>(MINECO) | <a href="mailto:mguillen@iphes.cat">mguillen@iphes.cat</a>                 |
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| Téllez Peñaranda, Edgar              | Curator                | IPHES - PEJ<br>(MINECO) | <a href="mailto:etellez@iphes.cat">etellez@iphes.cat</a>                   |

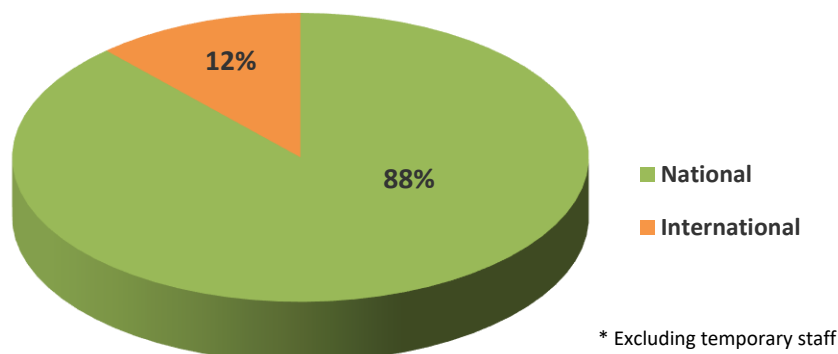
### MANAGEMENT (Full Time Equivalent = 9 people)

| Name                            | Speciality                                          | Funder               | e-mail                                                                   |
|---------------------------------|-----------------------------------------------------|----------------------|--------------------------------------------------------------------------|
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| Guardiola Fígols, Miquel        | Project & Transfer<br>Unit / Outreach<br>Technician | IPHES                | <a href="mailto:mguardiola@iphes.cat">mguardiola@iphes.cat</a>           |
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| Moreno Moliner, Òscar           | IT Manager                                          | IPHES                | <a href="mailto:omoreno@iphes.cat">omoreno@iphes.cat</a>                 |
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| Targa Montserrat, Maria         | Managing Director                                   | IPHES                | <a href="mailto:mtarga@iphes.cat">mtarga@iphes.cat</a>                   |
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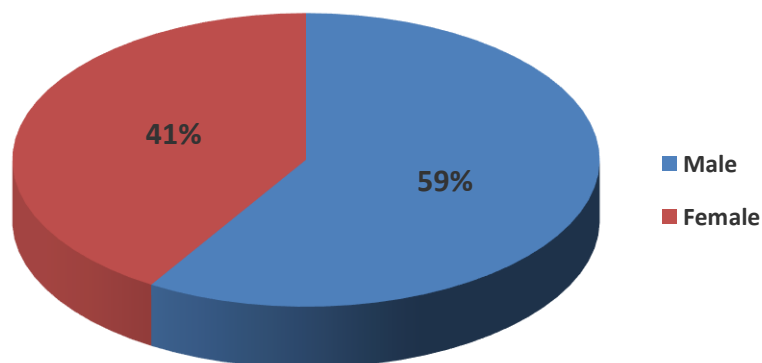
Staff distribution by Areas



Staff distribution by Geography



Staff distribution by Gender





## Scientific Advisory Board

**Dr. David Lordkipanidze (President)**  
Director of Georgian State Museum, Georgia.



**Dr. Anne Delagnes**  
Director of PACEA - Université de Bordeaux, France.



**Dr. Erella Hovers**  
Professor at The Hebrew University of Jerusalem, Israel.



**Dr. Leonor Peña-Chocarro**  
Scientific Investigator of OPIS. Institute of History.  
Departament of Archaeology and Social Processes (CSIC),  
Spain.

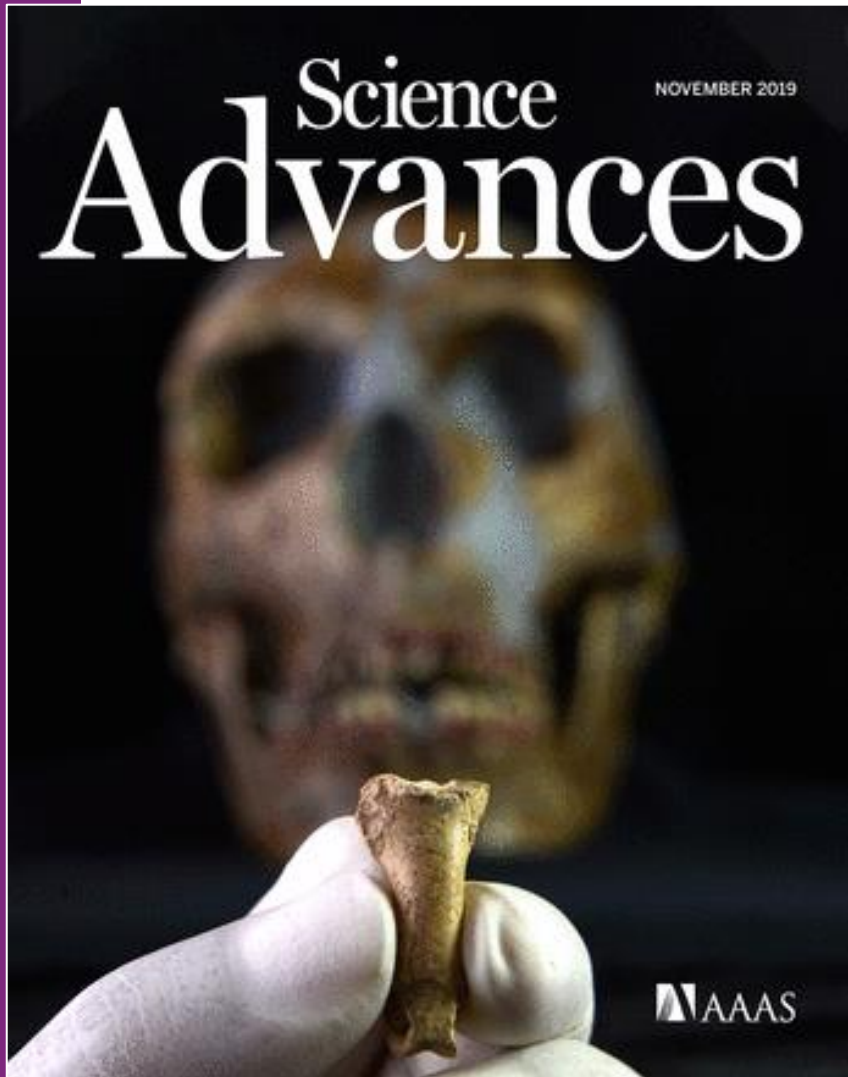


**Prof. Antonio Rosas**  
Research professor in the Department of Paleobiology.  
Museo Nacional de Ciencias Naturales (CSIC), Spain.





# Research





## Research Groups

### Human Palaeology in the Plio-Pleistocene (PalHum)

**Principal investigator:** Dr. Hugues-Alexandre Blain.

**Researchers:** Dr. Jordi Agustí, Dr. Deborah Barsky, Dr. Gerard Campeny Vall-Ilosera, Dr. Antoni Canals, Dr. Bruno Gómez de Soler, Dr. Policarp Hortolà, Dr. Bienvenido Martínez-Navarro, Dr. Tsegai Medin, Dr. Josep Maria Prats, Dr. Robert Sala and Dr. Josep Vallverdú.

**PhD students:** Mohamed Azaza, Josep Francesc Bisbal-Chinesta, Almudena Martínez Monzón, Mihailo Jovanović, Madhavi Kureriath, Moncef-Said Mtimet and Avinandan Mukherjee.

**Support to research staff:** Bernat Sentis, Marta Fontanals, Elena Moreno Ribas, Dr. Mónica Fernández García and Miguel Soares Ramiseiro.

**Collaborations:** Dr. Iván Lozano-Fernández, Dr. Pedro Piñero, Dr. María Luisa Soto Quesada, Dr. Sandra Bañuls Cardona, Dr. Souhila Roubach, F.J. García Vadillo, Ángel Blanco Lapaz, Francisco Javier Luengo Gutiérrez, Adrià Escudé, Estefania Tilton and Akinbowa Akintayo.

**Reference:** SGR 2017 859

The objectives of PalHum focus on establishing the context of the Pleistocene human migration in the Mediterranean area from a triple approach: 1. the global climatic changes as a forcing factor on hominin dispersal timing and mode; 2. hominids-carnivores coevolution and interactions and their implication for dispersal/subsistence, and 3. the study of techno-behavioral compartments (Acheulean vs. Oldowan) and their implications for population replacement, and/or cultural transmission across the Mediterranean. All three aspects, techno-cultural innovation, climate evolution and associated faunal interactions have acted as significant drivers in the different episodes of human dispersal from the Pliocene to Middle Pleistocene.

Then in addition to these objectives, PalHum formalized for the new period (2017-2019) a fourth emergent objective: the investigation of the social and economic impact of our scientific research at Barranc de la Boella (La Canonja, Tarragona) and Camp dels Ninots (Caldes de Malavella, Girona).

Thus research topics are as follow:

#### **A. Human and faunal dispersals during the Quaternary: Tempo and Mode**

A1. Pliocene and Pleistocene Eurasian faunal dispersals

A2. Biochronology of the first hominid remains into Mediterranean area and abroad

- A3. First human settlements in Eurasia, Northern Africa, and Horn of Africa
- A4. Paleoenvironmental and paleoclimatic context of first hominid dispersal

**B. Hominines-Carnivores interactions**

- B1. Hominids-Sabertooths coevolution (*Meganteron whitei*)
- B2. Hyenas-Hominids interactions (*Pachycrocuta brevirostris*, *Crocuta crocuta* and *Hyena hyena*)
- B3. Interaction with social carnivores (*Lycaon lycaonoides*)

**C. Early Technological Behavior (Oldowan vs. Acheulean)**

- C1. Stone Tools (Raw Materials, Lithic Technology, Use-Wear/Residue Analyses)
- C2. Information Systems in archaeo-paleontological sites: social and spatial behavior
- C3. Dispersal/Transmission of techno-cultural innovations

**D. Heritagization of the archaeo-paleontological record**

- D1. Non-formal scientific education in geosciences and the archaeological record as a source of young public engagement of science
- D2. Monitoring the cultural equipment, including how to communicate or transfer archaeo-paleontological contents in order to build sustainable infrastructures

We approach these questions through work at different paleontological and archaeological sites (underlined when led) from Eastern Africa to Western Eurasia and the Mediterranean Basin:

- 1) **Pliocene:** Camp dels Ninots (Spain), Baza (Spain).
- 2) **Early Pleistocene:** Barranco León and Fuente Nueva 3 (Spain), Quibas (Spain), La Boella (Spain), Bois de Riquet (France), Pirro Nord (Italy), Aïn Beni Mathar and Guefaït Basins (Morocco), Oued Sarrat Basin (Tunisia), Ternifine (Algeria), Dmanisi (Georgia), Bizat Ruhama (Israel), Engel Ela-Ramud Basin and Danakil Depression (Eritrea).
- 3) **Middle Pleistocene:** Cova dels Xaragalls (Spain), Santa Ana Cave (Spain), N'gaous (Algeria), Caune de l'Arago (France), Azokh Cave (Nagorno Karabagh).

Concerning **knowledge transfer**, PalHum is consolidating and strengthening the ongoing activities related with heritage valorisation of paleontological and archaeological sites, both in Catalonia and abroad.

On one hand, the research group is leading, together with local and provincial administration, the scientific advice and contents of the tourist route and the construction of the visitor centre around the Camp dels Ninots paleontological site. These activities are co-funded by the *Strategic Plan for Touristic Development 2013-2016* of Catalonia, *Heritagization Plan* of Catalonia and the City Council of Caldes de Malavella.

On the other hand, the group is also leading the heritagization process of Barranc de la Boella archaeological site, which has become part of the "TurisTic en família" project within the Regional Innovation for Smart Strategic Specialization of Catalonia (RIS3CAT), incorporating local



and provincial administration stakeholders (Ajuntament de La Canonja, Diputació de Tarragona). This project allows PalHum to advice, provide contents and monitor the design of a prehistoric experience to boost cultural tourism, contributing to the development of the experience economy in *Costa Daurada*, an important family tourism destination of Tarragona province.

Furthermore, the research results of the group related with the archaeological sites of the Guadix-Baza Basin (Granada, Andalusia) is continuing to provide advice and updated contents to the new Centro de Interpretación de los Primeros Pobladores de Europa (Orce, Granada), co-funded by ERDF funds. And finally, at an international level, the group is following on with the research and knowledge transfer collaboration for the development of the National Museum of Georgia and Université Mohammed Premier Oujda for valorisation of Dmanisi archaeological sites and the archaeological heritage of Eastern Morocco, respectively.

## Group of Analyses on Socio-ecological Processes, Cultural Changes and Population dynamics during Prehistory (GAPS)

**Principal investigator:** Dr. Ethel Allué.

**Researchers:** Dr. Elodie Brisset, Dr. Francesc Burjachs, Dr. M. Gema Chacón, Dr. Javier Fernández López de Pablo, Dr. Magdalena Gómez-Puche, Dr. Juan Manuel López-García, Dr. Sergi Lozano, Dr. Rowan Mac Laughin, Dr. Ignasi Pastó, Dr. Ana Polo-Díaz, Dr. Florent Rivals, Dr. Jordi Rosell, Dr. Carlos Tornero and Dr. Manuel Vaquero.

**PhD students:** Susana Alonso, Maite Arilla, Aitor Burguet-Coca, Carolina Cucart, Juan Ignacio Martín-Viveros, Leopoldo Pérez, José Ramón Rabuñal and Carlos Sánchez.

**Technical staff:** Irene Cazalla, Celia Díaz-Canseco, Isabel Expósito, Núria Ibáñez and Gala Gómez-Merino

**Collaborations :** Ivan Ramírez and Céline Kerfant

**Reference:** 2017 SGR 836

The scientific activity of the group is focused on the study of ecology, population dynamics and cultural changes that characterize human societies throughout prehistory, from the earliest evidence of Neanderthal behaviour to the emergence of the first agricultural societies and livestock practices (Neolithic). This research is conducted from a multidisciplinary approach, integrating data from different disciplines, lithic technology, zooarchaeology, taphonomy, palaeontology, archaeobotany, spatial analysis, symbolic expression and computational models.

The group is composed by 15 researchers, 5 technicians and 8 doctoral students. The core of the research group is formed by four researchers with tenured research positions (Ethel Allué [group coordinator]; M. Gema Chacón, Sergi Lozano, Ignasi Pastó; Jordi Rosell, Manuel Vaquero and Javier Fernández López de Pablo), two ICREA research Professors (Francesc Burjachs and Florent Rivals), and one tenure-track researcher: Juan Manuel López-García .

In the group, there have been several incorporations of young researchers as a result of public competitive Spanish and European calls. These researchers are integrated in the group providing new challenges to our strategic objectives. Elodie Brisset, PhD (Marie Skłodowska-Curie Fellow & La Caixa Junior Fellow) develops research based on paleoenvironmental setting during the early Holocene based on a multiproxy approach on paleogeography as a complement and continuity of the former member of the group Samantha Jones, PhD (Marie Skłodowska-Curie Fellow 2014-2016). Research on combustion structures micromorphology is being developed by Ana Polo-Díaz, PhD (postdoctoral researcher ERC PALEODEM), and research on the integration of proxies related to dating to be applied to past demography carried out by Magdalena Gómez





Puche, PhD (postdoctoral researcher ERC PALEODEM). Rowan Mac Laughin (postdoctoral researcher ERC PALEODEM) carries out research on chronological modelling, palaeodemographic analysis, and time-series based analysis and meta-analysis of archaeological and environmental data from Iberia. Finally, Carlos Tornero, PhD (Beatriu de Pinós Fellow) has integrated biogeochemical analyses to improve our understanding of domestication process regarding livestock economy and husbandry.

Additionally, the team includes 8 pre-doctoral students (Susana Alonso, Carolina Cucart, Aitor Burguet-Coca; Juan Ignacio Martín Viveros, Leopoldo Pérez; Carlos Sánchez; Maite Arilla; José Ramón Rabuñal) from different grants schemes (primarily ERC PALEODEM, MEC - FPU, FI AGAUR, Fundación Atapuerca).

The group also rely on 3 technicians providing support for archeobotany (Isabel Expósito), archeological collections (Núria Ibáñez), and conservation (Gala Gómez Merino). At the end of 2019, 2 technicians joined the group through the PEJ program (Programa de Empleo Juvenil).

The research group is aimed at studying the cultural and behavioral changes, the ecology and population dynamics of Neanderthals and modern humans from the final Middle Pleistocene to the early Holocene. During this period, three major processes took place: 1) the origin of Neanderthal behavior; 2) the Middle to Upper Paleolithic transition and 3) the beginning of a productive economy. The 6 main strategic objectives encompassing the specific challenges are inter-linked with other ongoing projects leaded or participated by the members' Group.

1. Technology and material culture.
2. Subsistence strategies.
3. Spatial analysis.
4. Paleoenvironment.
5. Quantitative modelling.

All the scientific objectives of this team are achieved through work on a series of archaeological sites spanning the entire chronological frame on the Iberian Peninsula and abroad. The members of the GAPS are directly involved in the excavation of these sites, either as principal researchers or as participants in the fieldwork and/or study of materials. The sites we work at and use as primary data sources are:

The members of the group participate in different Spanish excavations, both at fieldwork and studying materials:

- Middle Paleolithic: Abric Romaní, Cova de les Teixoneres, Cova del Toll, Vanguard Cave, Gorham's Cave, Cau del Roure, Cova Foradà, Cova de les Llenes, Beef Steak Cave, Cova del Bolomor, Balma de la Griera, El Salt

- Upper Paleolithic: Molí del Salt, Costa de Can Manel, Abric de la Consagració, Cova de Valdavara, La Catiuera, Balma de la Vall, Cova de les Borres, Cova Foradada, Cova dels Xaragalls
- Mesolithic: Abric Agut, Casa Corona.
- Neolithic: El Mirador, Cova de la Font Major, El Cavet, Cova Colomera, El Arenal, Cova 338.

Moreover, the following international projects and collaborations are being developed:

- Europe: Collaboration studies in prehistoric Balkans (Serbia and Montenegro), the Caucasus (Georgia, Armenia and Nagorno-Karabakh), and Grotta Rio Secco, Grotta del Cavallo, Riparo Bombrini, Balzi Rossi and Vallone Inferno (Italy).
- Africa: Project on the Pleistocene human occupations at the Eastern Morocco: Ain Beni Mathar and Guéfaït region. Principal Investigators M. Gema Chacón and Hassan Aouraghe.
- Middle East: Collaboration in the frame of zooarcheological and archeobotanical research at Qesem Cave, Jordan River Dureijat and Nesher Ramla (Israel).
- South-East Asia: Participation in the Project MARCHE - Mission Archéologique aux Philippines Origine, nature et diversité des premiers peuplements des Philippines. Site of Kalinga (Rizal, Isla de Luzón, Philippines).

The organization of our group permits to confront the challenges and scientific objectives. The number of researchers and their careers join in an interdisciplinary critical mass with high capabilities to produce new synergies and to successfully compete in European calls, as has been already exposed and achieved along the 3 last years.



## Social, cultural and biological evolution during the Pleistocene (StEP)

**Principal investigator:** Dr. Andreu Ollé.

**Researchers:** Dr. Adrián Arroyo, Dr. Isabel Cáceres, Dr. Eudald Carbonell, Dr. Gizéh Rangel de Lázaro, Dr. Rosa Huguet, Dr. Beatriz Gamarra, Dr. Miquel Llorente, Dr. Carlos Lorenzo, Dr. Marina Lozano, Dr. Marina Mosquera, Dr. Antonio Pineda, Dr. David Riba, Dr. Xosé Pedro Rodríguez, Dr. Palmira Saladié, Dr. Laxmi Tumung, Dr. Josep Maria Vergès and Dr. John Willman.

**PhD students:** AndiÓN Arteaga, Ana M<sup>a</sup> Bucchi, Antonietta Del Bove, Andrea Díaz, Raquel Hernando, Diego Lombao, Esther López, Miguel Ángel Moreno and Alfredo Suesta.

**Technical staff:** Dr. Lucía López-Polín, Miquel Guardiola, Maria Dolors Guillén and Edgar Téllez.

**Collaborators:** Dr. Lena Asryan, Dr. Amèlia Bargalló, Dr. Paula García, Dr. Patricia Martín, Dr. Antonella Pedergnana, Dr. Antonio Rodríguez, Dr. Boris Santander, Dr. Marcos Terradillos, Arturo Cueva, Arturo de Lombera, Héctor del Valle, Juan Luis Fernández, Andrés Jurado, Chiara Messana, Sergio Miguel Luengo, Juan Marín, Raquel M. Pérez, Juan Ignacio Martín Viveros, Paula Mateo, Sandra Val, Noé Valtierra, Gökem Cenk Yesilova and Riccardo Zappon.

**Reference:** 2017 SGR 1040

The research of this group, “Social, Cultural and Biological Evolution during the Pleistocene”, aims to study Human Evolution on its biological, social and technological developments in the Pleistocene (although younger contexts are also studied). The main areas of research are palaeoanthropology, lithic technology, zooarchaeology and taphonomy, early human cognition (etoprimatology and cognitive technology), and preparation and conservation of archaeopalaeontological materials. Its approach is based on a strong investment in fieldwork and in the systematic analysis of the recovered materials to gather reliable empirical data, and on original experimentation as a part of testable procedures.

During 2019, the group headed by Dr. Andreu Ollé Cañellas has been composed of 31 members: 10 IPHES-URV staff, 3 postdoctoral researchers (MSCA, JdIC and BP), 2 researchers from other universities (Girona and Vic), 8 predoctoral students from national and international grant schemes (3 FPU, 1 FI, 1 PMF-URV, 1 Gov. Navarra, 1 Prog. TornoSubito and 1 Chilean Gov.), 4 technicians (one of them PhD), and 4 researchers with expired grants that remain close collaborators (3 of them recent doctorates). Furthermore, there are 23 close collaborators (8 of them PhD). In 2019, one PhD has been defended inside the group (L. Tumung). The research topics of this group share the same general empirical framework based on the different fieldwork projects led or specifically participated by their members, both in Spain and abroad.

## In Spain:

- ❖ The archaeo-paleontological complex of the Sierra de Atapuerca (Burgos), especially the Pleistocene sites cave sites of Sima del Elefante, Gran Dolina, Galería, Sima de los Huesos and Cueva Fantasma, as well as the Pleistocene-Holocene rock shelter site of El Mirador.
- ❖ The Lower Pleistocene sites of the Guadix-Baza Basin (Granada): Fuente Nueva 3 and Barranco León.
- ❖ The Lower Pleistocene site of Quibas (Murcia).
- ❖ The Pleistocene sites of the Calerizo de Cáceres (Cáceres): Cueva de Santa Ana and Cueva de Maltravieso.
- ❖ The Pleistocene and Holocene sites included in the project “Evolució paleoambiental i poblament prehistòric al Projecte Francolí, Gaià, Siurana i rieres del camp de Tarragona”: Barranc de la Boella, la Cansaladeta, Cova dels Xaragalls, les Borres, la Cativera, Cantacorbs, Cova del Cudó, el Cavet, Cova de la Font Major and surveys at la Bauma de la Vall and Mas d’en Llord (Tarragona).
- ❖ The Upper Pleistocene site of Abric Romaní (Barcelona).
- ❖ The Upper Pleistocene site of Cova Gran de Collbató (Barcelona).
- ❖ The Upper Pleistocene site of Cova del Parco (Lleida).
- ❖ The Upper Pleistocene sites of Abrigo de Navalmaíllo and Cueva Des-cubierta at Pinilla del Valle (Madrid).
- ❖ The Upper Pleistocene site of El Sidrón (Oviedo).
- ❖ The Upper Pleistocene site of Cueva de Guantes (Palencia).
- ❖ The Upper Pleistocene site of Cova Foradà (Valencia).
- ❖ The Upper Pleistocene site of Cova de Dalt del Tossal de la Font (Castelló de la Plana).
- ❖ The Upper Pleistocene site Cova Eirós (Lugo).
- ❖ The Upper Pleistocene sites included in the project “Substitucions humanes i transformacions econòmiques entre el Pleistocè superior final i l’Holocè al Penedès”: Balma de la Griera and Cova Foradada (Tarragona) and Cova del Mas Trader (Barcelona).
- ❖ The Holocene site of Guixeres de Vilobí (Barcelona).
- ❖ The Holocene site of Roc de les Orenetes (Girona).

## International

- ❖ The Pliocene, Lower and Middle Pleistocene sites of Aïn Béni Mathar-Guéfaït (Morocco).
- ❖ The Lower and Middle Pleistocene sites of Ain Boucherit, Ain Hanech, El-Kherba and Ternifine (Algeria).
- ❖ The Early to Upper Pleistocene sites at Olduvai Gorge (Tanzania).The Plio-Pleistocene and Lower Pleistocene sites of Gona (Ethiopia).
- ❖ The Lower Pleistocene Engel-Ela and Ramud basin sites (Eritrea).
- ❖ The Middle and Upper Pleistocene site of Azokh (Nagorno-Karabakh).



- ❖ The Upper Pleistocene sites in the Khorramabad Valley (Iran).
- ❖ The Late Pleistocene - Holocene sites in the Madonie Park (Sicily, Italia).
- ❖ The Upper Pleistocene sites of the survey at the Kura-Arax depression / Vorotan River Valley (South Caucasus).

## Research projects hosted by IPHES

### Research projects

#### **Arrels prehistòriques de la transhumància a l'Alt Ripollès: Projecte Arqueològic 2018-2021**

Principal investigator: Carlos Tornero

Call: Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Funder: Departament de Cultura, Generalitat de Catalunya

Period: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00048

#### **El Plio-Pleistocè del Camp dels Ninots i la depressió Prelitoral: evolució paleoclimàtica, dispersions faunístiques i humanes II**

Principal investigator: Bruno Gómez de Soler

Call: Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Funder: Departament de Cultura, Generalitat de Catalunya

Period: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00052

#### **Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i rieres del Camp de Tarragona (2018-2021)**

Principal investigator: Josep Maria Vergès

Call: Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Funder: Departament de Cultura, Generalitat de Catalunya

Period: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00053

#### **Cinglera del Capelló 2018-2021**

Principal investigator: Josep Vallverdú

Call: Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Funder: Departament de Cultura, Generalitat de Catalunya

Period: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00054

#### **Neandertals i carnívors: una història compartida**

Principal investigator: Jordi Rosell

Call: Projectes de recerca quadriennals en matèria d'arqueologia i paleontologia

Funder: Departament de Cultura, Generalitat de Catalunya

Period: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00055



**Eco-Social behaviour of the Sierra de Atapuerca Hominins during Quaternary, V**

Principal Investigator: Eudald Carbonell and Marina Mosquera

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Ciencia, Innovación y Universidades, Gobierno de España

Period: 01/01/2019 –31/12/2021

Reference Code: PGC2018-093925-B-C32

**Snapshots of Neanderthal lifestyles: Behavioural patterns and high resolution archaeology (2)**

Principal Investigator: Florent Rivals and Manuel Vaquero

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Economía y Competitividad, Gobierno de España

Period: 30/12/2016 – 29/12/2019

Reference Code: HAR2016-76760-C3-1-P

**Study of the Early Pleistocene faunal and human dispersals in the Mediterranean basin**

Principal Investigator: Bienvenido Martínez Navarro and Robert Sala

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Economía y Competitividad, Gobierno de España

Period: 30/12/2016 – 29/12/2019

Reference Code: CGL2016-80975-P

**Early and Middle Pleistocene Climatic Crisis and their effect on the evolution of the small vertebrate assemblages of Eastern Spain**

Principal Investigators: Jordi Agustí

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Economía y Competitividad, Gobierno de España

Period: 30/12/2016 – 29/12/2019

Reference Code: CGL2016-80000-P

**Environmental dynamics and human responses during the postglacial in the facade Mediterranean Iberian Peninsula (C. 12700-8000 CAL. BP)**

Principal Investigator: Francesc Burjachs and Javier Fernández-López de Pablo

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Economía, Industria y Competitividad, Gobierno de España

Period: 01/01/2018 - 31/12/2020

Reference Code: HAR2017-88503-P

**“PALEODEM”: Late Glacial and Postglacial Population History and Cultural Transmission in Iberia (c. 15,000-8,000 cal BP)**

Principal Investigator: Javier Fernández-López de Pablo

Call: European Research Council (ERC) Consolidator Grants

Funder: Research Executive Agency, Horizon 2020  
Period: 01/10/2016-30/09/2021  
Reference Code: 2015 ERC Consolidator Grant - 683018

**“IDENTITIES”: Integrative Approaches to Dental Wear: Non-Masticatory Tooth-Use Across the Mesolithic-Neolithic Transition Among Iberian Foraging and Farming Societies**

Project coordinator: Marina Lozano  
Research fellow: John C. Willman  
Call: Marie Skłodowska-Curie actions - Individual Fellowships  
Funder: European Commission-Research Executive Agency  
Period: 01/01/2018 - 31/12/2019  
Reference Code: H2020-MSCA-IF-2016\_749188

**Water resource SustAinabiliTY: minutes from ancient Persia (SALTY)**

Project supervisor: Xosé Pedro Rodríguez  
Research fellow: Elodie Brisset  
Call: Programa de becas de posdoctorado Júnior Leader Retaining para la realización de un proyecto de investigación en Universidades y Centros de investigación españoles  
Funder: Fundació Bancaria "la Caixa"  
Period: 01/04/2019 - 31/03/2022  
Reference Code: LCF/BQ/PR19/11700001

**Research actions & studies**

**Estudio arqueológico y paleontológico del Plio-Pleistoceno de la cuenca de Engel Ela-Ramud, depresión de Danakil (Eritrea)**

Principal Investigator: Bienvenido Martínez-Navarro  
Funder: Ministerio de Cultura y Deporte (MCD)  
Period: 11/12/2019 - 20/09/2020  
Reference Code: 7 / T002019N0000035905

**Evolución del poblamiento humano durante el Cuaternario en Marruecos Oriental: Aïn Beni Mathar – Guefaït (Provincia de Jerada)**

Principal Investigators: María Gema Chacón, Robert Sala  
Funder: Ministerio de Cultura y Deporte (MCD)  
Period: 11/12/2019 - 20/09/2020  
Reference Code: 170 / T002019N0000038589

**Estudios de los registros pleistocenos de la cuenca de Engel Ela-Ramud, Eritrea**

Principal Investigator: Bienvenido Martínez-Navarro  
Call: Subvenciones de los proyectos de excavación fuera de Europa





Funder: Fundación Palarq  
Period: 21/11/19 - 31/12/20

**Prehistoria y trashumancia en el Alt Ripollès**

Principal Investigators: Carlos Tornero and Eudald Carbonell  
Call: Ayudas para la aplicación de metodologías y técnicas de las ciencias experimentales/analíticas en arqueo-paleontología  
Funder: Fundación Palarq  
Period: 30/09/19 - 31/12/20

**Contexto faunístico y paleoambiental del yacimiento de Quibas en relación con la evolución climática del Pleistoceno Inferior y el primer poblamiento humano de Europa**

Principal Investigators: Jordi Agustí and Pedro Piñero  
Call: Ayudas para la aplicación de metodologías y técnicas de las ciencias experimentales/analíticas en arqueo-paleontología  
Funder: Fundación Palarq  
Period: 18/11/2019 - 31/12/2020

**Fabricación de láminas delgadas de gran formato para el estudio micro estratigráfico de las estructuras de combustión del nivel Q de l'Abric Romaní de Capellades**

Principal Investigator: Josep Vallverdú  
Call: Ayudas para la aplicación de metodologías y técnicas de las ciencias experimentales/analíticas en arqueo-paleontología  
Funder: Fundación Palarq  
Period: 24/10/2019 - 31/12/2020

**Identificación de restos Neandertales en la Cova de les Teixoneres (Moià, Barcelona) mediante Zooarqueología por Espectrometría de Masas (Zooms)**

Principal Investigators: Florent Rivals and Jordi Rosell  
Call: Ayudas para la aplicación de metodologías y técnicas de las ciencias experimentales/analíticas en arqueo-paleontología  
Funder: Fundación Palarq  
Period: 18/11/2019 - 31/12/2020

**Faunistic and paleoenvironmental context of the Quibas deposit in relation to the climatic evolution of the Lower Pleistocene and the first human settlement of Europe**

Principals Investigators: Jordi Agustí and Pedro Piñero  
Call: Subvenciones para la investigación e intervención en el patrimonio arqueológico y paleontológico de la Región de Murcia  
Funder: Comunidad Autónoma de la Región de Murcia (CARM)  
Period: 30/05/2019-30/11/2020

Reference Code: ARQ 115/2018

**Isotopic study of the funeral tomb of the Cave of Es Pas: reconstruction of the food pattern of Menorca 3000 years ago**

Principal Investigator: Carlos Tornero

Call: Beques d'investigació de l'Institut Menorquí d'Estudis

Funder: Institut d'Estudis Menorquins (IME)

Period: 03/07/2019 - 30/06/2021

**Other research grants**

**IPHES' internationalization activities grant**

Project coordinator: Robert Sala

Call: Nominative

Funder: Diputació de Tarragona

Period: 01/01/2019 – 31/12/2019

Reference Code: 2019/2010/334/45110

**Outreach research grants**

**IPHES en las escuelas**

Project coordinator: Miquel Guardiola

Call: Ayudas para el Fomento de la cultura científica, tecnológica y de la innovación

Funder: Fundación Española para la Ciencia y la Tecnología (FECYT)

Period: 31/07/2019 - 30/06/2020

Reference Code: FCT-18-13614



## Research projects not hosted by IPHES

### Regional funded Quadrennials Research projects in archaeology and palaeontology

#### **Els canvis climàtics durant el pleistocè a la costa central catalana i l'impacte en les poblacions.**

Principal Investigator: Joan Daura and Montserrat Sanz

Host institution: Universitat de Barcelona

Funder: Projectes quadriennals de Recerca en matèria d'Arqueologia i Paleontologia, Generalitat de Catalunya, Departament de Cultura, Oficina de Suport a la Iniciativa Cultural.

Reference: CLT009/18/00022

Duration of the project: 2018-2021

#### **Transicions culturals durant el Plistocè superior i l'Holocè al litoral prelitoral central de Catalunya**

Principal Investigator: Josep Maria Fullola and Juan Ignacio Morales

Host institution: Universitat de Barcelona

Funder: Projectes quadriennals de Recerca en matèria d'Arqueologia i Paleontologia, Generalitat de Catalunya, Departament de Cultura, Oficina de Suport a la Iniciativa Cultural.

Reference: CLT009/18/00024

Duration of the project: 2018-2021

#### **Plistocè superior i Holocè a la conca mitjana i alta del Segre**

Principal Investigator: Xavier Mangado and Xavier Oms

Host institution: Universitat de Barcelona

Funder: Projectes quadriennals de Recerca en matèria d'Arqueologia i Paleontologia, Generalitat de Catalunya, Departament de Cultura, Oficina de Suport a la Iniciativa Cultural.

Reference: CLT009/18/00030

Duration of the project: 2018-2021

#### **La Draga (Banyoles) i el procés de neolitització en la plana prelitoral i el Prepirineu de comarques gironines**

Principal Investigator: Antoni Palomo Peláez

Host institution: Museu d'Arqueologia de Catalunya

Funder: Projectes quadriennals de Recerca en matèria d'Arqueologia i Paleontologia, Generalitat de Catalunya, Departament de Cultura, Oficina de Suport a la Iniciativa Cultural.

Reference: CLT009/18/00050

Duration of the project: 2018-2021

## Catalan Projects

### **La Roca dels Moros de El Cogul. Recerca i documentació fotogràfica digital de gravats i pintures**

Principal Investigator: Albert Rubio and Ramon Viñas

Host institution: Agència Catalana de Patrimoni

Funder: Agència Catalana de Patrimoni

Reference: 494/K0121-N232-2019/1-23699

Duration of the project: 01/01/2019 – 31/12/2019

## Spanish Projects

### **Neandertales en la Montaña Alicante. Un enfoque multianalítico**

Principal Investigator: Bertila Galván Santos and Carolina Mallol Duque

Host institution: Universidad de La Laguna

Funder: Ministerio de Economía y Competitividad (MINECO-FEDER-UE), Gobierno de España

Reference: HAR2015/68321-P

Duration of the project: 01/01/2016 - 31/12/2019

### **Simulación computacional de fenómenos históricos de cambio social y tecnológico durante el Neolítico**

Principal Investigator: Raquel Piqué and Joan Anton Barceló

Host institution: Universitat Autònoma de Barcelona

Funder: Ministerio de Economía y Competitividad (MINECO-FEDER-UE), Gobierno de España

Reference: HAR2016-76534-C2-1-R

Duration of the project: 30/12/2016 - 29/12/2019

### **Las sociedades humanas y su interacción con el entorno en el NE peninsular desde el Pleistoceno superior hasta inicios del Holoceno**

Principal Investigator: Josep Maria Fullola and Pilar García-Argüelles

Host institution: Universitat de Barcelona

Funder: Ministerio de Economía y Competitividad (MINECO-FEDER-UE), Gobierno de España

Reference: HAR2017-86509

Duration of the project: 01/01/2018 - 31/12/2020

### **Red de investigación en Impacto Social de la ciencia. NET4IMPACT**

Principal Investigator: Marta Soler Gallart

Host institution: Universitat de Barcelona

Funder: Ministerio de Ciencia, Innovación y Universidades (Acciones de Dinamización “Redes de investigación”), Gobierno de España

Duration of the project: 01/01/2019 - 31/12/2020

Reference: RED2018-102779-T



**Evolution of Early Stone Age in East and North Africa (2.6-0.2 Ma): Implications on the Behavioural, Cognitive and Biological Evolution of Early *Homo* and *Homo erectus* (PALEOAFRICA)**

Principal Investigator: Mohamed Sahnouni and Sileshi Semaw

Host institution: Centro Nacional de Investigación sobre la Evolución Humana (CENIEH)

Funder: Ministerio de Ciencia, Innovación, y Universidades, Generación del Conocimiento

Duration of the project: 2019-2022

Reference: PGC2018-095489-B-I00

**Interpretación de la ritualidad de *Homo neanderthalensis* a partir del registro arqueológico de la Cueva Des-Cubierta (Pinilla del Valle, Madrid)**

Principal Investigator: Enrique Baquedano

Host institution: Museo Arqueológico Regional de la Comunidad de Madrid

Funder: Ministerio de Ciencia, Innovación, y Universidades, Generación del Conocimiento

Duration of the project: 2019-2022

Reference: PCG2018-094125-B-I00

**Geología, geocronología y paleobiología de los yacimientos de la Sierra de Atapuerca**

Principal Investigator: Juan Luís Arsuaga and Ignacio Martínez

Host institution: Universidad Complutense de Madrid

Funder: Ministerio de Ciencia, Innovación, y Universidades, Generación del Conocimiento

Duration of the project: 2019-2022

Reference: PGC2018-093925-B-C33

**Entre transiciones en el Último Máximo Glacial. Cambios culturales y su interconexión con los procesos ambientales y tafonómicos en el occidente cantábrico (ca. 23.000-17.000 BP)**

Principal Investigator: Marcos de la Rasilla Vives

Host institution: Universidad de Oviedo

Funder: Ministerio de Ciencia, Innovación, y Universidades, Generación del Conocimiento

Duration of the project: 2019-2022

Reference: MCIU-19-PGC-2018-100010-B-100

**Primeras ocupaciones humanas y contexto paleoecológico a partir de los depósitos plio-pleistocenos de la cuenca Guadix-Baza. Zona arqueológica de la cuenca de Orce (Granada, España)**

Principal Investigator: Juan Manuel López Arenas

Host institution: Universidad de Granada

Funder: Junta de Andalucía

Duration of the project: 2017-2021

Reference: ProjectOrce

**El Cretácico inferior norte de la Sierra de Cuenca, en Beteta y Las Majadas (Cuenca)**

Principal Investigator: Paloma Sevilla

Host institution: Universidad Complutense de Madrid

Funder: Concesión de subvenciones para la realización de proyectos de investigación del patrimonio arqueológico y paleontológico de Castilla-la-Mancha para el año 2019

Duration of the project: 01/01/2019 – 31/12/2019

**Searching for the Pleistocene Hominin Occupation in the Kura-Arax depression and in the Vorotan River Valley (South Caucasus)**

Principal Investigator: **Lena Asryan** and **Andreu Ollé**

Host institution: Fundación Atapuerca

Funder: Fundación Palarq

Duration of the project: 2019-2020

Reference: Field season 001/2019. Palarq Foundation / Atapuerca Foundation

**Origen y dispersion del arte prehistórico en Asia Occidental: Gobustan (Azerbaiján)**

Principal Investigator: Marcos García Díez

Host institution: Fundación Atapuerca

Funder: Fundación Palarq

Duration of the project: 2019-2020

**Internacional**

**Projet Collectif de Recherches « Des Traces et des Hommes » projet interdisciplinaire sur l'identification des modalités d'acquisition et de traitement des matières végétales et animales au Paléolithique moyen en Europe occidentale.**

Principal Investigator: Céline Thiébaud

Host institution: UMR 6636, LAMPEA (Laboratoire Méditerranéen de Préhistoire Europe, Afrique) at Université de Provence, France

Funder: SRAM - Service Régional de l'Archéologie de Midi-Pyrénées

Duration of the project: 2007-2019

**Projet Collectif de Recherches "Entre plaines et montagnes: espaces de subsistance et expressions culturelles au Paléolithique moyen dans le Massif central (Auvergne-Ardèche)"**

Principal Investigator: Marie-Hélène Moncel and Jean Paul Raynal

Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France

Funder: Régions Auvergne et Rhône-Alpes

Duration of the project: 2010-2019



**Préférence Manuelle chez les Homininés à partir des traces d'utilisation sur leurs outils en pierre (PreMHo)**

Principal Investigator: Antony Borel and Emmanuelle Pouydebat

Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France

Funder: Projets LabEx BCDiv (<https://labex-bcddiv.mnhn.fr/en>)

Duration of the project: 2015-2019

**Nahal Efe project: Human environment interaction during the consolidation of agriculture in the arid margins of the Negev**

Principal Investigator: Ferran Borrell and Jacob Vardi

Host institution: Institució Milà i Fontanals (CSIC) and Israel Antiquities Authority, Israel

Funder: Fundación Palarq, Levi-Sala CARE Foundation, Centre de Recherche Français à Jérusalem (CRF)

Duration of the project: 2015-2020

**Hidden Foods**

Principal Investigator: Emanuela Crisitiani

Host institution: Università di Roma, Italy

Funder: ECR Starting Grant.

Duration of the project: 2016-2019

**Projet Collectif de Recherches «Le monde moustérien méditerranéen entre Rhône et Pyrénées»**

Principal Investigator: Thibaud Saos

Host institution: UMR 7194 du CNRS, Université de Perpignan Via Domitia, EPCC-Centre Européen de Recherches Préhistoriques de Tautavel, France

Funder: Service Régional de l'Archéologie de la Région Rhône et Pyrénées

Duration of the project: 2016-2019

**Modelling environmental dynamics and hominin Dispersals around the Mid-Pleistocene Revolution (METHOD). International Focus Group INQUA.**

Principal Investigator: Jesús Rodríguez, Ana Mateos, Maria Rita Palombo and Christine Hertler

Host institution: Centro Nacional de Investigación sobre la Evolución Humana (CENIEH), Spain, Sapienza University, Italy and Senckenberg Research Institute, Germany

Funder: International Union for Quaternary Research (INQUA)

Duration of the project: 2016-2019

Reference: INQUA IFG 1604F

**Mission ARChéologique aux pHIlippinEs (MARCHE): Origine, nature et diversité des premiers peuplements des Philippines.**

Principal Investigator: Thomas Ingicco

Host institution: Muséum National d'Histoire Naturelle (MNHN) Paris, France and National Museum of Manila, Philippines – University of Philippines, Philippines

Funder: Ministère des Affaires étrangères et du Développement international (MAEDI), France & National Geographic Society (USA)

Duration of the project: 2016-2022

**The impact of climate change and climate variability on human populations during the last Glacial**

Principal Investigator: Ariane Burke

Host institution: Université de Montréal, Canada

Funder: Social Sciences and Humanities Research Council of Canada (SSHRC)

Duration of the project: 03/04/2017 - 01/04/2020

**Approche géoarchéologique des paysages de Corse à l'Holocène, entre mer et intérieur des terres "Trà Mare è Monti"**

Principal Investigator: Matthieu Ghilardi

Host institution: CNRS-CEREGE, European Centre Research and Teaching in Geosciences de L'envi, France

Funder: Ministère de la Culture (France)

Duration of the project: 01/01/2018 -1/12/2020

**International Research Network TAPHEN: European Network for Quaternary Taphonomy**

Principal Investigator: Brugal, J.P.

Host institution: Université Aix-Marseille, France

Funder: CNRS

Duration of the project: 01/01/2018 -1/12/2021

**"Gestion des Ressources Naturelles, Environnements et Sociétés"**

Principal Investigator: Claire Delhon

Host institution: University of Nice Sophia Antipolis, Nice, France

Funder: UMR 7264, CNRS-UNS

Duration of the project: 2018-2022

**Hunting Only? Testing the Middle Paleolithic task specific hypothesis through traceology**

Principal Investigator: Gorhen Shanon and **Andreu Ollé**

Host institution: Tell-Hai College, Upper Galilee, Israel

Funder: Irene Levi-Sala CARE Archaeological Foundation

Duration of the project: 2019-2020

**Environment of early hominins outside Africa: the Guadix-Baza Basin**

Principal Investigator: Hervé Bocherens





Host institution: University of Tübingen, Germany

Funder: Leakey Foundation

Duration of the project: 2019-2020

## Research fellowships

### Beatriu de Pinós (BP)

#### **Dental analyses of the first agropastoralists: An integrative approach**

Beneficiary: Beatriz Gamarra

Supervisor: Marina Lozano

Funder: Beatriu de Pinós – MSCA Fellowship

Period: 01/01/2019-31/12/2020

Reference: 2017 BP 00210

#### **Investigating early evidence of transhumance sheep movements in the Central Pyrenees (i-EETS)**

Beneficiary: Carlos Tornero

Supervisor: Florent Rivals

Funder: Beatriu de Pinós – MSCA Fellowship

Period: 01/01/2018-31/12/2019

Reference: 2016 BP 00346

### Ramón y Cajal (RyC)

#### **Paleoambiente, paleoclima y biocronología del Cuaternario en la región Mediterránea mediante el estudio de micromamíferos**

Beneficiary: Juan Manuel López-García

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 01/01/2018 - 31/12/2022

Reference: RYC-2016-19386

### Juan de la Cierva *Formación* (JCF)

#### **Palaeoenvironmental dynamics in the Late Glacial- Early Holocene transition in NE Iberia. Human-environment interaction during Mesolithic**

Beneficiary: Jordi Revelles

Supervisor: Francesc Burjachs

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 01/01/2019 - 31/12/2020

Reference: FJCI-2017-32954



### Juan de la Cierva *Incorporación* (JCI)

#### **Functional and cognitive assessment of percussive tools in Early Palaeolithic assemblages**

Beneficiary: Adrián Arroyo

Supervisor: Andreu Ollé

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 01/01/2019 - 31/12/2020

Reference: IJCI-2017-33342

### Formación de Personal Investigador (FPI)

#### **Momentos de la vida Neandertal: Patrones de comportamiento y arqueología de alta resolución**

Beneficiary: Susana Alonso

Supervisor: Manuel Vaquero

Funder: Ministerio de Economía y Competitividad (MINECO). Gobierno de España

Period: 01/07/2018 - 30/06/2022

Reference: HAR2016 7670-C3-1-

### Formación de Personal Universitario (FPU)

#### **Estudio tafonómico forense sobre restos humanos de cuevas sepulcrales del noreste peninsular entre el VI y III milenio a.C.**

Beneficiary: Miguel Ángel Moreno Ibáñez

Supervisor: Palmira Saladié

Funder: Ministerio de Ciencia, Innovación y Universidades

Period: 30/09/2019 - 30/09/2023

Reference: FPU18/02291

#### **Consolidando huesos: evaluación de la eficacia de nuevos productos en los fósiles de los yacimientos pleistocenos de la Sierra de Atapuerca (Burgos) y del Barranc de la Boella (Tarragona)**

Beneficiary: Andrea Díaz

Supervisor: Eudald Carbonell Roura, Lucía López-Polín

Funder: Ministerio de Educación, Cultura y Deporte

Period: 28/08/2018 – 27/09/2022

Reference: FPU17/05506

#### **Estudio de los cambios en la fisonomía del cráneo y del endocráneo del género *Homo*: implicaciones en la evolución del comportamiento**

Beneficiary: Alfred Suesta

Supervisor: Carlos Lorenzo

Funder: Ministerio de Educación, Cultura y Deporte

Period: 28/08/2018 – 27/09/2022

Reference: FPU17/02716

### Formació de personal Investigador novell (FI-DGR)

#### **Esqueletocronología de anfibios y reptiles: relación del tamaño y patrón de crecimiento con el clima durante el Plio-Pleistoceno en la Península Ibérica**

Beneficiary: Almudena Martínez

Supervisor: Hugues A. Blain

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Period: 01/04/2019 -31/03/2021

Reference: 2019FI\_B 00487

#### **Traceological analysis of mobile toolkits in high-resolution Middle Paleolithic contexts: Abric Romaní (capellades, Barcelona) and Nahal Mahanayem Outlet (Upper Jordan Valley, Israel)**

Beneficiary: Juan Ignacio Martín-Viveros

Supervisor: Andreu Ollé, Gema Chacón and Gonen Sharon

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Period: 01/04/2019 -31/03/2022

Reference: FI\_B 00210

#### **La gestión volumétrica en la talla lítica como indicador de la evolución cognitiva en el Pleistoceno Inferior y Medio**

Beneficiary: Diego Lombao

Supervisor: Marina Mosquera

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Period: 01/03/2018-28/02/2021

Reference: 2018FI\_B\_00364

#### **Interaccions entre homínids i carnívors durant el Plistocè: Neo-Tafonomia de carnívors i la seva implicació en la ecologia dels homínids arcaics, una aproximació a partir del nivell TDW-4 de Gran Dolina (Sierra de Atapuerca, Burgos), la Cova del Toll (Moià, Barcelona) i la Cova de les Llenes (Lleida)**

Beneficiary: Maria Teresa Arilla Osuna

Supervisor: Jordi Rosell

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Period: 01/03/2017 - 28/02/2020

Reference: 2017FI\_B 00286



**Reconstrucció paleoambiental i paleoclimàtica del trànsit paleolític superior final – Edat del Bronze al nord de la Península Ibèrica: els amfibis i rèptils de la cova de El Mirador (Sierra de Atapuerca, Burgos)**

Beneficiary: Josep Francesc Bisbal-Chinesta

Supervisor: Hugues A. Blain

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Period: 01/03/2016 - 28/02/2019

Reference: 2016FI\_B 00286

*Ayudas Fundación Atapuerca*

**Cuna De La Humanidad: Eritrea-Valle Del Rift**

Beneficiary: Tsegai Medin

Supervisor: Eudald Carbonell

Funder: Fundación Atapuerca

Period: 01/01/2018-31/12/2019

**Las actividades de combustion durante la Prehistoria. Una aproximación desde el análisis de los fitolitos y los minerales**

Beneficiary: Aitor Burguet Coca

Supervisor: Ethel Allué

Funder: Fundación Atapuerca

Period: 01/02/2015 – 30/06/2019

## Research granted in 2019

Apart from the above mentioned fellowships, in 2019 other postdoctoral researchers applied for competitive research grants at IPHES, whose incorporation in the center will be effective in 2020:

1. Dr. Sandra Bañuls. Juan de la Cierva – Formación. Ref. FJC2018-038259-I. Scientific in charge: Dr. Florent Rivals.
2. Dr. Marian Berihuete. Beatriu de Pinós “*CHUFA: Characterizing Underground storage organs For Archaeological research. A necessary methodological improvement for the study of gathering practices in Prehistory*” (ref. 2018 BP 00272). Scientific in charge: Dr. Ethel Allué.
3. Nadia Saidani. The Leakey Foundation Baldwin Fellowship. Scientific in charge: Dr. Jordi Agustí.

With regard to participation in research programmes and requests for international funding, in 2019 IPHES researchers participated in European calls, especially Horizon 2020 (ERC Grants, Marie S. Curie actions, societal challenges...), as well as calls from other countries, such as those from the Wenner-Gren Foundation or Gerda Henkel Stiftung.



## Following research career outside IPHES

Concerning predoctoral training, the ongoing professional activities of our doctorates over the almost 40 PhDs graduated between 2015 and 2019, 17 are already developing their research career outside of the centre. It reflects our training capacities, both in scientific terms as well as in so-called transferable skills in order to facilitate to the alumni a broad perspective in his/her professional career. In 2019 the following member continued his/her research outside IPHES:

1. Dr. Patricia Martín Rodríguez, Doctorate at URV on 26<sup>th</sup> November 2015. Current Position: Juan de la Cierva-Formación (FJCI-2016-29045) Fellowship at Universitat de Barcelona (Spain).
2. Dr. Beatriz Menéndez Iglesias, Doctorate at URV on 22<sup>nd</sup> October 2018. Current position: Beca Postdoctoral en Instituto de Investigaciones Antropológicas, UNAM, Mexico. Programa de Becas Postdoctorales de la UNAM, Coordinación de Humanidades, Mexico since 1<sup>st</sup> September 2019 to 31<sup>st</sup> August 2020, extendable to 2021.
3. Dra. Antonella Pedergrana, Doctorate at URV on 12<sup>th</sup> June 2017. Current Position: Postdoctoral Researcher in Use-wear analysis (Pleistocene / Early Holocene Archaeology) TraCEr, Monrepos Archaeological Research Center and Museum for Human Behavioral Evolution. Neuwied, Germany
4. Dr. Pedro Piñero Garcia, Doctorate at URV on 11<sup>th</sup> July 2017. Current position: Beca Postdoctoral de convocatoria general CONICET 2018, Argentina since 10<sup>th</sup> April 2019 to 10<sup>th</sup> April 2021.
5. Dr. Gizéh Rangel de Lázaro, Doctorate at URV on 10<sup>th</sup> April 2018. Current position: Researcher Leverhulme project since 30<sup>th</sup> September 2019-2022. Life-Earth Sciences Department. Natural History Museum.
6. Dr. Antonio Rodríguez, Doctorate at URV on 21<sup>st</sup> October 2015. Current Position: Juan de la Cierva-Incorporación (IJC2018-037447-I) Fellowship at Universidad Complutense de Madrid).
7. Dr. Anna Rufà, Doctorate at URV on 5<sup>th</sup> September 2017. Current Position: Postdoctoral IdEx, Agence Nationale de la Recherche No.–10–IDEX-03-02 Fellowship at Université de Bordeaux (France) PACEA.

## Application for projects and scholarships (granted and pending of resolution)

### Granted

#### **Among stones and Bisons. The lithic assemblage of Gran Dolina TD10-2 (Atapuerca)**

Ph.D. student: Andi3n Arteaga

Host institution: URV / IPHES

Funder: Gobierno de Navarra

#### **Searching for the Pleistocene Hominin Occupation in the Kura-Arax depression and in the Vorotan River Valley (South Caucasus)**

Principal Investigators: Asryan, L., Oll3, A.

Host Institution: Fundaci3n Atapuerca

Funder: Fundaci3n Palarq

#### **Project title: Lower Paleolithic Spheroids Project (LPSP)**

Principal Investigator: Barsky, D.

Host institution: IPHES

Funder: Gerda Henkel Foundation

#### **Conveni de Col·laboraci3n entre L'ajuntament de Caldes de Malavella i l'Institut Catal3 de Paleoecologia Humana i Evolució Social (IPHES) per a la Campanya 2019 d'Excavacions i Recerca al Jaciment del Camp dels Ninots (Caldes de Malavella)**

Principal Investigator: Gerard Campeny and Bruno G3mez de Soler

Host institution: IPHES

Funder: Ajuntament de Caldes de Malavella

#### **Conveni Específic la Guinardera entre l'Institut Catal3 de Paleoecologia Humana i Evolució Social (IPHES) i l'ajuntament de Sant Martí de Tous, Per a l'Any 2019**

Principal Investigator: Josep Vallverdú and Bruno G3mez de Soler

Host institution: IPHES

Funder: Ajuntament de Sant Martí de Tous

#### **Dental microwear analysis as an indicator of the diet in farming populations from recent Pre-history, using multiproxy microscopic techniques**

Ph.D. student: Raquel Hernando

Host institution: IPHES

Funder: Martí I Franquès PhD grant (URV)





**Research stay scholarship**

Ph.D. student: Juan Ignacio Martín-Viveros

Host institution: University of Liège (Belgium)

Funder: Erasmus + (European Union) and University Rovira I Virgili (URV)

**Understanding a threshold in Human evolution at 450-350 ka through the roots of Neanderthal behavior**

Principal Investigator: Marie-Helene Moncel

Host institution: Museum National d'Histoire Naturelle (Paris)

Funder: Agence Nationale de la Recherche (granted, AAPG2019)

**Programa Martí i Franquès d'ajuts a la investigació - Modalitat Predoctoral - 2019-PMF-PIPF**

Principal investigator: Andreu Ollé

Host Institution: IPHES / URV

Funder: URV

**Fotografía científica, fotogrametría y escaneado 3D de materiales arqueopaleontológicos**

Principal Investigator: Andreu Ollé (responsible coordinator)

Beneficiary: Maria Dolors Guillén

Host institution: IPHES

Funder: MINECO (Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I)

**Gestión de las Actividades Científico-Técnicas del Laboratorio de Microvertebrados**

Beneficiary: Mónica Fernández-García

Principal Investigator: Juan Manuel López-García (responsible coordinator)

Host institution: IPHES

Funder: MINECO (Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I)

**Gestión de Colecciones Arqueopaleontológicas**

Beneficiary: Edgar Téllez

Principal Investigator: Núria Ibáñez (responsible coordinator)

Host institution: IPHES

Funder: MINECO (Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I)

**Conservación, Restauración i Reproducciones en 3D de Materiales Arqueopaleontológicos**

Beneficiary: Irene Cazalla

Principal Investigator: Gala Gómez (responsible coordinator)

Host institution: IPHES

Funder: MINECO (Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I)

**Gestión del Laboratorio de Arqueobioquímica**

Beneficiary: Celia Díez-Canseco

Principal Investigator: Florent Rivals and Isabel Expósito (responsible coordinator)

Host institution: IPHES

Funder: MINECO (Ayudas para la promoción de empleo joven e implantación de la garantía juvenil en I+D+I)

**Abric Romani Tunnel**

Principal Investigator: Josep Vallverdú

Host institution: IPHES

Funder: Archaeological Institute of America - AIA Site Preservation Grant

**Projecte bàsic i d'execució projecte bàsic i d'execució itineraris interpretatius d'indrets singulars històrics i arqueològics dels termes de la Febró i Prades (Baix Camp)**

Principal Investigator: Josep Vallverdú

Host institution: Ajuntament de la Febró

Funder: Leader (FEADER) Comissió Europea

**Ayudas de personal técnico de apoyo (PTA) per al laboratori de Geoarqueologia**

Principal Investigator: Josep Vallverdú

Host institution: IPHES

Funder: Ministerio de ciencia, innovación y universidades

**CHUFA: Characterizing Underground storage organs for their Archaeological investigation**

Principal Investigator: Marian Berihuete

Host institution: IPHES

Funder: ERC MCSA

**Pending of resolution**

**Crisis climáticas del Plioceno y del Pleistoceno inferior y su incidencia en la evolución de las comunidades de microvertebrados del Levante español.**

Principal Investigator: Jordi Agustí

Host institution: IPHES

Funder: MINECO

**Neanderthal Behaviour and Paleoecology in Mediterranean Ecosystems**

Principal Investigator: Florent Rivals and Manuel Vaquero

Host institution: IPHES



Funder: Ministerio de Ciencia, Innovación y Universidades.

**Wear Traces on Basalt Tools: an Experimental case for archaeological Interpretation**

Principal Investigator: Asryan, L.

Host institution: University of Liège, Belgium

Funder: MSCA-IF

**Climatic characterization of Quaternary interstadials through the standardization of the Mutual Ecogeographic Range method for quantitative reconstructions (CIMER)**

Principal Investigator: Juan Manuel López-García and Hugues-Alexandre Blain

Host institution: IPHES

Funder: Ministerio de Ciencia, Innovación, y Universidades, Generación del Conocimiento

**3rd MVWG Meeting: new insights in human-faunal interactions and reconstruction of past environments**

Principal Investigator: Juan Manuel López-García and Hugues-Alexandre Blain

Host institution: IPHES

Funder: Fundation Wenner-Gren

**Evolución del poblamiento humano durante el cuaternario en Marruecos Oriental: Aïn Beni Mathar – Guefaït (Provincia de Jerada, Marruecos)**

Principal Investigator: M. Gema Chacón

Host institution: IPHES – Departament de Géologie - Université Mohamed 1r Oujda (Morocco)

Funder: Ministerio de Cultura y Deporte

**Study of faunal and human dispersals in the Mediterranean basin during the Plio-Pleistocene**

Principal Investigator: Bienvenido Martínez-Navarro and Robert Sala

Host institution: IPHES

Funder: Ministerio de Ciencia, Innovación y Universidades

**TECHNOMA: Decrypting the Palaeolithic technological complexity: the universal and the singular gestural patterns in stone tools and tool-making**

Principal Investigator: Marina Mosquera

Host institution: IPHES

Funder: Advance Grant- ERC

**COST action: Integrating Neandertal Legacy: From Past to Present**

Principal Investigator: I. Jankovic

Host institution: Institute for Anthropological Research, Croatia

Funder: European Union

**Dinámicas poblacionales y tecnológicas durante el Pleistoceno final-Holoceno de las Sierras Orientales del Noroeste ibérico**

Principal Investigator: Ramón Fábregas-Valcarce

Host institution: Universidade de Santiago de Compostela

Funder: Ministerio de Ciencia, Innovación y Universidades

**BBVA Becas Leonardo: El pastoreo trashumante en España, generador de lugar y paisaje desde la Prehistoria**

Principal Investigator: Carlos Tornero

Host institution: IPHES

Funder: BBVA

**El paper dels petits emprenedors en l'electrificació de Catalunya: el cas de la central hidroelèctrica del riu glorieta (FASE I)**

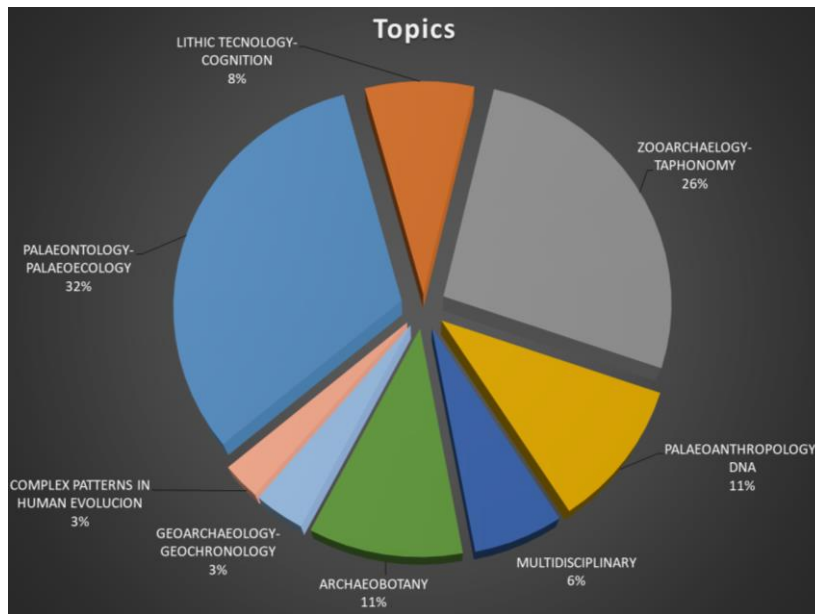
Principal Investigator: Josep Maria Vergès

Host institution: Centre d'Estudis Alcoverencs

Funder: Institut Ramon Muntaner



# Publications



Topics of published papers at 2019 – X. P. Rodríguez

Archaeological and Anthropological Sciences (2019) 11:4387–4396  
<https://doi.org/10.1007/s12520-019-00888-3>

EDITORIAL

The challenges of applying refitting analysis in the Palaeolithic archaeology of the twenty-first century: an actualised overview and future perspectives

Francesca Romagnoli<sup>1</sup> · Manuel Vaquero<sup>2,3</sup>

## LETTER

### Early Pleistocene enamel proteome from Dmanisi resolves *Stephanorhinus* phylogeny

Enrico Cappellini<sup>1,2\*</sup>, Frido Welke<sup>2,3</sup>, Luca Pandolfi<sup>1</sup>, Jazmin Ramos-Madruga<sup>1</sup>, Diana Samodova<sup>4</sup>, Patrick L. Rütger<sup>5</sup>, Anna K. Fotakis<sup>6</sup>, David Lyon<sup>7</sup>, J. Victor Moreno-Mayar<sup>8</sup>, Maia Bukhsianidze<sup>9</sup>, Rosa Rakovnikow-Jerise-Christensen<sup>10</sup>, Meaghan Mackie<sup>11</sup>, Aurelien Ginolhac<sup>12</sup>, Reid Ferring<sup>13</sup>, Martha Tappon<sup>14</sup>, Eleftheria Palopoulou<sup>15</sup>, Marc R. Dickinson<sup>16</sup>, Thomas W. Stafford Jr.<sup>17</sup>, Yvonne L. Chaz<sup>18</sup>, Anders Götherström<sup>19</sup>, Senthilvelu K. S. S. Nairan<sup>20</sup>, Dieter D. Heintzenheim<sup>21</sup>, Joshua D. Kapp<sup>22</sup>, Irma Kirilova<sup>23</sup>, Yohan Moolleu<sup>24</sup>, Jordi Agustí<sup>25</sup>, Ralf-Dietrich Kahle<sup>26</sup>, Gocha Kiladze<sup>27</sup>, Bienvenido Martínez-Navarro<sup>28,29</sup>, Shantli Liu<sup>30</sup>, Marcela Sandoval Velasco<sup>31</sup>, Mikkel-Holger S. Sinding<sup>32</sup>, Christian D. Koenig<sup>33</sup>, Morten E. Allentoft<sup>34</sup>, Ludovic Orlando<sup>35</sup>, Kirsty Penkman<sup>36</sup>, Beth Shapiro<sup>37,38</sup>, Lorenzo Rook<sup>39</sup>, Love Dalén<sup>40</sup>, M. Thomas P. Gilbert<sup>27</sup>, Jesper V. Olsen<sup>41</sup>, David Lordkipanidze<sup>42</sup> & Eske Willerslev<sup>43,44,45</sup>

where the reconstruction of the social and economic situation of reindeer hunter communities was all refits (Leroi-Gourhan and Brezillon 1966, 1972), early years, refitting analysis was not only in European studies, for example at Gömörerford (Bosinski 1975), but also in Africa (Victoria I also from Noton 1071) and



Contents lists available at ScienceDirect

Review of Palaeobotany and Palynology

journal homepage: [www.elsevier.com/locate/revpalbo](http://www.elsevier.com/locate/revpalbo)

Contents lists available at ScienceDirect

Journal of Archaeological Science

journal homepage: [www.elsevier.com/locate/jas](http://www.elsevier.com/locate/jas)

### A taphonomic approach to the pollen assemblage from layer M of the Abric Romani archaeological site (NE Iberian Peninsula)

Cristina Val-Peón<sup>a,\*</sup>, Isabel Expósito<sup>b,c</sup>, María Soto<sup>d</sup>, Francesc Burjachs<sup>e,b,c</sup>

<sup>a</sup> Institute of Neotectonics and Natural Hazards, RWTH Aachen University, Lochenerstrasse 4-20, 52056 Aachen, Germany  
<sup>b</sup> Institut Català de Paleontologia Humana i Evolució Social (IPHES), Campus Sescelades URV, Edifici W3, 43007 Tarragona, Catalonia, Spain  
<sup>c</sup> Área de Prehistoria, Universitat Rovira i Virgili (URV), Av. Catalunya 35, 43002 Tarragona, Catalonia, Spain  
<sup>d</sup> Department of Anthropology and Archaeology, 2500 University Drive NW, University of Calgary, Calgary, AB T2N 1N4, Canada

### The TD6.3 faunal assemblage of the Gran Dolina site (Atapuerca, Spain): a late Early Pleistocene hyena den

Palmira Saladié<sup>a,b,c,d</sup>, Paloma Fernández<sup>e</sup>, Antonio Rodríguez-Hidalgo<sup>f,g</sup>, Rosa Huguet<sup>a,b,h</sup>, Antonio Pineda<sup>a,b</sup>, Isabel Cáceres<sup>a,b</sup>, Juan Marín<sup>h</sup>, Josep Vallverdú<sup>a,b,c</sup> and Eudald Carbonell<sup>a,b,i</sup>

<sup>a</sup>Institut Català de Paleontologia Humana i Evolució Social (IPHES), Tarragona, Spain; <sup>b</sup>Àrea de Prehistòria, Universitat Rovira i Virgili, Tarragona, Spain; <sup>c</sup>Unit Associated to CSIC, Departamento de Paleobiología, Museo Nacional d Cier História do Centro de Geociências (ulandD 73 e FCT), Mação, Portugal; <sup>d</sup>Programa de D Prehistória, Complutense University, Madrid, Spain; <sup>e</sup>Institute of Evolution in Africa (IDE de Paleontologie Humaine, Paris, France; <sup>f</sup>Institute of Vertebrate Paleontology and Palaeoanthropology, University of Toronto, Toronto, Canada

### The influence of climate on morphometric traits of fossil populations of *Microtus arvalis* and *M. agrestis* from the Carpathian Basin, northern Hungary

ELISA LUZI<sup>a</sup>, PIROSKA PAZONYI AND JUAN MANUEL LÓPEZ-GARCÍA

## LETHAIA

Luzi, E., Pazonyi, P., López-García, J. M. 2019: The influence of morphometric traits of fossil populations of *Microtus arvalis* and *M. agrestis* from the Carpathian Basin, northern Hungary. *Lethaia*, Vol. 52, pp. 123–132.

## SCIENTIFIC REPORTS

### Combined dental wear and cementum analyses in ungulates reveal the seasonality of Neanderthal occupations in Covalejos Cave (Northern Iberia)

Carlos Sánchez-Hernández<sup>1,2,3</sup>, Lionel Gourichon<sup>4</sup>, Eric Pubert<sup>5</sup>, William Rendu<sup>6</sup>, Ramón Montes<sup>7</sup> & Florent Rivals<sup>1,2,3,4</sup>

We propose for the first time the use of the combination of two high-resolution techniques, dental (meso- and microwear) and dental cementum analyses, to gain a better understanding of Neanderthal subsistence strategies and occupational patterns. Dental wear analysis provides information not only on ungulate palaeodiet and palaeoenvironments but also on hunting time and seasons. Dent

### Tumbling effects on bone surface modifications (BSM): An experimental application on archaeological deposits from the Barranc de la Boella site (Tarragona, Spain)

Antonio Pineda<sup>a,b,\*</sup>, Isabel Cáceres<sup>b,h</sup>, Palmira Saladié<sup>a,b,c,d</sup>, Rosa Huguet<sup>a,b,d</sup>, Juan I. Morales<sup>e</sup>, Antonio Rosas<sup>f</sup>, Josep Vallverdú<sup>a,b,d</sup>

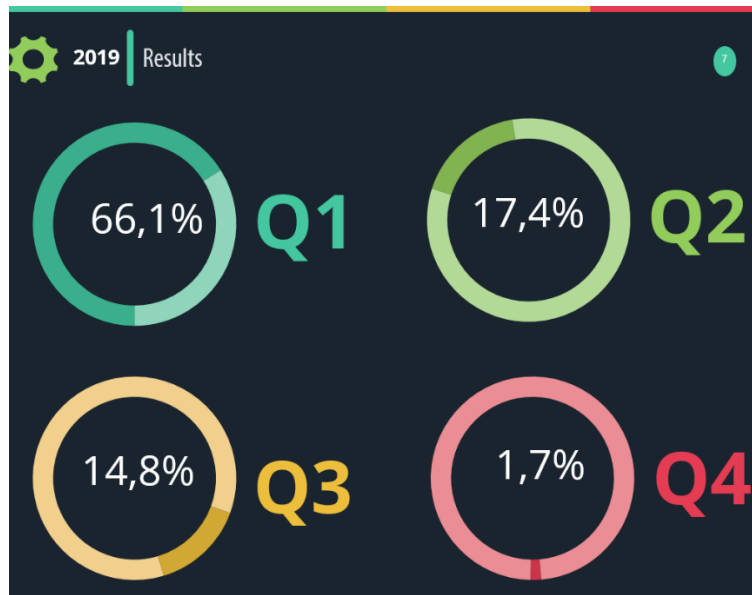
<sup>a</sup> Institut Català de Paleontologia Humana i Evolució Social (IPHES), Tarragona, Spain; <sup>b</sup> Àrea de Prehistòria, Universitat Rovira i Virgili (URV), Tarragona, Spain; <sup>c</sup> Institut de Ciències del Fòssil, Universitat de València, Burjassot, Spain; <sup>d</sup> Institut de Ciències del Fòssil, Universitat de València, Burjassot, Spain; <sup>e</sup> Institut de Ciències del Fòssil, Universitat de València, Burjassot, Spain; <sup>f</sup> Institut de Ciències del Fòssil, Universitat de València, Burjassot, Spain

### The genomic history of the Iberian Peninsula over the past 8000 years

Iñigo Olalde<sup>1</sup>, Swapan Mallick<sup>1,2,3</sup>, Nick Patterson<sup>4</sup>, Nadin Rohland<sup>5</sup>, Vanessa Vilalba-Monco<sup>6</sup>, Marina Silva<sup>7</sup>, Katharina Dillies<sup>8</sup>, Cedric Borgeaux-Chavez<sup>9</sup>, Nicole Adamski<sup>10</sup>, Naureen Broomandkhoshbakh<sup>11</sup>, Olivia Cheronet<sup>12</sup>, Brendan J. Culleton<sup>13</sup>, Daniel Fernandes<sup>14,15</sup>, Ann Marie Lawson<sup>16</sup>, Matthew Mah<sup>17,18</sup>, Jonas Oppenheimer<sup>19</sup>, Kristin Stewardson<sup>20</sup>, Zhao Zhang<sup>21</sup>, Juan Manuel Jiménez Arenaza<sup>22,23,24</sup>, Iñigo J. Martínez-Cerdá<sup>25</sup>, Domingo C. Salazar-García<sup>26</sup>, Pere Castanyer<sup>27</sup>, Marta Santos<sup>28</sup>, Joaquim Tremoleda<sup>29</sup>, Marina Lozano<sup>30,31</sup>, Pablo García Borja<sup>32</sup>, Javier Fernández-Eraso<sup>33</sup>, José Antonio Mujika-Alustiza<sup>34</sup>, Cecilio Barroso<sup>35</sup>, Francisco J. Bermúdez<sup>36</sup>, Enrique Viguera Miguélez<sup>37</sup>, Josep Burch<sup>38</sup>, Neus Caramina<sup>39</sup>, David Vilella<sup>40</sup>, Artur Cebalá<sup>41</sup>, Josep Maria Fullola<sup>42</sup>, Oreste Garcia-Fachal<sup>43</sup>, Juan Ignacio Morales<sup>44</sup>, F. Xavier Oms<sup>45</sup>, Tona Majó<sup>46</sup>, Josep Maria Vergés<sup>47,48</sup>, Antònia Díaz-Carvajal<sup>49</sup>, Imma Ollich-Castanyer<sup>50</sup>, F. Javier López-Cachero<sup>51</sup>, Ana María Silva<sup>52,53,54</sup>, Carmen Alonso-Fernández<sup>55</sup>, Germán Delibes de Castro<sup>56</sup>, Javier Jiménez-Echevarría<sup>57</sup>, Adolfo Moreno-Márquez<sup>58,59</sup>, Guillermo Pascual Berlanga<sup>60</sup>, Pablo Ramos-García<sup>61</sup>, Ángel Esparza Arroyo<sup>62</sup>, Katina T. Lilios<sup>63</sup>, Jennifer Mack<sup>64</sup>, Javier Velasco-Vázquez<sup>65</sup>, Anna Waterman<sup>66</sup>, Luis Benítez de Lugo Enrich<sup>67,68</sup>, María Benito Sánchez<sup>69</sup>, Bihlana Agosti<sup>70</sup>, Ferran Codina<sup>71</sup>, Gabriel de Prada<sup>72</sup>, Almudena Estalrich<sup>73</sup>, Álvaro Fernández Flores<sup>74</sup>, Chloé Finlayson<sup>75,76,77,78</sup>, Geraldine Finlayson<sup>79,80,81,82</sup>, Stewart Finlayson<sup>83,84</sup>, Francisco Gilez-Guzmán<sup>85</sup>, Antonio Rosas<sup>86</sup>, Virginia Barcala González<sup>87</sup>, Gabriel García Allén<sup>88,89</sup>, Mauro S. Hernández Pérez<sup>90,91</sup>, Aramundo Llano<sup>92</sup>, Yolanda Carrón-Marín<sup>93</sup>, Isabel Cullido Benito<sup>94</sup>, David López-Serrano<sup>95</sup>, Mario Sanz Torralba<sup>96</sup>, Antonio C. Valera<sup>97</sup>, Concepción Elíasco<sup>98</sup>, Corina Lissas<sup>99</sup>, Patricia Rios<sup>100</sup>, Joan Daura<sup>101</sup>, María Jesús de Pedro Michó<sup>102</sup>, Agustín A. Díez-Castillo<sup>103</sup>, Raül Flores Fernández<sup>104</sup>, Joan Francis Farré<sup>105</sup>, Rafael Garrido-Pena<sup>106</sup>, Victor S. Gonçalves<sup>107</sup>, Elisa Guerra-Doce<sup>108</sup>, Ana Mercedes Herrero-Cervera<sup>109</sup>, Joaquín Juan-Caballero<sup>110</sup>, Daniel López-Beyes<sup>111</sup>, Sarah B. McClure<sup>112</sup>, Marta Merino Pérez<sup>113</sup>, Arturo Oliver Fois<sup>114</sup>, Montserrat Sanz Borrás<sup>115</sup>, Ana Catarina Sousa<sup>116</sup>, Julio Manuel Vidal Encinas<sup>117</sup>, Douglas J. Kennen<sup>118</sup>, Martin B. Richards<sup>119</sup>, Kurt Werner AH<sup>120</sup>, Wolfgang Haak<sup>121</sup>, Ron Pinhasi<sup>122</sup>, Carlos Lalueza-Fox<sup>123</sup>, David Reich<sup>124,125</sup>

We assembled genome-wide data from 271 ancient Iberians, of whom 176 are from the largely unsampled period after 2000 BCE, thereby providing a high-resolution time transect of the Iberian Peninsula. We document high genetic substructure between northwestern and southeastern hunter-gatherers before the spread of farming. We reveal sporadic contacts between Iberia and North Africa by ~2500 BCE and, by ~2000 BCE, the admixture of 40% of Iberia's ancestry and nearly 100% of its Y-chromosomes by people

Some relevant IPHES publications in 2019



Distribution of IPHES publications according to the quartile of the journals – X. P. Rodríguez

| Journal                                           | papers |       |
|---------------------------------------------------|--------|-------|
| Quaternary Science Reviews                        | 19     | 16,5% |
| Archaeological and Anthropological Sciences       | 14     | 12,2% |
| Quaternary International                          | 14     | 12,2% |
| Scientific Reports                                | 8      | 7,0%  |
| Journal of Archaeological Science                 | 5      | 4,3%  |
| Historical Biology                                | 5      | 4,3%  |
| Journal of Human Evolution                        | 4      | 3,5%  |
| Palaeogeography, Palaeoclimatology, Palaeoecology | 4      | 3,5%  |
| C R Palevol                                       | 3      | 2,6%  |
| International Journal of Osteoarchaeology         | 3      | 2,6%  |

Journal with more than two publication by IPHES in 2019 – X. P. Rodríguez

| Journal                                                 | IF (2018) | Papers 2019 | Research Field (ISI)   | Journal Ranking (2018) | Quartile (2018) | Decile (2018) |
|---------------------------------------------------------|-----------|-------------|------------------------|------------------------|-----------------|---------------|
| Nature                                                  | 43,070    | 1           | Mutidisciplinary       | 1/69                   | 1               | 1             |
| Science                                                 | 41,037    | 2           | Mutidisciplinary       | 2/69                   | 1               | 1             |
| Science Advances                                        | 12,804    | 2           | Mutidisciplinary       | 4/69                   | 1               | 1             |
| Nature Communications                                   | 11,878    | 1           | Mutidisciplinary       | 5/59                   | 1               | 1             |
| Earth-Science Reviews                                   | 9,53      | 1           | Geosciences, Multid.   | 3/195                  | 1               | 1             |
| Science of The Total Environment                        | 5,589     | 1           | Environmental Sciences | 27/250                 | 1               | 2             |
| Geology                                                 | 5,006     | 1           | Geology                | 1/46                   | 1               | 1             |
| Quaternary Science Reviews                              | 4,641     | 19          | Geosciences, Multid.   | 13/196                 | 1               | 1             |
| Proceedings of the Royal Society B: Biological Sciences | 4,304     | 1           | Biology                | 11/87                  | 1               | 2             |
| Scientific Reports                                      | 4,011     | 8           | Mutidisciplinary       | 15/69                  | 1               | 3             |

IPHES publications in journals with highest impact factor in 2019 – X. P. Rodríguez



## Articles in peer reviewed journals with impact factor (JCR), indexed by Web of Science (WOS)

**Agustí, J.** and Lordkipanidze, D., (2019). An alternative scenario for the first human dispersal out of Africa. *L'Anthropologie*, 123 (4-5): 682-687.

Aramendi, J., Arriaza, M.C., Yravedra, J., Maté-González, M.Á., Ortega, M.C., **Courtenay, Ll. A.**, González-Aguilera, D., Gidna, A., Mabulla, A., Baquedano, E. and Domínguez-Rodrigo, M., (2019). Who ate OH80 (Olduvai Gorge, Tanzania)? A geometric-morphometric analysis of surface bone modifications of a *Paranthropus boisei* skeleton. *Quaternary International*, 517: 118-130.

**Arilla, M., Rosell, J.**, and Blasco, R. (2019). Contributing to characterise wild predator behaviour: consumption pattern, spatial distribution and bone damage on ungulate carcasses consumed by red fox (*Vulpes vulpes*). *Archaeological and Anthropological Sciences*, 11 (5): 2271–2291.

Arnold, L. J., Demuro, M., Spooner, N. A., Prideaux, G. J., McDowell, M. C., Camens, A. B., Reed, E. H., Parés, J. M., Arsuaga, J. L., Bermúdez de Castro, J. M. and **Carbonell, E.** (2019). Single-grain TT-OSL bleaching characteristics: Insights from modern analogues and OSL dating comparisons. *Quaternary Geochronology*, 49: 45-51.

Baena, J., Carrión, E., Torres Navas, C. and **Vaquero, M.** (2019). Mousterian inside the upper Paleolithic? The last interval of El Esquilleu (Cantabria, Spain) sequence. *Quaternary International*, 508: 153-163.

**Barsky, D.**, Moigne, A.M. and Pois, V. (2019). The shift from typical Western European Late Acheulian to microproduction in unit 'D' of the late Middle Pleistocene deposits of the Caune de l'Arago (Pyrénées-Orientales, France). *Journal of Human Evolution*, 135: 102650.

Berto, C., **López-García, J.M.** and Luzi, E. (2019). Changes in the Late Pleistocene small-mammal distribution in the Italian Peninsula. *Quaternary Science Reviews*, 225: 106019.

Biltekin, D., **Burjachs, F., Vallverdú, J.**, Sharp, W.D., Mertz-Kraus, R., **Chacón, M.G., Saladié, P.**, Bischoff, J.L. and **Carbonell, E.** (2019). Vegetation and climate record from Abric Romaní (Capellades, Catalonia, Spain) during the Up-per Pleistocene (MIS 5d-3). *Quaternary Science Reviews*, 220: 154-164.

Bini, M., Zanchetta, G., Perşoiu, A., Cartier, R., Català, A., Cacho, I., Dean, J.R., Rita, F.D., Drysdale, R.N., Finnè, M., Isola, I., Jalali, B., Lirer, F., Magri, D., Masi, A., Marks, L., Mercuri, A.M., Peyron, O., Sadori, L., Sicre, M.-A., Welc, F., Zielhofer, C. and **Brisset, E.** (2019). The 4.2 ka BP Event in the Mediterranean region. *Climate of the Past*, 15: 555–577.

**Blain, H.A.** and Bailon, S. (2019). Extirpation of *Ophisaurus* (Anguimorpha, Anguidae) in Western Europe in the context of the disappearance of subtropical ecosystems at the Early-Middle Pleistocene transition. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 520: 96-113.

**Blain, H.-A., Bisbal-Chinesta, J.F., Martínez-Monzón, A.,** Panera, J., Rubio-Jara, S., Uribelarra, D., Yravedra Saínz de los Terreros, J. and Pérez-González, A. (2019). The middle to Late Pleistocene herpetofaunal assemblages from the Jarama and Manzanares valleys (Madrid, central Spain): An ecological synthesis. *Quaternary International*, 520: 49-53.

**Blain, H.A.,** Fagoaga, A., Ruíz-Sánchez, F.J., **Bisbal-Chinesta, J.F.** and Delfino, M. (2019). Lastet Villafranchian climate and landscape reconstruction at Pirro Nord (southern Italy). *Geology*, 47: 829-832.

**Blain, H.-A., Martínez Monzón, A., López-García, J.M., Lozano-Fernández, I.** and Folie, A. (2019). Amphibians and squamate reptiles from the latest Pleistocene of the “Caverne Marie-Jeanne” (Hastièrre-Lavaux, Namur): systematics, paleobiogeography, and paleoclimatic and paleoenvironmental reconstructions. *Comptes-Rendus Palevol*, 18: 849-875.

Blasco, R., **Rosell, J., Arilla, M.,** Margalida, A., Villalba, D., Gopher, A. and Barkai, R. (2019). Bone marrow storage and delayed consumption at Middle Pleistocene Qesem Cave, Israel (420 to 200 ka). *Science Advances*, 5: eaav9822.

Blasco, R., **Rosell, J.,** Sánchez-Marco, A., Gopher, A. and Barkai, R. (2019). Feathers and food: Human-bird interactions at Middle Pleistocene Qesem Cave, Israel. *Journal of Human Evolution*, 136: 102653.

Blinkhorn, J., Ajithprasad, P., **Mukherjee, A.,** Kumar, P., Durcan, J.A. and Roberts, P., (2019). The first directly dated evidence for Palaeolithic occupation on the Indian coast at Sandhav, Kachchh. *Quaternary Science Reviews*, 224: 105975.

**Brisset, E.,** Djamali, M., Bard, E., Borschneck, D., Gandouin, E., Garcia, M., Stevens, L. and Tachikawa, K. (2019). Late Holocene hydrology of Lake Maharlou, southwest Iran, inferred from high-resolution sedimentological and geochemical analyses. *Journal of Paleolimnology*, 61: 111–128.

**Bucchi, A., Burguet-Coca, A., Expósito, I.,** Aceituno Bocanegra, F. J. and **Lozano, M.** (2019). Comparisons between methods for analyzing dental calculus samples from El Mirador cave (Sierra de Atapuerca, Spain). *Archaeological and Anthropological Sciences*, 11: 6305–6314.

Cappellini, E., Welker, F., Pandolfi, L., Ramos-Madrigal, J., Samodova, D., Rütther, P.L., Fotakis, A.K., Lyon, D., Moreno-Mayar, V.J., Bukhsianidze, M., Jersie-Christensen, R.R., Mackie, M., Ginolhac, A., Ferring, R., Tappen, M., Palkopoulou, E., Dickinson, M.R., Stafford Jr, T.W., Chan,





Y.L., Götherström, A., Nathan, S., Heintzman, P.D., Kapp, J.D., Kirillova, I., Moodley, Y., **Agusti, J.**, Kahlke, R.D., Kiladze, G., **Martínez-Navarro, B.**, Liu, S., Sandoval Velasco, M., Sinding, M.H., Kelstrup, C.D., Allentoft, M.E., Orlando, L., Penkman, K., Shapiro, B., Rook, L., Dalén, L., Gilbert, M.T., Olsen, J.V., Lordkipanidze, D. and Willerslev, E. (2019). Early Pleistocene enamel proteome from Dmanisi resolves *Stephanorhinus* phylogeny. *Nature*, 574: 103–107.

Cartier, R., Sylvestre, F., Paillès, C., Sonzogni, C., Couapel, M., Alexandre, A., Mazur, J.-C., **Brisset, E.**, Miramont, C. and Guiter, F. (2019). Diatom-oxygen isotope record from high-altitude Lake Petit (2200 m a.s.l.) in the Mediterranean Alps: shedding light on a climatic pulse at 4.2 ka. *Climate of the Past*, 15: 253–263.

Chelli Cheheb, R., Arzarello, M., Arnaud, J., Berto, C., **Cáceres, I.**, Caracausi, S., Colopi, F., Daffara, S., Canini, G.M., **Huguet, R.**, Karamatsou, T., Sala, B., Zambaldi, M. and Berruti, G.L.F. (2019). Human behavior and *Homo*-mammal interactions at the first European peopling: new evidence from the Pirro Nord site (Apricena, Southern Italy). *The Science of Nature*, 106: 16.

Conde-Valverde, M., Martínez, I., Quam, R.M., Bonmatí, A., **Lorenzo, C.**, Velez, A.D., Martínez-Calvo, C. and Arsuaga, J.L. (2019). The cochlea of the Sima de los Huesos hominins (Sierra de Atapuerca, Spain): New insights into cochlear evolution in the genus *Homo*. *Journal of Human Evolution*, 136: 102641.

Conde-Valverde, M., Rosa, M., Martínez, I., Marchamalo, J., Pantoja-Pérez, A., Quam, R., **Lorenzo, C.**, Gracia-Téllez, A., García-Fernández, A., Arsuaga, J.L. and Rivera-Rodríguez, T. (2019). A revision of the conductive hearing loss in Cranium 4 from the Middle Pleistocene site of Sima de los Huesos (Burgos, Spain). *Journal of Human Evolution*, 135: 102663.

Connolly, R., Jambrina Enríquez, M., Herrera Herrera, A. V., Vidal Matutano, P., Fagoaga, A., Marquina Blasco, R., Marín Monfort, M.D., Ruiz Sánchez, F.J., Laplana, C., Bailon, S., **Pérez, L.**, Leierer, L., Hernández, C.M., Galván, B. and Mallol, C. (2019). A multiproxy record of palaeoenvironmental conditions at the Middle Palaeolithic site of Abric del Pastor (Eastern Iberia). *Quaternary Science Reviews*, 225: 106023.

**Courtenay, Ll. A.**, Yravedra, J., **Huguet, R.**, **Ollé, A.**, Aramendi, J., Maté-González, M.A. and González-Aguilera, D. (2019). New taphonomic advances in 3D digital microscopy: A morphological characterisation of trampling marks. *Quaternary International*, 517: 55-66.

**Courtenay, Ll. A.**, Yravedra, J., Aramendi, J., Maté-González, M.Á., Martín-Perea, D.M., Uribebarrea, D., Baquedano, E., González-Aguilera, D., Domínguez-Rodrigo, M. (2019). Cut marks and raw material exploitation in the lower pleistocene site of Bell's Korongo (BK, Olduvai Gorge, Tanzania): A geometric morphometric analysis. *Quaternary International*, 526: 155-168.

**Courtenay, Ll. A.**, Yravedra, J., **Huguet, R.**, Aramendi, J., Maté-González, M.A., González-Aguilera, D. and Arriaza, M.C. (2019). Combining machine learning algorithms and geometric morphometrics: A study of carnivore tooth marks. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 522: 28-39.

**Cueva-Temprana, A., Lombao, D.**, Morales, J. I., Geribàs, N., and **Mosquera, M.** (2019). Gestures During Knapping: A Two-perspective Approach to Pleistocene Technologies. *Lithic Technology*, 44:2, 74-89.

Daujeard, C., Vettese, D., Britton, K., Béarez, P., Boulbes, N., Crégut-Bonnoure, E., Desclaux, E., Lateur, N., Pike-Tay, A., **Rivals, F., Allué, E., Chacón, M.G.**, Courty, M.-A., Gallotti, R., Hardy, B., Puaud, S. and Moncel, M.-H. (2019). Neanderthal selective hunting of reindeer? The case study of Abri du Maras (south-eastern France). *Archaeological and Anthropological Sciences*: 11: 985-1011.

Doerschner, N., Fitzsimmons, K. E., Blasco, R., Finlayson, G., Rodríguez-Vidal, J., **Rosell, J.**, Hublin, J.-J. and Finlayson, C. (2019). Chronology of the Late Pleistocene archaeological sequence at Vanguard Cave, Gibraltar: Insights from quartz single and multiple grain luminescence dating'. *Quaternary International*, 501 (Part B): 289-302.

Domínguez García, Á.C., Laplana, C., Sevilla, P., **Blain, H.-A.**, Zumajo, N.P. and Benítez de Lugo Enrich, L., (2019). New data on the introduction and dispersal process of small mammals in southwestern Europe during the Holocene: Castillejo del Bonete site (southeastern Spain). *Quaternary Science Reviews*, 225: 106008.

Domínguez-Rodrigo, M., **Saladié, P., Cáceres, I., Huguet, R.**, Yravedra, J., Rodríguez-Hidalgo, A., Martí, P., **Pineda, A.**, Marín, J., Gené, C., Aramendi, J. and Cobo-Sánchez, L. (2019). Spilled ink blots the mind: A reply to Merrit et al. (2019) on subjectivity and bone surface modifications. *Journal of Archaeological Science*, 102: 80–86.

Espigares, M.P., Palmqvist, P., Guerra-Merchán, A., Ros-Montoya, S., García-Aguilar, J.M., Rodríguez-Gómez, G., Serrano, F.J. and **Martínez-Navarro, B.** (2019). The earliest cut marks of Europe: a discussion on hominin subsistence patterns in the Orce sites (Baza basin, SE Spain). *Scientific Reports*, 9: 15408.

Fábregas Valcarce, R., Faustino Carvalho, A., **Lombera-Hermida, A. de**, Cubas, M., Lucquin, A., Edward Craig, O. and **Rodríguez-Álvarez, X.P.** (2019). Vaso con decoración cardial de Cova Eirós (Triacastela, Lugo). *Trabajos de Prehistoria*, 76: 147-160.

Fagoaga, A., **Blain, H.-A.**, Marquina-Blasco, R., Laplana, C., Sillero, N., Hernández, C.M., Mallol, C., Galván, B. and Ruiz-Sánchez, F.J., (2019). Improving the accuracy of small vertebrate-based



palaeoclimatic reconstructions derived from the Mutual Ecogeographic Range. A case study using geographic information systems and UDA-ODA discrimination methodology. *Quaternary Science Reviews*, 223: 105969.

Fernández-García, M., Royer, A., **López-García, J.M.**, Bennasar, M., Goedert, J., Fourel, F., Julien, M.-A., Bañuls-Cardona, S., **Rodríguez-Hidalgo, A.**, **Vallverdú, J.** and Lecuyer, C. (2019). Unravelling the oxygen isotope signal ( $\delta^{18}O$ ) of rodent teeth from northeastern Iberia, and implications for past climate reconstructions. *Quaternary Science Reviews*, 218: 107-121

**Fernández-López de Pablo, J.**, Gutiérrez-Roig, M., **Gómez-Puche, M.**, **McLaughlin, R.**, Silva, F. and **Lozano, S.** (2019). Palaeodemographic modeling supports a population bottleneck during the Pleistocene-Holocene transition in Iberia. *Nature Communications*, 10: 1872.

Fyfe, R., Woodbridge, J., Palmisano, A., Bevan, A., Shennan, S., **Burjachs, F.**, Legarra-Herrero, B., García-Puchol, O., Carrión, J., **Revelles, J.** and Roberts, N. (2019). Prehistoric palaeodemographics and regional land cover change in eastern Iberia. *The Holocene*, 29: 799-815.

Galán, J., Núñez-Lahuerta, C., Moya-Costa, R., **López-García, J.M.** and Cuenca-Bescós, G. (2019). Fossil bat assemblages as palaeoenvironmental and palaeoclimatic indicators: A case study in the Lower to Middle Pleistocene Gran Dolina sequence of Sierra de Atapuerca, Northern Spain. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 535: 109365.

Galán, J., Núñez-Lahuerta, C., Sauqué, V., Cuenca-Bescós, G. and **López-García, J.M.** (2019). Cranial Biometrics of the Iberian *Myotis myotis*/*Myotis blythii* Complex: New Data for Studying the Fossil Record. *Journal of Mammalian Evolution*, 26: 333-334.

Galán, J., Núñez-Lahuerta, C., **López-García, J.M.** and Cuenca-Bescos, G. (2019). Did humans disturb bats? Exploring the hominin-chiropter interactions in the Sierra de Atapuerca sites (early to Middle Pleistocene, Spain). *Quaternary Science Reviews*, 226: 106018.

García-Medrano, P., **Ollé, A.**, Ashton, N. and Roberts, M.B. (2019). The Mental Template in Handaxe Manufacture: New Insights into Acheulean Lithic Technological Behavior at Boxgrove, Sussex, UK. *Journal of Archaeological Method and Theory*: 26, 396–422.

Giguet-Covex, C., Ficotola, G.F., Walsh, K., Poulénard, J., Bajard, M., Fouinat, L., Sabatier, P., Gielly, L., Messenger, E., Develle, A.L., David, F., Taberlet, P., **Brisset, E.**, Guiter, F., Sinet, R. and Arnaud, F. 2019. New insights on lake sediment DNA from the catchment: importance of taphonomic and analytical issues on the record quality. *Scientific Reports* 9: 1–21.

González-Fortes, G., Tassi, F., Trucchi, E., Henneberger, K., Pajmans, J. L. A., Díez-del-Molino, D., Schroeder, H., Susca, R. R., Barroso-Ruíz, C., Bermudez, F. J., Barroso-Medina, C., Bettencourt,

A. M. S., Sampaio, H. A., Grandal-d'Anglade, A., Salas, A., Lombera-Hermida, A. de, Fabregas Valcarce, R., **Vaquero, M., Alonso, S., Lozano, M., Rodríguez-Alvarez, X. P.**, Fernández-Rodríguez, C., Manica, A., Hofreiter, M. and Barbujani, G. (2019). A western route of prehistoric human migration from Africa into the Iberian Peninsula. *Proceedings of the Royal Society B*, 286: 20182288.

Guédron, S., Tolu, J., **Brisset, E.**, Sabatier, P., Perrot, V., Bouchet, S., Develle, A.L., Bindler, R., Cossa, D., Fritz, S.C. and Baker, P.A. (2019). Late Holocene volcanic and anthropogenic mercury deposition in the western Central Andes (Lake Chungará, Chile). *Science of the Total Environment*, 662: 903–914.

Jiménez-Manchón, S., Valenzuela-Lams, S., **Cáceres, I.**, Orengo, H., Gardeisen, A., López, D. and **Rivals, F.** (2019). Reconstruction of Caprine Management and Landscape Use Through Dental Microwear Analysis: The Case of the Iron Age Site of El Turó de la Font de la Canya (Barcelona, Spain). *Environmental Archeology*, 24: 303-316.

Jordana, X., Malgosa, A., Casté, B. and **Tornero, C.** (2019). Lost in transition: The dietary shifts from Late Antiquity to the Early Middle Ages in the North Eastern Iberian Peninsula, *Archaeological and Anthropological Sciences*, 11: 3751–3763.

Krijgsman, W., Tesakov, A., Yanina, T., Lazarev, S., Danukalova, G., van Baak, C. G.C., **Agusti, J.**, Alçiçek, M.C., Aliyeva, E., Bista, D., Bruch, A., Büyükmeriç, Y., Bukhsianidze, M., Flecker, R., Frolov, P., Hoyle, T.M., Jorissen, E.L., Kirscher, U., Koriche, S.A., Kroonenberg, S.B., Lordkipanidze, D., Oms, O., Rausch, L., Singarayer, Joy., Stoica, M., van de Velde, S., Titov, V.V. and Wesselingh, F. P. (2019). Quaternary time scales for the Pontocaspian domain: Interbasinal connectivity and faunal evolution. *Earth-Science Reviews*, 188: 1-40.

Krueger, K.L., **Willman, J.C.**, Matthews, G.J., Hublin, J.J. and Pérez-Pérez, A. (2019). Anterior tooth-use behaviors among early modern humans and Neandertals. *PLOS ONE*, 14:e0224573.

Linares-Matás, G.J., Yravedra, J., Maté-González, M.Á., **Courtenay, Li. A.**, Aramendi, J., Cuartero, F. and González-Aguilera, D., (2019). A geometric-morphometric assessment of three-dimensional models of experimental cut-marks using flint and quartzite flakes and handaxes. *Quaternary International*, 517: 45-54.

**Lombao, D.; Cueva-Temprana, A.; Rabuñal, J.R.;** Morales, J.I. and **Mosquera, M.** (2019). The effects of blank size and knapping strategy on the estimation of core's reduction intensity. *Archaeological and Anthropological Sciences*, 11: 5445.



**López-García, J.M.,** Berto, C. and Peresani, M. (2019). Environmental and climatic context of the hominin occurrence in northeastern Italy from the late Middle to Late Pleistocene inferred from small-mammal assemblages. *Quaternary Science Reviews*, 216: 18-33.

**López-Ortega, E., Rodríguez-Álvarez, X. P., Ollé, A. and Lozano, S.** (2019). Lithic refits as a tool to reinforce postdepositional analysis. *Archaeological and Anthropological Sciences*, 11: 4555–4568.

**Lozano-Fernandez, I., Blain, H. A., Agustí, A., Piñero, P., Barsky, D., Ivorra, J., and Bourguignon, L.** (2019). New clues about the late Early Pleistocene peopling of western Europe: Small vertebrates from The Bois-de-Riquet archeopaleontological site (Lezignan-La-Cebe, southern France). *Quaternary Science Reviews*, 219: 187-203.

**Lozano-Fernandez, I.,** Perez-Criado, L., Cuenca-Bescos, G., and **Agusti, J.,** (2019). Morphometric evolution of *Mimomys savini* (Rodentia, Mammalia): A new view of its morphological changes. *Quaternary Science Reviews*, 224: 105965.

**Luzi, E. and López-García, J.M.** (2019). Patterns of variation in *Microtus arvalis* and *Microtus agrestis* populations from Middle to Late Pleistocene in southwestern Europe. *Historical Biology* 31: 535-543.

**Luzi, E. and López-García, J.M.** (2019). Relative size variations in two vole species: A climatic proxy for the identification of humid-arid pulses during Late Pleistocene in Southwestern Europe? *Quaternary Science Reviews*, 223: 105920.

**Luzi, E.,** Pazonyi, P. and **López-García, J. M.** (2019). The influence of climate on morphometric traits of fossil populations of *Microtus arvalis* and *M. agrestis* from the Carpathian Basin, northern Hungary. *Lethaia*, 52: 123–132.

Mallol, C., Hernández, C., Mercier, N., Falguères, C., Carrancho, Á., Cabanes, D., Vidal-Matutano, P., Connolly, R., **Pérez, L.,** Mayor, A., Arous, E. Ben and Galván, B., (2019). Fire and brief human occupations in Iberia during MIS 4: Evidence from Abric del Pastor (Alcoy, Spain). *Scientific Reports*, 9: 18281.

Marco-Barba, J., **Burjachs, F.,** Reed, J.M., Santisteban, C., Usera, J.M., Alberola, C., **Expósito, I.,** Guillem, J., Patchett, F., Vicente, E., Mesquita-Joanes, F. and Miracle, M.R. (2019). Mid-Holocene and historical palaeoecology of the Albu-fera de València coastal lagoon. *Limnetica*, 38: 353-389.

Marín, J., Rodríguez-Hidalgo, A., **Vallverdú, J., Gómez de Soler, B., Rivals, F.,** Rabuñal, J.R., **Pineda, A., Chacón, M.G., Carbonell, E. and Saladié, P.** (2019). Neanderthal logistic mobility during MIS3: Zooarchaeological perspective of Abric Romaní level P (Spain). *Quaternary Science Reviews*, 225: 106033.

**Martínez-Polanco, M.F.** (2019). Beyond white-tailed deer hunting in Aguazuque: Archaeofaunal data from an archaic site at Sabana de Bogotá, Colombia. *International Journal of Osteoarchaeology*, 29 (1): 108-116.

**Martínez-Polanco, M.F.** and Cooke, R.G., (2019). Zooarchaeological and taphonomical study of the white-tailed deer (*Cervidae: Odocoileus virginianus* Zimmerman 1780) at Sitio Sierra, a pre-Columbian village in Pacific Coclé province, Panama, with an evaluation of its role in feasts. *Archaeological and Anthropological Sciences*, 11(10): 5405-5422.

Maté-González, M.Á., **Courtenay, Li. A.**, Aramendi, J., Yravedra, J., Mora, R., González-Aguilera, D. and Domínguez-Rodrigo, M. (2019). Application of geometric morphometrics to the analysis of cut mark morphology on different bones of differently sized animals. Does size really matter? *Quaternary International*, 517: 33-44.

**Medin, T., Martínez-Navarro, B.**, Madurell-Malapeira, J., Figueirido, B., Kopalani, G., **Rivals, F.**, Kiladze, G., Palmqvist, P. and Lordkipanidze, D. (2019). The bears from Dmanisi and the first dispersal of early Homo out of Africa. *Scientific Reports*, 9: 17752.

Mendez-Quintas, E., Panera, J., Altamura, F., Bianco, L. Di, Melis, R.T., Piarulli, F., **Ruta, G.** and Mussi, M. (2019). Gombore II (Melka Kunture, Ethiopia): A new approach to formation processes and spatial patterns of an Early Pleistocene Acheulean site. *Journal of Archaeological Science*, 108: 104975.

Mercuri, A.M., Florenzano, A., **Burjachs, F.**, Giardini, M., Kouli, K., Masi, A., Picornell-Gelabert, Ll., **Revelles, J.**, Sadori, L., Servera-Vives, G., Torri, P. and Fyfe, R. (2019). From influence to impact: the multifunctional land-use in Mediterranean prehistory emerging from palynology of archaeological sites (8.0-2.8 ka BP). *The Holocene*, 29: 830-846.

Morales, J.I., Cebrià, A., **Burguet-Coca, A.**, Fernández-Marchena, J. L., García-Argudo, G., **Rodríguez-Hidalgo, A.**, Soto, M., Talamo, S., Tejero, J-M., **Vallverdú, J.** and Fullola, J.M. (2019). The Middle-to-Upper Paleolithic transition occupations from Cova Foradada (Calafell, NE Iberia). *PLoS ONE*, 14: e0215832.

Moroni, A., Boschian, G., Crezzini, J., Montanari-Canini, G., **Marciani, G.**, Capecchi, G., Arrighi, S., Aureli, D., Berto, C., Freguglia, M., Araujo, A., Scaramucci, S., Hublin, J.J., Lauer, T., Benazzi, S., Parenti, F., Bonato, M., Ricci, S., Talamo, S., Segre, A.G., Boschian, F. and Spagnolo, V., (2019). Late Neandertals in central Italy. High-resolution chronicles from Grotta dei Santi (Monte Argentario - Tuscany). *Quaternary Science Reviews*, 217: 130-151.

Narasimhan, V.M., Patterson, N., Moorjani, P., Rohland, N., Bernardos, R., Mallick, S., Lazaridis, I., Nakatsuka, N., Olalde, I., Lipson, M., Kim, A.M., Olivieri, L.M., Coppa, A., Vidale, M., Mallory,



J., Moiseyev, V., Kitov, E., Monge, J., Adamski, N., Alex, N., Broomandkhoshbacht, N., Candilio, F., Callan, K., Cheronet, O., Culleton, B.J., Ferry, M., Fernandes, D., Freilich, S., **Gamarra, B.**, Gaudio, D., Hajdinjak, M., Harney, É., Harper, T.K., Keating, D., Lawson, A.M., Mah, M., Mandl, K., Michel, M., Novak, M., Oppenheimer, J., Rai, N., Sirak, K., Slon, V., Stewardson, K., Zalzala, F., Zhang, Z., Akhatov, G., Bagashev, A.N., Bagnera, A., Baitanayev, B., Bendezu-Sarmiento, J., Bissembaev, A.A., Bonora, G.L., Chargynov, T.T., Chikisheva, T., Dashkovskiy, P.K., Derevianko, A., Dobeš, M., Douka, K., Dubova, N., Duisengali, M.N., Enshin, D., Epimakhov, A., Fribus, A. V., Fuller, D., Goryachev, A., Gromov, A., Grushin, S.P., Hanks, B., Judd, M., Kazizov, E., Khokhlov, A., Krygin, A.P., Kupriyanova, E., Kuznetsov, P., Luiselli, D., Maksudov, F., Mamedov, A.M., Mamirov, T.B., Meiklejohn, C., Merrett, D.C., Micheli, R., Mochalov, O., Mustafokulov, S., Nayak, A., Pettener, D., Potts, R., Razhev, D., Rykun, M., Sarno, S., Savenkova, T.M., Sikhymbaeva, K., Slepchenko, S.M., Soltobaev, O.A., Stepanova, N., Svyatko, S., Tabaldiev, K., Teschler-Nicola, M., Tishkin, A.A., Tkachev, V. V., Vasilyev, S., Velemínský, P., Voyakin, D., Yermolayeva, A., Zahir, M., Zubkov, V.S., Zubova, A., Shinde, V.S., Lalueza-Fox, C., Meyer, M., Anthony, D., Boivin, N., Thangaraj, K., Kennett, D.J., Frachetti, M., Pinhasi, R. and Reich, D. 2019. The formation of human populations in South and Central Asia. *Science*, 365: eaat7487.

Navarrete, V., **Tornero, C.**, Balasse, M. and Saña, M. (2019). Food management of early introduced caprine and bovine herds in the early Neolithic site of La Draga (Banyoles): An isotopic approach. *International Journal of Osteoarchaeology*, 29: 986-998.

Ochando, J., Carrión, J.S., Blasco, R., Fernández, S., Amorós, G., Munuera, M., **Sañudo, P.** and Fernández Peris, J., (2019). Silvicolous Neanderthals in the far West: the mid-Pleistocene palaeoecological sequence of Bolomor Cave (Valencia, Spain). *Quaternary Science Reviews*, 217: 245-267.

Olalde, I., Mallick, S., Patterson, N., Rohland, N., Villalba-Mouco, V., Silva, M., Dulias, K., Edwards, C.J., Gandini, F., Pala, M., Soares, P., Ferrando-Bernal, M., Adamski, N., Broomandkhoshbacht, N., Cheronet, O., Culleton, B.J., Fernandes, D., Lawson, A. M., Mah, M., Oppenheimer, J., Stewardson, K., Zhang, Z., Jiménez Arenas, J.M., Toro Moyano, I.J., Salazar-García, D. C., Castanyer, P., Santos, M., Tremoleda, J., **Lozano, M.**, García Borja, P., Fernández-Eraso, J., Mujika-Alustiza, J.A., Barroso, C., Bermúdez, F.J., Viguera Mínguez, E., Burch, J., Coromina, N., Vivó, D., Cebrià, A., Fullola, J.M., García-Puchol, O., Morales, J. I., Oms, F.X., Majó, T., **Vergès, J.M.**, Díaz-Carvajal, A., Ollich-Castanyer, I., López-Cachero, F.J., Silva, A.M., Alonso-Fernández, C., Delibes de Castro, G., Jiménez Echevarría, J., Moreno-Márquez, A., Pascual Berlanga, G., Ramos-García, P., Ramos-Muñoz, J., Vijande Vila, E., Aguilera Arzo, G., Esparza Arroyo, A., Lillios, K.T., Mack, J., Velasco-Vázquez, J., Waterman, A., Benítez de Lugo Enrich, L., Benito Sánchez, M., Agustí, B., Codina, F., de Prado, G., Estalrich, A., Fernández Flores, A., Finlayson, C., Finlayson, G., Finlayson, S., Giles-Guzmán, F., Rosas, A., Barciela González, V., García Atiénzar, G., Hernández Pérez, M. S., Llanos, A., Carrión Marco, Y., Collado Beneyto, I.,

López-Serrano, D., Sanz Tormo, M., Valera, A. C., Blasco, C., Liesau, C., Ríos, P., Daura, J., de Pedro Michó, M.J., Díez-Castillo, A.A., Flores Fernández, R., Farré, J.F., Garrido-Pena, R., Gonçalves, V. S., Guerra-Doce, E., Herrero-Corral, A.M., Juan-Cabanilles, J., López-Reyes, D., McClure, S.B., Merino Pérez, M., Oliver Foix, A., Sanz Borràs, M., Sousa, A.C., Vidal Encinas, J.M., Kennett, D.J., Richards, M. B., Alt, K.W., Haak, W., Pinhasi, R., Lalueza-Fox, C., Reich, D. 2019. The genomic history of the Iberian Peninsula over the past 8000 years. *Nature*, 363: 1230-1234.

Pappa, S., Schreve, D.C. and **Rivals F.** (2019). The bear necessities: A new dental microwear database for the interpretation of palaeodiet in fossil Ursidae. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 514: 168-188

**Pérez, L.**, Hernández, C.M. and Galván, B. Bone retouchers from the Middle Palaeolithic site of El Salt, Stratigraphic Unit Xa (Alicante, Spain): first data and comparison with the Middle to Upper Pleistocene European record. *International Journal of Osteoarchaeology*, 29: 238-252.

**Pineda, A., Cáceres, I., Saladié, P., Huguet, R.,** Morales, J.I., Rosas, A. and **Vallverdú, J.** (2019). Tumbling effects on bone surface modifications (BSM): An experimental application on archaeological deposits from the Barranc de la Boella site (Tarragona, Spain). *Journal of Archaeological Science*, 102: 35–47.

**Pineda, A.** and **Saladié, P.** (2019). The Middle Pleistocene site of Torralba (Soria, Spain): A taphonomic view of the Marquis of Cerralbo and Howell faunal collections. *Archaeological and Anthropological Sciences*, 11: 2539 - 2556.

**Piñero, P.** and **Agustí, J.** (2019). The rodent succession in the Sifón de Librilla section (Fortuna Basin, SE Spain): implications for the Mio-Pliocene boundary in the Mediterranean terrestrial record. *Historical Biology*, 31: 279-321.

Prignano, L., Morer, I., Fulminante, F. and **Lozano, S.** (2019). Modelling terrestrial route networks to understand inter-polity interactions (southern Etruria, 950-500 BC). *Journal of Archaeological Science*, 105: 46-58.

Profico, A., Piras, P., Buzi, C., **Bove, A. Del**, Melchionna, M., Senczuk, G., Varano, V., Veneziano, A., Raia, P. and Manzi, G., (2019). Seeing the wood through the trees. Combining shape information from different landmark configurations. *Hystrix, the Italian Journal of Mammalogy*, 30: 157–165.

Quintana, J. and **Agustí, J.** (2019). First evidence of faunal succession in terrestrial vertebrates of the Plio-Pleistocene of the Balearic Islands, Western Mediterranean. *Comptes rendus Palevol*, 18: 317 - 324.





Rabinovich, R., Herzlinger, G., Calvo, R., **Rivals, F.**, Mischke, S. and Beiner, G. (2019). Erq el Ahmar Elephant Site – A mammoth skeleton at a rare and controversial Plio-Pleistocene site along the mammal migration route out of Africa. *Quaternary Science Reviews*, 221: 105885.

**Ramírez-Pedraza, I., Tornero, C.,** Pappa, S., Talamo, S., Salazar-García, D.C., Blasco, R., **Rosell, J.** and **Rivals, F.** (2019). Microwear and isotopic analyses on cave bear remains from Toll Cave reveal both short-term and long-term dietary habits. *Scientific Reports*, 9: 5716.

**Revelles, J.,** Ghilardi, M., Rossi, V., Currás, A., López-Bultó, O., Brkojewitsch, G. and Vacchi, M. (2019). Coastal landscape evolution of Corsica Island (W. Mediterranean): Palaeoenvironments, vegetation history and human impacts since the early Neolithic period. *Quaternary Science Reviews*, 225: 105993.

Rey-Rodríguez, I., Stoetzel, E., **López-García, J.M.** and Denys, C. (2019). Implications of modern Barn owls pellets analysis for archaeological studies in the Middle East. *Journal of Archaeological Science*, 111: 105029.

Richard, M., Falguères, C., Pons-Branchu, E., Foliot, L., Guillem, P.M., Martínez-Valle, R., **Eixea, A.** and Villaverde, V., (2019). ESR/U-series chronology of early Neanderthal occupations at Cova Negra (Valencia, Spain). *Quaternary Geochronology*, 49: 283-290.

Ríos, L., Kivell, T.L., C. Lalueza-Fox, C., Estalrich, A., García-Taberner, A., **Huguet, R.,** Quintino, Y., Rasilla de la, M. and Rosas, A. (2019). Skeletal Anomalies in The Neandertal Family of El Sidrón (Spain) Support A Role of Inbreeding in Neandertal Extinction. *Scientific Reports*, 9: 1697.

**Rivals, F.,** Semprebon, G.M. and Lister, A.M. (2019). Feeding traits and dietary variation in Pleistocene proboscideans: a tooth microwear review. *Quaternary Science Reviews*, 219: 145-153.

Rodríguez-Hidalgo, A., Morales, J.I., Cebrià, A., **Courtenay, Li. A.,** Fernández-Marchena, J.L., García-Argudo, G., Marín, J., **Saladié, P.,** Soto, M., Tejero, J.M. and Fullola, J.M. (2019). The Châtelperronian Neanderthals of Cova Foradada (Calafell, Spain) used imperial eagle phalanges for symbolic purposes. *Science Advances*, 5: eaax1984.

Romagnoli, F. and **Vaquero, M.** (2019). The challenges of applying refitting analysis in the Palaeolithic archaeology of the twenty-first century: an actualised overview and future perspectives. *Archaeological and Anthropological Sciences*, 11: 4387-4396.

**Rosell, J.** and Blasco, R. (2019). The early use of fire among Neanderthals from a zooarchaeological perspective. *Quaternary Science Reviews*, 217: 268-283.

**Rosell, J.,** Blasco, R., **Arilla, M.** and Fernández-Jalvo, Y. (2019). Going beyond the potential equifinality problems: A response to Saladié and Rodríguez-Hidalgo (2019). *Quaternary International*, 532: 172-178.

**Rosell, J.,** Blasco, R., **Arilla, M.** and Fernández-Jalvo, Y. (2019). Very human bears: wild brown bear neo-taphonomic signature and its equifinality problems in archaeological contexts. *Quaternary International*, 517: 67-78.

**Rosell, J.,** Modesto-Mata, M., Fernández-Laso, C., Modolo, M. and Blasco, R. (2019). Refitting bones to reconstruct the diversity in Middle Palaeolithic human occupations: the case of the Abric Romaní site (Capellades, Barcelona, Spain). *Archaeological and Anthropological Sciences*, 11: 4601-4619.

**Saladié, P.,** Fernández, P., Rodríguez-Hidalgo, A., **Huguet, R., Pineda, A., Cáceres, I.,** Marín, J., **Vallverdú, J.** and **Carbonell, E.** (2019). The TD6.3 faunal assemblage of the Gran Dolina site (Atapuerca, Spain): a late Early Pleistocene hyena den. *Historical Biology*, 31: 665–683.

**Saladié, P.** and Rodríguez-Hidalgo, A. (2019). Reply to “very human bears” by Rosell et al., 2019. *Quaternary International*, 532: 166-171.

**Sánchez-Hernández, C.,** Gourichon, L., Pubert, E., Rendu, W., Montes, R. and **Rivals, F.** (2019). Combining dental wear and cementum analyses in ungulates reveal seasonality of Neanderthal occupations at Covalejos Cave (Northern Iberia). *Scientific Reports*, 9: 14335.

Sanz, M., **Rivals, F.,** García, D. and Zilhão, J. (2019). Hunting strategy and seasonality in the Last Interglacial occupation of Cueva Antón (Murcia, Spain). *Archaeological and Anthropological Sciences*, 11: 3577–3594.

Sanz-Ibáñez, C., **Lozano, S.** and Clavé, S. A. (2019). Brokers in a destination's knowledge networks. *Journal of destination marketing & management*, 11: 120-129.

Schmidt, C.W., Remy, A., Van Sessen, R., **Willman, J.,** Krueger, K., Scott, R., Mahoney, P., Beach, J., McKinley, J., d’Anastasio, R., Chiu, L.W., Buzon, M., De Gregory, R., Sheridan, S.G., Eng, J., Watson, J., Klaus, H., Da-Gloria, P., Wilson, J., Stone, A., Sereno, P., Droke, J., Perash, R., Stojanowski, C. and Herrmann, N. (2019). Dental microwear texture analysis of *Homo sapiens sapiens*: foragers, farmers, and pastoralists. *American Journal of Physical Anthropology*, 169: 207-226.

Semprebon, G.M., **Rivals, F.** and Janis, C.M. (2019). The role of grass versus exogenous abrasives in the paleodietary patterns of North American ungulates. *Frontiers in Ecology and Evolution*, 7: 65.



Soto, M., Inwood, J., Clarke, S., Crowther, A., Covelli, D., Favreau, J., Itambu, M., Larter, S., Lee, P., **Lozano, M.**, Maley, J., Mwambwiga, A., Patalano, R., Sammynaiken, R., **Vergès, J.M.**, Zhu, J. and Mercader, J. (2019). Structural characterization and decontamination of dental calculus for ancient starch research. *Archaeological and Anthropological Sciences*: 11 (9): 4847-4872.

Subirats, L., **Pérez, L.**, Hernández, C. M., Fort, S. and Gómez-Moñivas, S. (2019). A Granularity-Based Intelligent Tutoring System for Zooarchaeology. *Applied Sciences*, 9: 4960.

**Terlato, G.**, Bocherens, H., Romandini, M., Nannini, N., Hobson, K. A. and Peresani, M. (2019) 'Chronological and Isotopic data support a revision for the timing of cave bear extinction in Mediterranean Europe'. *Historical Biology*, 31 (4): 474-484.

Terradillos-Bernal, M., **Allué, E.**, Carrancho, Á., Fernández-Lomana, J. C. D., Iriarte-Chiapusso, M. J., Pardo, J. F. J. and **Vallverdú, J.** (2019). A structure from the sixth millennium cal BC with no artifactual content at San Quirce (Palencia, Spain): a multidisciplinary study. *Archaeological and Anthropological Sciences*, 11: 4873-4890.

Torres-Roig, E., **Agustí, J.**, Bover, P. and Alcover, J.A. (2019). A new giant cricetine from the basal Pliocene of Mallorca (Balearic Islands, western Mediterranean): biostratigraphic nexus with continental mammal zones. *Historical Biology*, 31: 559-573.

Torres-Roig, E., **Piñero, P.**, **Agustí, J.**, Bover, P. and Alcover, J. A. (2019). First evidence of endemic Murinae (Rodentia, Mammalia) in the early Pliocene of the Balearic Islands (western Mediterranean). *Geological Magazine*, 156: 1742–1750.

Val-Peón, C., **Expósito, I.**, Soto, M. and **Burjachs, F.** (2019). A taphonomic approach to the pollen assemblage from Layer M of the Abric Romaní archaeological site (NE Iberian Peninsula). *Review of Palaeobotany and Palynology*, 270: 19-39.

**Vaquero, M.**, Romagnoli, F., Bargalló, A., **Chacón, M.G.**, **Gómez de Soler, B.**, Picin, A. and **Carbonell, E.** (2019). Lithic refitting and intrasite artifact transport: a view from the Middle Paleolithic. *Archaeological and Anthropological Sciences*, 11: 4491–4513.

Vidal-Matutano, P., Blasco, R., **Sañudo, P.** and Fernández Peris, J. (2019). 'The Anthropogenic Use of Firewood During the European Middle Pleistocene: Charcoal Evidence from Levels XIII and XI of Bolomor Cave, Eastern Iberia (230–160 ka)'. *Environmental Archaeology*, 24 (3): 269-284.

Villaverde, V., Real, C., Roman, D., Albert, R.M., Badal, E., Bel, M.Á., Bergadà, M.M., de Oliveira, P., **Eixea, A.**, Esteban, I., Martínez-Alfaro, Á., Martínez-Varea, C.M. and Pérez-Ripoll, M., (2019). The early Upper Palaeolithic of Cova de les Cendres (Alicante, Spain). *Quaternary International*, 515: 92-124.

Williams, F.L., Schmidt, C.W., Droke, J.L., **Willman, J.C.**, Semal, P., Becam, G. and de Lumley M-A. (2019) Dietary reconstruction of Spy I using dental microwear texture analysis. *Comptes Rendus Palevol*, 18: 1083-1094.

Yravedra Sainz de los Terreros, J., Maté-González, M.Á. and **Courtenay, Li. A.**, (2019). New technologies applied to archaeology. Contributions of photogrammetry and geometric morphometrics to the resolution of taphonomic issues. *Quaternary International*, 517: 1-3.

Yravedra, J., Maté-González, M.Á., **Courtenay, Li. A.**, López-Cisneros, P., Estaca-Gómez, V., Aramendi, J., Andrés-Herrero, M. de, Linares-Matás, G., Aguilera, D.G. and Álvarez-Alonso, D., (2019). Approaching raw material functionality in the Upper Magdalenian of Coímbre cave (Asturias, Spain) through geometric morphometrics. *Quaternary International*, 517: 97-106.

Yravedra, J., Maté-González, M.Á., **Courtenay, Li. A.**, González-Aguilera, D., Fernández, M.F., (2019). The use of canid tooth marks on bone for the identification of livestock predation. *Scientific Reports*, 9: 16301.

#### Articles in peer reviewed journals without impact factor (JCR), indexed by Web of Science (WOS) or by Scopus

Albizuri, S., Nadal, J., **Martín, P.**, Gibaja, J.F., Cólliga, A.M., Esteve, X., Oms, X., Martí, M., Pou, R., López-Onaindia, D., Subirà, M.E., (2019). Dogs in funerary contexts during the Middle Neolithic in the northeastern Iberian Peninsula (5th–early 4th millennium BCE). *Journal of Archaeological Science: Reports*, 24: 198–207.

**Arroyo, A.**, Proffitt, T. and Key, A. (2019). Morphometric and technological analysis of Acheulean large cutting tools from Porzuna (Ciudad Real, Spain) and questions of African affinities. *Journal of Archaeological Science: Reports*, 27: 101992.

Borić, D., Borovinić, N., Đuričić, L., Bulatović, J., Gerometta, K., Filipović, D., **Allué, E.** Vušović-Lučić, Z. and Cristiani, E. (2019). Spearheading into the Neolithic: Last Foragers and First Farmers in the Dinaric Alps of Montenegro. *European Journal of Archaeology*, 22: 1-29.

Daura, J., Sanz, M., Oms, X.F., Pedro, M., Martínez, P., Mendiola S., Oliva Poveda, M., Gibaja, J.F., Mozota, M., Alonso-Eguíluz, M., Albert, R.M., **Allué, E.**, Bañuls-Cardona, S., **López-García, J.M.**, Santos Arévalo, F.J. and Fullola, J.M. (2019). Deciphering Neolithic activities from a Cardial burial site (Cova Bonica) on the western Mediterranean coast. *Journal of Archaeological Science: Reports*, 23: 324–347.

Ghilardi, M., **Revelles, J.**, Glais, A., Theodorakopoulou, K., Theodoropoulou, T., Lespez, L., Longo, F., Rossi, A., Bellier, O., Benedetti, L. and Fleury, J. (2019). Reconstructing human-environment



interactions in the western Messara Plain (Phaistos, Crete, Greece) from the emergence of city states to Byzantine times. *Journal of Archaeological Science: Reports*, 26: 101909.

**Hernando, R., Lozano, M.,** Ceperuelo, D., **Alonso, S.** and **Vaquero, M.** (2019). Los niños de la Cova de Valdavara (Becerreá, Lugo): Análisis morfológico, patológico y del microdesgaste dental. *Munibe*, 70: 207-218.

**Hortolà, P.** (2019). A multilingual Romance-language lexicon for manufactured objects. *Studia Antiqua et Archaeologica*, 25: 197–210.

**Mateo-Lomba, P., Rivals, F.,** Blasco, R. and **Rosell, J.** (2019). The use of bones as retouchers at Unit III of Teixoneres Cave (MIS 3; Moià, Barcelona, Spain). *Journal of Archaeological Science: Reports*, 27: 101980.

**Terlato, G.,** Livraghi, A., Romandini, M. and Peresani, M., (2019). Large bovids on the Neanderthal menu: Exploitation of *Bison priscus* and *Bos primigenius* in northeastern Italy. *Journal of Archaeological Science: Reports*, 25: 129–143.

**Val-Peón, C.,** Cancelli, R.R., Santos, L. and Soares, A.L.R., (2019). Prehistoric occupation and palaeoenvironmental changes along Santa Catarina's Coastal Plain, Brazil: An integrated approach based on palynological data. *Journal of Archaeological Science: Reports*, 23: 983–992.

**Willman, J. C.,** Ginter, B., **Hernando, R., Lozano, M.,** Sobczyk, K., Stefański, D. and Zarzecka-Szubińska, K. (2019). Paleobiology and Taphonomy of a Middle Paleolithic Neandertal Tooth from Ciemna Cave, Southern Poland. *Journal of Paleolithic Archaeology*, 2: 1-19.

### Other papers

**Bucchi, A.,** Manzanares, C., Luengo, J., Bucchi, C. and **Lorenzo, C.** (2019). Muscle Strength and Enthesal Size in Human Thumbs: Testing the relationship with a cadaveric model. *Journal of the International Union for Prehistoric and Protohistoric Sciences*, 2: 38-42.

Fernández-Marchena, J.L., Rabuñal, J.R., García-Argudo, G., **Lombao, D.,** Soto, M. and **Vallverdú, J.** (2019). Cantacorbs: Recovering a forgotten Neolithic site in the Prades Mountains (Rojals, Montblanc, NE Iberia). *Journal of the International Union for Prehistoric and Protohistoric Sciences*, 2.

Hernández, H., Francisco-Rodríguez, S. de, Herrero-Alonso, D., Lamas, V., López-Tascón, C., López-Rodríguez, M. C., Bustos-Pérez, G., Gironès-Rofes, I., Monforte-Barberan, A., **Chacón-Navarro, M.** and Sánchez-Martínez, N. (2019). La biografía del útil: por una visión integrada de las metodologías implicadas en el estudio del registro lítico prehistórico. In: Álvarez Fernández, A., Bello Alonso, P.M., Francés Negro, M., Herrejón Lagunilla, Á., Martínez Gallo, M., de Pedro

Andrés, G., Pereira Pedro, A.S., Prado Novoa, O., Ruiz Román, A., Sánchez Puente, Z., Varela Neila, Á., Vidal Cordasco, M., Zorrilla, G. (Eds.), *Los tiempos cambian, de la piedra al teclado. Actas de las X Jornadas de Jóvenes en Investigación Arqueológica. Burgos 7-10 de junio de 2017*. Burgos: Asociación de Historia y Arqueología de Burgos, 722-729.

**Hernando, R.**, Morales, J.I., Oms, X., Cebriá, A. and **Lozano, M.** (2019). A methodological approach to infer the diet: The case of the children from Cova de la Guineu (Font-Rubí, Barcelona, Spain). *The Journal of the International Union for Prehistoric and Protohistoric Sciences*, 2: 54-59.

De Lombera-Hermida, A., **Rodríguez-Álvarez, X.P.** and Fábregas-Valcarce, R. (2019). Una década de intervenciones arqueológicas en Cova Eirós, Triacastela (Lugo). *Furada, Revista dos espeleólogos galegos*, 13: 60-65.

**Mateo-Lomba, P.** (2019). Retocadores y yunques en hueso: una comparación. In: Álvarez Fernández, A., Bello Alonso, P.M., Francés Negro, M., Herrejón Lagunilla, Á., Martínez Gallo, M., de Pedro Andrés, G., Pereira Pedro, A.S., Prado Novoa, O., Ruiz Román, A., Sánchez Puente, Z., Varela Neila, Á., Vidal Cordasco, M. and Zorrilla, G. (Eds.), *Los tiempos cambian, de la piedra al teclado. Actas de las X Jornadas de Jóvenes en Investigación Arqueológica. Burgos 7-10 de junio de 2017*. Burgos: Asociación de Historia y Arqueología de Burgos, 638-647.

Subirats, L., Fort, S., Hernández, C., **Pérez, L.**, Vesisenaho, M., Nousiainen, T., Peltonen, M., Miakush, I. and Sacha, G.M. (2019). Intelligent Tutoring System in Archaeology. In J. Theo Bastiaens (Ed.), *Proceedings of EdMedia + Innovate Learning*. Amsterdam: Association for the Advancement of Computing in Education (AACE), 745-750.

**Téllez, E.** and Rodríguez Marcos, J.A. (2019). El Casetón de la Era, su ocupación en el Bronce Medio – Final. In: Álvarez Fernández, A., Bello Alonso, P.M., Francés Negro, M., Herrejón Lagunilla, Á., Martínez Gallo, M., de Pedro Andrés, G., Pereira Pedro, A.S., Prado Novoa, O., Ruiz Román, A., Sánchez Puente, Z., Varela Neila, Á., Vidal Cordasco, M. and Zorrilla, G. (Eds.), *Los tiempos cambian, de la piedra al teclado. Actas de las X Jornadas de Jóvenes en Investigación Arqueológica. Burgos 7-10 de junio de 2017*. Burgos: Asociación de Historia y Arqueología de Burgos, 235-244.

**Téllez, E., Saladié, P., Pineda, A., Cáceres, I., Marginedas, F.** and Marín, J. (2019). Cambios de coloración en huesos alterados térmicamente: una aproximación experimental. In: Álvarez Fernández, A., Bello Alonso, P.M., Francés Negro, M., Herrejón Lagunilla, Á., Martínez Gallo, M., de Pedro Andrés, G., Pereira Pedro, A.S., Prado Novoa, O., Ruiz Román, A., Sánchez Puente, Z., Varela Neila, Á., Vidal Cordasco, M. and Zorrilla, G. (Eds.), *Los tiempos cambian, de la piedra al teclado. Actas de las X Jornadas de Jóvenes en Investigación Arqueológica. Burgos 7-10 de junio de 2017*. Burgos: Asociación de Historia y Arqueología de Burgos, 470-480.



**Vergès, J.M., Hernando, R.,** Massó, J. and Yustos, M. Revisió dels material arqueològics recuperats durant l'exploració de la Cova del Buldó (La Bartra/ Montblanc, Conca de Barberà). Els anys 1926-1928. *Butlletí Arqueològic*, 41: 5-16.

### Book chapters

Bartolini Lucenti, S., Bushkianidze, M., Lordkipanidze, D., **Martínez-Navarro, B.** and Rook, L. (2019). The carnivorans guild from the Early Pleistocene site of Dmanisi (Georgia). In: **Martínez-Navarro, B.,** Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 39-40.

García-Aguilar, J.M., Guerra-Merchán, A., Palmqvist, P., **Martínez-Navarro, B.,** Granados, A., Espigares, M.P. and Ros-Montoya, S. (2019). Lugares de interés paleontológico de la cuenca de Baza (Cordilleras Béticas, España). In: **Martínez-Navarro, B.,** Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 125-128.

**Gómez de Soler, B.,** Bustos-Pérez, G., **Chacón, M.G.,** Picin, A., Rufà, A., **Rivals, F.,** Blasco, R. and **Rosell, J.** (2019). An approximation to the Neanderthals lithic procurement at Teixoneres Cave (Moià, NE Iberian Peninsula). In *12th International Symposium on Knappable Materials (ISKM). 18th-22nd November*. Budapest: Hungarian National Museum, p. 53.

**Gómez de Soler, B., Chacón, M. G.,** Bargalló, A., Romagnoli, F., Soto, M., **Vallverdú, J.** and **Vaquero M.** (2019) Mobilité territoriale pendant le Paléolithique moyen en contextes discoïde et Levallois : exem-ple du site de l'Abri Romaní (Capellades, Barcelona, Espagne), niveau M et sous-niveau Oa. In Deschamps, M., Costamagno, S., Milcent, P.-Y., Pétilion, J.-M., Renard, C. and Valdeyron, N. (dir.). *La conquête de la montagne : des premières occupations humaines à l'anthropisation du milieu*. Paris : Éditions du CTHS.

**Gómez de Soler, B.,** Soto, M., **Vallverdú, J.,** Bargalló A., **Chacón, M.G.,** Romagnoli, F., **Soares Remiseiro, M.** and **Vaquero, M.** (2019). Sant Martí de Tous chert: a raw material self-service for the Catalan Central Depression (Northeast of the Iberian Peninsula). In *12th International Symposium on Knappable Materials (ISKM). 18th-22nd November*. Budapest: Hungarian National Museum, p. 55.

Granados, A., Guerra-Merchán, A. Espigares, M.P. García-Aguilar, J.M. Ros-Montoya, S., **Martínez-Navarro, B.** and Palmqvist, P. (2019) Aportación de los Ostrácodos a la Reconstrucción Paleoambiental de la Serie Pliocena de Baza (Sur De España). In: **Martínez-Navarro, B.,** Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV*

*Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 131-134.

Jiménez-Manchón, S., **Rivals, F.**, Gardeisen, A., Valenzuela-Lamas, S., De Prado, G., Codina, F., Santos, M., Castanyer, P., Tremoleda, J. and Plana-Mallart, R. (2019). Alimentation et gestion pastorale des caprinés chez les Grecs et les Ibères du VIe au IVe siècle av. n. è. à l'Empordà (nord-est de la péninsule Ibérique). Nouvelles perspectives à partir de la micro-usure dentaire. In: Gourichon, L., Daujeard, C., Brugal, J.-P. (Eds.): *Hommes et Caprinés: de la montagne à la steppe, de la chasse à l'élevage*. Antibes : Éditions APDCA, 227-241.

**Lombao, D.**; Rabuñal, J.R.; Cueva-Temprana, A.; Morales, J.I. and **Mosquera, M.** (2019). A new method to infer the reduction intensity on cores and handaxes: The Volumetric Reconstruction Method (VRM). In *Proceedings of the European Society for the study of Human Evolution 8 (PESHE 8, 2019)*, Liège: 111.

Madurell-Malapeira, J., Sorbelli, L. Bartolini Lucenti, B. Rufí, I. Prat-Vericat, M. Ros-Montoya, S. Espigares, M.P. and **Martínez-Navarro, B.** (2019) The Iberian latest Early Pleistocene: Glacial pulses, large carnivorans and hominins. In: **Martínez-Navarro, B.**, Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 155-160.

Madurell-Malapeira, J., Sorbelli, L., Ros-Montoya, S., **Martínez-Navarro, B.**, Vallverdú, J., **Pineda, A.**, Rosas, A., **Huguet, R.**, Cáceres, I., García-Taberner, A., **López-Polín, L.**, **Ollé, A.** and **Saladié, P.** (2019) Acheulian tools and Villafranchian taxa: the latest Early Pleistocene large mammal assemblage from Barranc de la Boella (NE Iberian Peninsula). In: **Martínez-Navarro, B.**, Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 161-166.

**Martínez-Navarro, B.**, García-Aguilar, J.M., Guerra-Merchán, A., Granados, A., Espigares, M.P., Ros-Montoya, S. and Palmqvist, P. (2019) Los principales yacimientos paleontológicos de la cuenca de Baza. In: **Martínez-Navarro, B.**, Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 319-354.

**Martínez-Navarro, B.**, Ros-Montoya, S., Luengo-Gutiérrez, F.J., Espigares, M.P., García-Aguilar, J.M., Guerra-Merchán, A., Rodríguez-Rueda, A. and Palmqvist, P. (2019). Baza-1 (Spain): a new and exceptional Pliocene continental site in Europe. In: Rook, L., Pandolfi, L. (Eds.) *Paleodays 2019, La Società Paleontologica Italiana a Benevento e Pietraroja, Parte 1: Volume dei Riassunti, XIX Riunioni annuale SPI*. Pietraroja: Ente Geo-Paleontologico di Pietraroja, 21-23.





**Mateo-Lomba, P., Cáceres, I. and Ollé, A.** (2019). Carcass processing with bone tools: a multidisciplinary approach. In: *European Society for the Study of Human Evolution (Ed.), Proceedings of the European Society for the study of Human Evolution 8 (PESHE 8, 2019)*, Liège: 125.

Palmqvist, P., Rodríguez-Gómez, G., Bermúdez de Castro, J.M., Espigares, M.P.N Ros-Montoya, S., Granados, A., Serrano, F.J., **Martínez-Navarro, B.** and Guerra-Merchán, A. (2019). Inferencias sobre la población de homínidos que habitó en la depresión de Guadix-Baza durante el Pleistoceno inferior. In: **Martínez-Navarro, B., Palmqvist, P., Espigares, M.P. and Ros-Montoya, S.** (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 205-210.

Picin, A., **Chacón, M., G., Gómez de Soler, B.,** Blasco, R. **Rivals, F. and Rosell, J.** (2019). Neanderthals lithic toolkits in high mobility context: an overview from Teixoneres Cave (Spain). In *Proceedings of the European Society for the study of Human Evolution 8 (PESHE 8, 2019)*, Liège: 149.

**Pineda, A. and Saladié, P.** (2019). Open-air sites reveal evidences about Lower Paleolithic hominin foraging activities. In *Proceedings of the European Society for the study of Human Evolution 8 (PESHE 8, 2019)*, Liège: 150.

Roldán, R., Bajo, I., Cárdenas, J., **Martínez-Navarro, B.,** Maestre, M.V., Cristel Gómez Montblanch, D., Abad, M. and Alberdi, M.T. (2019). Primer registro de mamíferos terrestres en el Mioceno del suroeste de la Península Ibérica. In: **Martínez-Navarro, B., Palmqvist, P., Espigares, M.P. and Ros-Montoya, S.** (Eds). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 267-270.

**Soares-Remiseiro, M., Gómez de Soler, B., Arteaga-Briebe, A., Borràs, G., Cámara, J., Campeny, G., Chacón, M.G.,** Fernández-Marchena, J. L., Guinart, V., López, G., Mas, B., Soto, M., **Suesta, A., Shkarinska, K., Ramírez, I., Val-Peón, C. and Vallverdú, J.** (2019). La Guinardera quarry (Sant Martí de Tous, Barcelona). An example of chert exploitation in modern times. In *12th International Symposium on Knappable Materials (ISKM). 18th-22nd November*. Budapest: Hungarian National Museum, p. 92.

## Books

Borel, A., **Chacón, M. G,** Pleurdeau, D., Baena Preysler, J., Torres Navas, C., Romagnoli, F. and Mester, Zs. (2019). *Archéologie Expérimentale. Théorie et pratique. Manual d'accompagnement*. Budapest: Agence Universitaire de la Francophonie, 105 p.

**Martínez-Navarro, B.**, Palmqvist, P., Espigares, M.P. and Ros-Montoya, S. (2019). *Libro de Resúmenes de las XXXV Jornadas de Paleontología, Sociedad Española de Paleontología, Baza 2-5 Octubre de 2019*, 380 pp.



## Editorial Work

### Guest Editor

#### ***Archaeological and Anthropological Sciences***

Authors: **Chacón, M. G.** and Conard, N. C.

Volume: Settlement Dynamics of the Middle Stone Age and Middle Paleolithic

Authors: Romagnoli, F. and **Vaquero, M.**

Volume: Special Issue in Big Puzzle 30 years after: a multidisciplinary, Paleolithic perspective

#### ***Journal of Archaeological Science: Reports***

Authors: Eixea, A. and **Chacón, M. G.**

Volume: Neanderthals small tools

Authors: Pawlik, A., Skakun, N., Márquez, B., **Ollé, A.** and Longo, L.

Volume: Functional Studies

#### ***Quaternary International***

Authors: Fernández, J.L., **Asryan, L.**, Pedergnana, A. and **Ollé, A.**

Volume: Not only use. Application of functional methods for a better comprehension of operative chains

Authors: **Rivals, F.** and **Tornero, C.**

Volume: High resolution analyses of large mammals dental remains

#### ***Union Internationale des Sciences Préhistoriques et Protohistoriques – UISPP Journal***

Authors: Arnaud, J., Grimaud-Hervé, D. and **Lorenzo, C.**

Volume: Through time, space and species: implication of new discoveries, technological developments and data diffusion improvement in Biological Anthropology

### Associate Editor

#### ***Boletín de Arqueología Experimental, Universidad Autónoma de Madrid***

Researcher: **Chacón, M. G.**

#### ***Frontiers in Ecology and Evolution***

Researcher: **Rivals, F.**

**Quartär: International Yearbook of Ice and Stone Age Research**

Researcher: **Chacón, M. G.**

**Quaternary**

Researcher: **López-García, J.M.**

**Academic Editor**

**PLOS ONE**

Researcher: **Lozano, S.**

Academic Editor of 15 articles



## Scientific Advisory Board

### *Research Centers*

***Centre Européen de Recherches Préhistoriques de Tautavel, France***

Researcher: **Sala, R.**

***Centro Nacional de Investigación sobre la Evolución Humana, Spain***

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***Collaborative Research Centre (CRC). Universität Tübingen, Germany***

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Researcher: **Sala, R.**

### *Societies*

***Senckenberg Society for Nature Research, Germany***

Researcher: **Vergès, J.M.**

## Activity as referee

### Referee of scientific articles in journals with impact factor

#### ***Ameghiniana: A Gondwanan Paleontological Journal***

1 article reviewed

#### ***American Journal of Physical Anthropology***

2 articles reviewed

#### ***Arabian Journal of Geosciences***

1 article reviewed

#### ***Archaeological and Anthropological Sciences***

4 articles reviewed

#### ***Clinical Case Reports***

1 article reviewed

#### ***Environmental Research***

1 article reviewed

#### ***Comptes Rendus Palevol***

1 article reviewed

#### ***Environmental Research***

1 article reviewed

#### ***Estudios Geológicos***

1 article reviewed

#### ***Fossil Imprints***

1 article reviewed

#### ***Geodiversitas***

1 article reviewed

#### ***GEOLOGY***

1 article reviewed

#### ***Global and Planetary Change***

1 article reviewed



***Historical Biology: An International Journal of Paleobiology***

2 articles reviewed

***HOMO***

1 article reviewed

***International Journal of Osteoarchaeology***

2 articles reviewed

***Journal of Archaeological Method and Theory***

1 article reviewed

***Journal of Archaeological Science***

1 article reviewed

***Journal of Environmental Management***

1 article reviewed

***Journal of Human Evolution***

4 articles reviewed

***Journal of Mammalian Evolution***

1 article reviewed

***Journal of Quaternary Science***

1 article reviewed

***Journal of Testing and Evaluation***

1 article reviewed

***Palaeogeography, Palaeoclimatology, Palaeoecology***

5 articles reviewed

***Paläontologische Zeitschrift***

1 article reviewed

***Palynology***

1 article reviewed

***PeerJ***

1 article reviewed

**Physical Review E**

2 articles reviewed

**Plos One**

4 articles reviewed

**Quaternary**

1 article reviewed

**Quaternary International**

7 articles reviewed

**Quaternary Research**

1 article reviewed

**Quaternary Science Reviews**

16 articles reviewed

**Scientific Reports**

11 articles reviewed

**The Holocene**

1 article reviewed

**Trabajos de Prehistoria**

2 articles reviewed

**Referee of scientific articles in journals without impact factor**

**Alpine and Mediterranean Quaternary**

1 article reviewed

**Bulletin d'Archéologie Marocaine, PANAF Conference Proceedings**

1 article reviewed

**Encuentro de Zooarqueología Ibérica**

1 article reviewed

**Environ**

1 article reviewed

**Food and History**

1 article reviewed





***Journal of Archaeological Science: Reports***

14 articles reviewed

***Journal of Bat Research and Conservation***

1 article reviewed

***Journal of Language Evolution***

1 article reviewed

***Journal of Paleolithic Archaeology***

1 article reviewed

***Munibe***

1 article reviewed

***Spanish Journal of Paleontology***

2 articles reviewed

***Springer Monograph***

1 article reviewed

***Union Internationale des Sciences Préhistoriques et Protohistoriques – UISPP Journal***

3 articles reviewed

***XVII Encuentro de Jóvenes Investigadores en Paleontología (EJIP)***

1 article reviewed

**Referee of Academic books**

***Oxford University Press***

1 Book reviewed

**Referee of scholarships**

*National*

***Agencia Nacional de Evaluación y Prospectiva (MICIUN)***

1 Application reviewed

***Premi Extraordinari de Doctorado en Quaternari i Prehistòria 2017-18***

1 Prize reviewed

**Universitat Rovira i Virgili, Ajut Talent Màster**

1 Scholarship reviewed

**Universitat Rovira i Virgili, Collaboration scholarships BIDI URV**

1 Scholarship reviewed

**Universitat Rovira i Virgili, Erasmus +mobility for studies**

6 Scholarships reviewed

*International*

**Fund for Scientific Research FNRS, France)**

2 Post-Doctoral Scholarships reviewed

**Humboldt Foundation Postdoctoral Fellowships (Germany)**

1 Scholarship reviewed

**International Master in Quaternary and Prehistory (IMQP)(EU)**

12 Grants reviewed

**Leakey Foundation (USA)**

1 Scholarship reviewed

**Marie Skłodowska-Curie-IF H2020 (European Commission) (EU)**

24 Scholarships reviewed

**Synthesys grants projects (EU)**

2 Scholarships reviewed

**Universidade Nova de Lisboa Postdoctoral Fellowships (Portugal)**

1 Scholarship reviewed

**Referee of Research Projects**

*National*

**ANEP Comisión Juan de la Cierva Formación**

1 Project reviewed

**Ministerio de Ciencia, Innovación y Universidades (MICIU)**

1 Member of the Committee for the Evaluation of Research Projects

**Universidad del País Vasco**



1 Project reviewed

***Universidad de Oviedo. Proyectos de Investigación Modalidad B: Ayudas para Proyectos de Investigación Emergentes para el 2019 (Modalidad D)***

1 Project reviewed

*International*

***Agence Nationale de la Recherche (France)***

1 Project reviewed

***European Research Council (ERC) Consolidator grant (EU)***

1 Project reviewed

***Fédération Nationale de la Recherche Scientifique (F.R.S.-FNRS, Belgium)***

1 Project reviewed

***German Research Foundation (Germany)***

1 Project reviewed

***Israel Science Foundation (Israel)***

2 Projects reviewed

***Ministero dell'istruzione, dell'università e della ricerca (MIUR, Italy)***

1 Project reviewed

## Fieldwork research

### Archaeological/Palaeontological excavations directed by IPHES

#### *Catalonia*

Archaeological site: **Abric de la Consagració**

Location: Capellades (Barcelona)

Chronology: Middle Paleolithic

Directors: **Manuel Vaquero** and **Andrea Picin**

Archaeological site: **Abric Romaní**

Location: Capellades (Barcelona)

Chronology: Middle Paleolithic

Directors: **Eudald Carbonell**, **María Gema Chacón** and **Palmira Saladié**

Archaeological site: **Barranc de la Boella**

Location: La Canonja (Tarragona)

Chronology: Early Pleistocene

Directors: **Josep Vallverdú** and **Palmira Saladié**

Archaeological site: **Bauma dels Fadrins i prospeccions al Torrent d'Estremera**

Location: Queralbs, Ripollès (Girona)

Chronology: Late-Pleistocene to Holocene

Director: **Carlos Tornero**



*Bovid recovered at Camp del Ninots site, Girona*



Paleontological site: **Camp els Ninots**

Location: Caldes de Malavella (Girona)

Chronology: Late Pliocene

Directors: **Bruno Gómez de Soler, Gerard Campeny** and **Jordi Agustí**

Archaeological site: **Cantacorbs**

Location: Rojals - Montblanc (Conca de Barberà, Tarragona)

Chronology: Early Holocene

Directors: **Josep Vallverdú**, Juan L. Fernández Marchena and Gala García-Argudo

Archaeological site: **Cova de La Font Major**

Location: L'Espluga de Francolí (Tarragona)

Chronology: Upper Pleistocene to Holocene

Directors: **Josep Maria Vergès** and **Carlos Tornero**

Archaeological site: **Cova de Les Borres**

Location: La Febró (Baix Camp, Tarragona)

Chronology: Late Pleistocene

Directors: **Josep Vallverdú** and María Soto

Archaeological site: **Cova de les Llenes**

Location: Erinyà (Lleida)

Chronology: Middle Pleistocene

Directors: **Jordi Rosell** and **Maite Arilla**

Archaeological site: **Cova del Toll** and **Cova de les Teixoneres**

Location: Moià (Barcelona)

Chronology: Upper Pleistocene

Directors: **Jordi Rosell**, Ruth Blasco and **Florent Rivals**

Archaeological site: **Cova dels Tritons**

Location: Senterada (Lleida)

Chronology: Late Pleistocene

Directors: **Maite Arilla** and Ruth Blasco

Archaeological site: **Cova dels Xaragalls**

Location: Vimbodí i Poblet (Tarragona)

Chronology: Late Pleistocene-Holocene

Directors: **Sandra Bañuls**, **Antonio Rodríguez-Hidalgo** and **Josep Vallverdú**

Archaeological site: **Cova d'en Pau**

Location: Serinyà (Girona)

Chronology: Paleolític Superior

Directors: **Manuel Vaquero** and Ferran Millan

Archaeological site: **El Cavet**

Location: Cambrils (Tarragona)

Chronology: Neolithic

Directors: **Josep Maria Vergès** and **Marta Fontanals**



*Fieldworks at El Cavet, Cambrils*

Archaeological site: **La Cansaladeta**

Location: La Riba (Tarragona)

Chronology: Middle Pleistocene

Directors: **Josep Maria Vergès** and **Andreu Ollé**

Archaeological site: **La Draga**

Location: Banyoles (Girona)

Chronology: Neolithic

Directors: Antoni Palomo, **Jordi Revelles**, Oriol López-Bultí and Rut Geli

Archaeological site: **Incarcal**

Location: Crespà (Girona)

Chronology: Early Pleistocene

Director: Joan Madurell-Malapeira and **Bienvenido Martínez-Navarro**



Archaeological site: **Molí del Salt**

Location: Vimbodí (Tarragona)

Chronology: Upper Paleolithic

Director: **Manuel Vaquero** and **Susana Alonso**

Archaeological site: **Roc de les Orenetes**

Location: Queralbs, Ripollès (Girona)

Chronology: Neolithic and Bronze Age

Director: **Carlos Tornero**

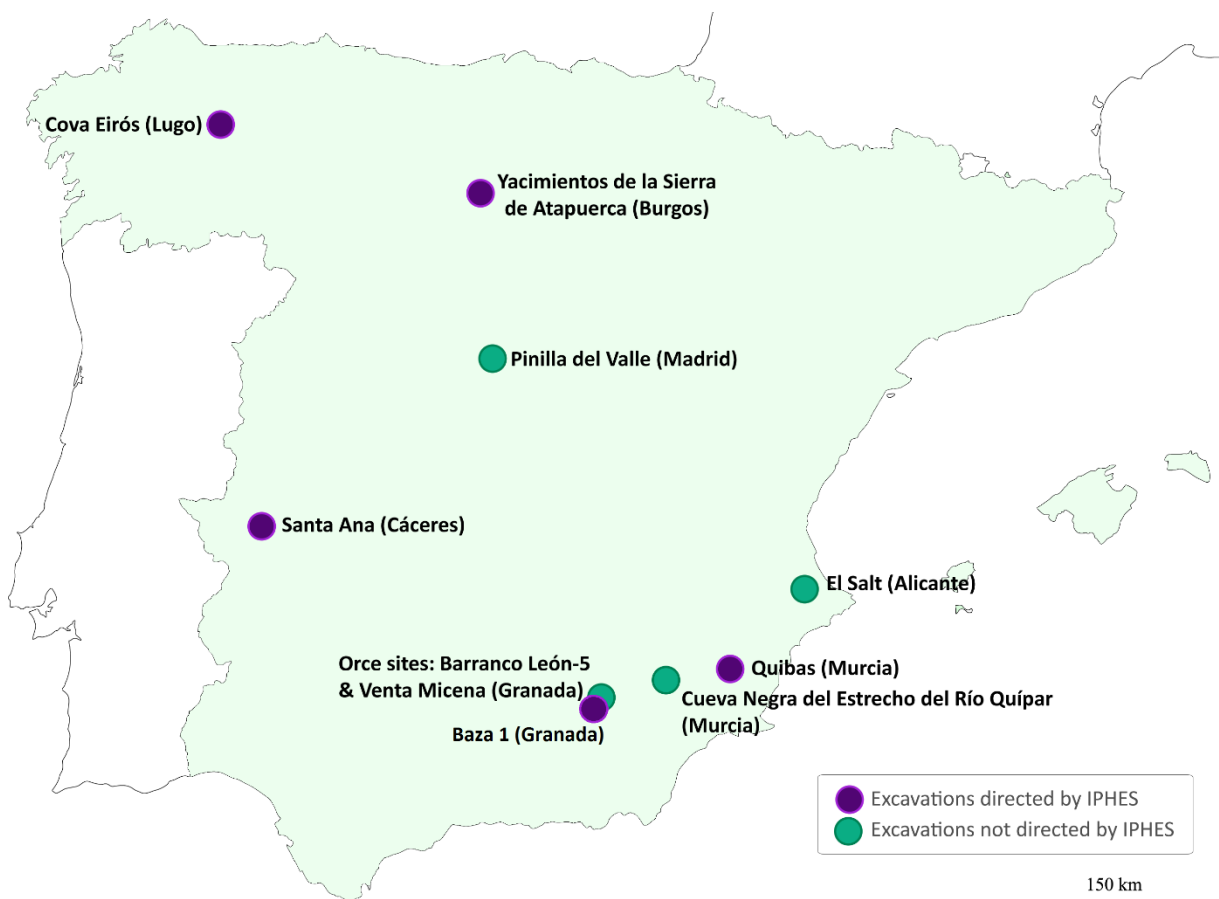
*National*

Archaeological site: **Baza 1**

Location: Baza (Granada)

Chronology: Pliocene

Director: Javier Luengo, Sergio Ros and **Bienvenido Martínez-Navarro**



*National sites in which IPHES took part during 2019*

Archaeological site: **Cova Eirós**

Location: Triacastela (Lugo)

Chronology: Middle and Upper Palaeolithic and Holocene

Directors: **Arturo de Lombera Hermida** and **Xosé Pedro Rodríguez**

Archaeological site: **Cueva de Santa Ana**

Location: Cáceres (Cáceres)

Chronology: Middle Pleistocene

Directors: **Antoni Canals** and **Eudald Carbonell**

Paleontological site: **Quibas**

Location: Abanilla (Murcia)

Chronology: Early Pleistocene

Directors: **Jordi Agustí** and **Pedro Piñero**

Archaeological site: **Yacimientos de la Sierra de Atapuerca: Sima del Elefante, Gran Dolina, Galería, Sima de los Huesos, Cueva Fantasma and El Mirador**

Location: Atapuerca (Burgos)

Chronology: Pleistocene and Holocene

Directors: Juan Luís Arsuaga, José María Bermúdez de Castro and **Eudald Carbonell**

### *International*

Archaeological site: **Engel-Ela Ramud Basin sites**

Location: Engel-Ela Ramud (Eritrea)

Chronology: Early Pleistocene

Directors: **Bienvenido Martínez-Navarro**, Tsegai Medin and **Eudald Carbonell**

Archaeological site: **Sahb el Ghar**

Location: Ain Beni Mathar (Morocco)

Chronology: Middle Stone Age

Directors: **Maria Gema Chacón**, **Robert Sala** and H. Aouraghe

Archaeological site: **SurveyKura-Arax depression and in the Vorotan River Valley**

Location: Nagorno-Karabakh (South Caucasus)

Chronology: Pleistocene

Director: **Lena Asryan** and **Andreu Ollé**

Archaeological site: **Vallone Inferno**

Location: Polizzi Generosa, Palermo (Italy)

Chronology: Upper Pleistocene and Holocene

Director: **Josep Maria Vergès** and **Andreu Ollé**





Paleontological site: **Guefeit 4**

Location: Jerada (Marroc)

Chronology: Late Pliocene-Early Pleistocene

Director: **Robert Sala**



*View of excavation at Guefeit 4, Morocco*

### Sampling surveys managed by IPHES

#### **Cova de la Font Major**

Location: L'espluga de Francolí (Tarragona)

Chronology: Pleistocene

#### **Corral Mas del Pepet**

Location: Montblanc (Tarragona)

Chronology: Holocene

#### **Cova Gran**

Location: Santa Linya (Lleida)

Chronology: Middel Paleolithic to Bronze Age

### **El Cavet**

Location: Cambrils (Tarragona)

Chronology: Neolithic

### **Sant Martí de Tous**

Location: Sant Martí de Tous (Barcelona)

Chronology: Pleistocene and Holocene

### **Yacimientos de la Sierra de Atapuerca**

Location: Ibeas de Juarros (Burgos)

Chronology: Pleistocene and Holocene

## Archaeological/Palaeontological excavations not directed by IPHES

### *Catalonia*

Archaeological site: **Cova de la Griera**

Location: Calafell (Tarragona)

Chronology: Middel Paleolithic

Directors and institution: Juan Ignacio Morales (Universitat de Barcelona)

Archaeological site: **Cova del Mas de Trader**

Location: Cubelles (Barcelona)

Chronology: Middel Paleolithic

Director and institution: Juan Ignacio Morales and Artur Cebrià (Universitat de Barcelona)

Archaeological site: **Cova Gran**

Location: Collbató (Barcelona)

Chronology: Holocene

Director and institution: Juan Ignacio Morales and Artur Cebrià (Universitat de Barcelona)

Archaeological site: **Les Guixeres de Volobí**

Location: Vilobí del Penedès (Barcelona)

Chronology: Neolithic

Directors and institution: Xavier Oms, Rafael Laborda and Héctor Martínez Grau (Universitat de Barcelona)

### *National*

Archaeological site: **Cueva Negra del Estrecho del Río Quípar**

Location: Caravaca de la Cruz (Murcia)

Chronology: Early Pleistocene



Director and institution: **Michael Walker** (University of Murcia)

Archaeological site: **El Salt**

Location: Alcoi (Alicante)

Chronology: Middle Palaeolithic

Directors and institution: Bertila Galván and Carolina Mallol (Universidad de La Laguna)

Archaeological site: **Pinilla del Valle**

Location: Rascafría (Madrid)

Chronology: Middle Paleolithic

Directors and institutions: Enrique Baquedano (Museo Arqueológico Regional, Madrid), Juan Luís Arsuaga (Universidad Complutense de Madrid) and Alfredo Pérez-González

Archaeological site: **Venta Micena, Barranco León and Fuente Nueva 3**

Location: Orce (Granada)

Chronology: Early Pleistocene

Director and institution: Juan Manuel Jiménez Arenas (Universidad de Granada)

### *International*

Archaeological site: **Dmanisi**

Location: Georgia

Chronology: Early Pleistocene

Director and institution: David Lorkipanidze (Georgian National Museum)

Archaeological site: **Lagar Velho**

Location: Leiria (Portugal)

Chronology: Upper Paleolithic

Director and institution: Joan Daura and Montserrat Sanz (Universitat de Barcelona)

Archaeological site: **Lake des Cordes**

Location: Hautes-Alpes (France)

Chronology: Historical Times

Director and institution: Frédéric Guiter (Institut méditerranéen de biodiversité et d'écologie marine et continentale)

Archaeological site: **Serra da Capivara National Park**

Location: Piauí State (Brazil)

Chronology: Primate Archaeology

Directors and institution: Tomos Proffitt (University College of London) and Tiago Falótico (Sao Paulo University)

Archaeological site: **Tignennif**

Location: Tignennif (Algeria)

Chronology: Early – Middle Pleistocene

Directors and institution: Mohamed Sahnouni (Centro Nacional de Investigación sobre la Evolución Humana)



## Congresses, Workshops & Seminars

### Congresses, Workshops & Seminars organized by IPHES

#### *2n Seminari d'Arqueobotànica*

Venue: Tarragona

Date: 4<sup>th</sup> April

Organizers: IPHES

The 2<sup>nd</sup> Archaeobotany Seminar was held on April 2019 at IPHES.

The aims of the 2<sup>nd</sup> Archaeobotany Seminar to share scientific knowledge on the archaeobotanical research carried out at IPHES. The 2<sup>nd</sup> Archaeobotany Seminar organized by the Archaeobotany Unit included a 1-day session and a field trip.

The 1-day meeting held on the 4<sup>th</sup> April included 7 communications presented by students and researchers. The topics included microcharcoal analyses, ethnobotany, phytolith analyses or dendro-anthracology among other approaches.

The field trip took place on March 14<sup>th</sup> and was carried out at a thermo-Mediterranean forest located nearby Tarragona. The field trip allowed to identify a number of woody and herbaceous plants in a disturbed forest.



*Assistants at field trip during 2<sup>nd</sup> Archaeobotany Seminar*

### **Oral Presentations**

Authors: **Burguet-Coca, A.**

Oral presentation: Proyecto experimental del corral del Mas del Pepet, una ventana microarqueológica a los contextos de estabulación prehistóricos tipo fumier

Authors: **Revelles, J.**

Oral presentation: Impacte socio-ecològic de les darreres erupcions volcàniques a la Península Ibèrica. Estudi interdisciplinari de la seqüència PdP (Pla de les Preses. La Garrotxa, Girona)

Authors: Bianco, S.

Oral presentation: Introducción al análisis dendro-antracológico: metodología aplicada a un caso de estudio en el Parco delle Madonie (Palermo, Italia)

Authors: Cano, N.

Oral presentation: Cap a la creació d'una col·lecció de referència de Paleofarmacologia: El cas de l'anàlisi dels fitolits

Authors: Mas, B.

Oral presentation: Vamos despacio porque vamos lejos: Herramientas GIS aplicadas a la reconstrucción de los paleopaisajes

Authors: Jesús, D.

Oral presentation: Influencia de los micro carbones sedimentarios en la reconstrucción de incendios forestales- Pla de les Presses (Girona)

Authors: Kerfant, C.

Oral presentation: Cuerdas y cestería de fibras de banano: Casos de estudio de Taiwan y Filipinas



### *XXXV Jornadas de Paleontología*

Venue: Baza, Granada

Date: 2<sup>nd</sup> – 5<sup>th</sup> October

Organizers: IPHES and Universidad de Malaga

The XXXV Jornadas de Paleontología of the Sociedad Española de Paleontología were held at Baza (Granada), between October 2<sup>nd</sup> to 5<sup>th</sup> 2019, organized



by IPHES and the Universidad de Málaga (UMA), with the collaboration of the Ayuntamiento de Baza, the Universidad Nacional de Educación a Distancia, the Universidad de Granada (UGR), the Universidad Rovira i Virgili (URV) and the Proyecto Geoparque de Granada.

The Conference of the Sociedad Española de Paleontología was born with the fundamental objective of being the meeting point for specialists in the different fields of Paleontology, so that they constituted the forum for presentation, discussion and exchange of knowledge on the research developed, especially but not exclusively, by Spanish paleontologists.

With regard to the scientific part, oral or poster format communications were presented. The Conference had both free content communications dedicated to different areas of Paleontology, as well as works on a monographic theme. In addition to being the framework for the presentation of paleontological topics of scientific relevance, the Conference has given a warm support to the acts of recognition of the scientific work of prestigious Spanish paleontologists. Two excursions were prepared for the attendees, to visit the Plio-Pleistocene basin of Baza and the Pliocene coastal of Almería.



*Inauguration of the XXXV Jornadas de Paleontología at Baza, Granada*

### **Oral Presentations**

Authors: Bartolini Lucenti, S., Bushkianidze, M., Lordkipanidze, D., **Martínez-Navarro, B.** and Rook, L.

Oral presentation: The carnivorans guild from the Early Pleistocene site of Dmanisi (Georgia)

Authors: García-Aguilar, J.M., Guerra-Merchán, A., Palmqvist, P., **Martínez-Navarro, B.**, Granados, A., Espigares, M. P. and Ros-Montoya, S.

Oral presentation: Lugares de interés paleontológico de la cuenca de Baza (Cordilleras Béticas, España)

Authors: Granados, A., Guerra-Merchán, A., Espigares, M.P., García-Aguilar, J.M., Ros-Montoya, S., **Martínez-Navarro, B.** and Palmqvist, P.

Oral presentation: Aportación de los Ostrácodos a la Reconstrucción Paleoambiental de la Serie Pliocena de Baza (Sur De España)

Authors: Madurell-Malapeira, J., Sorbelli, L., Bartolini Lucenti, S., Rufí, I., Prat-Vericat, M.n Ros-Montoya, S., Espigares, M.P. and **Martínez-Navarro, B.**

Oral presentation: The Iberian latest Early Pleistocene: Glacial pulses, large carnivorans and hominins

Authors: Madurell-Malapeira, J., Sorbelli, L., Ros-Montoya, S., **Martínez-Navarro, B.**, **Vallverdú, J.**, **Pineda, A.**, Rosas, A., **Huguet, R.**, **Cáceres, I.**, García-Taberner, A., **López-Polín, L.**, **Ollé, A.** and **Saladié, P.**

Oral presentation: Acheulian tools and Villafranchian taxa: the latest Early Pleistocene large mammal assemblage from Barranc de la Boella (NE Iberian Peninsula)

Authors: Palmqvist, P., Rodríguez-Gómez, G., Bermúdez de Castro, J. M., Espigares, M.P., Ros-Montoya, S., Granados, A., Serrano, F.J., **Martínez-Navarro, B.** and Guerra-Merchán, A.

Oral presentation: Inferencias sobre la población de homínidos que habitó en la depresión de Guadix-Baza durante el Pleistoceno inferior

### **Posters**

Authors: Roldán, R., Bajo, I., Cárdenas, J., **Martínez-Navarro, B.**, Maestre, M.V., Gómez Montblanch, D.C., Abad, M. and Alberdi, M. T.

Poster: Primer registro de mamíferos terrestres en el Mioceno del suroeste de la Península Ibérica





*Workshop, Pastores y agricultores de la prehistoria. Una mirada transdisciplinar al registro arqueológico de El Mirador (Atapuerca, Burgos)*

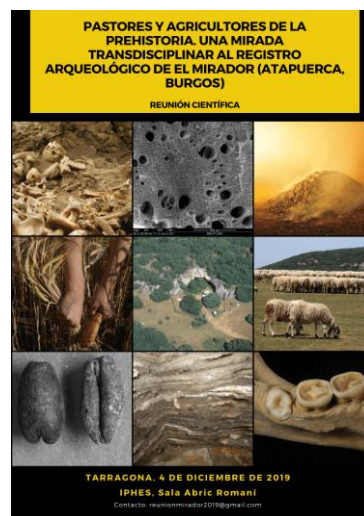
Venue: Tarragona

Date: 4<sup>th</sup> December

Organizers: IPHES

The scientific workshop focused on the research on El Mirador cave (Atapuerca), organized by Ethel Allué (IPHES-URV), Patricia Martín (Universitat de Barcelona) and Josep Maria Vergès (IPHES -URV) on December 4<sup>th</sup> 2019.

The objective of this meeting was to encourage the discussion among assistants and establish future collaborations to progress in the knowledge on the beginning of farming practices in the Meseta.



The scientific workshop had 13 oral communications in which 57 co-authors participated coming from 14 national and international institutions. A wide range of problematics were approached based on 21 disciplines. The meeting included a keynote presentation by Carles Lalueza-Fox (Pompeu Fabra University). The scientific meeting also included an exhibition of materials ("*El Mirador: 20 years of research*") and two photographic series ("*El Mirador: 20 years in 10 images*" and "*El Mirador: a look through the Microscope*").



*Group picture of the assistants at Workshop*

**Oral Presentations**

Authors: **Expósito, I.**, Bañuls, S., **Bisbal-Chinesta, J.**, Euba, I., **Allué, E.**, **Blain, H.** and **López-García, J.**

Oral presentation: Paleoambiente: evidencias arqueobotánicas y micropaleontológicas

Authors: Martín, P., **Expósito, I.**, **Allué, E.**, **Burguet-Coca, A.**, **Cano, N.**, Lira Garrido, J. and **Tornero, C.**

Oral presentation: Gestión agroganadera en El Mirador: evidencias zooarqueológicas, isotópicas y arqueobotánicas

Authors: **Saladié, P.**, Marginedas, F., **Rodríguez-Hidalgo, A.** and **Moreno, M. A.**

Oral presentation: El canibalismo en la Cueva del Mirador, pasado, presente y futuro

Authors: Lira, J., Bover, P., Matallanas, B., Cruz Varona, A., de Miguel, P., Martín, P., **Vergès, J. M.**, Arsuaga, J. L., de la Peña, A. and de Arana, M. P.

Oral presentation: Estudios genéticos sobre los équidos de El Mirador (sierra de Atapuerca, Burgos, España)

Authors: **Burguet-Coca, A.**, **Polo-Díaz, A.**, Buitkute, E., **Cáceres, I.**, del Valle, H. and **Expósito, I.**

Oral presentation: Fuego y procesos tafonómicos en la secuencia de "fumiers" de El Mirador

Authors: Herrejón, A., Carrancho, A., Villalaín, J. J. and **Vergès, J. M.**

Oral presentation: Estudios arquemagnéticos en la cueva de El Mirador. Nuevos avances y perspectivas de trabajo

Authors: **Guardiola, M.**

Oral presentation: La industria lítica del sondeo de El Mirador

Authors: **Vergès, J. M.**

Oral presentation: La excavación y la experimentación en torno a El Mirador

Authors: **Lozano, M.**, **Willman, J.C.**, **Gamarra, B.**, Ceperuelo, D. and **Hernando, R.**

Oral presentation: Novedades en el estudio de los restos dentales de El Mirador

Authors: Gea, J., Massó, L., Navarro, B., Gorostizu, A., **Vergès, J. M.**, Sánchez, A., Sampedro, M.C., Vallejo, A., Goicolea, M. A. and Barrio, R. J.

Oral presentation: Esteroles, ácidos biliares y hormonas como posibles biomarcadores de especie y prácticas pastoriles

**Posters**

Authors: **Burguet-Coca, A.**, **Allué, E.**, **Expósito, I.**, Alonso, N., Cabanes, D., Cano, N., **Hernando, R.**, **Lozano, M.**, **Martín, P.**, **Tornero, C.**, **Willman, J.**, Martínez-Moreno, J., Mora, R. and **Vergès, J.M.**

Poster: Forests, Fields, Fuel, Fodder, Food, and Fire in Iberian Peninsula during the Neolithic to Bronze Age occupations at Cova Gran (Southern Pre-Pyrenees, Lleida) and El Mirador (Sierra de Atapuerca, Burgos). A multidisciplinary approach based on bioarchaeology

Authors: **Burguet-Coca, A.** and **Expósito, I.**

Poster: Building a fumier; following the trail of the vegetal microremains



## Congresses, Workshops & Seminars attended by IPHES

### National

#### **I Congreso de Ciencia, Feminismo y Masculinidades (CICFEM)**

Venue: València

Date: 1<sup>st</sup> – 2<sup>nd</sup> March

Organizers: Asociación Universitaria Ciencia, Feminismo y Masculinidades

Authors: **Gómez-Puche, M.** and **Fontanals, M.**

Oral presentation: Políticas de igualdad de género en la investigación en Humanidades: el Institut Català de Paleoecologia Humana i Evolució Social (IPHES) como caso de estudio

#### **II Jornades de Recerca del Parc Natural de l'Alt Pirineu**

Venue: Burg, Lleida

Date: 2<sup>nd</sup> – 4<sup>th</sup> May

Organizers: Parc Natural de l'Alt Pirineu

Authors: **Arilla, M., Rosell, J.** and Blasco, R.

Oral presentation: Neo-taforomia d'úrsids: establint les seqüències de consum de l'ós bru (*Ursus arctos*) al Pirineu Català (Val d'Aran i Pallars Sobirà) per a posteriors aplicacions arqueològiques

#### **V Reunió OIKOS de Bioarqueologia**

Venue: Barcelona

Date: 24<sup>th</sup> – 25<sup>th</sup> May

Organizers: Associació Catalana de Bioarqueologia and Universitat Autònoma de Barcelona

Authors: **Téllez, E., Saladié, P., Pineda, A.** And Marín, J.

Oral presentation: Cremación y color en la superficie ósea: desarrollo experimental y aplicación al registro del nivel Qa del Abric Romaní



Edgar Téllez during his oral presentation at V Reunió Oikos de Bioarqueologia. @atpineda

Authors: Mas, B., **Allué, E.**, Riera, S., and Oms, X.

Oral presentation: Antropització i aprofitament dels boscos: anàlisi antracològica de la seqüència holocena de la cova del Toll (Moià, Barcelona)

Authors: **Pineda, A., Saladié, P., Huguet, R., Cáceres, I.** and **Vallverdú, J.**

Oral presentation: El Barranc de la Boella (la Canonja, Tarragonès): *statu quo* arran d'un llustre d'estudis tafonòmics

Authors: **Mateo, P., Rivals, F.**, Blasco, R. and **Rosell, J.**

Oral presentation: Los retocadores en hueso de la cova de les Teixoneres (MIS 3; Moià, Barcelona)

Authors: **Revelles, J.**, Ghilardi, M. and Vacchi, M.

Oral presentation: Evolució paleoambiental del litoral de Còrsega durant l'holocè mitjà. Història de la vegetació i impacte antròpic des del neolític antic

Authors: **Díez-Canseco, C.**, González-Guarda, E., **Martínez-Polanco, M.F.**, **Ramírez-Pedraza, I., Sánchez-Hernández, C., Tornero, C.** and **Rivals, F.**

Oral presentation: Bears, Elephants, Horses and Transhumant Sheep among Others: Playing with Dental Microwear and Isotopes to Reconstruct Life of Ancient Populations

Authors: Piqué, R., **Revelles, J.**, Berihuete, M., Girbal, J., Palomo, A. and Terradas, X.

Oral presentation: L'ús de fongs com a esca en l'assentament neolític de la Draga (NE Iberia)

Authors: **Ramírez-Pedraza, I., Rodríguez-Hidalgo, A., Tornero, C., Rivals, F., Van der Made, J., Hammouti, K., Haddoumi, H., Aouraghe, H., Chacón M.G.** and **Sala-Ramos, R.**

Oral presentation: High Resolution Multi-Proxy Analyses to Reconstruct the Paleoenvironments During the Early Pleistocene in the Geographic Area of Guefaït (Morocco)

Authors: **Burguet-Coca, A.**

Oral presentation: Una finestra microarqueològica als contextos d'estabulació prehistòrics. El programa arqueo-experimental del corral del Mas d'en Pepet

Authors: **Rodríguez-Hidalgo, A.**, Morales, J.I., García-Argudo, G., Courtenay, L. A., Fernández-Marchena, J.L., Marín, J., **Saladié, P.**, Soto, M., Tejero, J. M., Cebrià, A. and Fullola Pericot, J. M.

Oral presentation: Manipulación antrópica y uso de garras de águila imperial como elementos de adorno personal por los neandertales de Cova Foradada (Calafell, Baix Penedès)

Authors: Bianco, S., Paradis-Grenouillet, S. and **Allué, E.**

Poster: Reconstrucción del paisaje y explotación forestal en la edad media tardía en el Parco delle Madonie (Palermo, Italia). Resultados preliminares de la aplicación de la dendro-antracología por *Fagus sylvatica*

### **XXI Congreso de la Sociedad Española de Antropología Física – SEAF2019**

Venue: Granada

Date: 24<sup>th</sup> – 28<sup>th</sup> June

Organizers: Sociedad Española de Antropología Física

Authors: Corraliza, A., Camarós, E., **Tornero, C., Ramírez, I.**, Torra-Costes, J. and Merlière, É.

Oral presentation: Un caso de trepanación craneal en Medina Yabisa (ss. XI-XII, Ibiza, España)



### **XV Reunión Nacional de Cuaternario**

Venue: Bilbao

Date: 1<sup>st</sup> – 7<sup>th</sup> July

Organizers: Universidad del País Vasco

Authors: Sanchís, A., **Pérez, L.**, Real, C., Duarte, E. and De la Rasilla, M.

Oral presentation: Leopardos en la Cueva de Llonin (Asturias, MIS 3). Estudio de la colección e interacción con los humanos

### **XII Jornadas de Jóvenes en Investigación Arqueológica**

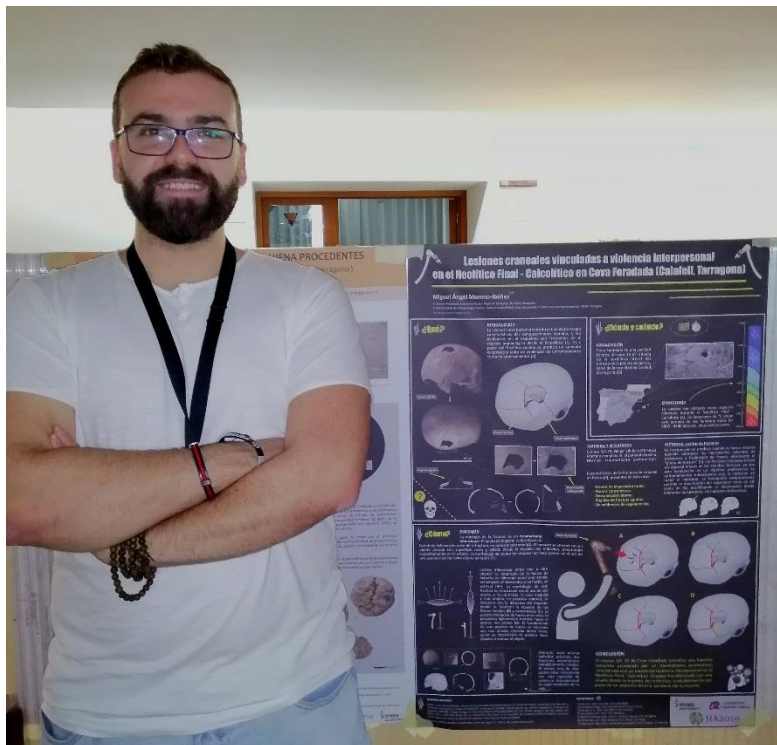
Venue: Pontevedra

Date: 16<sup>th</sup> – 19<sup>th</sup> October

Organizers: Asociación Cultural Xuvenca

Authors: **Moreno-Ibáñez, M.A.**

Poster: Lesiones craneales vinculadas a violencia interpersonal en el Neolítico Final – Calcolítico en Cova Foradada (Calafell, Tarragona)



*Miguel Ángel Moreno with his poster presented at XII JIA congress. @Miguel\_preh*

Authors: **Soares-Ramiseiro, M.A.**, **Arteaga-Briebe, A.**, Borrás, G., Cámara, J., Fernández-Marchena, J.L., López, G., Más, B., **Suesta, A.**, Shkarinska, K., Ramírez, I. and Val-Peón, C.

Poster: La explotación del sílex en el margen oriental de la depresión del Ebro (Sant Martí de Tous, Anoia, Barcelona)

Authors: **Hernando, R.**, Yustos, M. and **Moreno, M.A.**

Poster: Re-análisis de los fondos de museo: El caso de los individuos del Dolmen de Mazariegos (Mecerreyes, Burgos)

Authors: Montemayor, A. and **Pineda, A.**

Poster: Tratamiento de los coprolitos de hiena procedentes del yacimiento de la Mina (Barranc de la Boella, Tarragona)

Authors: Marginedas, F. and **Moreno-Ibáñez, M.A.**

Poster: Elaboración de cráneos copa: análisis de las marcas de corte en cráneos canibalizados de cinco yacimientos arqueológicos europeos

### **I Jornades internacionals de l'art rupestre de l'arc mediterrani de la Península Ibèrica**

Venue: Montblanc, Tarragona

Date: 24<sup>th</sup> – 25<sup>th</sup> October

Organizers: Museu Comarcal de la Conca de Barberà

Authors: **Vergès, J. M.**

Poster: El context arqueològic: epipaleolític i neolític al llevant peninsular

### **Últimas tecnologías aplicadas a la conservación del Patrimonio Cultural: Problemática y soluciones**

Venue: Zaragoza

Date: 25<sup>th</sup> – 27<sup>th</sup> October

Organizers: Universidad de Zaragoza

Authors: **Díaz-Cortés, A.** and **López-Polín, L.**

Poster: Evaluación de la consolidación en material óseo fósil: la penetración

### *International*

### **1<sup>st</sup> Meeting of the Iberian Ecological Society (SIBECOL) and XIV AEET meeting**

Venue: Barcelona

Date: 4<sup>th</sup> – 7<sup>th</sup> February

Organizers: Iberian Ecological Society and Universitat de Barcelona

Authors: Pèlachs, A., Pérez-Obiol, R., Rodríguez, J.M., **Burjachs, F.**, **Expósito-Barea, I.**, Yll, E.I., Julià, R., Bal, M.-Cl. and Soriano, J.M.

Poster: Environmental history of Burg lake (1821 m): 18,000 years to test ecological questions

### **III Jornadas científicas del Museo Nacional de Ciencias Naturales**

Venue: Bellaterra, Barcelona

Date: 23<sup>rd</sup> February

Organizers: Universitat de Bellaterra

Authors: Gómez, C., **Huguet, R.** and Yravedra, J.

Oral presentation: Estrategías de subsistencia de los grupos humanos del Paleolítico superior peninsular

### **10<sup>th</sup> International Conference on Complex Networks (COMPLENET '19)**

Venue: Tarragona

Date: 18<sup>th</sup> – 21<sup>st</sup> March



Organizers: Universitat Rovira I Virgili

Authors: **Lozano, S.**, Morer, I., Cardillo, A., **Prignano, L.** and Díaz-Guilera, A.

Oral presentation: Comparing spatial networks: A 'one size fits all' efficiency-driven approach

### **American Association of Physical Anthropology (AAPA)**

Venue: Cleveland, USA

Date: 27<sup>th</sup> – 30<sup>th</sup> March

Organizers: American Association of Physical Anthropology

Authors: **Willman, J. C.**, Ginter, B., **Hernando, R.**, **Lozano, M.**, Sobczyk, K., Stefański, D. and Zarzecka-Szubińska, K.

Poster presentation: Paleobiology and Taphonomy of a Middle Paleolithic Neandertal Tooth from Cienma Cave, Southern Poland

Authors: **Hernando, R.**, **Willman, J.C.**, Matu, M. and Crevecoeur, I.

Poster: A new interpretation of the anomalous dental modifications of Olduvai Hominid 1 (OH1), Tanzania



*Raquel Hernando presenting her poster at AAPA meeting. @Hernando90R*

### **Cross-disciplinary Approaches to Prehistoric Demography (CrossDem 2019)**

Venue: London, UK

Date: 29<sup>th</sup> – 30<sup>th</sup> March

Organizers: University College of London

Authors: **McLaughlin, R.** **Gómez-Puche, M.**, **Lozano, S.** and **Fernández-López de Pablo, J.**

Oral presentation: Human population dynamics at the Atlantic façade of Iberia during the Late Glacial and Early Holocene: empirical grounds and methodological strategies

**84<sup>th</sup> Society for American Archaeology's Annual Meeting**

Venue: Albuquerque, USA

Date: 10<sup>th</sup> – 14<sup>th</sup> April

Organizers: Society for American Archaeology

Authors: **Fernández-López De Pablo J., Brisset E.,** Tormo, C. And Sanchís, A.

Oral presentation: Central Place Foraging Models and Early Holocene coastal adaptations in the Western Mediterranean

Authors: Mercader, J., Clarke, S., Favreau, J., Fernández-Marchena, J.L., Inwood, J., Itambu, M., Larter, F., Lee, P., Mwambwiga, A., **Ollé, A.,** Patalano, R., Pedergrana, A., Tucker, L. and Soto, M.

Oral presentation: Microremains on Stone (Tools): Discriminating function-related from natural residues

**61<sup>th</sup> Annual Meeting of the Hugo Obermaier Society**

Venue: Erkrath and Mettmn, Germany

Date: 23<sup>rd</sup> – 27<sup>th</sup> April

Organizers: Hugo Obermaier Society

Authors: **Rivals, F.,** Richter, J. and Uthmeier, T.

Poster: Seasonality and duration of occupations of the Neanderthal settlements at Sesselfelsgrötte

Authors: **Ramírez-Pedraza, I., Mateo, P.,** Blasco, R., **Rivals, F.** and **Rosell, J.**

Poster: Old collections, new challenges: Contextualizing old archaeological materials from the Toll Cave (Moià, Barcelona)

**11<sup>th</sup> Experimental Archaeology Conference (EAC11)**

Venue: Trento, Italy

Date: 2<sup>nd</sup> – 4<sup>th</sup> May

Organizers: University of Trento

Authors: Cueva-Temprana, A., **Lombao, D.,** Morales, J.I. and **Mosquera, M.**

Poster: Gestures during knapping: experimental approach and archaeological recognition

Authors: **Mateo Lomba, P., Ollé, A.** and **Cáceres, I.**

Poster: Knapped bone tools: an experimental approach.

**Technart 2019**

Venue: Bruges, Belgium

Date: 7<sup>th</sup> – 10<sup>th</sup> May

Organizers: University of Antwerp

Authors: **Díaz-Cortés, A.** and **López-Polín, L.**

Poster: Evaluation of vibrational spectroscopic techniques as a tool to define the penetration depth of fossil bones consolidation treatments





**TraceoLab Research Seminars**

Venue: Liège, Belgium  
 Date: 9<sup>th</sup> May  
 Organizers: University of Liège

Authors: **Asryan, L.**

Oral presentation: Visiting the TraceoLab: My past experience, Current Research and Future Perspectives in archaeology

**Paleodays 2019: XIX Riunioni annuale de la Società Paleontologica Italiana-SPI**

Venue: Benevento and Pietraroja, Italy  
 Date: 21<sup>st</sup> - 25<sup>th</sup> May  
 Organizers: Società Paleontologica Italiana

Authors: **Martínez-Navarro, B.**, Ros-Montoya, S., Luengo-Gutiérrez, F.J., Espigares, M.P., García-Aguilar, J.M., Guerra-Merchán, A., Rodríguez-Rueda, A. and Palmqvist, P

Oral presentation: Baza-1 (Spain): a new and exceptional Pliocene continental site in Europe

**3<sup>rd</sup> Pathways to Ancient Britain (PAB) workshop**

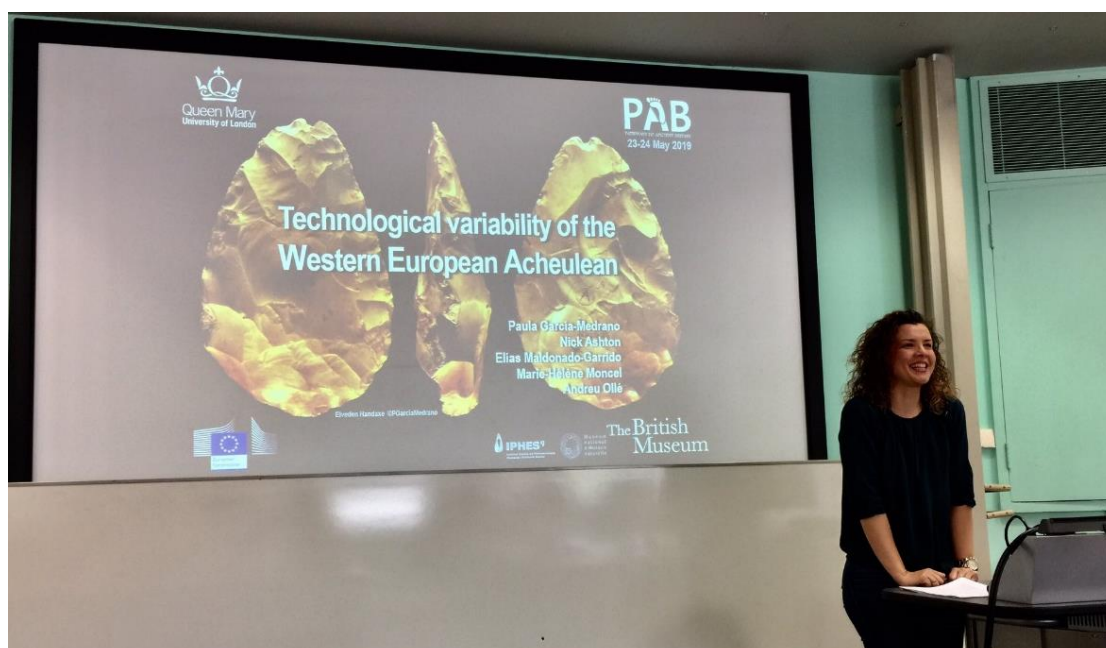
Venue: London, UK  
 Date: 23<sup>rd</sup> – 24<sup>th</sup> May  
 Organizers: Queens Mary University of London

Authors: **Lombao, D.**, García-Medrano, P. and Garrido-Maldonado, E.

Oral presentation: Measuring reduction intensity and its effect on morphology: the case of Swanscombe and High Lodge

Authors: García-Medrano, P., Ashton, N., Moncel, M-H. and **Ollé, A.**

Oral presentation: The technological variability of the Western European Acheulean



*Paula García Medrano participating at PAB workshop. @PGarciaMedrano*

**XXXVI Congreso de las enfermedades cardiovasculares**

Venue: Alicante

Date: 24<sup>th</sup> May

Organizers: Sociedad Valenciana de Cardiología

Authors: **Mosquera, M.**

Invited talk: Humanización y Hominización

**3<sup>rd</sup> "World of Gravettian Hunters"**

Venue: Kraków, Poland

Date: 24<sup>th</sup> - 25<sup>th</sup> May

Organizers: Institute of Systematics and Evolution of Animals, Polish Academy of Sciences  
Sławkowska

Authors: García-Argudo, G., **Vergès, J. M.** and Fullola, J. M.

Invited talk: Ornamental traditions in northeast Iberia during Early Upper Palaeolithic

**Workshop Primate Archaeology: Humans and not Humans**

Venue: Sao Paulo, Brazil

Date: 28<sup>th</sup> May

Organizers: Instituto de Estudos Avançados da Universidade de Sao Paulo

Authors: **Arroyo, A.**

Oral presentation: Pounding activities: where primatology meets archaeology

**XLII Annual Meeting of Serbian Archaeological Society**

Venue: Negotin, Serbia

Date: 30<sup>th</sup> May – 1<sup>st</sup> June

Organizers: Serbian Archaeological Society and EXARC

Authors: Radinović, M., Arzarello, M., **Ollé, A.** and Berruti, G.

Oral presentation: Characterizing flakes produced by bipolar knapping on an anvil: experimental insights

**XIV<sup>th</sup> ASWA meeting (Archaeozoology of Southwest Asia and Adjacent Areas)**

Venue: Barcelona

Date: 3<sup>rd</sup> – 7<sup>th</sup> June

Organizers: Universitat Autònoma de Barcelona

Organizer committee: Saña, M., **Tornero, C.** and Alcàntara, R.

Authors: Gourichon, L., Helmer, D., **Tornero, C.** and Ibáñez, J.J.

Oral Communication: Animal resource exploitation at Tell Qarassa North, an Early Pre-Pottery Neolithic B village in southern Syria



Authors: **Rivals, F.**, Rabinovich, R., **Ramirez, I.**, Khalaily, H., Valla, F. and Bridault, A.  
 Oral presentation: Ungulates paleodiet and seasonality in the Final Natufian assemblage from Eynan/Ain Mallaha (Northern Jordan Valley, Israel)



*Florent Rivals at XIV<sup>th</sup> ASWA meeting. @carlestornero*

**INRA Symposium “Neuroendocrine mechanisms and sustainable control of seasonality in sheep and goats”**

Venue: Nouzilly, France

Date: 13<sup>th</sup> June

Organizers: Neuroendocrinologie des Interactions et Comportements Sexuels

Authors: Balasse, M., **Tornero, C.**, Fabre, M., Bréhard, S., Vigne, J. D. and Manen, C.

Invited presentation: Seasonality of lambing in past sheep: a zooarchaeological perspective

**PZAF - Postgraduate ZooArchaeology Forum**

Venue: Yerevan, Armenia

Date: 21<sup>st</sup> – 23<sup>rd</sup> June

Organizers: National Academy of Sciences of Armenia and Institute of Archaeology, University of Warsaw

Authors: Messana, Ch., Martín, P., **Tornero, C.**, **Ollé, A.**, **Vergès, J.M.** and Forgia, V.

Oral presentation: Early mobile caprine systems in Sicily island through zooarchaeological and isotopic analyses: a new research project

**EdMedia + Innovate Learning 2019**

Venue: Amsterdam, Netherland (online)

Date: 24<sup>th</sup> – 28<sup>th</sup> June

Organizers: Association for the Advancement of Computing in Education

Authors: Subirats, L., Fort, S., Hernández, S.M. **Pérez, L.**, Vesisenaho, M., Nousiainen, T., Peltonen, M. Miakush, I. and Gómez Moñivas, S.

Oral presentation: Intelligent Tutoring System in Archaeology

**Atapuerca: últimos descubrimientos y nuevas tecnologías para el estudio del pasado (Curso de verano UBU)**

Venue: Burgos

Date: 9<sup>th</sup> July

Organizers: Universidad de Burgos

Authors: **Ropdríguez-Álvarez, X. P.**

Oral presentation: El yacimiento Sima del Elefante

Authors: **Ollé, A.**

Oral presentation: La secuencia arqueológica del yacimiento de Gran Dolina

**MedPalyno2019: The Mediterranean Palynological Societies Symposium**

Venue: Bordeaux, France

Date: 9<sup>th</sup> – 11<sup>th</sup> July

Organizers: Association des Palynologues de Langue Française (APLF), Asociación de Palinólogos de Lengua Española (APLE) and Gruppo di Palinologia e Paleobotanica della Società Botanica Italiana (GPPSBI)

Authors: **Revelles J., Brisset E., Burjachs F. and Expósito I.**

Oral presentation: Vegetation history and human impact since Neolithic in the eastern coast of Iberia. New pollen record from the Pego-Oliva basin (Valencia, Spain)

Authors: **Revelles, J.**, Ghilardi, M. and Vacchi, M.

Oral presentation: Mid-Holocene palaeoenvironmental evolution along the coast of Corsica. Vegetation history and human impact since Early Neolithic

**VIIIth Workshop on Non-Pollen Palynomorphs**

Venue: Barcelona

Date: 15<sup>th</sup> – 19<sup>th</sup> July

Organizers: Institut de Ciències de la Terra Jaume Almera and Universitat Pompeu Fabra

Authors: **Revelles J.**

Oral presentation: Attributing ecological and geoarchaeological significance to non-pollen palynomorphs. The study case at the early Neolithic site of La Draga (Banyoles, NE Iberian Peninsula)

**International Meeting on Paleoclimate: Change and Adaptation**

Venue: Coimbra, Portugal

Date: 18<sup>th</sup> – 19<sup>th</sup> July

Organizers: University of Coimbra

Authors: Ferreira, C., Vis, G.J., **Burjachs, F.** and Rosina, P.

Oral presentation: Holocene palaeoenvironmental records in the Lower Tagus Valley (Portugal)

**20<sup>th</sup> Congress of the International Union for Quaternary Research (INQUA)**

Venue: Dublin, Ireland

Date: 24<sup>th</sup> – 31<sup>st</sup> July

Organizers: Trinity College and INQUA



Authors: Oksanen O., Zliobaite I., Saarinen J., Domingo S., Cantalapiedra J., Viranta S., Tittton S., Serrano-Ramos A., Kaakinen A., **Blain H.-A.**, Oms O., **Agustí J.**, Luzón C., García-Solano J., **Barsky D.**, Fortelius M. and Jiménez Arenas J.M.

Oral presentation: An ecometric perspective on early human occupation in western Eurasia

Authors: **Fernández-López De Pablo J.**, **Brisset E.**, **Gomez-Puche M.**, **Polo A.**, **Mc Laughlin R.** and **Burjachs F.**

Oral presentation: Human-environmental interactions during the Early Holocene in the central region of Eastern Iberia: settlement dynamics and foraging adaptations

Authors: Hölzchen, E., Hertler, C., Mateos, A., Rodríguez, J., Berndt, J.O., Lorig, F., Timm, I.J., Willmes, C., Sommer, C., Romanowska, I., Altolaguirre, Y., García-Medrano, P., **Ollé, A.**, Moncel, M.-H. and Palombo, M.R

Oral presentation: Agent-based modeling of hominin spatial interactions in Europe: EMPT Dispersal and Mobility simulations developed in the METHOD IFG

Authors: **Blain H.-A.**, Fagoaga A., Ruiz-Sánchez F.J., **Bisbal-Chinesta, J.F.** and Delfino M.

Oral presentation: Latest Villafranchian climate and landscape reconstructions at Pirro Nord (southern Italy) based on amphibian and reptile assemblages

Authors: Ghilardi, M., **Revelles, J.**, Currás, A., Rossi, V., Vacchi, M., Garcia, M., Tachikawa, K., Bard, E. and Brkojewitsch, G.

Oral presentation: Assessing anthropogenic impacts on the landscape configuration of coastal areas of Corsica (France) from Early Neolithic to Late Roman times

Authors: **Chacón, M.G.**, Morales, J. I., Soto, M., **Lombao, D.**, **Canals, A.**, Benito-Calvo, A., Arnold, L., Duval, M., Bartrolí, R., Tarrío, A., De Lombera, A., Souhir, M., Haddoumi, H., El Hammouti, K., Aouraghe, H. and **Sala-Ramos, R.**

Oral presentation: Latest Villafranchian climate and landscape reconstructions at Pirro Nord (southern Italy) based on amphibian and reptile assemblages

Authors: **Agustí, J.**, **Blain, H.A.**, Sánchez-Bandera, C., **Lozano-Fernández, I.**, **Piñero, P.**, Furió, M., Oms, O., **Barsky, D.** and Jiménez-Arenas, J.M.

Poster: Small vertebrates from Fuente Nueva 3 (Guadix-Baza Basin, SE Spain) and their bearing on the early Pleistocene hominin occupation of Western Europe

Authors: **Rivals, F.**

Poster: Resource partitioning and interspecific interactions among Pleistocene large herbivore species: a tooth wear approach.

Authors: **Ramírez-Pedraza, I.**, Andrés, M., **Rivals, F.**, Blasco, R. and **Rosell J.**

Poster: Making sense of the faunal accumulation and palaeoecology at the Toll Cave through the multidisciplinary study of cave bear (*Ursus spelaeus*) remains

### **East African association for paleoanthropology and paleontology (EAAPP) seventh biennial conference**

Venue: Nairobi, Kenya

Date: 1<sup>st</sup> – 4<sup>th</sup> August

Organizers: East African association for paleoanthropology and paleontology

Authors: Medin, T., **Martínez-Navarro, B.**, Oms, O., **Rodríguez-Álvarez, X.P.**, Araya, D., Zerai, A., Rook, L. and **Carbonell, E.**

Oral Presentation: The Engle Ella-Ramud Basin (Eritrea): a new geo-archaeo-paleontological site in the Danakil depression

Authors: Mwambwiga, A., Clarke, S., Favreau, J., Fernández-Marchena, J. L., Inwood, J., Itambu, M., Larter, F., Lee, P., **Ollé, A.**, Patalano, R., Pedergrana, A., Soto, M., Mercader, J.

Oral presentation: How to distinguish between residues on natural stones and utilised experimental lithics from Olduvai Gorge, Tanzania

**anthraco2019 – 7<sup>th</sup> International Anthracology Meeting Charcoal Science in Archaeology and Pal-aeoecology**

Venue: Liverpool, UK

Date: 2<sup>nd</sup> – 6<sup>th</sup> September

Organizers: University of Liverpool

Authors: **Allué, E.**, Murphy, Ch., Kingwell-Banham, E., Bohingamuwa, W., Adi-kari, G., Perera, N., Boivin, N. and Fuller, D.

Oral presentation: A step forward into tropical regions anthracology. Vegetation and wood uses in ancient Sri Lanka based on the charcoal record from Mantai, Kirinda and Kantharodai

Authors: Bianco, D., Paradis-Grenouillet, S., **Allué, E.**, Vincenza, F. and **Vergès, J. M.**

Poster presentation: Dendrological studies application on two charcoal kilns in Madonie Park (Pa-lermo, Italy). Preliminary results about the exploitation of *Fagus sylvatica* in 14th century A.D.

**European Association of Archaeologist (EAA)**

Venue: Bern, Switzerland

Date: 4<sup>th</sup> – 7<sup>th</sup> September

Organizers: European Association of Archaeologist

Authors: **Lozano, M.**, **Willman, J.C.**, **Hernando, R.** and Ceperuelo, D.

Oral presentation: Microscopic and virtual approaches to oral pathology: a case study from El Mirador Cave (Sierra de Ata-puerca, Spain)

Authors: Andreaki, V., **Revelles, J.** and Terradas, X.

Oral presentation: Climate questions: interdisciplinary proxies for local answers: Micromorphological and palynological data at the wetlands of La Draga, Lake Banyoles (NE Iberian peninsula)

Authors: Messana, C.; Martín, P.; **Tornero, C.**; **Vergès, J.-M.** and **Fontanals, M.**

Poster: Mobile Mountains Early Neolithic Societies Through the Integration of Zooarchaeological and Isotopic Analyses: The Font Major Case (Catalonia)

**Late Miocene of the Iori Valley (Georgia): Understanding primate turnover in the Southern Caucasus**

Venue: Tbilisi, Georgia

Date: 7<sup>th</sup> September

Organizers: Georgian National Museum



Authors: **Agustí, J.**

Invited talk: Small vertebrates from the late Miocene of Udabno (Georgia)

**European Federation of Primatology and Primatological Society of Great Britain's Joint International Conference (EFP-PSGB 2019)**

Venue: Oxford, UK

Date: 8<sup>th</sup> – 11<sup>th</sup> September

Organizers: Oxford University

Authors: **Arroyo, A.**, Luncz, L., Falótico, T. and Proffitt, T.

Oral presentation: The effect of raw material quality on primate anvils

**14<sup>th</sup> International Conference on Mercury as a Global Pollutant**

Venue: Krakow, Poland

Date: 8<sup>th</sup> – 13<sup>th</sup> September

Organizers: AGH University of Science and Technology

Authors: Guédron, S., Telu, J., **Brisset, E.** And Perrot, V.

Oral presentation: Holocene reconstruction of Hg deposition in the central Andes: respective contribution of climate change, volcanism and anthropogenic activities

**RCMNS Interim Colloquium "Continental-marine interactions during the Neogene in the Mediterranean area".**

Venue: Granada

Date: 10<sup>th</sup> – 12<sup>th</sup> September

Organizers: Departamento de Estratigrafía y Paleontología, Universidad de Granada

Authors: **Agustí, J.**

Invited talk: Late Neogene mammal exchanges and the evolution of the Betic corridor

**Protolang 6 Conference Series**

Venue: Lisbon, Portugal

Date: 11<sup>th</sup> September

Organizers: Fundação Calouste Gulbenkian

Authors: **Mosquera, M.**

Invited talk: Hand laterality, task complexity, technology and language in human evolution: A Reappraisal

**Regional Conference On Geomorphology Athens 2019**

Venue: Athens, Greece

Date: 15<sup>th</sup> - 18<sup>th</sup> September

Organizers: International Association of Geomorphologists

Authors: Ghilardi, M., **Revelles, J.**, Glais, A., Theodorakopoulou, K., Theodoropoulou, T., Lespez, L., Longo, F. and Rossi, A.

Oral presentation: New data for reconstructing landscape change in the Western Plain (Phaistos, Crete, Greece) from the Geometric period to Early Byzantine times: assessing shifts in human land-use and the impact of climate changes

### **25<sup>th</sup> International Cave Bear Symposium**

Venue: Paklenica, Croatia

Date: 17<sup>th</sup> – 22<sup>nd</sup> September

Organizers: Paklenica National Park

Authors: **Ramírez-Pedraza, I.**, Münzel, S.C., Bocherens, H., **Tornero, C.** and **Rivals, F.**

Oral presentation: Comparing the cave bear diet through tooth microwear analysis from several Late Pleistocene sites in Southwest and Central Europe

### **9<sup>th</sup> Annual European Society for the study of Human Evolution (ESHE) Meeting**

Venue: Liège, Belgium

Date: 19<sup>th</sup> – 21<sup>st</sup> September

Organizers: European Society for the study of Human Evolution

Authors: Vanwezer, N., Louys, J., Breitenbach, S., Picin, A., Breeze, P., Cueva-Temprana, A., **Burguet-Coca, A.**, Sánchez-Martínez, J., Zander, A., Candy, I., Jamsranjav, A., Boivin, N. and Petraglia, M.

Oral presentation: 10,000 km and 21 flat tires: New interdisciplinary archaeological investigations of the palaeolakes and caves in the Gobi-Altai, Mongolia

Authors: **Bucchi, A.**, Luengo, J., **Del Bove, A.** and **Lorenzo, C.**

Poster: Entheasal patterns in proximal phalanges of African apes and modern humans

Authors: Picin, A., **Chacón, M., G., Gómez de Soler, B.**, Blasco, R. **Rivals, F.** and **Rosell, J.**

Poster: Neanderthals lithic toolkits in high mobility context: an overview from Teixoneres Cave (Spain)

Authors: **Del Bove, A.** Profico, A., **Bucchi, A.** and **Lorenzo, C.**

Poster: Sexual dimorphism in the human calvarium: a Geometric Morphometric approach

Authors: **Pineda, A.** and **Saladié, P.**

Poster: Open-air sites reveal evidences about Lower Paleolithic hominin foraging activities

Authors: **Mateo-Lomba, P., Cáceres, I.** and **Ollé, A.**

Poster: Carcass processing with bone tools: a multidisciplinary approach

Authors: **Lombao, D.**, Rabuñal, J.R., Cueva-Temprana, A., Morales, J.I. and **Mosquera, M.**

Poster: A new method to infer the reduction intensity on cores and handaxes: The Volumetric Reconstruction Method (VRM)







*IPHES members at ESHE meeting*

Authors: Pablos, A., **Lorenzo, C.** and Arsuaga, J.L.

Poster: A notch in the hallux. Presence of pseudoepiphysis in the hallucal metatarsals from Sima de los Huesos Middle Pleistocene site (Atapuerca, Burgos)

**Calpe Conference 2019 “Archaeological and Heritage Research in Gibraltar: the past thirty years in the Context of Iberia and North Africa”**

Venue: Gibraltar, UK

Date: 19<sup>th</sup> – 21<sup>st</sup> September

Organizers: University of Gibraltar

Authors: **Sala-Ramos, R.**, Aouraghe, H., **Chacón, M.G.**, Haddoumi, H., Morales, J.I., El Hammouti, K., **Rodríguez-Hidalgo, A.**, **Tornero, C.**, Oujaa, A., Bengarmra, S., Soto Quesada, M., Benito, A., El Atmani, A., Duval, M., Arnold, L., **Blain, H.-A.**, **Rivals, F.**, **Burjachs, F.**, Tarriño, A., Álvarez, C., Souhir, M., **Saladié, P.**, Pla Pueyo, S., Álvarez Posada, C., Larrasoña Gorosquieta, J.C., Marín, J., **Moreno, E.**, De Lombera-Hermida, A., Bartrolí, R., **Lombao, D.**, García-Argudo, G., **Ramírez, I.**, **Díez-Canseco, C.**, Tomasso, S., **Expósito, I.**, Noureddine, H., Mhamdi, H., Rhosne, H., Carrancho, Á., Villalaín, J.J., Van der Made, J., **Canals, A.**, **Agustí, J.** and Parés, J.M.

Oral presentation: Evolution of the hominin settlement in the Aïn Beni Mathar – Guefaït basin, Eastern Morocco.

**2<sup>nd</sup> World Congress on Climate Change**

Venue: Berlin, Germany

Date: 26<sup>th</sup> – 28<sup>th</sup> September

Organizers: Innovinc International Conferences

Authors: **López-García, J.M.**

Invited conference: Detecting Environmental and Climatic Changes in Western Mediterranean during the Late Quaternary Using Small Mammal Assemblages

### **Workshop Current approaches to farming and food practices during late Prehistory**

Venue: Lleida

Date: 4<sup>th</sup> – 5<sup>th</sup> October

Organizers: Universitat de Lleida

Authors: **Burguet-Coca, A., Allué, E., Expósito, I.,** Alonso, N., Cabanes, D., Cano, N., **Hernando, R., Lozano, M., Martín, P., Tornero, C., Willman, J.,** Martínez-Moreno, J., Mora, R. and **Vergès, J.M.**

Poster presentation: Forests, Fields, Fuel, Fodder, Food, and Fire in Iberian Peninsula during the Neolithic to Bronze Age occupations at Cova Gran (Southern Pre-Pyrenees, Lleida) and El Mirador (Sierra de Atapuerca, Burgos). A multidisciplinary approach based on bioarchaeology

### **79<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology**

Venue: Brisbane, Australia

Date: 9<sup>th</sup> – 12<sup>th</sup> October

Organizers: Society of Vertebrate Paleontology

Authors: Folie A., **Martínez Monzón A., López-García J.M., Lozano-Fernández I.** and **Blain H.-A.**  
Poster: Amphibians and squamates from the Late Pleistocene of the Caverne Marie-Jeanne (Belgium)

Authors: Jovanović M., **Bisbal-Chinesta J.F., Đurić D., Bogićević K., Nenadić D. Agustí J.** and **Blain H.-A.,**

Poster: Last Neanderthals vs. *Homo sapiens*: new paleoenvironmental and paleoclimatic data using the small vertebrate assemblages from Serbia (Balkan Peninsula, SE Europe)

### **Human-elephant interactions: From past to present**

Venue: Hannover, Germany

Date: 16<sup>th</sup> - 18<sup>th</sup> October

Organizers: VolksWagen Stiftung (VolksWagen Foundation)

Authors: **Rosell, J.** and Blasco, R.

Oral presentation: Elephants and humans in Iberia: a zooarchaeological approach

Authors: **Martínez-Navarro, B.,** Espigares, M.-P., Ros-Montoya, S., García-Aguilar, J.M., Guerra-Merchán, A., Rodríguez-Gómez, G. and Palmqvist, P.

Oral presentation: Hot springs, mammoths, hominins, saber-tooths and giant hyenas in the European Early Pleistocene



**Western European Acheulean Project (WEAP) Final Conference: “Humans in Transition: The occupation of Western Europe, 500-400 ka”**

Venue: London, UK

Date: 18<sup>th</sup> October

Organizers: British Museum

Authors: **Ollé, A., Mosquera, M., Rodríguez-Álvarez, X. P.,** García-Medrano, P. et al.

Oral presentation: The Gran Dolina TD10 lithic assemblages in the context of the Iberian Acheulean



*Andreu Ollé during his oral communication at WEAP workshop. @PGarciaMedrano*

Authors: **Ollé, A.**

Oral presentation: Contribution of Atapuerca and Barranc de Boella to the knowledge of the Iberian Acheulean

Authors: **Blain, H.-A.**

Invited conference: The Mid-Brunhes Event: a critical threshold in human paleoecology at c. 450,000 years ago?

**Invited seminar at the Ministry of Culture, Youth Affairs and Tourism**

Venue: Stepanakert, Artsakh, South Caucasus

Date: 29<sup>th</sup> October

Organizers: Ministry of Culture, Youth Affairs and Tourism

Authors: **Asryan, L.**

Oral presentation: Searching for the Pleistocene Hominin Occupation in the Kura-Arax depression and in the Vorotan River Valley (South Caucasus)

### **1<sup>st</sup> Conference on the Early Neolithic of Europe**

Venue: Barcelona

Date: 6<sup>th</sup> – 11<sup>th</sup> November

Organizers: Intitut Millà I Fontanals, CSIC

Authors: **Revelles, J., Burjachs, F.**, Palomo, A., Piqué, R., Iriarte, E., Pérez-Obiol, R., Saña, M. and Terradas, X.

Oral presentation: 'Human-environment interaction during early Neolithic in Western Mediterranean. The impact of the arrival of farming communities and role of climate change in NE Iberia

Authors: Piqué, R., Bosch, À., Palomo, A., **Revelles, J.**, Rosillo, R. and Terradas, X.

Oral Presentation: Models of neolithization of North east of Iberian Peninsula: new evidences of human occupations during the VI millennium cal BC

Authors: Alcolea, M., **Revelles, J.**, Berihuete, M.; Piqué, R., Dufraisse, A., Terradas, X., Palomo, A., Bogdanovic, I. and Rosillo, R.

Poster: Forest resource management during Mesolithic-Neolithic transition: archaeobotanical studies in Coves del Fem site (NE Iberia)

Authors: **Bisbal-Chinesta, J.F., Blain, H.-A., López-García, J.M.**, Oms, F.X., Sanz, M. and Daura, J.  
Poster: First evidence for African anuran translocation in the Middle-Late Holocene from eastern Iberia (Cova Bonica, Barcelona)

Authors: Martín, P., Messana, Ch., Di Simone, G., **Ollé, A., Vergès, J.M.** and Forgia, V.

Poster: The origin of a long tradition: early husbandry practices in the Madonie Massif (Sicily, Italy)

### **VI Reunión Científica de Arqueomalacología de la Península Ibérica**

Venue: Mallorca

Date: 7th – 9th November

Organizers: Universitat de les Illes Balears

Authors: García-Argudo, G., Nadal, J., **Alonso, S.** and **Vaquero, M.**

Oral presentation: La malacofauna marina en un yacimiento de interior durante el Paleolítico Superior Final: el caso del Molí del Salt (Vimbodí-Poblet, Tarragona)

### **12<sup>th</sup> International Symposium on Knappable Materials**

Venue: Budapest, Hungary

Date: 18<sup>th</sup> – 22<sup>nd</sup> November

Organizers: Hungarian National Museum

Authors: Mathias, C., Bouguignon, L., Ivorra, J., **Barsky, D.**, Vialet, C. and Grégoire, S.

Oral presentation: Adaptation to raw materials intra-variability. Example from the Middle Palaeolithic open-air stations of the Hérault Valley, France (Les Geissières, Saint-Saturnin and Camillo)



Authors: Bourguignon, L., De Weyer, L., Viallet, C., Ivorra, J., Cuartero, F., **Barsky, D.**, Rios, J. and Bello, P.

Oral presentation: Raw material adaptation and human choices according to the production methods at the beginning of the Acheulian in Europe: The example of the U of Bois-de-Riquet (France)

Authors: **Gómez de Soler, B.**, Soto, M., **Vallverdú, J.**, Bargalló A., **Chacón, M.G.**, Romagnoli, F., **Soares Remiseiro, M.** and **Vaquero, M.**

Oral presentation: The Sant Martí de Tous chert: a raw material self-service for the Catalan Central Depression (Northeast of the Iberian Peninsula)

Authors: **Soares-Remiseiro, M.A.**, **Gómez de Soler, B.**, **Arteaga-Briebe, A.**, Borrás, G., Cámara, J., **Campeny, G.**, **Chacón, M. G.**, Fernández-Marchena, J.L., Guinart, V., López, G., Más, B., Soto, M., **Suesta, A.**, Shkarinska, K., Ramírez, I., Val-Peón, C. and **Vallverdú, J.**

Poster: La Guinardera quarry (Sant Martí de Tous, Anoia, Barcelona). An example of chert exploitation in modern times

Authors: **Gómez de Soler, B.**, Bustos-Pérez, G., **Chacón, M.G.**, Picin, A., Rufà, A., **Rivals, F.**, Blasco, R. and **Rosell, J.**

Poster: An approximation to the Neanderthals lithic procurement at Teixoneres Cave (Moià, NE Iberian Peninsula)

### **10<sup>ème</sup> Rencontre des Quaternaristes marocains (RQM10)**

Venue: Kénitra, Morocco

Date: 19<sup>th</sup> - 21<sup>st</sup> November

Organizers: Université Ibn Tofail

Authors: Aouraghe, H., Haddoumi, H., **Rodríguez-Hidalgo, A.**, Van Der Made, J., **Piñero, P.**, **Agustí, J.**, Álvarez, C., Benito-Calvo, A., **Blain, H.A.**, Duval, M., El Hammouti, K., **Expósito, I.**, Marín, J., Mejías, D., Oujaa, A., Parés, J., Pla, S., **Ramírez-Pedraza, I.**, **Rivals, F.**, **Saladié, P.**, **Tornero, C.**, **Chacón, M.G.** and **Sala-Ramos, R.**

Oral presentation: Nouvelles données sur le site du Pliocène final/Pléistocène inférieur de Guefaït-4: Mission 2019

Authors: **Chacón, M.G.**, Morales, J.I., Soto, M., **Lombao, D.**, **Canals, A.**, Benito-Calvo, A., Arnold, L., Bartrolí, R., **Expósito, I.**, Tarriño, A., Tomasso, S., Souhir, M., Oujaa, A., Haddoumi, H., El Hammouti, K., Aouraghe, H. and **Sala-Ramos, R.**

Oral presentation: Les occupations en plein air pendant le Paleolithique moyen (MSA) a Swiwina (Sahb El Ghar, Ain Beni Mathar), Jerada, Maroc Oriental

Authors: **Tornero, C.**, **Díez-Canseco, C.**, García-Argudo, G., Morales, J.I., Soto, M., **Expósito, I.**, **Allué, E.**, Oujaa, A., Haddoumi, H., El Hammouti, K., Souhir, M., Aouraghe, H., **Chacón, M.G.** and **Sala-Ramos, R.**

Poster: Premières évidences d'occupations en plein air pendant le Paléolithique supérieur-LSA dans la riviere Tahya : résultats de prospections et sondages réalisés en 2019 dans la région de Guéfaït (Maroc Oriental)

**23<sup>ème</sup> Colloque International des Bassins Sédimentaires (CIBS)**

Venue: Fès, Morocco

Date: 21<sup>st</sup> – 23<sup>rd</sup> November

Organizers: Dhar El Mahraz

Authors: Aouraghe, H., Haddoumi, H., Hajji, N., **Sala-Ramos, R., Rodríguez-Hidalgo, A.**, van der Made, J., **Saladié, P., Chacón, M. G.** and El Hammouti, K.

Oral presentation: Découverte d'un nouveau site paléontologique Plio-quatenaire dans le Maroc oriental (Guefaït 4, Province de Jerada)

**Workshop sur la Géologie du Quaternaire de l'Argelie**

Venue: Setif, Argelia

Date: 3<sup>rd</sup> - 5<sup>th</sup> December

Organizers: Université Ferhat Abbas

Authors: **Agustí, J.**

Invited talk: The Quaternary continental record of Spain: from the Guadix-Baza Basin to the Atapuerca karstic complex

**Annual Meeting of the Palaeontological Association**

Venue: València

Date: 15<sup>th</sup> – 21<sup>st</sup> December

Organizers: PalAss, Palaeontological Association

Authors: **Piñero P., Agustí J., Blain H.-A.**, Furió M., Laplana C., Oms O. and Sevilla P.

Poster: The microvertebrate succession from the late early Pleistocene sequence of Quibas-Sima (Murcia, Spain)



## Short-term stays at other research centers

### National

Center: **Universitat d'Alacant**

IPHES' member: **John Willman**

City: Alacant

Dates (start/ end): 10<sup>th</sup> – 16<sup>th</sup> January

Scientific purpose: Research trip to discuss 3D scanning methodology pertaining to IDENTITIES Project with Dr. Alejandro Romero (Universidad de Alicante), the co-supervisor and host of my MSCA postdoctoral research secondment. Returned the 3D scanner to Alicante after borrowing it for several months

Center: **Museu de Prehistòria de València**

IPHES' member: **Leopoldo Pérez**

City: València

Dates (start/ end): 1<sup>st</sup> February – 30<sup>th</sup> March

Scientific purpose: Predoctoral research

Center: **Paleomágina**

IPHES' member: **Susana Alonso**

City: Bedmar, Jaén

Dates (start/ end): 13<sup>th</sup> – 19<sup>th</sup> March

Scientific purpose: Study of the lithic industry collection of El Portillo cave

Center: **Museo Arqueológico de Granada**

IPHES' member: **Deborah Barsky**

City: Granada

Dates (start/ end): 14<sup>th</sup> – 17<sup>th</sup> April

Scientific purpose: Lithic analysis and refitting of the Oldowan assemblage of Barranco León (1.4 Ma)

Center: **Museo Regional de Madrid**

IPHES' member: **Rosa Huguet**

City: Madrid

Dates (start/ end): 27<sup>th</sup> – 31<sup>th</sup> May

Scientific purpose: Taphonomical analysis of bone remains recovered in Des-cubierta site (Pinilla del Valle)

Center: **Universitat de Lleida**

IPHES' member: **Almudena Martínez-Monzón**

City: Lleida

Dates (start/ end): 3<sup>rd</sup> – 31<sup>st</sup> June

Scientific purpose: Learning and development of skeletochronology procedures in amphibian samples within the Thesis project *“Esqueletocronología de anfibios y reptiles: relación del tamaño y patrón de crecimiento con el clima durante el Plio-Pleistoceno en la Península Ibérica”*

Center: **Universitat de Lleida**

IPHES' member: **Almudena Martínez-Monzón**

City: Lleida

Dates (start/ end): 26<sup>th</sup> August – 13<sup>th</sup> September

Scientific purpose: Learning and development of skeletochronology procedures in amphibian samples within the Thesis project *“Esqueletocronología de anfibios y reptiles: relación del tamaño y patrón de crecimiento con el clima durante el Plio-Pleistoceno en la Península Ibérica”*

Center: **Universidad Autónoma de Madrid**

IPHES' member: **Susana Alonso**

City: Madrid

Dates (start/ end): 5<sup>th</sup> November 2018 – 22<sup>nd</sup> February 2019

Scientific purpose: Study of the lithic industry collection of Parque Darwin site

### *International*

Center: **Museu de l'Home de París, Museu Nacional d'Història Natural de França**

IPHES' member: **Josep Francesc Bisbal**

City: Paris, France

Dates (start/ end): 26<sup>st</sup> September 2018 – 28<sup>th</sup> February 2019

Scientific purpose: Study of the small mammal material from the Late Pleistocene site of Gruta da Oliveira (Torres Novas, Portugal)

Center: **Institute of Archaeology. The Hebrew University of Jerusalem**

IPHES' member: **Gema Chacón**

City: Jerusalem, Israel

Dates (start/ end): 30<sup>th</sup> December 2018 – 31<sup>st</sup> March 2019

Scientific purpose: Visitant Scholar. Jose Castillejo mobility grants program for younger researchers (Ministry of Science, Innovation & Universities of Spain, Ref. CAS18/00416): Study of Middle Paleolithic Lithics assemblages from Middle East sites & 3D training in morphometric analysis using Artifacts-3D and AGMT3-D (Leore Grosman & Gadi Herzlinger)softwares applied to lithic technology

Center: **Université d' Algerie**

IPHES' member: **Robert Sala**

City: Algiers, Algeria

Dates (start/ end): 21<sup>st</sup> – 26<sup>th</sup> January

Scientific purpose: Short stay

Center: **ICCROM (International Centre for the Study of the Preservation and Restoration of Cultural Property)**

IPHES' member: **Lucía López-Polín**

City: Rome, Italy

Dates (start/ end): 21<sup>st</sup> January – 22<sup>nd</sup> February

Scientific purpose: Research on Field Conservation Techniques

Center: **Zoological State Collection**

IPHES' member: **Ana Bucchi**

City: Munich, Germany

Dates (start/ end): 22<sup>nd</sup> – 29<sup>th</sup> January

Scientific purpose: Photogrammetry of hand bones of gorillas and chimpanzees

Center: **British Museum**

IPHES' member: **Diego Lombao**

City: London, UK

Dates (start/ end): 1<sup>st</sup> February – 1<sup>st</sup> May





Scientific purpose: PhD mobility: analysis of lithic assemblages of Swanscombe and High Lodge.

Center: **National Museum of Ethiopia**

IPHES' member: **Bienvenido Martínez-Navarro**

City: Addis Abeba, Ethiopia

Dates (start/ end): 3<sup>rd</sup> -10<sup>th</sup> February

Scientific purpose: Study of the fossil collection from the site of Melka Wakena

Center: **Musée National d'Histoire Naturelle (MNHN)**

IPHES' member: **Miguel Ángel Moreno**

City: Paris, France

Dates (start/ end): 11<sup>th</sup> February – 30<sup>th</sup> May

Scientific purpose: ERASMUS Mobility included in the Master of Quaternary Archaeology and Human Evolution

Center: **National Museum of Georgia**

IPHES' member: **Bienvenido Martínez-Navarro**

City: Tbilisi, Georgia

Dates (start/ end): 24<sup>th</sup> February – 3<sup>rd</sup> March

Scientific purpose: Study of the fossil collection of Dmanisi

Center: **University of Tel Aviv and University of Jerusalem**

IPHES' member: **Ethel Allué**

City: Tel Aviv and Jerusalem, Israel

Dates (start/ end): 17<sup>th</sup> – 22<sup>nd</sup> March

Scientific purpose: Revision of anthracological material from Jordan Valley Dureijat (JRD) and Discussion on the study plans for other sites such as Gesher Benot Y'aakov

Center: : **Faculté de Sciences de Bizerte, Université de Carthage**

IPHES' member: **Gala Gómez**

City: Bizerte, Tunisia

Dates (start/ end): 25<sup>th</sup> March – 7<sup>th</sup> April

Scientific purpose: Professional and research stay for the restoration of paleontological material from the archaeological site of Wadis Sarrat (Le Kef, Tunisia). Collaboration between the IPHES-Àrea de Prehistòria of the URV and the Faculté de Sciences de Bizerte (Université de Carthage) for quaternary research in Tunisia. Project CGL2016-80975

Center: **Faculté de Sciences de Bizerte, Université de Carthage**

IPHES' member: **Bienvenido Martínez-Navarro**

City: Bizerte, Tunisia

Dates (start/ end): 25<sup>th</sup> March – 7<sup>th</sup> April

Scientific purpose: Restoration and study of the fossil collection from the site of Oued Sarrat

Center: **University of Bordeaux**

IPHES' member: **Raquel Hernando**

City: Bordeaux, France

Dates (start/ end): 1<sup>st</sup> – 5<sup>th</sup> April

Scientific purpose: Training in Confocal Microscope and MountainMaps, Toothfrax and Sfrax softwares. Analyze Cova de la Guineu population

Center: **Institute of Archaeology, University College London (UCL)**

IPHES' member: **Adrián Arroyo**

City: London, UK

Dates (start/ end): 1<sup>st</sup> – 5<sup>th</sup> April

Scientific purpose: Study primate (capuchin and macaque) stone tool

Center: **Universidad de la Frontera**

IPHES' member: **Ana Bucchi**

City: Temuco, Chile

Dates (start/ end): 1<sup>st</sup> April – 1<sup>st</sup> May

Scientific purpose: Photogrammetry of skulls of modern humans

Center: **Université de Bordeaux**

IPHES' member: **John Willman** and **Raquel Hernando**

City: Bordeaux, France

Dates (start/ end): 14<sup>th</sup> April – 16<sup>th</sup> May

Scientific purpose: Research trip to work with Dr. Alain Queffelec and Dr. Antoine Souron on confocal microscopy related to IDENTITIES MSCA-IF dental microwear texture component of research project. John Willman gave a talk at PACEA, Université de Bordeaux (2 May). MicroCT of a Borsuka Upper Paleolithic child and Bronze Age mandible from La Cueva del Bosquet were accomplished while visiting (April 30). And impromptu meet-ing with a former Bordeaux master's student, now predoctoral candidate in Vienna, was made to advise on a dental microwear texture manuscript (25 April). John Willman was made co-author on the manu-script (currently in revision for JAS: Reports).

Center: **Sao Paulo University**

IPHES' member: **Adrián Arroyo**

City: Sao Paulo, Brazil

Dates (start/ end): 22<sup>nd</sup> – 26<sup>th</sup> April

Scientific purpose: Study capuchin stone tools

Center: **Musée de l'Homme (Muséum national d'Histoire naturelle)**

IPHES' member: **Alfred Suesta**

City: Sao Paris, France

Dates (start/ end): 24<sup>th</sup> April – 5<sup>th</sup> May

Scientific purpose: Training in endocast anatomy and landmarking methodology

Center: **Sao Paulo University**

IPHES' member: **Adrián Arroyo**

City: Sao Paulo, Brazil

Dates (start/ end): 25<sup>th</sup> – 30<sup>th</sup> May

Scientific purpose: Study capuchin stone tools

Center: **Universität Tübingen**

IPHES' member: **Florent Rivals**

City: Tübingen, Germany

Dates (start/ end): 27<sup>th</sup> April – 5<sup>th</sup> May

Scientific purpose: Research project on the paleoecological study of the equid remains from Langmahdhalde and Waller-theim (Germany)

Center: **Comission of Culture and Sports**

IPHES' member: **Bienvenido Martínez-Navarro**

City: Asmara, Eritrea

Dates (start/ end): 11<sup>th</sup> – 17<sup>th</sup> June



Scientific purpose: Restoration and study of the fossil collection from the Engel Ela-Ramud Basin

Center: **Université de Bordeaux**

IPHES' member: **John Willman** and **Raquel Hernando**

City: Bordeaux, France

Dates (start/ end): 13<sup>th</sup> – 20<sup>th</sup> June

Scientific purpose: Research trip to work with Dr. Alain Queffelec and Dr. Antoine Souron on confocal microscopy related to IDENTITIES MSCA-IF dental microwear texture component of research project. This was the final trip to Bordeaux to finish collecting microwear texture data for two papers to be submitted in 2020

Center: **Institute of Mediterranean Biodiversity and Ecology (IMBE)**

IPHES' member: **Elodie Brisset**

City: Aix-en-Provence, France

Dates (start/ end): 1<sup>st</sup> - 12<sup>th</sup> July

Scientific purpose: Sediment sampling for sedimentological, geochemical, palynological analysis of the core AR1-AR2 (Lake Tashk, Iran). Project SALTY

Center: **National Museum of Ethiopia**

IPHES' member: **Isabel Cáceres**

City: Addis Abeba, Etiopia

Dates (start/ end): 21<sup>st</sup> August – 5<sup>th</sup> September

Scientific purpose: Analisis of faunal remains of Gona sites (Afar region)

Center: **Institute of Mediterranean Biodiversity and Ecology (IMBE)**

IPHES' member: **Elodie Brisset**

City: Aix-en-Provence, France

Dates (start/ end): 29<sup>th</sup> August – 3<sup>rd</sup> September

Scientific purpose: Chemical preparation of the sample for palynological analysis of the core AR1 of Lake Tashk (Iran). Project SALTY

Center: **Natural Science History Museum of Lisbon**

IPHES' member: **Juan Manuel López García**

City: Lisbon, Portugal

Dates (start/ end): 1<sup>st</sup> September – 21<sup>st</sup> December

Scientific purpose: Formation on taxonomiy and taphonomy of microvertebrates

Center: **Università di Napoli-L'Orientale**

IPHES' member: **Josep Maria Vergès**

City: Napoles, Italy

Dates (start/ end): 4<sup>th</sup> – 6<sup>th</sup> September

Scientific purpose: To explore the participation and colaboration in an Ethiopia and Sudan research project

Center: **Università degli Studi di Ferrara**

IPHES' member: **Robert Sala**

City: Ferrara, Italy

Dates (start/ end): 11<sup>th</sup> – 13<sup>th</sup> September

Scientific purpose: Short stay

Center: **Instituto Cervantes**  
 IPHES' member: **Robert Sala**  
 City: Sydney, Australia  
 Dates (start/ end): 21<sup>st</sup> – 28<sup>th</sup> September  
 Scientific purpose: Short stay

Center: **TraceoLab, University of Liège**  
 IPHES' member: **Lena Asryan**  
 City: Liège, Belgium  
 Dates (start/ end): 6<sup>th</sup> – 10<sup>th</sup> October  
 Scientific purpose: To know the laboratory and to work on the Marie Curie Proposal

Center: **Tel-Hai College**  
 IPHES' member: **Juan Ignacio Martín-Viveros**  
 City: Kiryat Shmona, Israel  
 Dates (start/ end): 1<sup>st</sup> – 29<sup>th</sup> November  
 Scientific purpose: Sampling of the lithic assemblage of Nahal Mahanayem Outlet (NMO) site for Use-wear analysis

Center: **Royal Belgian Institute of Natural Sciences**  
 IPHES' member: **Hugues A. Blain**  
 City: Brussels, Belgium  
 Dates (start/ end): 4<sup>th</sup> – 10<sup>th</sup> November  
 Scientific purpose: SYNTHESYS+ grant BE-TAF-1329 *"A review of the Quaternary amphibians and reptiles from Belgium: sys-tematics, biodiversity, paleobiogeographical and paleoecological interpretation"*

Center: **Université d' Algerie**  
 IPHES' member: **Robert Sala**  
 City: Algiers, Algeria  
 Dates (start/ end): 11<sup>th</sup> – 14<sup>th</sup> November  
 Scientific purpose: Short stay

Center: **Georgian National Museum**  
 IPHES' member: **Deborah Barsky**  
 City: Tbilisi, Georgia  
 Dates (start/ end): 6<sup>th</sup> – 14<sup>th</sup> December  
 Scientific purpose: Lithic analysis of the Oldowan assemblage of Dmanisi (1.8 Ma)

Center: **Georgian National Museum**  
 IPHES' member: **Robert Sala**  
 City: Tbilisi, Georgia  
 Dates (start/ end): 6<sup>th</sup> – 14<sup>th</sup> December  
 Scientific purpose: Study assemblage of Dmanisi



## Awards and recognitions

### **Premi Tarraco**

#### **IPHES**

Entity: Ajuntament de Tarragona

### **Manuel Xifra Boada Award**

Researcher: **Eudald Carbonell**

Entity: Universitat de Girona

### **Alubia de Oro**

Researcher: **Eudald Carbonell**

Entity: Asociación Cultural Amigos del Hombre de Ibeas/Atapuerca-ACAHIA

### **La Posada de los Codirectores**

Researcher: **Eudald Carbonell**

Entity: Centro Cultural Miguel Delibes de Valladolid

### **Seal of Excellence for the H2020-MSCA-IF-2018**

Researcher: **Lena Asryan**

Entity: European Union

### **Best *flash* presentation at Workshop “Últimas tecnologías aplicadas a la conservación del Patrimonio Cultural: Problemática y soluciones”**

Researcher: **Andrea Díaz**

Entity: Universidad de Zaragoza

### **Premi Extraordinari de Doctorat URV 2017-2018**

Researcher: **Antonio Pineda**

Entity: Universitat Rovira i Virgili

### **Winner of the PhD Divulgater Competition “Explica tu tesis en 4 minutos”**

Researcher: **Carlos Sánchez Hernández**

Entity: Universitat Rovira i Virgili



# Academy







## Degrees and Doctoral Programm

The IPHES is involved in all three stages of the University studies (bachelor's, master's and doctorate) in collaboration with the Universitat Rovira i Virgili (URV), Tarragona. IPHES researchers participate in teaching programmes adapted to the European Higher Education Area in the following degree courses:

- Bachelor's Degree in History (URV)
- Bachelor's Degree in Anthropology and Human Evolution (URV/UOC)
- Master's degree in Quaternary Archaeology and Human Evolution (*Erasmus Mundus*)
- Doctoral Programme in Quaternary and Prehistory (*Erasmus Mundus*)

IPHES Academy Responsible: Dr. Carlos Lorenzo ([carlos.lorenzo@urv.cat](mailto:carlos.lorenzo@urv.cat)).



*Campus Catalunya URV*

Some IPHES members also participate in the Master's degree in Primatology, managed by the Universitat de Girona – Fundació UdG: Innovació i Formació and the Fundació Mona.

### Degree in History (URV)

The bachelor's degree in History programme focuses on the twin goals of imparting the necessary knowledge and methods for the professionalization of students in the field of history, while ensuring that they acquire critical knowledge about the human past as a means to explain the present and understand past societies.

### Degree in Anthropology and Human Evolution (URV/UOC)

The bachelor's degree in Anthropology and Human Evolution programme is offered jointly by the Universitat Rovira i Virgili (URV) and Universitat Oberta de Catalunya (UOC). The programme is offered in two modalities: virtual or mixed (virtual and in-person classes). The virtual platform allows students to participate in the programme through the virtual campus of the UOC, while the mixed modality combines virtual classes with some in-person classes for subjects taught at the Campus Catalunya of the Universitat Rovira I Virgili.

### Master's degree in Quaternary Archaeology and Human Evolution (*Erasmus Mundus*)

This master's degree programme is based on three main areas: research into human palaeoecology and prehistory, palaeoanthropology, geology and palaeontology of the Quaternary; archaeological intervention in this stage of evolution; and the management, conservation and dissemination of archaeological heritage.

The programme is part of an international consortia comprising the International Master in Quaternary and Prehistory (IMQP) by the following institutions:

- University of Ferrara (Italy)
- Universitat Rovira i Virgili (Spain)
- Polytechnic Institute of Tomar (Portugal)
- National Museum of Natural History (Paris, France)

### Doctoral Programme in Quaternary and Prehistory (*Erasmus Mundus*)

The aim of the doctoral programme is to train doctors to conduct quality advanced research. To this end, the general objectives are the following:

- To incorporate doctoral students into a research group.
- To broaden students' skills so that they become specialized in the various research lines defined by the programme.
- To encourage students to undertake research projects using the methodology and the scientific principles of their research line.
- To encourage the acquisition of general skills related to individual and group work, management of bibliographic databases, and the production of a doctoral thesis, etc.
- To write a Doctoral Thesis

The doctoral programme is governed by an agreement between four university institutions, headed by the University of Ferrara (Italy). It aims for doctoral students to study at a minimum of three different institutions under a system of co-supervision, resulting in the award of a multiple degrees. The universities participating in the programme are the following:



- University of Ferrara (Italy)
- Universitat Rovira I Virgili (Spain)
- National Museum of Natural History (Paris, France)

Research topics of the doctorate programme:

- Lithic technology
- Zooarchaeology and taphonomy
- Paleoanthropology
- Paleontology
- Geoarchaeology
- Evolution of the human behavior and cognition
- Molecular archaeology
- Computer applications to archaeology
- Paleoenvironmental restitution
- Prehistoric art
- Heritage dissemination
- Human paleoecology

To maintain the continuity of the doctoral studies, this doctoral program will be substituted next course 2020-21 by a new Doctoral program in Quaternary and Prehistory without the *Erasmus Mundus* mention

### Master's degree in Primatology

This master's degree offers a high-quality training that allows the student to achieve the knowledge and skills necessary to carry out tasks and research activities in the field of primatology and other related sciences. The programme is eminently practical, with a dynamic and participatory theoretical approach, which motivates the analytical and reflective capacity of the students throughout the course from an interdisciplinary and integrating point of view.

## PhD thesis supervised and defended during 2019

**Title: Estudio de los quirópteros (Chiroptera, Mammalia) del Cuaternario de Aragón y el norte de la península ibérica**

Student: Julia Galán García

University: Universidad de Zaragoza

Date of presentation: 25<sup>th</sup> January

Director: Gloria Cuenca Bescós and **Juan Manuel López-García**

**Title: Late Pleistocene palaeoenvironmental reconstruction of Northeastern Iberia: taxonomic, taphonomic and isotopic approach based on small-mammal assemblages**

Student: **Mónica Fernández-García**

University: Università degli Studi di Ferrara (UNIFE), Italy

Date of presentation: 29<sup>th</sup> March

Director: **Juan Manuel López-García**



*Mónica Fernández with her supervisor and the members of the Jury*

**Title: Fate of cave bear in northeastern Italy: Anthropic impact, Extinction chronology, Stable isotope and Genetic evidence**

Student: Gabriele Terlato

University: Universitat Rovira i Virgili (URV)

Date of presentation: 3<sup>rd</sup> April

Directors: Marco Peresani, Hervé Bocherens and **Jordi Rosell**



Title: **Functional analysis of the lithic assemblages from the Middle and Upper Paleolithic sites of Khor-ramabad Valley (Western Iran), with special reference to Kaldar Cave**

Student: **Laxmi Tumung**

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> April

Directors: **Andreu Ollé**, Hubert Forestier and Anthony Borel

Title: **Landscape Analyses for Mobility and Raw Materials Procurement Strategies: The Acheulean Site of Santa Ana Cave in Calerizo de Cáceres, Extremadura, Spain**

Student: Akinbowale Akintayo

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> April

Directors: **Antoni Canals**, Marta Arzarello

Title: : **Aspects économiques et sociaux du Carcassès au Moyen Âge (9ème – 13ème siècle): Études archéozoologiques des sites du Clos d’Ugnac et de La Sabatière (Aude, France)**

Student: Laetitia Bertin

University: Universitat Rovira i Virgili (URV)

Date of presentation: 24<sup>th</sup> May

Directors: **Palmira Saladié**, Yves Lignereux and Anne-Marie Moigne



*Laetitia Bertin after her Ph.D. defense with her supervisor and the members of the Jury*

**Title: Estrategias de subsistencia y dinámicas de asentamiento en los Valles de Alcoy durante el Paleolítico medio. Análisis zooarqueológico, tafonómico y paleológico de la secuencia arqueológica de El Salt (Alcoy, Alicante)**

Student: **Leopoldo J. Pérez Luís**

University: Universitat Rovira i Virgili (URV)

Date of presentation: 5<sup>th</sup> June

Directors: **Robert Sala**, Alfred Sanchís and Bertila Galván

**Title: Reconstruction of environments and plant use in Holocene southern Africa study of macrobotanical remains from late Stone Age sites of Toteng (Botswana), Leopard cave and Geduld (Namibia)**

Student: Malebogo Mvimi

University: Muséum national d'histoire naturelle (MNHN), France

Date of presentation: 6<sup>th</sup> June

Directors: Margareta Tengberg, David Pleurdeau and **Ethel Allué**

**Title: The early Pleistocene aquatic palaeoecology and palaeoclimate in Central Java, Indonesia as recorded in mollusc assemblages from the Kalibeng and Pucangan layers of Sangiran Dome**

Student: Pamela Faylona

University: Universitat Rovira i Virgili (URV)

Date of presentation: 6<sup>th</sup> June

Directors: François Sémah (MNHN), Anne-Marie Sémah (Institut de Recherche pour le Développement) and Marta Arzarello (UNIFE)

**Title: La Tecnología del Arte Rupestre Levantino: aproximación experimental para el estudio de sus cadenas operativas**

Student: Neemias Santos da Rosa

University: Universitat Rovira i Virgili (URV)

Date of presentation: 8<sup>th</sup> July

Director: **Ramon Viñas** and Danae Fiore



## Master Thesis supervised and defended during 2019

Title: **Early Villafranchian tapirs from the Camps dels Ninots Maar (La Selva Basin, NE Iberian Peninsula)**

Student: Esteban Meseguer-Despons

University: Universitat Autònoma de Barcelona (UAB) i Universitat de Barcelona (UB)

Date of presentation: 11<sup>th</sup> June

Directors: Joan Madruell Malapeira and **Bruno Gómez de Soler**

Title: **New Methodological Advances in the Study of Taphonomic Equifinality in the Lower Pleistocene Site of FLK-West (Olduvai Gorge, Tanzania)**

Student: Lloyd A. D. Courtenay

University: Universitat Rovira i Virgili (URV)

Date of presentation: June

Directors: **Rosa Huguet** and José Yravedra

Title: **El efecto de las limpiezas químicas en fósiles del paleolítico procedentes de la Cova de les Teixoneres (Moià, Barcelona).**

Student: **Irene Cazalla**

University: Universidad Pablo de Olavide (UPO) de Sevilla

Date of presentation: 11<sup>th</sup> July

Directors: **Gala Gómez** and Rocío Ortiz



*Master students after the defense of Master Thesis in Ferrara, Italy*

Title: **Preliminary histotaphonomic results from *Tapirus arvernensis* from Camp dels Ninots, Caldes de Malavella (NE Spain)**

Student: Federica Grandi

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> September

Directors: **Isabel Cáceres**

Title: **Influence of sedimentary microcharcoals to rebuild forest fires – Pla de les Preses (Girona – Catalonia)**

Student: Dandara Jesús Francisco

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> September

Directors: **Isabel Expósito, Jordi Revelles and Ethel Allué**

Title: **Estudio tafonómico forense del conjunto sepulcral de Cova Foradada (Calafell, Tarragona). Inhumación y cremación: las prácticas funerarias del Neolítico a la Edad del Bronce**

Student: **Miguel Ángel Moreno Ibáñez**

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> September

Directors: **Palmira Saladié**

Title: **Technological analyses of La Cansaladeta Level E: systematic establishment of *chaîne opératoire* by refitting**

Student: **Görkem Cenk Yesilova**

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> September

Directors: **Andreu Ollé and Josep Maria Vergès**

Title: **Aproximación experimental al análisis funcional de procesamiento de ictiofauna marina**

Student: Sara García

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> September

Directors: **Josep Maria Vergès**

Title: **Estudio 3D de las asimetrías cerebrales y dimorfismo sexual en *Homo sapiens*, *Pan troglodytes*, *Gorilla gorilla* y fósiles del género *Homo***

Student: Herena Coma Almenar

University: Universitat Rovira i Virgili (URV)

Date of presentation: 13<sup>th</sup> September

Directors: **Carlos Lorenzo and Marina Lozano**

Title: **¿Se puede medir la consolidación? Estudio sobre la eficacia de la consolidación en material óseo fósil**

Student: **Andrea Díaz Cortés**

University: Universitat Rovira i Virgili (URV)

Date of presentation: 13<sup>th</sup> September

Directors: **Lucía López-Polín and Albert Fabregat Sajuan**





Title: **Análisis de la mandíbula neandertal Zafarraya 2 procedente de la Cueva del Boquete de Zafarraya (Alcaucín, Málaga) a través de la geometría morfométrica**

Student: Cecilia Barroso Medina

University: Universitat Rovira i Virgili (URV)

Date of presentation: 13<sup>th</sup> September

Directors: **Carlos Lorenzo**



*Cecilia Barroso during her Master Thesis defense. @miguel\_preh*

Title: **Más allá de la limpieza mecánica del material óseo arqueopaleontológico: posibles repercusiones e interferencias en estudios posteriores**

Student: Noé Valtierra Pereiro

University: Universitat Rovira i Virgili (URV)

Date of presentation: 14<sup>th</sup> September

Directors: **Lucía López-Polín**

Title: **Enfoque experimental de la fracturación antropogénica y diagenética en costillas de ungulados**

Student: Guillermo García Legidos

University: Universitat Rovira i Virgili (URV)

Date of presentation: 14<sup>th</sup> September

Directors: **Palmira Saladié** and **Antonio Rodríguez**

Title: **Soil Micromorphology of the Sedimentary Samples from Anta 1 de Vale da Laje, Tomar, Portugal**

Student: Adewumi Opeyemi

University: Instituto Politécnico de Tomar, Portugal

Date of presentation: 14<sup>th</sup> September

Directors: **Josep Vallverdú**

**Title: The exploitation of woody plants during historical times (15th-18th centuries) in Mercat del Born (Barcelona, Spain). Anthracological study of Casa Corrales**

Student: Sabrina Bianco

University: Università degli Studi di Padova (Italia)

Date of presentation: 6<sup>th</sup> December

Directors: Alejandra Chavarria Arnau, **Ethel Allué** and Santiago Riera Mora

**Title: Dietary reconstruction of the Talayotic necropolis of Cova des Pas (Menorca): Evidence from  $\delta^{13}C$  and  $\delta^{15}N$  analyses**

Student: Sotiriadou Triantafyllia

University: Universitat Autònoma de Barcelona (UAB)

Date of presentation: 2019

Directors: Assumpció Malgosa and **Carlos Tornero**



## TFG supervised and defended during 2019

Title: **Anàlisi de les restes faunístiques del jaciment del Paleolític Mitjà de la Bòbila d'en Sugranyes, Reus**

Student: Ariadna Bosch Andreu

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12th June

Director: **Isabel Cáceres**

Title: **Un anàlisi preliminar del lagomorfs recuperats el nivell 9 de la Sima del Elefante (Sierra de Atapuerca, Burgos)**

Student: María Boada

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12th June

Director: **Rosa Huguet**

Title: **Caries en el Neolític: Comparación entre las poblaciones Levantinas y asiáticas**

Student: Andrea Couriel Lami

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12th June

Director: **Marina Lozano**

Title: **Una base de datos para el estudio de las paleopatologías óseas. Una propuesta para la investigación sobre la carga del combustible en la prehistoria**

Student: Sara García

University: Universitat Oberta de Catalunya (UOC) - Universitat Rovira i Virgili (URV)

Date of presentation: 6<sup>th</sup> December

Director: **Ethel Allué**

## Participation in tribunals of PhD Thesis defended during 2019

Title: **Estudio de los quirópteros (Chiroptera, Mammalia) del Cuaternario de Aragón y el norte de la península ibérica**

Student: Julia Galán

University: Universidad de Zaragoza

Date of presentation: 25<sup>th</sup> January

Director: Gloria Cuenca Bescós and Juan Manuel López-García

IPHES member in the Committee: **Hugues A. Blain**

Title: **The phylogenetic relationships of the North and East African Pleistocene horses (genus *Equus*) - their bio-geography and the relevance for human dispersal across the Sahara**

Student: Kamel Boulaghraief

University: Università degli Studi di Ferrara (Italy)

Date of presentation: 29<sup>th</sup> March

Directors: Jan van der Made, Mohamed Sahnouni and Marta Arzarello

IPHES member in the Committee: **Isabel Cáceres**

Title: **Landscape Analyses for Mobility and Raw Materials Procurement Strategies: The Acheulean Site of Santa Ana Cave in Calerizo de Cáceres, Extremadura, Spain**

Student: Akinbowale Akintayo

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> April

Directors: Antoni Canals, Marta Arzarello

IPHES member in the Committee: **Carlos Lorenzo**

Title: **Functional analysis of the lithic assemblages from the Middle and Upper Paleolithic sites of Khor-ramabad Valley (Western Iran), with special reference to Kaldar Cave**

Student: Laxmi Tumung

University: Universitat Rovira i Virgili (URV)

Date of presentation: 12<sup>th</sup> April

Directors: Andreu Ollé, Hubert Forestier and Anthony Borel

IPHES member in the Committee: **Deborah Barsky**

Title: : **Aspects économiques et sociaux du Carcassès au Moyen Âge (9ème – 13ème siècle): Études archéozoo-logiques des sites du Clos d'Ugnac et de La Sabatière (Aude, France)**

Student: Laetitia Bertin

University: Universitat Rovira i Virgili (URV)

Date of presentation: 24<sup>th</sup> May

Directors: Palmira Saladié, Yves Lignereux and Anne-Marie Moigne

IPHES member in the Committee: **Isabel Cáceres**





*Leopoldo Pérez during his Ph.D. defense*

**Title: Estrategias de subsistencia y dinámicas de asentamiento en los Valles de Alcoy durante el Paleolítico medio. Análisis zooarqueológico, tafonómico y paleológico de la secuencia arqueológica de El Salt (Alcoy, Alicante)**

Student: Leopoldo J. Pérez Luís

University: Universitat Rovira i Virgili (URV)

Date of presentation: 5<sup>th</sup> June

Directors: Robert Sala, Alfred Sanchís and Bertila Galván

IPHES member in the Committee: **Isabel Cáceres**

**Title: Evolución de las faunas fósiles de aves del Cuaternario de Aragón y del norte de la península Ibérica**

Student: Carmen Núñez Lahuerta

University: Universidad de Zaragoza

Date of presentation: 6<sup>th</sup> June

Director: Gloria Cuenca Bescós

IPHES member in the Committee: **Hugues A. Blain** and **Isabel Cáceres**

**Title: Desarrollo y aplicación metodológica para el análisis espacial de yacimientos paleolíticos al aire libre y en cuevas**

Student: Laura Sánchez Romero

University: Universidad de Burgos (UBU)

Date of presentation: 17<sup>th</sup> June

Director: Alfonso Benito Calvo and Joseba Ríos

IPHES member in the Committee: **Jordi Rosell** and **Manuel Vaquero**

**Title: La Tecnología del Arte Rupestre Levantino: aproximación experimental para el estudio de sus cadenas operativas**

Student: Neemias Santos da Rosa

University: Universitat Rovira i Virgili (URV)

Date of presentation: 8<sup>th</sup> July

Director: Ramon Viñas and Danae Fiore

IPHES member in the Committee: **Josep Maria Vergès**



*Neemias Santos during his Ph.D. defense*

**Title: Cambio climático y ambiental en el sur de Europa – El registro paleoecológico de Padul, Sierra Nevada (Mediterráneo occidental, sur de la Península Ibérica)**

Student: Jon Camuera Bidaurreta

University: Universidad de Granada (UG)

Date of presentation: 12<sup>th</sup> July

Director: Gonzalo Jiménez Moreno

IPHES member in the Committee: **Francesc Burjachs**

**Title: Conservación del nicho ecológico en topillo de Cabrera (*Iberomys cabraerae*). Aproximaciones ecológicas y filogenéticas**

Student: Elena Castellanos Frías



University: Universidad Complutense de Madrid (UCM)

Date of presentation: September

Directors: Nuría García and Emilio Virgós

IPHES member in the Committee: **Juan Manuel López-García**

Title: **Tafonomía actualista de micromamíferos: nuevas herramientas para las interpretaciones paleoecológicas**

Student: Patricia Canales Brellenthin

University: Universidad Complutense de Madrid (UCM)

Date of presentation: 30<sup>th</sup> October

Directors: Paloma Sevilla and Yolanda Fernández-Jalvo

IPHES member in the Committee: **Isabel Cáceres**

Title: **Estudio evolutivo de la región cervical en Hominoidea. Morfología, Integración e inferencia paleobiológica**

Student: Mikel Arlegi

University: Universidad del País Vasco (UPV)

Date of presentation: 29<sup>th</sup> November

Directors: Asier Gómez-Olivencia, Christine Veschambre-Couture

IPHES member in the Committee: **Marina Lozano**

Title: **Estudio de las actividades de percusión de los grupos cazadores recolectores del Noreste peninsular a inicios del Holoceno**

Student: Xavier Roda Gilabert

University: Universitat Autònoma de Barcelona (UAB)

Date of presentation: 10<sup>th</sup> December

Director: Rafael Mora Torcal

IPHES member in the Committee: **Andreu Ollé, Manuel Vaquero and Adrián Arroyo**

Title: **Approche techno-culturelle de la fracturation des os longs chez les Néandertaliens (Sud-Ouest de l'Europe, MIS 5-3) : une systématisation des gestes?**

Student: Delphine Vettese

University: Museum national d'histoire naturelle (MNHN) (France)

Date of presentation: 17<sup>th</sup> December

Directors: Marie-Hélène Moncel, Marta Arzarello, Camille Dejeaurd, Uusula Thun-Hohenstein and Antony Borel

IPHES member in the Committee: **Isabel Cáceres**

Title: **Ecomorfología y Evolucion de la dentición en la familia Hyaenidae**

Student: Carlos Coca Ortega

University: Universidad de Málaga

Date of presentation: 20<sup>th</sup> December

Directors: Juan Antonio Pérez Claros

IPHES member in the Committee: **Bienvenido Martínez-Navarro**





## University teaching

University: Universitat Rovira i Virgili (URV)

Master course: *Erasmus Mundus* en Arqueologia del Quaternari i Evolució Humana

Subject: Elaboració de Tesi de Màster

Professor: **Eudald Carbonell, Carlos Lorenzo**

Credits: 6

Subject: Mètodes d'Excavació en Arqueologia del Quaternari

Professor: **Marina Mosquera**

Credits: 6

Subject: Geologia del Quaternari

Professor: **Josep Vallverdú**

Credits: 5

Subject: Evolució Humana

Professor: **Carlos Lorenzo**

Credits: 5

Subject: Prehistòria d'Europa

Professor: **Antoni Canals**

Credits: 5

Subject: Epistemologia i teoria del coneixement en Arqueologia

Professor: **Robert Sala, Jordi Agustí, Ignasi Pastó**

Credits: 4

Subject: Paleoecologia Humana

Professor: **Florent Rivals, Hugues Blain, Carlos Tornero**

Credits: 4

Subject: Restitució Paleoambiental

Professor: **Francesc Burjachs**

Credits: 4

Subject: Etnoarqueologia

Professor: **Manolo Vaquero**

Credits: 4

Subject: Prehistoria de la Península Ibérica

Professor: **Manolo Vaquero**

Credits: 4

Subject: Zooarqueologia i Tafonomia

Professor: **Isabel Cáceres** and **Jordi Rosell**

Credits: 4

Subject: Conservació i Restauració en Arqueologia Plistocènica

Professor: **Gala Gómez**

Credits: 4

Subject: Informàtica i Estadística Aplicades a l'Arqueologia

Professor: **Carlos Lorenzo** and **Sergi Lozano**

Credits: 4

Subject: Paleontologia de Mamífers del Quaternari

Professor: **Bienvenido Martínez-Navarro**

Credits: 4

Subject: Tecnologia Lítica

Professor: **Andreu Ollé**

Credits: 4

Subject: Anàlisi Microscòpica en Arqueologia

Professor: **Andreu Ollé**, **Josep Maria Vergès** and Fina Gavaldà

Credits: 4

Subject: Prehistòria d'Àsia i Oceania

Professor: **Xosé Pedro Rodríguez Álvarez**

Credits: 4

Subject: Prehistòria d'Amèrica

Professor: **Xosé Pedro Rodríguez Álvarez**

Credits: 4

Subject: Prehistòria d'Àfrica

Professor: **Jordi Rosell**

Credits: 4

Subject: Arqueologia Experimental

Professor: **Josep Maria Vergès**

Credits: 4



Subject: Arqueologia de la Ment

Professor: **Marina Mosquera**

Credits : 3

University: **Universitat de Girona (UdG)**

Master course: **Primatologia**

Subject: Arqueologia de la Ment i Cognició en Evolució Humana

Professor: **Marina Mosquera**

Credits: 1,25

University: **Universitat Autònoma de Barcelona (UAB)**

Master course: **Arqueologia Prehistòrica**

Subject: Arqueobioquímica: isòtops estables

Professor: **Carlos Tornero**

Credits: 0,3

University: **Universitat Oberta de Catalunya (UOC) - Universitat Rovira i Virgili (URV)**

Degree course: **Antropologia i Evolució Humana**

Subject: Noves Tecnologies Aplicades a les Ciències Humanes

Professor: **Ethel Allué**

Credits: 6

Subject: Prehistòria

Professor: **Ethel Allué**

Credits: 6

Subject: Cultura Material

Professor: **Deborah Barsky**

Credits: 6

Subject: Metodologia Arqueològica

Professor: **Deborah Barsky**

Credits: 6

Subject: Simbolisme i Cognició

Professor: **Deborah Barsky**

Credits: 6

Subject: Etnoarqueologia

Professor: **Bruno Gómez de Soler**

Credits: 6

Subject: Genètica

Professor: **Policarp Hortolà**

Credits: 6

Subject: Epistemologia de la Evolució

Professor: **Policarp Hortolà**

Credits: 6

Subject: Paleoecologia Humana

Professor: **Rosa Huguet**

Credits: 6

Subject: Pràctiques de camp i laboratori

Professor: **Lucía López-Polín**

Credits: 6

Subject: Evolució Humana

Professor: **Marina Lozano**

Credits: 6

Subject: Antropologia Forense

Professor: **Marina Lozano**

Credits: 6

Subject: Arqueologia del Quaternari

Professor: **Palmira Saladié**

Credits: 6

Subject: Antropologia Biològica

Professor: **Carlos Lorenzo**

Credits: 6

Subject: Evolució Humana i Cultura

Professor: **Gema Chacón**

Credits: 6



University: Universitat Rovira i Virgili (URV)

Degree course: Història

Subject: Prehistòria

Professor: **Isabel Cáceres, Carlos Lorenzo and Robert Sala**

Credits: 6

Subject: Prehistòria i Evolució Humana

Professor: **Ethel Allué**

Credits: 3.5

University: Universitat Rovira i Virgili (URV)

Degree course: Història de l'Art i Arqueologia

Subject: Prehistòria i Evolució Humana

Professor: **Ethel Allué and Eudald Carbonell**

Credits: 5

University: Universidad Internacional de Andalucía

Degree course: I Campus Internacional de Prehistoria y Evolución Humana, Cueva del Ángel, Subbética Cordobesa (Lucena, Córdoba)

Subject: Paleontología de Mamíferos del Cuaternario

Professor: **Bienvenido Martínez-Navarro**

Credits: 4

University: Universitat Autònoma de Barcelona (UAB)

Degree course: Història

Subject: Introducció a la Prehistòria

Professor: **Carlos Tornero**

Credits: 6



# Outreach







## Talks & conferences

### *Catalonia*

#### **Caminant entre feres: el Nen de Mojà i els grans carnívors a les Coves del Toll (Toll i Teixoneres, Mojà, Moianès)**

Author: Jordi Rosell, Ruth Blasco and Florent Rivals

Organizer: Tribuna d'Arqueologia (Departament de Cultura, Generalitat de Catalunya)

City: Barcelona

Date: 9<sup>th</sup> January

#### **Early career research experiences in the United States and Europe**

Author: John C. Willman

Organizer: IPHES

City: Tarragona

Date: 10<sup>th</sup> January

#### **Measuring reduction intensity on cores: questions, limits and new approaches**

Author: Diego Lombao

Organizer: IPHES

City: Tarragona

Date: 24<sup>th</sup> January

#### **Trobada amb científiques de Tarragona**

Author: Marina Mosquera, Dolors Comas and Josepa Salvadó

Organizer: URV

City: Tarragona

Date: 12<sup>th</sup> February



*Marina Mosquera (center) participating at meeting of women scientist at Tarragona*

**Dia de la Ciència a l'Ebre, monòlogo de divulgación científica "Eres un Neandertal"**

Author: Carlos Sánchez Hernández

Organizer: Semana de la Ciencia, Campus de les Terres de l'Ebre, Universitat Rovira i Virgili

City: Tortosa

Date: 14<sup>th</sup> February

**Charla divulgadora "Tras las huellas del tiempo: Desmitificando la Arqueología y la Prehistoria"**

Author: Carlos Sánchez Hernández

Organizer: Institut de Secundaria Jaume I de Salou (Salou, Tarragona)

City: Salou

Date: 27<sup>th</sup> February

**Living in Lisbon, studying dead small mammals**

Author: Juan Manuel López-García

Organizer: IPHES

City: Tarragona

Date: 7<sup>th</sup> March

**Evolución Humana**

Author: Eudald Carbonell

Organizer: Centre de formació adults

City: Manresa

Date: 13<sup>th</sup> March

**Atapuerca 40 anys immersos en el passat**

Author: Eudald Carbonell

Organizer: Círculo Ecuéstre Balmes

City: Barcelona

Date: 14<sup>th</sup> March

**La prehistòria actualitzada i el retorn al futur de l'espècie humana**

Author: Eudald Carbonell

Organizer: Entitat Fòrum debats

City: Vic

Date: 15<sup>th</sup> March

**Atapuerca 40 anys immersos en el passat**

Author: Eudald Carbonell

Organizer: Museu Municipal Can Xifreda

City: Sant Feliu de Codines



Date: 20<sup>th</sup> March

**La evolución humana y los humanos actuales**

Author: Eudald Carbonell

Organizer: Círculo Ecuestre

City: Barcelona

Date: 21<sup>st</sup> March

**Atapuerca 40 anys immersos en el passat**

Author: Eudald Carbonell

City: Vilanova i la Geltrú

Date: 22<sup>nd</sup> March

**Hienas, mamuts, toros y homínidos**

Author: Bienvenido Martínez-Navarro

Organizer: Associació Cultura de Castilla - La Mancha de Terrassa". Centre Civic President Macià,

City: Terrassa

Date: 22<sup>nd</sup> March

**Concurso interuniversitario de Cataluña "Explica la teva tesi en 4 minuts" (Finalista).**

**Monólogo: "Ecología Neandertal"**

Author: Carlos Sánchez Hernández

Organizer: Fundació Catalana per a la Recerca i la Innovació

City: Barcelona

Date: 4<sup>th</sup> April

**Beyond density: quantitative windows to intra-site spatial analysis**

Author: José Ramón Rabuñal

Organizer: IPHES

City: Tarragona

Date: 11<sup>th</sup> April

**Participante festival de divulgación científica Pint of Science Tarragona, 20 y 21 mayo 2019.**

**Monólogo (dos exposiciones): "Tras las huellas del Tiempo"**

Author: Carlos Sánchez Hernández

Organizer: Associació per a la Divulgació Científica al Camp de Tarragona & Pint of Science España

City: Tarragona

Date: 20-21<sup>st</sup> April

**Darreres novetats al jaciment prehistòric del Cavet**

Author: Josep M. Vergès

Organizer: Centre d'Estudis Cambrilencs

City: Cambrils

Date: 6<sup>th</sup> May

**Concurso “Explica tu tesis en 4 minutos” (Ganador). Monólogo: “Ecología Neandertal”.**

Author: Carlos Sánchez Hernández

Organizer: Comciència (Universitat Rovira i Virgili de Tarragona)

City: Tarragona

Date: 10 and 30<sup>th</sup> May

**Evolución Humana y Evolución Social**

Author: Eudald Carbonell

Organizer: Cal Massó

City: Reus

Date: 16<sup>th</sup> May

**Quan els Neandertals anaven de costellada**

Author: Jordi Rosell

Organizer: Pint of Science

City: Reus

Date: 21<sup>st</sup> May

**Les pedres que ens van fer humans**

Author: Miquel Guardiola

Organizer: Pint of Science

City: Tarragona

Date: 21<sup>st</sup> May

**El llenguatge en la Prehistòria: Comunicació entre Neandertals**

Author: Maite Arilla

Organizer: Geoparc Mundial Conca de Tremp-Montsec; III Setmana dels Geoparcs Europeus

City: La Pobla de Segur

Date: 29<sup>th</sup> May

**Jornada d'inauguració al Festival Iber**

Author: Eudald Carbonell

Organizer: Museu Ullastret

City: Ullastret

Date: 8<sup>th</sup> June



**Atapuerca 40 anys inmersos en el passat**

Author: Eudald Carbonell

Organizer: Fundació Mona

City: Banyoles

Date: 10<sup>th</sup> June

**The Camp dels Ninots maar site and the Heritage Center “Espai Aqueae”**

Authors: Gerard Campeny and Bruno Gómez

Organizer: Goldschmidt conference (pre field trip)

City: Caldes de Malavella

Date: 17<sup>th</sup> August

**El clima, el temps i els pronòstics**

Author: Francesc Burjachs

Organizer: L’Harmonia, Museu de l’Hospitalet. (Nit europea de la recerca a l’Hospitalet).

City: Hospitalet de Llobregat

Date: 27<sup>th</sup> September

**Prehistoric Oral Health**

Authors: John C. Willman, Marina Lozano and Raquel Hernando

Organizer: European Research Night

City: Tarragona

Date: 27<sup>th</sup> September

**Evolución Humana y conciencia de especie**

Author: Eudald Carbonell

Organizer: Grupo Cultural Garbí

City: Barcelona

Date: 2<sup>nd</sup> October

**Atapuerca 40 anys inmersos en el passat**

Author: Eudald Carbonell

Organizer: Asociación Aula d’Extensió Universitària d’Almacelles (ADEUDAL)

City: Almacelles

Date: 3<sup>rd</sup> October

**Pulling teeth and piercing faces: Intentional body modification and social identities in the Late Pleistocene**

Author: John C. Willman

Organizer: IPHES

City: Tarragona

Date: 10<sup>th</sup> October

**Els Neandertals i la Cova de les Llenes**

Author: Maite Arilla

Organizer: Escola Pública Els Raiers

City: La Pobla de Segur

Date: 5<sup>th</sup> November

**Mobilitat logística neandertal des d'una perspectiva tafonòmica al nivell P de l'Abric Romaní (Capellades, Anoia)**

Authors: Juan Marín, Antonio Rodríguez-Hidalgo, Josep Vallverdú, Bruno Gómez de Soler, Florent Rivals, José Ramón Rabuñal, Antonio Pineda, María Gema Chacón, Eudald Carbonell and Palmira Saladié

Organizer: Generalitat de Catalunya. Departament de Cultura

City: Barcelona

Date: 6<sup>th</sup> November

**Evolución e Innovación**

Author: Eudald Carbonell

Organizer: Escola Pia

City: Terrassa

Date: 7<sup>th</sup> November

**Arqueologia i Tafonomia**

Author: Maite Arilla

Organizer: Institut d'Educació Secundària de Seròs

City: Seròs

Date: 7<sup>th</sup> November

**Studying the origins of bone tools: an interdisciplinary perspective**

Author: Paula Mateo

Organizer: IPHES

City: Tarragona

Date: 21<sup>st</sup> November

**Les pedres que ens van fer humans**

Author: Miquel Guardiola

Organizer: DivulgaTgn and Bar La Cantonada

City: Tarragona

Date: 3<sup>rd</sup> December



*National*

**El poblamiento prehistórico de la Península Ibérica: Atapuerca**

Author: Carlos Lorenzo

Organizer: Fundación Politeia

City: Madrid

Date: 8<sup>th</sup> January

**Atapuerca 40 años inmersos en el pasado**

Author: Eudald Carbonell

Organizer: Centro García Lorca

City: Jaén

Date: 9<sup>th</sup> April

**Evolución humana y conciencia operativa**

Author: Eudald Carbonell

Organizer: Fundación César Manrique

City: Lanzarote

Date: 7<sup>th</sup> May

**Elogio del Futuro**

Author: Eudald Carbonell

Organizer: Universidad Autónoma de Madrid

City: Madrid

Date: 20<sup>th</sup> May

**Atapuerca 40 años inmersos en el pasado**

Author: Eudald Carbonell

Organizer: Universitat de Mallorca

City: Mallorca

Date: 29<sup>th</sup> May

**Galería, un lugar de obtención de animales en el Pleistoceno medio de Atapuerca**

Author: Isabel Cáceres

Organizer: Universidad de Burgos and Museo de la Evolución Humana

City: Burgos

Date: 9<sup>th</sup> July

**Las comunidades agropastoriles prehistóricas de la Sierra de Atapuerca: la cueva de El Mirador**

Author: Josep M. Vergès

Organizer: Universidad de Burgos. Curso de verano: Atapuerca: últimos descubrimientos y nuevas tecnologías para el estudio del pasado

City: Burgos

Date: 9<sup>th</sup> July

**Dieta y estilo de vida de los pobladores del yacimiento de El Mirador**

Author: Marina Lozano

Organizer: Universidad de Burgos

City: Burgos

Date: 10<sup>th</sup> July

**Una aproximación al clima del pasado a través de la percepción de los pequeños mamíferos**

Author: Juan Manuel López-García

Organizer: Universidad de Burgos and Museo de la Evolución Humana

City: Burgos

Date: 10<sup>th</sup> July

**Herpetofauna ibérica del Cuaternario final**

Author: Josep Francesc Bisbal-Chinesta

Organizer: Equipo de Excavación de Cueva Negra

City: Caravaca de la Cruz, Murcia

Date: 15<sup>th</sup> July

**El evento *Pachycrocuta brevirostris* y la primera dispersión humana fuera de África**

Author: Bienvenido Martínez-Navarro

Organizer: III Campus Internacional de Arqueología Bedmar Prehistórico. Organized by Fundación Instituto de Investigación de Prehistoria y Evolución Humana and Universidad Internacional de Andalucía-UNIA.

City: Bedmar, Jaén

Date: 15<sup>th</sup> July

**El cambio climático, ¿causado por el *Homo sapiens*?**

Author: Robert Sala

Organizer: Ayuntamiento de Arnedo

City: Arnedo, La Rioja

Date: 20<sup>th</sup> July





**Importancia del estudio de pequeños mamíferos para el establecimiento de rangos cronológicos y biozonas durante el Cuaternario**

Author: Juan Manuel López-García

Organizer: Universidad de Burgos and CENIEH

City: Burgos

Date: 23<sup>rd</sup> July

**Quaternary Stratigraphy and Soil Micromorphology I (I Curso Internacional de Prehistoria y Evolución Humana Cueva del Ángel)**

Author: Josep Vallverdú

Organizer: Fundación Instituto de Investigación de Prehistoria y Evolución Humana

City: Lucena, Córdoba

Date: 28<sup>th</sup> July

**The Fuente Nueva 3 archeo-paleontological site (Orce, Andalusia, Spain)**

Author: Deborah Barsky, A. Serrando and Stefania Titton

Organizer: Cycle of conferences in the framework of the Orce field Project (UGR-Junta de Andalusia)

City: Orce, Granada

Date: July

**Intervenciones de Conservación y Restauración en yacimientos arqueopaleontológicos”**

Author: Gala Gómez Merino

Organizer: Universidad Internacional de Andalucía, Fundación Instituto de Investigación de Prehistoria y Evolución Humana y Excmo. Ayuntamiento de Bedmar Sede Centro de Investigaciones Prehistóricas de Sierra Mágina.

City: Bedmar, Jaén

Date: 1<sup>st</sup> August

**El Periódico de Atapuerca**

Authors: Davinia Moreno, P. Martínez, Ignacio Martínez, Marina Mosquera and Nohemí Sala

Organizer: VII Congreso de Comunicación Social de la Ciencia

City: Burgos

Date: 9-11<sup>th</sup> October

**Conservation work at the Sierra de Atapuerca sites**

Author: Lucía López-Polín

Organizer: Instituto del Patrimonio Cultural & Escuela de Patrimonio Histórico de Nájera

City: Nájera, La Rioja

Date: 10<sup>th</sup> October

### **Los cementerios de elefantes de Baza y Orce**

Author: Bienvenido Martínez-Navarro

Organizer: XX Seminario Francisco Sousa, Museo Arqueológico y Paleontológico de La Rinconada (Sevilla)

City: La Rinconada, Sevilla

Date: 9<sup>th</sup> November

### **La evolución Humana**

Author: Rosa Huguet and Antonio Rosas

Organizer: Asociación Cultural Contigo and IES de Noreña (Asturias)

City: Noreña, Asturias

Date: 29<sup>th</sup> November

### **¿Quiénes somos? ¿De dónde venimos? ¿A dónde vamos?**

Author: Rosa Huguet and Antonio Rosas

Organizer: Asociación Cultural Contigo

City: Noreña, Asturias

Date: 29<sup>th</sup> November

### **Atapuerca i l'evolució humana**

Author: Rosa Huguet

Organizer: Fundación Cañadas Blanch, Universitat de València, Institut Alfons el Magnànim.

City: València

Date: 4<sup>th</sup> December

### **Entre dos mares. Cova Eirós, la extinció de los Neandertales y la llegada del humano moderno en el Noroeste**

Author: Arturo de Lombera Hermida, Xose Pedro Rodríguez Álvarez and Ramón Fábregas Valcarce

Organizer: Museo Arqueológico Nacional, Ciclo de conferencias "Actualidad de la investigación arqueológica en España II (2019-2020)"

City: Madrid

Date: 10<sup>th</sup> December

### **Neandertales ¿una especie enigmática?**

Author: Eudald Carbonell

Organizer: Muy interesante y Odisea

City: Bilbao

Date: 14<sup>th</sup> December



*International*

**Crossing continents during the Pleistocene: from Europe to South-East Asia via North Africa**

Author: Maria Gema Chacón

Organizer: The Institute of Archaeology. Hebrew University of Jerusalem

City: Jerusalem, Israel

Date: 15<sup>th</sup> January

**The oldest settlement of Europe: the sites from Atapuerca (Spain)**

Author: Carlos Lorenzo

Organizer: Musée de l'Homme

City: Paris, France

Date: 17<sup>th</sup> January

**Western Mediterranean environment and climate during the late Quaternary using small-mammal assemblages**

Author: Juan Manuel López-García

Organizer: LARC-Laboratorio de Arqueociencias

City: Lisbon, Portugal

Date: 07<sup>th</sup> February

**Ambiente e clima no Mediterrâneo Ocidental durante o Quaternário tardio com base no estudo de associações de micromamíferos**

Author: Juan Manuel López-García

Organizer: MUNHAC-Museo Nacional de Historia Natural

City: Lisbon, Portugal

Date: 18<sup>th</sup> February

**Field conservation in prehistoric sites**

Author: Lucía López-Polín

City: Rome, Italy

Date: 20<sup>th</sup> February

**Small-mammal assemblages as a tool to reconstruct past environments**

Author: Juan Manuel López-García

Organizer: CIBIO-InBIO Research Center in Biodiversity and Genetic Resources

City: Lisbon, Portugal

Date: 21<sup>st</sup> February

**Herps and humans: investigating the paleoecological context of the earliest Europeans using fossil amphibians and reptiles**

Author: Hugues-Alexandre Blain and Almudena Martínez Monzón

Organizer: Dipartimento di Scienze della Terra, Dipartimento di Scienze della Vita e Biologia dei Sistemi and Sezione Piemonte "G. Peracca" della Societas Herpetologica Italica

City: Turin, Italy

Date: 13<sup>th</sup> March

**Late Glacial and Postglacial Population History and Cultural Transmission in Iberia (c.15,000-8,000 cal BP)**

Author: Javier Fernández-López de Pablo

Organizer: European Research Council Summit.

City: Braga, Portugal

Date: 8–9<sup>th</sup> April

**Round table 39: The European Research Council (ERC): funding excellent research in the field of Archaeological Science**

Author: Javier Fernández-López de Pablo

Organizer: Priki, E. (European Research Council Executive Agency, ERCEA)

City: Kraków, Poland

Date: 25<sup>th</sup> April

**Dental Perspectives on Manipulative Behavior, Social Identities, and Biocultural Transitions**

Author: John C. Willman

Organizer: Université de Bordeaux, PACEA

City: Bordeaux, France

Date: 2<sup>nd</sup> May

**Evolutionary history of ungulates diet: High resolution studies of changes in feeding traits over time**

Author: Florent Rivals

Organizer: Universitat Tübingen

City: Tübingen, Germany

Date: 3<sup>rd</sup> May

**Prehistoric archeology and the Human Story**

Author: Deborah Barsky

Organizer: Vanderbilt University (Tennessee); Maymester in the Alps

City: Groendenvald, Switzerland

Date: May



**Les amphibiens et reptiles dans la Préhistoire récente: glaciation, réchauffement climatique et mouvements humains dans la péninsule ibérique**

Author: Josep Francesc Bisbal-Chinesta

Organizer: Collège d'Espagne, Cité Internationale Universitaire de Paris

City: Paris, France

Date: 4<sup>th</sup> November

**Zooarchaeology and taphonomy at Teixoneres Cave (Spain): from a carnivore den to a Neanderthal camp**

Author: Florent Rivals

Organizer: Universitat Erlangen

City: Erlangen, Germany

Date: 7<sup>th</sup> November

## Outreach publications

- ❖ **Brisset, E.** 2019. “¿Cómo puede el conocimiento tradicional ayudar a proteger el agua?”.  
Editing: *Investigacion “La Caixa” 2019, Becas y ayudas a la investigación y la Innovación*: [www.cib.csic.es/sites/default/files/inline-files/libro-de-perfiles-de-los-investigadores-1\\_0.pdf](http://www.cib.csic.es/sites/default/files/inline-files/libro-de-perfiles-de-los-investigadores-1_0.pdf)



## Science Education. No formal education

Programme: “IPHES a les escoles”

Organizer: IPHES & FECYT (FCT-18-13614)

Educational centre: Escola Pía

Location: Calella (Barcelona)

Degree: 5th primary school

Benefited Students: 83

Date: 23/01/2019

Educational centre: Escola Minerva

Location: Calella (Barcelona)

Degree: 5th primary school

Benefited Students: 48

Date: 24/01/2019

Educational centre: Escola Freta

Location: Calella (Barcelona)

Degree: 5th primary school

Benefited Students: 58

Date: 24/01/2019



*Miquel Guardiola in a Primary School of Torreforta (Tarragona), playing a bone flute in an activity inside the IPHES a les Escoles programme*

Educational centre: Escola El Far

Location: Calella (Barcelona)

Degree: 5th primary school

Benefited Students: 50

Date: 23/01/2019

Educational centre: Escola Atzavara

Location: Bràfim (Tarragona)

Degree: 5th and 6th primary school

Benefited Students: 59

Dates: 12/02/2019

Educational centre: Escola del Mar

Location: Coma-ruga (Tarragona)

Degree: 5th and 6th primary school

Benefited Students: 42

Dates: 13/02/2019

Educational centre: IES Berenguer d'Entença

Location: Hospitalet de l'Infant (Tarragona)

Degree: 1st BAT school

Benefited Students: 18

Dates: 27/05/2019

Educational centre: IES Mediterrani

Location: Tarragona

Degree: several courses Primary and Secondary school

Benefited Students: 121

Dates: 04, 09, 12, 16 and 19/07/2019

Educational centre: Martí Franquès

Location: Tarragona

Degree: 1st ESO secondary school

Benefited Students: 154

Date: 21 and 22/10/2019

Educational centre: IES Collblanc

Location: La Canonja (Tarragona)

Degree: 1st ESO Secondary school

Benefited Students: 140

Date: 12 and 13/11/2019





Educational centre: Escola La Canonja  
Location: La Canonja (Tarragona)  
Degree: 5th and 6th primary school  
Benefited Students: 88  
Date: 15/11/2019

Educational centre: IES Mediterrani  
Location: Tarragona  
Degree: 6th primary school  
Benefited Students: 8  
Dates: 15/11/2019

Educational centre: IES Mediterrani  
Location: Tarragona  
Degree: 1st ESO secondary school  
Benefited Students: 8  
Dates: 10/12/2019

Educational centre: CEIP Torreforta  
Location: Tarragona  
Degree: 6th primary school  
Benefited Students: 52  
Dates: 10/12/2019

Educational centre: Escola Sant Ramon  
Location: El Pla de Santa Maria (Tarragona)  
Degree: several curses Primary school  
Benefited Students: 193  
Dates: 11/01/2019 and 02/04/2019

Educational centre: Escola Sagrat Cor  
Location: Amposta (Tarragona)  
Degree: 1st ESO Secondary school  
Benefited Students: 68  
Dates: 28/03/2019

Educational centre: Escola Mare de Déu del Roser  
Location: Vallmoll (Tarragona)  
Degree: 5th and 6th Primary school  
Benefited Students: 30  
Dates: 01/04/2019

Educational centre: Les Codinetes  
Location: La Nou de Gaià and Vespella (Tarragona)  
Degree: several courses of Primary school  
Benefited Students: 218  
Dates: 10 and 11/04/2019. And 14/05/2019

Educational centre: Escola Joan Plana  
Location: Puigpelat (Tarragona)  
Degree: several courses of Primary school  
Benefited Students: 72  
Dates: 25/04/2019

Educational centre: Escola Valdelors  
Location: Vandellòs (Tarragona)  
Degree: 5th and 6th Primary school  
Benefited Students: 55  
Dates: 15/05/2019

Educational centre: Escola Manuel de Castellví i Feliu  
Location: Vilabella (Tarragona)  
Degree: 5th and 6th of Primary school  
Benefited Students: 52  
Dates: 28/11/2019

Educational centre: Escola Montsant  
Location: Cornudella del Montsant (Tarragona)  
Degree: 5th and 6th of Primary school  
Benefited Students: 61  
Dates: 07/10/2019

Sub-programme: **“Les Escoles a l’IPHES”**  
Organizer: IPHES & FECYT (FCT-18-13614)

Educational centre: Escola de Pràctiques  
Location: Tarragona  
Degree: 6th Primary School  
Benefited Students: 54  
Dates: 06 and 07/03/2019



Educational centre: IES Berenguer d'Entesa  
Location: Hospitalet de l'Infant (Tarragona)  
Degree: 1st BAT school  
Benefited Students: 53  
Dates: 20/05/2019

Educational centre: Escola Carmelites  
Location: Tarragona  
Degree: from 4th primary school  
Benefited Students: 84  
Dates: 09 and 10/10/2019

Educational centre: Escola de Pràctiques  
Location: Tarragona  
Degree: 1st BAT Secondary School  
Benefited Students: 12  
Dates: 07/11/2019

Educational centre: IES Martí Franquès  
Location: Tarragona  
Degree: 1st BAT Secondary School  
Benefited Students: 72  
Dates: 25/11/2019

Educational centre: Escola de Pràctiques  
Location: Tarragona  
Degree: 6th Primary School  
Benefited Students: 12  
Dates: 19/11/2019



*Showing IPHES labs to INS Berenguer d'Entensa from Hospitalet de l'Infant*

**Programme: “Indagación en educación infantil (3-6 años): actividades de aula para el fomento del razonamiento científico, incluyendo colectivos en riesgo de exclusión social” (FCT-17-12079).**

Organizer: Universitat Rovira i Virgili (URV) (Dra. Maria Teresa Novo Molinero), Universidad Autónoma de Madrid (UAM), Universidad de Burgos (UBU), Universitat de Barcelona (UB), IPHES (Insitut Català de Paleoecologia Humana i Evolució Social), Museo de la Evolución Humana (MEH) & FECYT

Educational centre: Escola Mediterrani

Location: Tarragona

Degree: Primary school

Benefited Students: 11

Date: 14/01/2019



*Childish outreach session at CEIP La Canaleta (Vila-seca, Tarragona)*



Educational centre: CEIP Àngel Guimera

Location: El Vendrell (Tarragona)

Degree: Primary school

Benefited Students: 70

Date: 31/01/2018

Programme: **“Extended Learning Time II: contribuyendo a generar vocaciones científicas en Centros Tutelados de menores (FCT-17-12332).**

Organizer: Universitat Rovira i Virgili (URV) (Dra. Carmen García Yeste) from Pedagogy Department (MEDIS research consolidated group) & FECYT. With the collaboration of IPHES.

Educational centre: CRAE Codina (Residential Centre for Educational Action)

Location: Reus (Tarragona)

Degree: variety of ages

Benefited Students: 8

Date: 09/01/2019

Educational centre: CRAE Codina (Residential Centre for Educational Action)

Location: Reus (Tarragona)

Degree: variety of ages

Benefited Students: 8

Date: 13/02/2019

Educational centre: CRAE Voramar (Residential Centre for Educational Action)

Location: Tarragona

Degree: variety of ages

Benefited Students: 8

Date: 14/01/2019

Educational centre: CRAE Voramar (Residential Centre for Educational Action)

Location: Tarragona

Degree: variety of ages

Benefited Students: 7

Date: 21/01/2019

Educational centre: CRAE Voramar (Residential Centre for Educational Action)

Location: Tarragona

Degree: variety of ages

Benefited Students: 7

Date: 11/02/2019

Educational centre: CRAE Francolí (Residential Centre for Educational Action)

Location: Vila-seca (Tarragona)

Degree: variety of ages

Benefited Students: 15

Date: 15/01/2019 and 12/02/2019



*Teenagers from CRAE Francolí in a Human Evolution session*

Programme: **“Extended Learning Time III: contribuyendo a generar vocaciones científicas en Centros Tutelados de menores (FCT-18-13515).**

Organizer: Universitat Rovira i Virgili (URV) (Dra. Carmen García Yeste) from Pedagogy Department (MEDIS research consolidated group) & FECYT. With the collaboration of IPHES.

Educational centre: CRAE Voramar (Residential Centre for Educational Action)

Location: Tarragona

Degree: variety of ages

Benefited students: 5

Date: 14/11/2019

Educational centre: CRAE Sant Josep/Codina (Residential Centre for Educational Action)

Location: Reus (Tarragona)

Degree: variety of ages

Benefited students: 9

Date: 10/12/2019



## Exhibitions

### Neanderlife. Moments de la Vida Neandertal/ Momentos de la Vida Neandertal

Organizer: IPHES

Location: **Reus**

Dates: November 2018 – January 2019

Visitants: 420

Location: **El Pla de Santa Maria**

Dates: April - May

Visitants: 80

### Europa ara fa un milió d'anys

Organizer: IPHES

Location: **El Pla de Santa Maria**

Dates: December 2018 – January 2019

Visitants: 240

Location: **Vallmoll**

Dates: February - March

Visitants: 136

Location: **Amposta**

Dates: March - April

Visitants: 668

Location: **Puipelat**

Dates: April

Visitants: 192

Location: **Vespella**

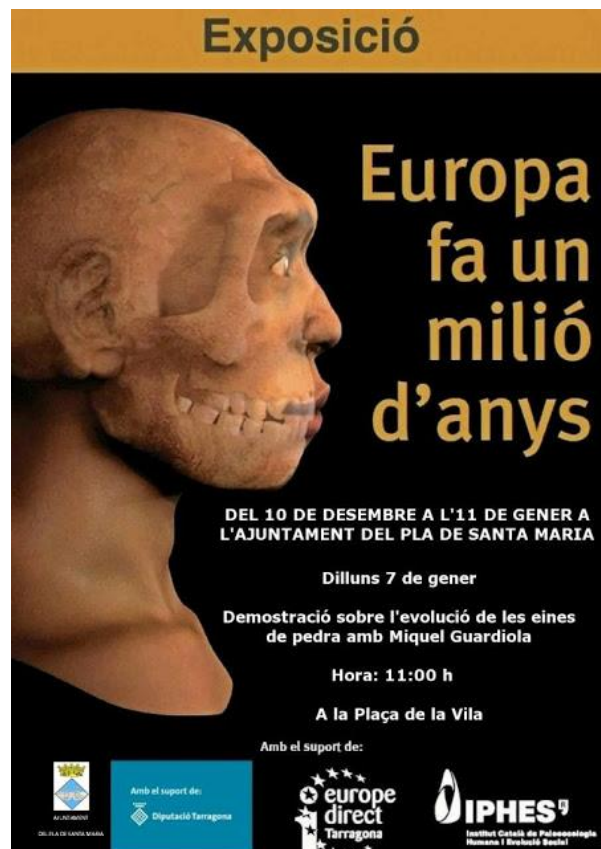
Dates: May

Visitants: 252

Location: **Vilabella**

Dates: November - Desember

Visitants: 182



**Jordi Sabater i Pi, una vida dedicada a la recerca**

Organizer: IPHES

Location: **El Pla de Santa Maria**

Dates: February

Visitants: 90

Location: **Vallmoll**

Dates: March

Visitants: 100

Location: **Vespella**

Dates: April

Visitants: 276

**Darwin i l'Evolució**

Organizer: IPHES

Location: **El Pla de Santa Maria**

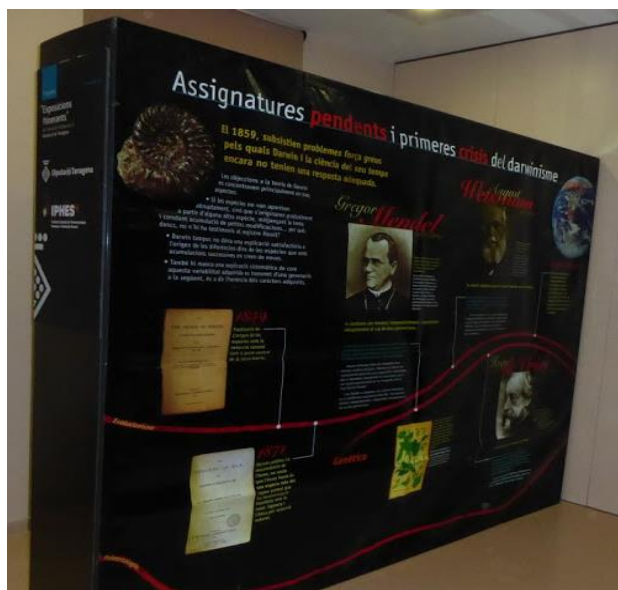
Dates: March

Visitants: 163

Location: **Vandellòs**

Dates: May

Visitants: 165



*Didactic panels exhibited at "Darwin i l'Evolució" (left) and "Jordi Sabater i Pi, una vida dedicada a la recerca" (right).*





## Participatory activities

Demonstration: **Humans i pedres: les eines a la prehistòria**

Organizer: Science Week of URV

Location: Campus Terres de l'Ebre-Tortosa

Benefited public: 107

Date: 14 and 28/02/2019

Outreaching activity: **Salut oral prehistòrica**

Researchers' Night.

Organizer: URV/IPHES/ICAC/ICIQ/IISPV

Location: Plaça Corsini-Tarragona

Date: 27/09/2019

Yo-Mo 2019: **Youth Mobile**

Organizer: Mobile Word Congress.

Location: Hospitalet del Llobregat (Barcelona)

Date: 26/02/2019



*IPHES stand at Yo-Mo19*

Demonstration: **Dels Neandertals als Sapiens: tecnologia i simbolisme**

Organizer: Ajuntament de Calafell

Location: Calafell (Tarragona)

Benefited public: 35

Date: 25/01/2019

Outreaching activity: **Un viatge de milions d'anys**

Organizer: Ajuntament de Capellades

Location: Capellades (Barcelona)

Benefited public: 22

Date: 21/10/2019

Outreaching activity: **Neandertals**

Organizer: Ajuntament de Capellades

Location: Capellades (Barcelona)

Benefited public: 18

Date: 05/11/2019

Outreaching activity: **Els Primers Pagesos**

Organizer: Ajuntament de Capellades

Location: Capellades (Barcelona)

Benefited public: 19

Date: 20/11/2019

Demonstration: **Els últims neandertals**

Organizer: Ajuntament de la Canonja

Location: La Canonja (Tarragona)

Benefited public: 45

Date: 16/11/2019

Demonstration: **Open Doors Day at Teixoneres site**

Organizer: IPHES

Location: Moià (Barcelona)

Benefited public: 200

Date: 10/08/2019

Demonstration: **Open Doors Day at La Boella site**

Organizer: IPHES

Location: La Canonja (Tarragona)

Benefited public: 250

Date: 28/09/2019

Demonstration: **Neandertals**

Organizer: Diputació de Tarragona and IPHES

Location: Reus

Benefited public: 8

Date: 10/01/2019



Demonstration: **Humans i Pedres**

Organizer: Diputació de Tarragona and IPHES

Location: Vallmoll (Tarragona)

Benefited public: 16

Date: 24/02/2019

Demonstration: **Humans i Pedres**

Organizer: Diputació de Tarragona and IPHES

Location: Puigpelat (Tarragona)

Benefited public: 120

Date: 28/04/2019

Demonstration: **Humans i Pedres**

Organizer: Diputació de Tarragona and IPHES

Location: Vespella (Tarragona)

Benefited public: 60

Date: 09/06/2019

Demonstration: **Humans i Pedres**

Organizer: Diputació de Tarragona and IPHES

Location: Vilabella (Tarragona)

Benefited public: 70

Date: 08/12/2019

## Scientific communication

### Objectives 2019

- ❖ **Prioritize more and better what is published and how.**
- ❖ **Research projects:** strengthen a custom programme, replant some strategy, contents and mass media channels according to their objectives.
- ❖ **Promote the internationalization about IPHES:** arrive at more foreign public and mass media
- ❖ **Search some allied to improve our operational qualification:** contact with UPF, Associació Catalana de Comunicació Científica (ACCC)
- ❖ **More news with storytellyn and engagement**
- ❖ **Improve our expertise: 30 years of team communication.**

### Results 2019

- ❖ **The work for projects was strengthened:** customized communication plans and prioritize the news.
- ❖ **We tried to optimize and rationalization effort and efficiency** about the different actions and the potential public
- ❖ **Internationalization:** 35.968 visits at English blog, mailing expansion and systematization. Origen: Italy, EEUU, Chine, Japan, India, Turkey, Australy, Vietnam, New Zelanda, Canada, Iran México. Germany, Filipinas, Xile, Kenya, Filandia, France, Serbia, Mexico, Sweden, Hungary, Norway, Colombia, Russia, Ireland, Austria, Poland, South Korea...
- ❖ **We export expertise to other research centers** (ICIQ, ICAC ...)
- ❖ **Seminars at Campus Gutenberg-CosmoCaixa:** “Evoluciona, programa científic de ràdio”, i “El llibre com a eina de comunicació científica”

### Social Networks

- ❖ A lot of mentions and interactions in **Twitter:** 4.300 followers
- ❖ **New:** Instagram 700 followers
- ❖ **YouTube:** 45.814 visitors
- ❖ **Facebook:** 2.119

### Mass Media

#### Television

TV3 - Televisió de Catalunya, Canal 33, 324, TVE, Antena 3, TAC 12, Canal Reus TV...



## Radio

Catalunya Ràdio, Catalunya Informació, RAC 1, la Xarxa, Cadena COPE, Tarragona Ràdio, RAC 1, Cadena Ser, Onda Cero, Radio Nacional de España, Ser, Ràdio Ciutat de Tarragona...

## News in national and international newspapers

*El Mundo, Huffington Post, ciencia.com, Vilaweb, La República, Ara, Punt Avui, la Vanguardia, Regió 7, Nació digital, Diari de Girona, el Periodico, Més Tarragona, Ara, Diari de Tarragona, La Verdad, Diario de Pontevedra, El Economista, El Punt Avui, El Periódico, El País, NCYT, La Razón, Diario de León, Diario Córdoba, El Imparcial, La Voz de Galicia, Heraldo de Aragón, Las Provincias, Diario de Ibiza, El Progreso, Levante, Faro de Vigo, Hoy Digital, La Rioja, Diario Palentino, ABC, El Diario Montañés, Mediterráneo, El Norte de Castilla, Diario de Burgos, , La Opinión de Murcia, etc...*

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## Excaven de nou una necròpolis prehistòrica a Queralbs 40 anys després de tancar la cova

El 1973 el Roc de les Orenetes va ser l'escenari de la primera intervenció arqueològica d'Eudald Carbonell, que ara codirigeix els treballs

Efe / Ddg / Queralbs | 16.09.2019 | 18:45

Un equip d'arqueòlegs de l'Institut Català de Paleoeologia Humana i Evolució Social (IPHES) ha començat una excavació al Roc de les Orenetes, una cova a **Queralbs** on el 1973 es va trobar una **necròpolis prehistòrica de fa 3.000 anys** i que s'ha passat tancada les darreres quatre dècades.



Eudald Carbonell, el primer per l'esquerra, a l'excavació del 73.

*New about IPHES work at Diari de Girona*

*Herald Tribune, BBCnews, The Times, Breaking news, Aurora Israel, Daily Heralds, Diario Libre, NewsBeeze, Notimérica.com, Clarin.com, Diariodom.com, Panama on, NBCNews.com, Science Magazine, National Geographic Australia, The Japan Times, New Scientist, Discover Magazine, Eurasia Review, SinEmbargo Mexico, El Espectador...*

*News agency*

SINC, EFE, Efe Futuro, ACN, Europa PRESS, Alpha Galileo...

*Revues*

*Sapiens, National Geographic, 20 minutos...*

*Press releases*

80 in English, Catalan and Spanish

*News published in the Mass Media*

4.000...

*News*

Monthly newsletter...

**Strategic Alliances and Collaborations with the Media**

- ❖ Report about IPHES on different television channels (TV3, Punt Avui Televisió, TAC 12)
- ❖ Programme "Evoluciona", Tarragona Ràdio, every 15 days
- ❖ 5 reports about IPHES in the Diari de Tarragona: series 30 years team IPHES

The screenshot shows the top part of a news article on the Diari de Tarragona website. The header includes the site logo and navigation tabs for TARRAGONA, REUS, COSTA, EBRE, DEPORTES, CULTURA & VIDA, NOTICIAS, OPINION, and A FONDO. The article title is "IPHES, treinta años de éxitos" (IPHES, thirty years of successes). The sub-headline reads "El Institut Català de Paleoecologia Humana i Evolució Social es un referente a nivel mundial" (The Institut Català de Paleoecologia Humana i Evolució Social is a reference at the world level). The author is Gloria Aznar, and the date is 28 de Mayo de 2019 - 08:42 hs. Below the text are social media sharing buttons for Whatsapp, Facebook, Twitter, Email, and a link icon.



*News about IPHES at Diari de Tarragona. Seria "30 years team IPHES"*



- ❖ RNE – Interviews with researchers for projects they do. Once a month, more or less.
- ❖ The experts' opinion. In different mass media, an IPHES researcher complement the human evolution's current news with a small text o with an interview.

## Oral communication channels

### Blogs

**News in Spanish** <http://iphesnoticias.blogspot.com.es/>

Almost 207.489 accumulated views from countries such as United States, Spain, France, Germany, Israel, India, Benin, United Kingdom, Mexico, Argentina, Irlanda, Canadá

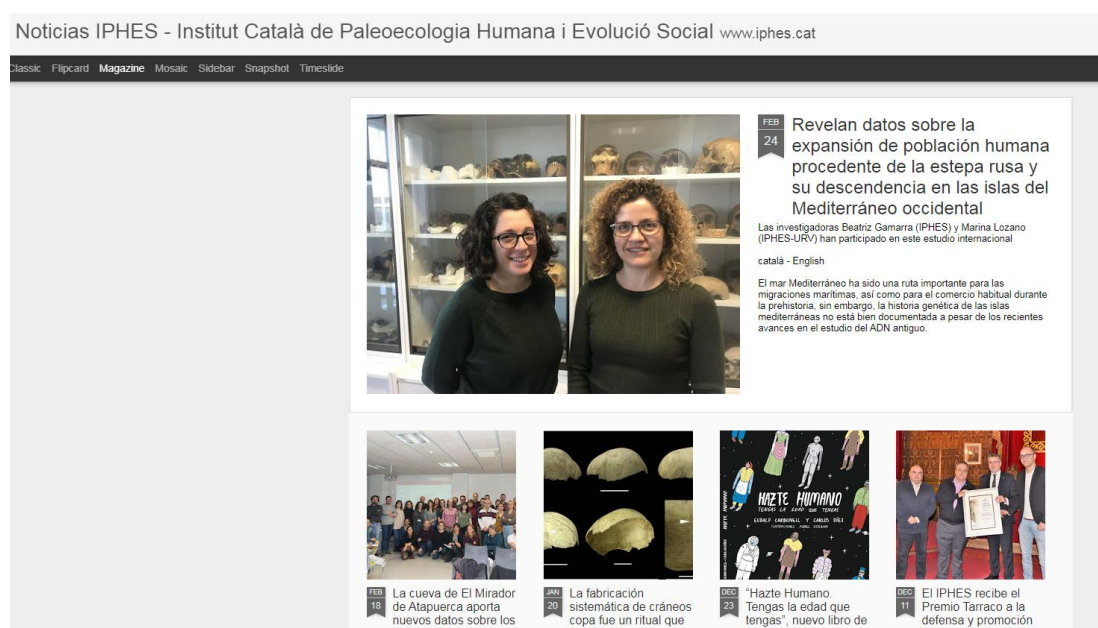


Image of the IPHES activities blog (spanish) (<http://iphesnoticias.blogspot.com/>)

**News in Catalan** <http://iphes-noticies.blogspot.com.es/>

477.859 accumulated views from countries such as United States, Spain, Russia, Italy, Portugal France, Germany, Ireland, China, Poland, Portugal, Russia, and Ukraine

**News in English** <https://iphesnews.wordpress.com/>

35.968 accumulated views from countries such as United States, Germany, France, United Kingdom, Italy, Israel, Canada, Netherland, India, Brazil and Portugal

**Total:** Almost 900.500 accumulated views





# Knowledge transfer & services





## Memorandums of understanding and specific agreements

### **Collaboration agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Affiliation of the URV researchers at IPHES

Date: 01/01/2019

### **Learning traineeship specific agreement between Institut Francesc Vidal i Barraquer and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 07/01/2019

### **Memorandum of understanding between Griffith University and IPHES.**

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: 10/01/2019

### **Memorandum of understanding between URV, IISPV, ICAC, FURV and IPHES.**

Main agreement: The creation of a Unit to International funding for research and innovation

Date: 10/01/2019

### **Specific agreement between Museum of Cambrils and IPHES**

Main agreement: Financial contribution to the fieldwork at Cavet archaeological site

Date: 11/01/2019

### **Learning traineeship specific agreement between Escola de Disseny i Art and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 14/01/2019

### **Learning traineeship specific agreement Escola de Disseny i Art and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 14/01/2019

### **Collaboration agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Provision of personal H2020

Date: 14/01/2019

### **Memorandum of understanding between University of Calgary and IPHES.**

Main agreement: To facilitate mutually beneficial academic and research cooperation

Date: 22/01/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Extracurricular practical training at IPHES. 1 student

Date: 22/01/2019

**Learning traineeship specific agreement between Escuela Superior de Conservación y Restauración de Bienes Culturales de Galicia and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 conservation student.

Date: 15/02/2019

**Learning traineeship specific agreement between Universidad Pablo Olavide and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 18/02/2019

**Decree from de Mayor's office of Vimbodí.**

Main agreement: Financial contribution to the fieldwork at Molí del Salt archaeological site.

Date: 05/03/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 15/03/2019

**Specific collaboration agreement between Ajuntament de Montblanc and IPHES.**

Main agreement: Financial contribution to Cantacorbs and Sepulcre de Mas d'en Llord archaeological sites.

Date: 18/03/2019

**Specific collaboration agreement between Ajuntament de la Canonja and IPHES**

Main agreement: Financial contribution to the cofinancial of the Operació Mamut (RIS3Cat)

Date: 27/03/2019

**Specific agreement between Fundació La Caixa and IPHES.**

Main agreement: Grant a Junior Leader fellowship to Elodie Brisset

Date: 01/04/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 08/04/2019

**Specific agreement between Ajuntament de Sant Martí de Tous and IPHES**

Main agreement: Financial contribution to the fieldwork at la Guinardera archaeological site

Date: 12/04/2019



**Specific collaboration agreement between Ajuntament de la Canonja and IPHES**

Main agreement: Financial contribution to the fieldwork at Barranc de la Boella site

Date: 23/04/2019

**Minor contract with Diputació de Barcelona**

Main agreement: Bibliolab project

Date: 24/04/2019

**Specific agreement between Ajuntament la Riba and IPHES**

Main agreement: Financial contribution to the fieldwork at la Cansaladeta archaeological site

Date: 06/05/2019

**Specific agreement between Fundación Instituto de Investigación en Prehistoria and IPHES**

Main agreement: Campus Arqueológico de Verano development

Date: 07/05/2019

**Specific agreement between Ajuntament de Caldes de Malavella and IPHES**

Main agreement: Financial contribution to the fieldwork at Camp dels Ninots archaeo-palaeontological site

Date: 08/05/2019

**Memorandum of understanding between Tell-Hai College and IPHES**

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: 09/05/2019

**Memorandum of understanding between Université d'Alger 2 and IPHES**

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: 09/05/2019

**Specific agreement between Ajuntament la Febró and IPHES**

Main agreement: Financial contribution to the fieldwork at les Borres archaeological site

Date: 10/05/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 13/05/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 13/05/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 13/05/2019

**Learning traineeship specific agreement between Escola de Conservació i Restauració de Béns Culturals and IPHES.**

Main agreement: External practical training at IPHES. 1 student.

Date: 13/05/2019

**Learning traineeship specific agreement between Escola de Conservació i Restauració de Béns Culturals and IPHES.**

Main agreement: External practical training at IPHES. 1 student.

Date: 13/05/2019

**Learning traineeship specific agreement between Escola de Conservació i Restauració de Béns Culturals and IPHES.**

Main agreement: External practical training at IPHES. 1 student.

Date: 13/05/2019

**Memorandum of understanding between Università di Napoli-l'Orientale and IPHES**

Main agreement: The strengthening of research and dissemination actions and the reciprocal reception of researchers

Date: 31/05/2019

**Memorandum of understanding between Università di Padova and IPHES**

Main agreement: The reciprocal reception of researchers

Date: 31/05/2019

**Memorandum of understanding between Consorci de serveis universitaris de Catalunya and IPHES.**

Main agreement: Data management of the Portal de Recerca de Catalunya

Date: 03/06/2019

**Learning traineeship specific agreement Escola de Disseny i Art and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 03/06/2019

**Agreement between Diputació de Tarragona and IPHES**

Main agreement: To boost the international research of IPHES

Date: 07/06/2019



**Specific agreement between Diputació de Tarragona and IPHES.**

Main agreement: Financial contribution to the fieldwork at Barranc de la Boella site.

Date: 10/06/2019

**Learning traineeship specific agreement Escola de Disseny i Art and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 10/06/2019

**Memorandum of understanding between Ajuntament l'Espluga de Francolí and IPHES.**

Main agreement: The strengthening of research and dissemination actions related to prehistory and human evolution and the enhancement of cultural heritage of Cova de la Font Major archaeological site.

Date: 11/06/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 17/06/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Extracurricular practical training at IPHES. 1 student

Date: 02/07/2019

**Collaboration agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: To promote PhD thesis at IPHES

Date: 22/07/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 05/08/2019

**Learning traineeship specific agreement between University of Calgary and IPHES**

Main agreement: Higher education training at IPHES. 1 student

Date: 05/09/2019

**Collaboration agreement between Max Plank Institute and IPHES**

Main agreement: To make DNA analyses of sediment from Teixoneres Cave

Date: 16/09/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 16/09/2019

**Collaboration agreement between Palarq Foundation and IPHES**

Main agreement: Funding support to the project "Prehistoria y Transhumancia en el Alt Ripollès"

Date: 30/09/2019

**Learning traineeship specific agreement between Universitat Rovira i Virgili and IPHES**

Main agreement: Curricular practical training at IPHES. 1 student

Date: 01/10/2019

**Memorandum of understanding between University of Belgrade and IPHES.**

Main agreement: To facilitate mutually beneficial academic and research cooperation

Date: 17/10/2019

**Collaboration agreement between Palarq Foundation and IPHES**

Main agreement: Funding support to the project "Fabricación de láminas delgadas para el estudio de los niveles Q del abrigo Romaní"

Date: 24/10/2019

**Learning traineeship specific agreement between University of Calgary and IPHES**

Main agreement: Higher education training at IPHES. 1 student

Date: 06/11/2019

**Learning traineeship specific agreement Escola de Disseny i Art and IPHES.**

Main agreement: Curricular practical training at IPHES. 1 student.

Date: 11/11/2019

**Collaboration agreement between Palarq Foundation and IPHES**

Main agreement: Funding support to the project "Contexto faunístico y paleoambiental del yacimiento de Quibas"

Date: 18/11/2019

**Collaboration agreement between Palarq Foundation and IPHES**

Main agreement: Funding support to the project "Identificación de restos neandertales en la Cova de les Teixoneres (Moià, Barcelona)"

Date: 18/11/2019

**Collaboration agreement between Palarq Foundation and IPHES**

Main agreement: Funding support to the project "Estudios de los registros pleistocenos de la Cuenca de Engel Ela-Ramud, Eritrea"

Date: 21/11/2019





**Specific collaboration agreement between Ajuntament de l'Hospitalet de l'Infant and IPHES**

Main agreement: "Neanderlife" temporary exhibition

Date: 09/12/2019

**Memorandum of understanding between Ajuntament de Queralbs and IPHES.**

Main agreement: The strengthening of research and dissemination actions related to prehistory and human evolution and the enhancement of cultural heritage.

Date: 17/12/2019

**Specific agreement between Ajuntament l'Espluga de Francolí and IPHES**

Main agreement: Financial contribution to the fieldwork at Cova de la Font Major site

Date: 12/12/2019

**Collaboration agreement between ICREA and IPHES**

Main agreement: ICREA personal affiliation

Date: 20/12/2019

## Scientific assessment

### **“Pla director del jaciment arqueològic del Barranc de la Boella (La Canonja)”**

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de la Canonja

Participation: Coordination

### **“Projecte Museogràfic Executiu de l’espai AQUAE”**

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de Caldes de Malavella.

Participation: Scientific advisor

### **“Projecte Museogràfic Bàsic i Executiu de l’espai MAMMUTHUS”**

Category: Enhancement of cultural heritage assesment

Partner: Diputació de Tarragona & Ajuntament de la Canonja

Participation: Coodinator

### **Scientific training: Member of the Organizing Committee of the Geology Olympiads for the promotion of the scientific vocation among the educational community**

Category: Scientific contents

### **“Rambla Science project. PO FEDER Catalunya 2014-2020”**

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de Tarragona, ICIQ, URV, IISPV & ICAC

Participation: Scientific advisor

### **“Taula de recerca científica i didàctica de les Ciències de la terra per la constitució del Geoparc Conca de Tremp-Montsec, Pallars Jussà (Lleida)”**

Category: Scientific contents

Participation: Consultant

### **“Projecte bàsic i d’execució d’itineraris interpretatius d’indrets singulars històrics i arqueològics dels termes de la Febró i Prades”**

Category: Enhancement of cultural heritage assesment

Partner: Ajuntament de la Febró & Ajuntament de Prades

Participation: Coordination

### **“Periódico de Atapuerca”**

Category: Scientific contents

Partner: Fundación Atapuerca

Participation: Coordination and co-edition



## Scientific and technical training

Researcher: **Ethel Allué**

Student: Sabrina Bianco

Scientific training: Erasmus+ Mobility for Traineeships for the learning on Archaeobotany methods and techniques

Researcher: **Gema Chacón** and **Bruno Gómez de Soler**

Student: Nil Borrell

Scientific training: Scientific assessment of the final research projects of one student from the Universitat Oberta de Catalunya - Universitat Rovira I Virgili (UOC -URV) Grau d'Antropologia i Evolució Humana

Researcher: **Isabel Expósito**

Student: Dandara Jesus Francisco

Scientific training: Supervision in sedimentary charcoal extraction techniques and analysis. Supervision of the Master Thesis

Researcher: **Isabel Expósito**

Technician: Celia Díez-Canseco

Technical training: (SOC-PEJ technician). Supervision in the techniques of extraction of pollen residue

Researcher: **Gala Gómez**

Student: Irene Cazalla

Scientific training: Curricular internship of "Máster de Diagnóstico del estado de Conservación del Patrimonio Histórico" at Universidad Pablo de Olavide (Sevilla, España)

Technician: **Gala Gómez**

Student: Sergi Gomis

Scientific training: Scientific training in collaboration internship of "Máster en Arqueología del Cuaternari i Evolució Humana" (URV)

Researcher: **Rosa Huguet**

Scientific training: Scientific coordination of 2 students on internship (4th course of Grau en Antropologia Cultural i Evolució Humana, URV)

Researcher: **Rosa Huguet**

Student: Abel Moclán

Scientific training: Scientific training and supervisor of Abel Moclán's PhD (CENIEH, Universidad de Burgos)

Technician: **Núria Ibáñez**

Technician: Edgar Téllez

Technical training: (SOC technician). Supervision in collections management

Researcher: **Juan Manuel López García**

Scientific training: Scientific training as a supervisor of one PEJ technician for the microvertebrate laboratory-IPHES (granted)

Researcher: **Juan Manuel López García**

Scientific training: Scientific training as a supervisor of one postdoctoral Marie Slodowska-Curie individual fellowship for IPHES (pending resolution)

Researcher: **Juan Manuel López García**

Scientific training: Scientific training as a supervisor of one postdoctoral fellowship from “Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET, Argentina)” for IPHES (pending resolution)

Researcher: **Juan Manuel López García**

Scientific training: Scientific training as a supervisor of one postdoctoral Juan de la Cierva – Incorporación contract for IPHES (not granted)

Researcher: **Lucía López-Polín**

Student: Abdallah Mohamed Nganyalila

Scientific training: Scientific training of the student traineeship from Dar es Salaam University

Researcher: **Carlos Lorenzo**

Scientific training: Scientific training of 2 students during their mobility stage at IPHES/URV from the International Master in Quaternary and Prehistory

Researcher: **Carlos Lorenzo**

Scientific training: Scientific training of 1 student during their traineeship stage at IPHES from Università degli Studi di Ferrara

Technician: **Elena Moreno**

Technical training: Scientific training of 3 student in curricular practices of “Grado en Estudios Superiores de Conservación y Restauración de Bienes Culturales” of Escola Superior de Conservación i Restauración de Bienes Culturals de Catalunya (Barcelona, España)

Researcher: **Marina Mosquera**

Students: Diego Lombao, Arturo Cueva Temprana and Andión Arteaga

Scientific training: Scientific training of 3 PhD granted students



Researcher: **Andreu Ollé**

Scientific training: Organization of a stay at IPHES (April 20th to May 3rd) of Dr. Shixia Yang (CAS-MPI), to launch a scientific collaboration in the fields of lithic technology and use-wear analyses. It included a talk (April 30th) at IPHES titled: "Behavioral Adaptations of Early Human in North China

Researcher: **Jordi Revelles**

Scientific training: Scientific training of 3 students (2 from the 4th course of Grau d'Arqueologia-UAB, 1 from the Master's degree in Quaternary Archaeology and Human Evolution (Erasmus Mundus - IPHES-URV) on sedimentary charcoal analysis

Researcher: **Florent Rivals**

Scientific training: Scientific training to dental microwear for 2 PhD students from Université Paul Valéry (France) and University of Thessaloniki (Greece)

Researcher: **Josep Maria Vergès**

Scientific training: Scientific training of 3 students on placements (Escola d'Art i Disseny de Tarragona)

Researcher: **Josep Maria Vergès**

Student: Diego Capra

Scientific training: Scientific training and supervisor of Diego Capras' PhD (Università di Napoli-L'Orientale)

Researcher: **John C. Willman**

Researcher: Antonietta Del Bove

Scientific training: Feedback on Wenner Gren Doctoral Thesis

Researcher: **John C. Willman**

Researcher: Mónica Fernández García

Scientific training: Feedback on Tübingen Prize for Ice Age Research

## Instrumental and not instrumental services

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: Ajuntament de Calella

Service: **Realització de làmines primes de sediment. Proyecto MTAS**

Client: Instituto Tierra et Memória. Maçao. Portugal

Service: **Exhibició de l'exposició "Neanderlife. Moments de la vida neandertal" al Museu de Reus (Tarragona). Novembre 2018 - gener 2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" al Pla de Santa Maria (Tarragona). Desembre 2018 - gener 2019**

Client: Diputació de Tarragona

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Dels Neandertals als Sapiens: tecnologia i simbolisme"**

Client: OAM Fundació Castell de Calafell

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Manuel Sales. Ulldecona

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Clot del Moro. Sagunt

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: Universitat Rovira i Virgili. Tarragona

Service: **Exhibició de l'exposició "Sabater Pi. Una vida dedicada a la recerca" al Pla de Santa Maria. Febrer-març 2019**

Client: Diputació de Tarragona.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Vicent Castell i Domènech. Castelló de la Plana



Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: Secció d'Educació secundària de l'IES Alfonso XIII. Benassal

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Vallmoll (Tarragona).**

**Febrer-març 2019**

Client: Diputació de Tarragona.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Alfonso XIII. Cabanes

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Betxí. Betxí

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: Colegio FEC Madre Vedruna Sagrado Corazón. Castelló de la Plana

Service: **Exhibició de l'exposició "Darwin i l'Evolució" a Vallmoll. Març 2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Sabater Pi. Una vida dedicada a la recerca" a Vallmoll. Març 2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Amposta (Tarragona). Març-abril 2019**

Client: Diputació de Tarragona.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: CEIP Lluís Revest. Castelló de la Plana

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: CEIP Escultor Ortells. Vila-real

Service: **Exhibició de l'exposició "Sabater Pi. Una vida dedicada a la recerca" a Vespella. Abril 2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Neanderlife. Moments de la vida neandertal" al Pla de Santa Maria. Abril-maig 2019**

Client: Diputació de Tarragona.

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Pere Boilt. Manises. L'Horta Oest

Service: **Exhibició de l'exposició "Darwin i l'Evolució" a Vandellós. Maig 2019**

Client: Diputació de Tarragona.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Vespella (Tarragona). Maig 2019**

Client: Diputació de Tarragona

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: CEIP Escultor Ortells. Vila-real

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: Conselleria d'Educació, Cultura i Esport - Direcció General de Cultura - Museu de La Valltorta. Tírig

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Puçol. Puçol

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: Ajuntament de Vespella de Gaià.

Service: **Anàlisi de pol·len de sediment arqueològic. 5 mostres**

Client: Centre National de la Recherche Scientifique (CNRS). Les Nancy Cedex. France.

Service: **Realització d'una porta-tanca a la cova de les Orenetes (Queralbs, Girona)**

Client: Generalitat de Catalunya. Departament de Cultura. Direcció General de Patrimoni Cultural.

Service: **Exhibició de l'exposició "Europa ara fa 1 milió d'anys" a Vilabella (Tarragona). Novembre- desembre 2019**

Client: Diputació de Tarragona.





Service: **Anàlisi seqüencials d'isòtops de carboni i d'oxigen de 16 dents d'ovelles del jaciment de Mas Castellar (Pontós), per tal d'obtenir informació sobre les pautes alimentàries del ramat oví**

Client: Generalitat de Catalunya. Departament de Cultura. Direcció General de Patrimoni Cultural

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria: "Un viatge de milions d'anys". Biblioteca de Piera (Barcelona)**

Client: Diputació de Barcelona

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: IES Sant Sebastià. Vinaròs

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: IES Gençana. Godella

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Francesc Ribalta. Castelló

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "Humans i pedres"**

Client: IES Serra d'Espadà. Onda

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Francesc Tàrrrega. Vila-real

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "From hunters to gatherers"**

Client: IES Àgora Lledó. Castelló

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: CEIP Compte d'Aranda. Alcora

Service: **Realització d'activitats didàctiques i tallers pràctics sobre la prehistòria. "De caçadors a ramaders"**

Client: IES Vicent Castell Domènech. Castelló



# Xarxa de Municipis IPHES

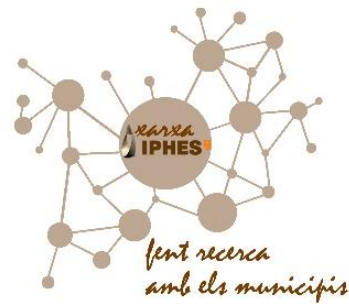




The basis of the research developed at IPHES is located in the archaeopalaeontological sites. Since its inception, this research center has considered the municipalities where these sites are located as true partners, indispensable actors in the valorization of the Archaeological Heritage. In the way IPHES created in 2018 the Network of Municipalities IPHES (*Xarxa de Municipis IPHES*), a fabric committed with the territory.

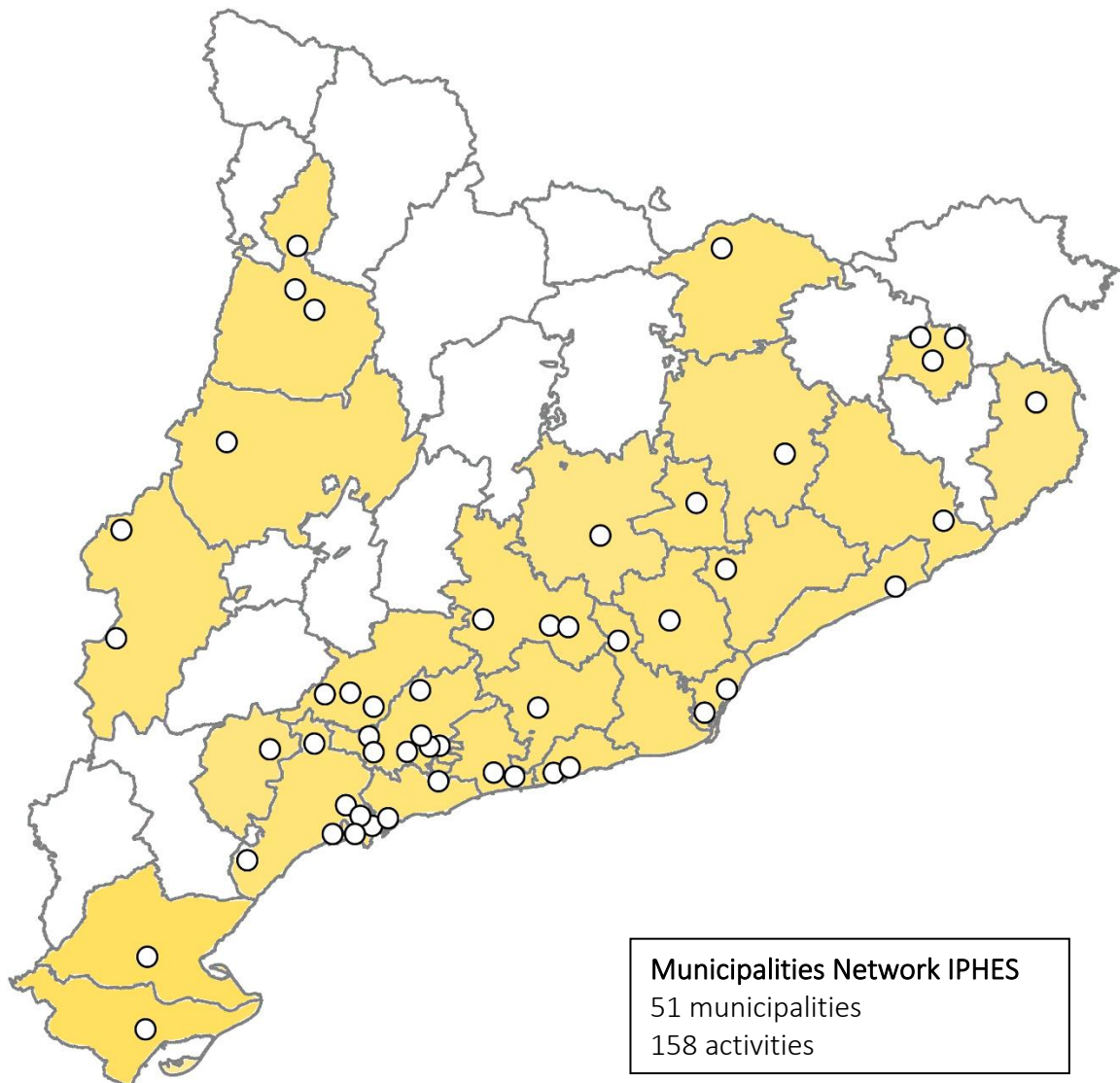
In 2018, 14 municipalities that collaborate with IPHES have received recognition from the hands of their representatives: Caldes de Malavella, Cambrils, Capellades, el Catllar, l'Espluga de Francolí, la Canonja, la Febró, la Riba, Moià, Montblanc, Mont-Ral, Salou, Vimbodí and Poblet and Tarragona, the latter for the support of IPHES since its inception, and especially to facilitate the construction of the building at Tarragona city. The recognized municipalities are localities which have been involved in the development of research and socialization activities, either by contributing logistically or economically to archaeological fieldwork, involving the creation of spaces for the interpretation and enhancement of archaeological sites, hosting exhibitions, etc., in order to bring about and participate in knowledge of Prehistory and Human Evolution to citizens from their own territory.

In 2018 there were 64 villages in Catalonia which collaborated with the different activities that were carried out in the territory, some of which, apart from the town councils, are also carried out thanks to the support of the Generalitat of Catalonia, of the Diputació de Tarragona or the Diputació de Barcelona.



The main goal of the Network of Municipalities IPHES is to value the collaboration of the recognized villages with the research, academy and/or socialization activities of IPHES, which allow them to bring science closer to society. To meet this goal, IPHES has been dedicating to developing activities such as conferences, visits to the archaeological fieldworks, exhibitions, visits to schools, workshops in libraries and participation in fairs in several towns. It has been created accounts of the Network of Municipalities IPHES at Instagram and Facebook, with the aim of facilitating the diffusion of the activities of IPHES in the territory.

In 2019 IPHES developed 158 different activities in 51 municipalities of the Xarxa de Municipis IPHES. This numbers represent an important increase respecting the activity of 2018, when IPHES developed 110 activities. Furthermore, in most of the localities IPHES developed more than 1 different activity. In the following map and Table it is showed the list of municipalities where IPHES developed action on the territory during 2019.

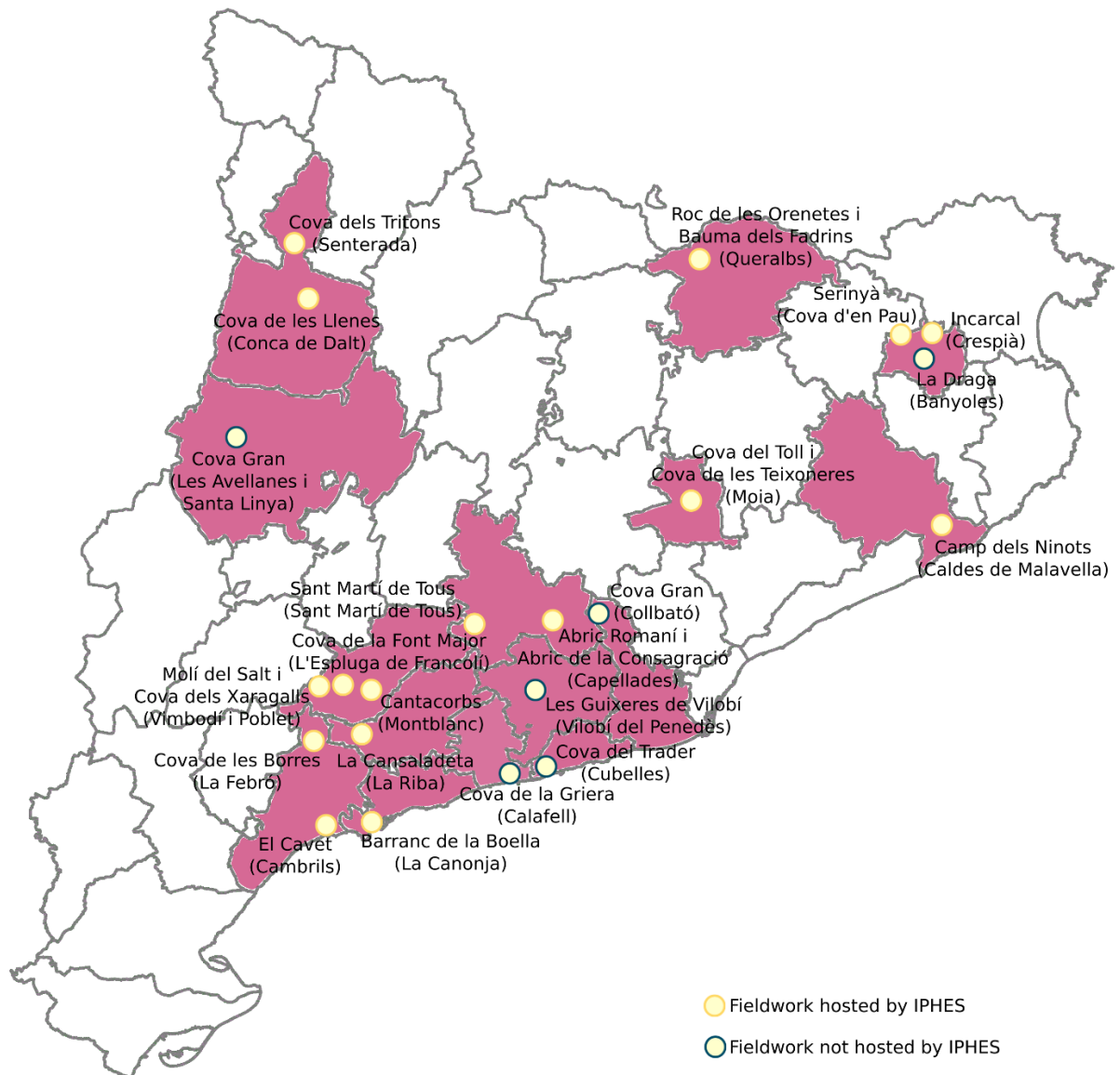


|                        |                             |                                    |
|------------------------|-----------------------------|------------------------------------|
| Alcover                | Hospitalet de Llobregat     | Sant Martí de Tous                 |
| Almacelles             | La Canonja                  | Senterada                          |
| Amposta                | La Febró                    | Serinyà                            |
| Banyoles               | La Pobla de Segur           | Seròs                              |
| Barcelona              | La Riba                     | Tarragona                          |
| Bràfim                 | Les Avellanes i Santa Linya | Terrassa                           |
| Calafell               | L'Espluga de Francolí       | Tortosa                            |
| Caldes de Malavella    | Manresa                     | Ullastret                          |
| Calella                | Moià                        | Vallmoll                           |
| Cambrils               | Montblanc                   | Vandellòs i Hospitalet de l'Infant |
| Capellades             | Piera                       | Vespella de Gaià                   |
| Collbató               | Pla de Santa Maria          | Vic                                |
| Conca de Dalt          | Puigpelat                   | Vilabella                          |
| Cornudella de Montsant | Queralbs                    | Vilanova i la Geltrú               |
| Crespià                | Reus                        | Vila-seca                          |
| Cubelles               | Salou                       | Vilobí del Penedès                 |
| El Vendrell            | Sant Feliu de Codines       | Vimbodí i Poblet                   |

## Activity of Xarxa de Municipis IPHES

### Fieldwork Projects

Archaeological excavations represent one of the best examples of IPHES action on the territory that composes the Network of Municipalities IPHES, since fieldworks involve the transfer of part of the team to the different municipalities in which archaeological excavations takes part. In 2019, IPHES has participated in fieldworks on 22 municipalities, as reflected on the map.

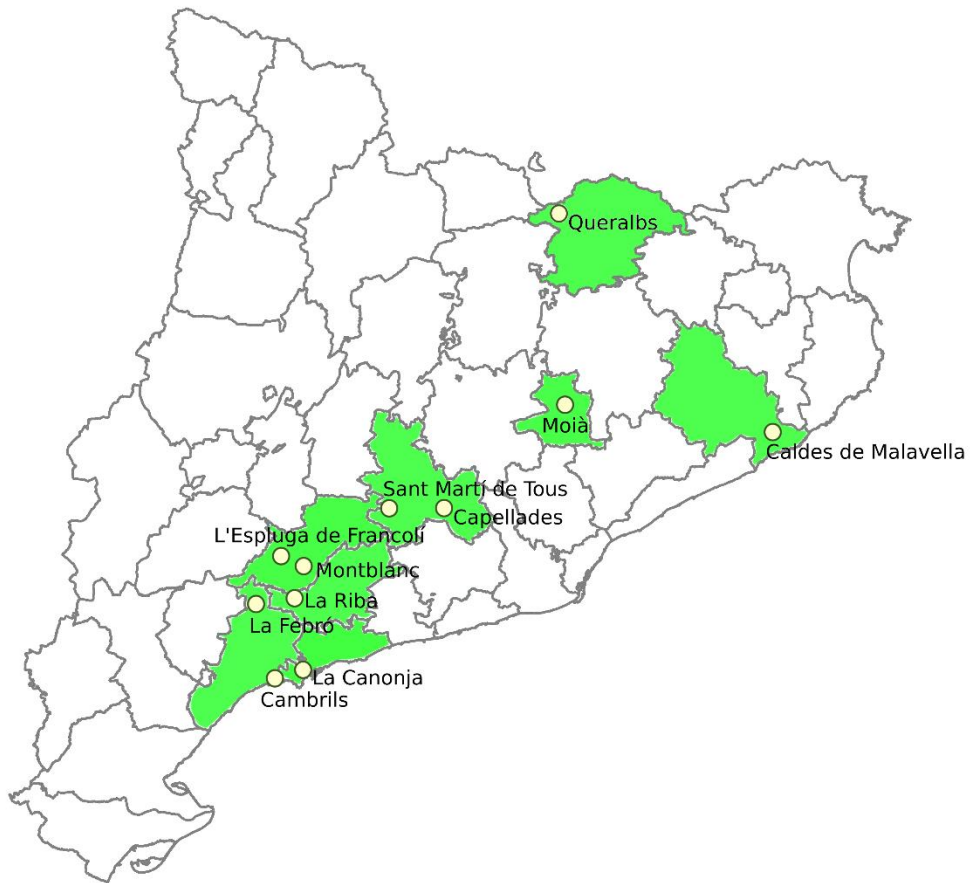


### Agreements

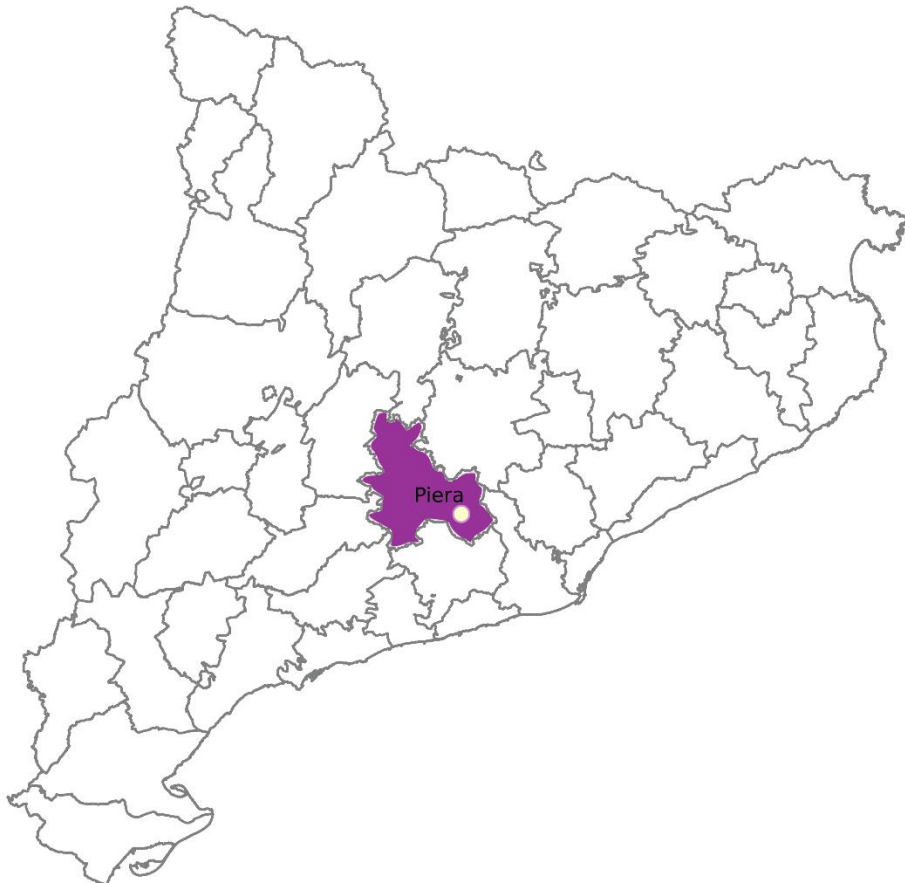
IPHES has continued to promote the collaboration with the municipalities through framework agreements and specific. In 2019, IPHES has maintained agreements with municipalities in Catalonia. These are mainly municipalities where IPHES conducts fieldwork projects, such as Caldes de Malavella, Cambrils, Capellades, La Canonja or Montblanc.







**Bibliolab**

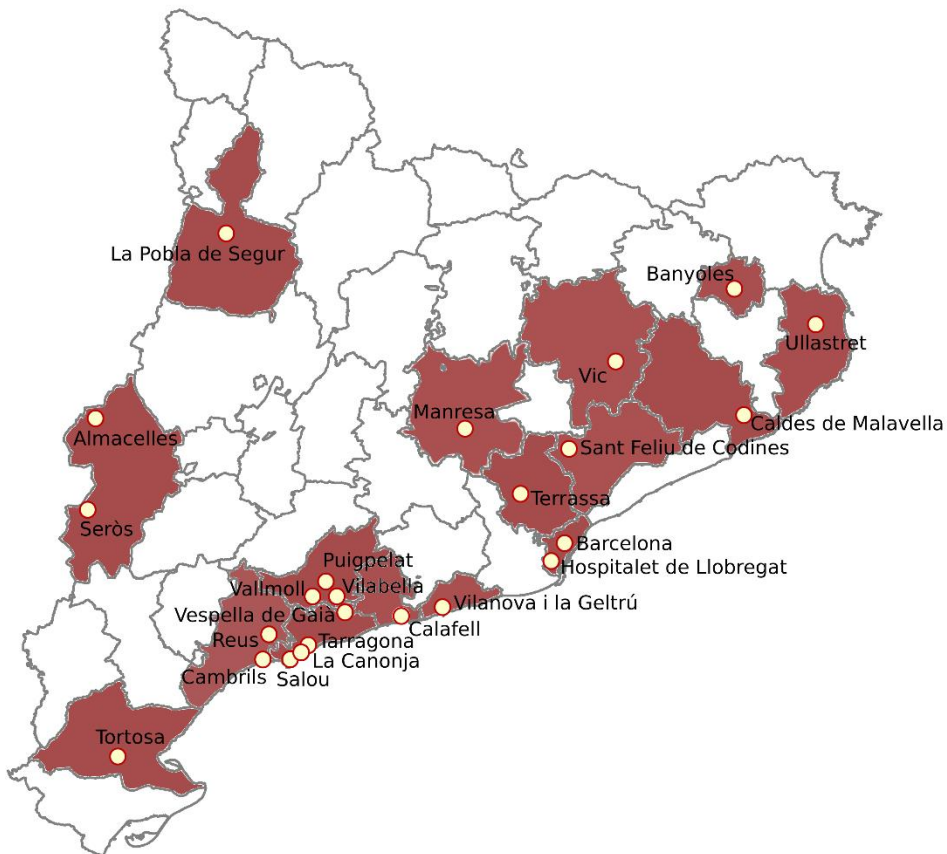


Within the *Bibliolab* project of the *Xarxa de Biblioteques Municipals de la Diputació de Barcelona*, IPHES has given one workshops at Piera. The workshop titled *A Millions of Years' Travel (Un Viatge de Millions d'Anys)* is dedicated to teaching basic concepts about Prehistory.



### Conferences and talks

As part of the IPHES' action on the territory, 33 conferences were held in 24 municipalities during 2019. These conferences have been held in all the provinces of Catalonia, in most cases in localities at which IPHES conducts fieldworks projects.



### Exhibitions

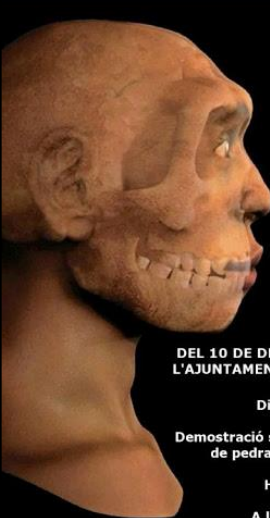
Exhibitions were held in 8 municipalities during 2019. In the map, it can see the different municipalities where exhibitions were exposed. *Europe one million year ago (Europa ara fa 1 millio d'anys)* visited six townships (brown circle in the map) and *Jordi Sabater i Pi. A life dedicated to research (Jordi Sabater i Pi. Una vida dedicada a la recerca)* visited three townships (red circle in the map). *Darwin and the Evolution (Darwin i l'Evolució)* (blue circle in the map) and *Neanderlife, moments of Neanderthal life (Neanderlife, moments de vida Neandertal)*



(yellow in the map) visited two localities. In some localities as Pla de Santa Maria, Vespellà de Gaià i Vallmoll we exhibit more than one exposition during 2019.



**Exposició**



**Europa fa un milió d'anys**

DEL 10 DE DESEMBRE A L'11 DE GENER A L'AJUNTAMENT DEL PLA DE SANTA MARIA


Dilluns 7 de gener

Demostració sobre l'evolució de les eines de pedra amb Miquel Guardiola

Hora: 11:00 h


A la Plaça de la Vila

Amb el suport de:




**EXPOSICIÓ**

Jordi Sabater Pi  
Una vida dedicada a la ciència

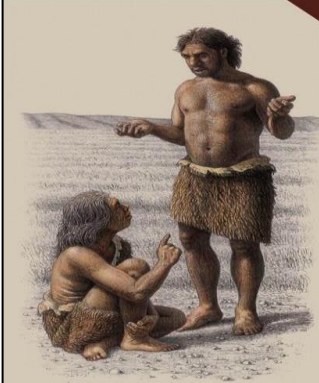



Al Centre d'Interpretació d'Art Rupestre (C/ Pedrera, 2)  
del 7 d'agost al 24 de setembre

Horari:  
De dimarts a divendres de 10h a 14h



**NEANDERLIFE**  
MOMENTS DE LA VIDA NEANDERTAL



## Public Science Events

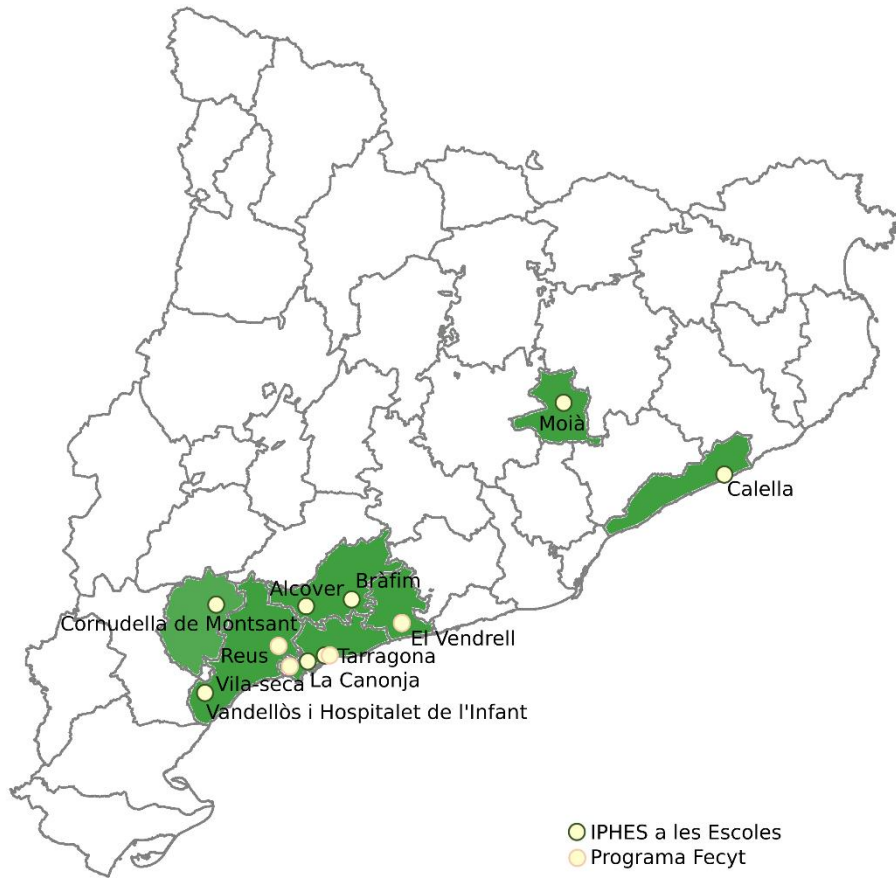
During 2019 IPHES has held demonstrations public... in six municipalities. These demonstrations are focused on the experimental work and are related with important topics in Human Evolution as the stone tools, the life of hunters-gatherers, art or the Mediterranean cuisine.



## IPHES a les escoles

The *IPHES a les escoles* program supposes the approach of the knowledge of Prehistory and Archeology to the kids, through workshops that were made in several schools of the territory. This year, this program includes also *Les escoles a l'IPHES*, in which students visit IPHES installations, and *IPHES als barris*, in which IPHES visits different neighborhood of Tarragona city. Also includes activities related with Fecyt Program. During 2019 IPHES developed this program in 25 schools at 11 localities, reaching 1218 students.







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**CRAI**

E2

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S1

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| Institut de Paleologia Humana i Evolució Social (IPHES) | W3 |





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