



IPHES^R

Institut Català de Paleoeologia
Humana i Evolució Social



Annual Report 2021



Board of Trustees



**Generalitat
de Catalunya**



**UNIVERSITAT
ROVIRA I VIRGILI**



**AJUNTAMENT DE
TARRAGONA**

Member of



With the support of



Contents

Foreword

Management

About IPHES-CERCA	7
Management in 2021	7
Annual Revenue	12
Staff	13
Scientific Advisory Board	17
Board of Trustees	17

Research

Research in Figures	19
Research Groups	20
Projects & Fellowships	26
Publication List	40
Editorial Work	56
Activity as Referees	57
Dissemination	59
Fieldwork Activity	75
Mobility	80
Positions of Importance	84
Awards	84

Education

University Degrees Offered at URV	86
Defended Theses	89
Participation in PhD Tribunals	94
Following Careers	98

Outreach & Science Communication

Outreach Activities	100
Science Communication	110

Scientific and Technical Services & Knowledge-Transfer

Scientific & Technical Services	117
Knowledge-Transfer	120

Xarxa de Municipis IPHES

About Xarxa de Municipis IPHES	126
Activity in 2021	127

Foreword



Dr. Robert Sala Ramos
Director of IPHES-CERCA

"One year ago, I referred to 2020 as an unusual year and closed my foreword demanding a worldwide improved social integration. Unfortunately, the pandemic seems to be just the doorway to a general crisis in social and international relationships. Instead of reducing the inequalities the different international crises are devastating the economic and social networks, and increasing the inequality in the world. And even worse, the recent war between Russia and Ukraine is provoking a daily deadly toll.

Such a framework makes it much more important the scientific, academic and social commitment of the institutions like IPHES-CERCA. The work in common of science, training of young scientists and the social program interacting with schools and general public is more and more a basic strategy that this Annual Report largely shows.

2021 has also been a difficult year for many reasons. The fieldwork has been as extensive as possible within the pandemic situation. IPHES-CERCA led all the national research fieldwork programmed and, like for 2020, only the international fieldwork campaigns suffered restrictions. Nevertheless, campaigns in Catalonia and Spain suffered also from reductions either in their duration or in the number of involved scientists. We hope to recover the full normality in 2022 fieldwork season.

Two consecutive years of restrictions in fieldwork maybe is the cause for the decrease in the number of publications of the IPHES -CERCA staff. Even though, the results in terms of quality of the research and international cooperation are good and we have to be proud of them.

Beyond research, 2021 has been marked in IPHES-CERCA by the implementation of the María de Maeztu program through the creation of different ethical and RRI committees, the restructuring of IPHES-CERCA organisation chart and by hiring post-doc and technical positions to improve the research and laboratories capacities at IPHES-CERCA. We are convinced that these novelties will change the IPHES-CERCA results since now on.

A new hallmark for IPHES-CERCA in 2021 has been the granting of a COFUND program by the European Research Council. It is a new excellence label after the maximum qualification by CERCA in 2019 and the granting of the María de Maeztu by the Spanish Ministry in 2020. It increases the capacity of IPHES-CERCA to hire new post-docs and to improve its research capacity.

In the academic field, during 2021 ten PhD theses have been defended under the supervision of IPHES-CERCA researchers. This is a very good score that stands out the capacity of IPHES-CERCA for training.

Finally, the IPHES-CERCA social program in schools has succeed in recover at some level after the worst part of the crisis and it has been possible to make a good number of scholar activities. We improved the diffusion of IPHES-CERCA programs in schools and we continue the museographic work at the Mammuthus Project in La Boella site in La Canonja that is expected to be one of IPHES-CERCA major points for socialization of science. The impact of Mammuthus Project along with the already implemented Aquae in Caldes de Malavella, and the future centres at L'Espluga de Francolí devoted to the Palaeolithic engravings as well as the interpretation site at Capellades linked to the Abric Romaní rockshelter Neanderthal settlements will be good poles for IPHES-CERCA municipality programs that need to retake its normality at the end of the pandemic.

We hope you may find interesting the IPHES-CERCA Annual Report for 2021. We will continue to work in the improvement of science, training of new cohorts of young scientists and in the socialisation of science as a social force to gain in resilience."





Authorship: Maria Guillén

Management

About IPHES-CERCA

The **Institut Català de Paleoecologia Humana i Evolució Social (IPHES-CERCA)** is a research centre created in 2005 with the aim of carrying out first-class level research in the field of Paleoecology and Human Evolution.

We study the biological and cultural context of Human Evolution from a prehistoric evolutionary perspective, by crossing different disciplines applied to the archaeo-paleontological remains.

Management in 2021

IPHES-CERCA management has faced four great challenges during 2021: its incorporation into the public sector, dealing with COVID-19 pandemic, the development of a Gender Equality Plan, and its commitment to continue improving Human Resources as part of the HRS4R award.

IPHES-CERCA became part of the Generalitat of Catalunya public sector

The first challenge was taking the step forward to form part of the Catalan Public Sector. It was carried out in 2020, when the IPHES-CERCA Board of Trustees decided to publish new statutes in order to adhere to the Catalan Ministry of Business and Knowledge.

Following the new statutes, the IPHES-CERCA board had to be formed by three representatives of the Catalan Government, one from Universitat Rovira i Virgili (URV), and one from Tarragona city council. Therefore, the new distribution of seats within the board panel meant that there is now a majority representation from the Catalan Government.

Finally, in 2021 IPHES-CERCA formally joined the 497 entities that feature in the Catalan Public Sector Register.

Consequently, new procedures and regulations had to be developed and applied corresponding to the Generalitat guidelines, rules and regulations.

The budgetary control applied by the Generalitat requires more periodical financial reports and different procedures following the Generalitat budget planning and execution.

In addition, IPHES-CERCA is still adapting and revising the different mechanisms and systems of purchasing goods and contracting services in order to comply with the guidelines established by the Public Administration due to the fact that general spending depends on public funding.

Covid-19

Covid-19 has been a major issue which has conditioned IPHES-CERCA in many different ways. Essential measures were taken to tackle the changing circumstances of Covid-19 throughout 2021. These have been a challenge and as a result the management team have worked hard to apply the following preventative measures:

1. Daily monitoring of people entering the building in order to identify possible infected staff and to inform close contacts in case of possible positive infections;
2. Daily thorough cleaning with disinfectants;
3. Ventilation of the building following the prevention guidelines of COVID-19 established by the Generalitat of Catalunya;
4. Use of hydrogels;
5. Application of different safety protocols which were particularly specific for the laboratory and collection departments;
6. Maintaining the stated safety distance and avoiding close contact in the workplace;
7. Permanent use of FFP2 masks inside the building;
8. COVID-19 tests for IPHES-CERCA staff and other excavation participants;
9. Applying the COVID-19 protocol applicable to excavations under the coordination of the director of the excavations;
10. Staff training (everyone undertook COVID-19 training courses); implementation of posters and notices within the building, regular informative emails and reminders to staff regarding new regulations or recommendations.

Despite the difficult circumstances, the management team continued to fulfil its core activities such as organising timely payments, project accounting, employing new staff and contracting services and goods amongst other responsibilities.

In addition, it must be noted that ICTs have also been adapted in accordance with the circumstances. Since the beginning of the confinement, all possible support has been given to staff both by telephone and through remote connection applications in order to resolve any incidents that may have arisen during this time. The seminars which took place every Thursday at IPHES-CERCA were arranged through a platform which was specifically organised to cater for the exceptional circumstances at the time. Here, staff were able to exchange experiences and the results of their projects. Despite this change of format, attendance to the Thursday seminars continues to be organised to this day.

Gender Equality Plan

The IPHES-CERCA Equality Plan has been financed by the Generalitat of Catalunya (Dept. of Women and Equality) by means of grants supporting programmes fighting against social exclusion and inequality aggravated by the social crisis arising from COVID-19 (Decree-Law 25/2020 - 26/06/2020) as a result of the extraordinary measures taken regarding social affairs of a fiscal and administrative nature.

The Equality Plan has been brought forward by general consensus both by the centre and the legal representatives of the employees through the IPHES-CERCA Equality Negotiating Commission. This Equality Negotiating Commission has studied and analysed the gender diagnosis made. The consequent interpretation has been approved by the Negotiating Committee which was then presented to the IPHES-CERCA Equality Commission. As a result, a set of measures were proposed and submitted with an order and prioritisation for their implementation being decided by a voting system. Finally, this plan has been approved by the Negotiating Committee.



The Equality Commission will meet regularly to promote and reinforce the progress of the 15 measures included in the plan, which is in force from 2021 until 2025. A channel of communication with the Responsible Research and Innovation Committee (RRI) will be kept open to tackle future possible gender issues. Progress will be reported to the Monitoring Committee every six months by providing regular reports.

HRS4R: commitment to improve Human Resources

One of the main accomplishments of 2018 worth highlighting is that IPHES-CERCA obtained the HRS4R award as we are fully committed to improving Human Resources. This award includes a multiyear activity plan and calendar. The award serves to attract the outstanding talent and to help increase the chances of IPHES-CERCA obtaining excellent results in competitive programme evaluations where the award is required.

In 2020 IPHES-CERCA submitted the documentation for an internal evaluation, called interim assessment, in order to assess the achievement of the HRS4R award. An external audit is planned for 2023 to be carried out by evaluators appointed by the European Commission. The renewal of the award would thus be in 2024.

In 2021 one of the main accomplishments to highlight is the elaboration of a Welcome Guide. The IPHES Welcome Guide has been prepared through a participatory process in accordance with different members of the Administration and Research department (especially predoctoral staff) and the IPHES-CERCA Direction Committee (formed by the people representing each area: Director, Managing Director, Research Director, Research coordinator, Teaching Coordinator, RRI coordinator, Scientific and technical services coordinator).



Management activities

Improving Health and Security Conditions in the fieldwork

Excavations during 2021 have resumed their activity with great intensity. Implementing safety measures due to Covid-19 have been of the utmost importance, as well as improving the health and safety conditions of each site. In order to support these new measures a total of € 29,000 have been employed.

Figures for 2021:

- 236 Covid tests
- 6.000 face masks
- Drafting action protocols for the different sites
- Distribution of Personal Protective equipment for 57 employees and 133 voluntary workers
- A 60h training and preventative course for 18 senior staff on each site
- 4 specific health and safety reports for the La Boella, Cova del Toll, Abric Romaní i Abric de la Consagració sites
- 3 training sessions for 22 IPHES-CERCA new employees.

A workplace risk assessment was also performed.

By providing health and safety training to the 18 people previously mentioned, most of whom are responsible for site management, it guarantees that each excavation organised by IPHES-CERCA includes someone responsible for ensuring compliance with health and safety conditions during the archaeological excavations.

With the four health and safety reports completed for each site, a diagnosis was made and improvements for working conditions were proposed for the forthcoming years.

Human Resources

During 2021 there has been a significant increase in the number of IPHES-CERCA employees due to obtaining official recognition in 2020 from “Unidades de Excelencia Maria de Maeztu” which contributes to financing the development of different lines of investigation in IPHES-CERCA: the average number of employees in 2020 was 50.52 people and in 2021, 62.64 people.

In terms of training, 35 people took part in English courses in 2021. Due to the pandemic, online classes were provided at the beginning of the course and face-to-face lessons were resumed in the last term.

Collaboration with municipalities

By collaborating with 15 municipalities in 2021 in the organization of fieldwork campaigns or exhibitions, the management department has continued working with local communities. Further information about on the work with municipalities can be found on the Chapter 'Xarxa de municipis IPHES' of this report, entirely devoted to this topic.

Institutional activities

There are a number of institutional activities in which a large part of IPHES-CERCA management team participates by offering organisational and logistical support, such as:

Travel organisation: within the framework of the projects and for institutional purposes, support is provided in the organisation of national and international trips.

Support in the organisation of scientific events, such as conferences and workshops: in 2021, IPHES-CERCA has held 1 International Symposium (13th ISKM), 1 Annual Seminar (Archaeobotany) and 2 conferences (RCR hueso, TAPHEN), IPHES-CERCA management team has offered support in such.

Support in fieldwork campaigns: in 2021, IPHES-CERCA researchers participated in 40 national and international excavations. In those directed by IPHES-CERCA members, and as to facilitate the general planning and organisation, an up-to-date schedule of every excavation is kept with changes and additions being made throughout the year.

Support in internal governing bodies meetings and assemblies: the management area provides administrative-technical support and assistance in the organisation of several internal governing bodies meetings and assemblies. For instance, in 2021 support was given to:

- Board of Trustees meeting (held on 22/06/2021)
- Annual meeting (held on the 21/12/2021)
- 7 Board of Directors meetings
- 6 different Scientific Internal Committees
- 1 Scientific Advisory Board meeting, and its agenda and events scheduled around that event
- 2 Gender Equality Commission meetings plus the Negotiating Commission for the Gender Equality plan assemblies
- 30 seminars which were held every Thursday
- Several these committees



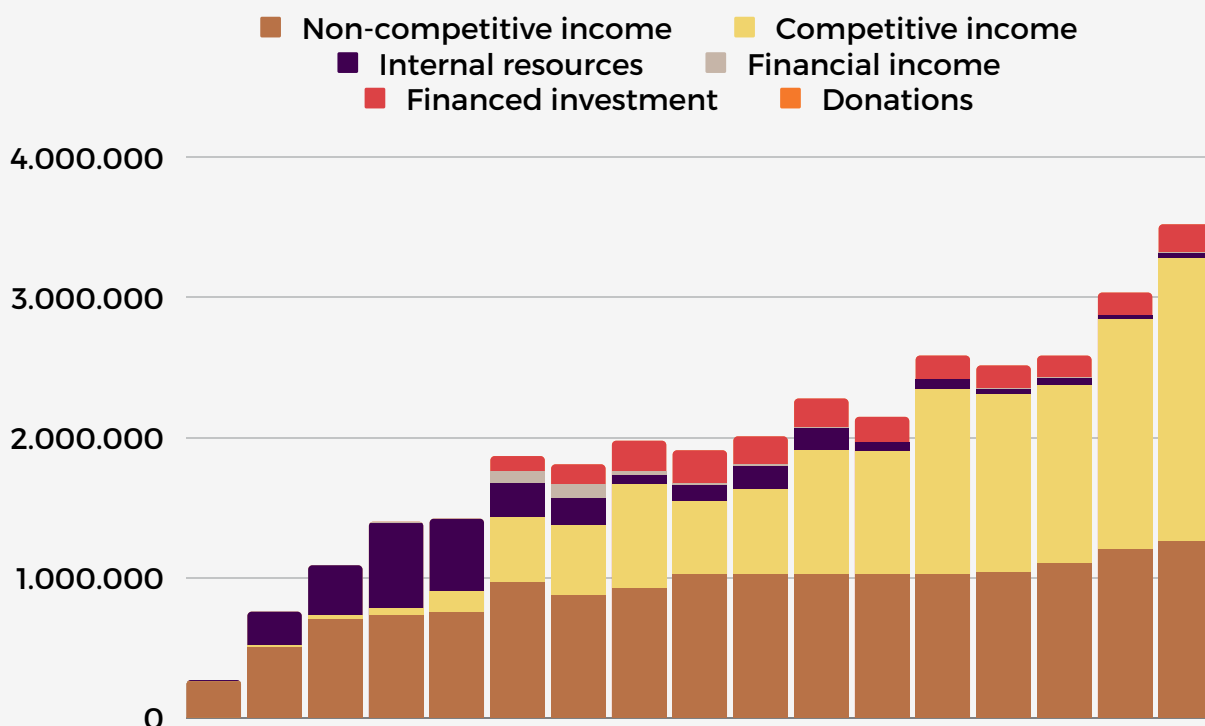
1. Board of directors
2. SAB meeting

Annual Revenue

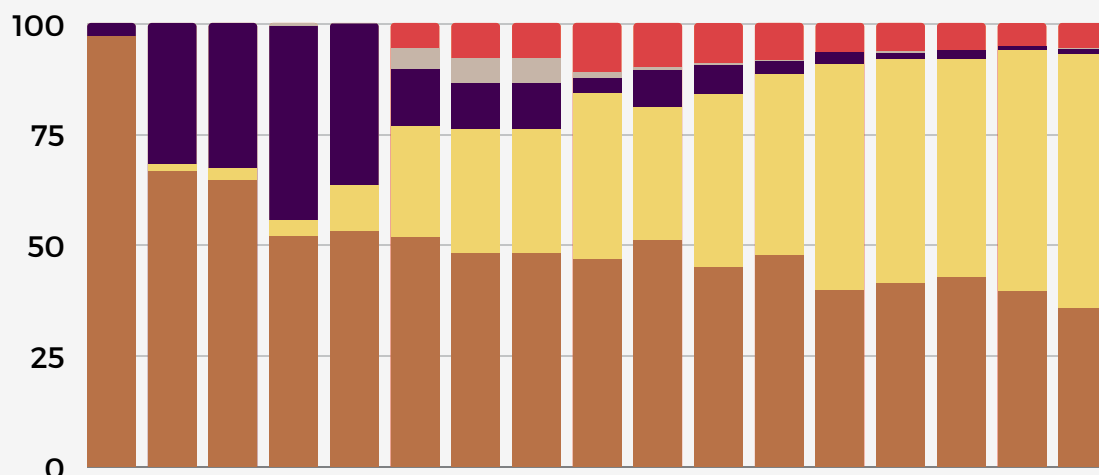
The IPHES-CERCA 2021 budget has been approximately 3,5 million euros (3.508.550,71€). Noteworthy, competitive income reached 2 million euros in 2021, which is 57% of the total income, following a positive trend starting in 2017 when it became IPHES-CERCA's main source of income.

Graphs below display IPHES-CERCA annual revenue from 2005 until 2021. The orange column shows the evolution of the competitive funding expressed as a percentage of the total income. The brown bars correspond to the trustees funding received. Despite the fact that this source of income is increasing each year, it is decreasing in percentage due to the growing force of competitive funding.

Annual revenue evolution



Annual revenue evolution - Percentages



Staff

The list of all IPHES-CERCA staff is provided in the following pages. Briefly, from a total of 82 staff members in 2021 (in full-time positions or equivalent), 66% is formed by researchers, followed by a 21% of technicians and an 11% of management or from the Projects and Transfer Unit.

The total employment cost for the permanent staff in IPHES-CERCA for 2021 was 1.017.948€. The Universitat Rovira i Virgili, as a trustee, is financing 11 researchers (663.109€) and ICREA is financing researchers valued at 375.445€. The rest of the workforce is mainly financed by competitive projects and grants.

Management (Full-time Equivalent = 8 people)

Name	Role	Funder	e-mail
Altès Batalla, Vanessa	Director's Personal Assistant	IPHES	valtes@iphes.cat
Heredía Wootton, Cristina	Trainee Student	IPHES	curricular.management@iphes.cat
Gimenez Amacoria, Candela	Trainee Student	IPHES	curricular.management@iphes.cat
Martínez Ibáñez, Ariadna	Management Technician	IPHES - PEJ (MINECO)	amartinezibanez@iphes.cat
Moreno Moliner, Òscar	IT Manager	IPHES	omoreno@iphes.cat
Pérez Llorca, Laura	HR Manager	IPHES	lperez@iphes.cat
Targa Montserrat, Maria	Managing Director	IPHES	mtarga@iphes.cat
Torreblanca Hernández, Fèlix	Purchases & Logistic Manager	IPHES	ftorreblanca@iphes.cat
Valenzuela Mena, Sandra	Financial Manager	IPHES	svalenzuela@iphes.cat

Scientific and Technical Services (Full-time Equivalent = 13 people)

Name	Unit	Funder	e-mail
Asryan, Lena	Microscopy	IPHES - PTA (MINECO)	lasryan@iphes.cat
Cazalla Manceras, Irene	Conservation and Restoration	IPHES - PEJ (MINECO)	icazalla@iphes.cat
Expósito Barea, Isabel	Archaeobotany & S&T Services Coordinator	IPHES	ieposito@iphes.cat
Fagoaga Moreno, Ana	Micropalaeontology	IPHES - PEJ (MINECO)	afagoaga@iphes.cat
Gómez Merino, Gala	Conservation and Restoration	IPHES	ggomez.merino@iphes.cat
Guillen Espínola, Maria Dolors	Scientific Photography	IPHES - PEJ (MINECO)	mguillen@iphes.cat
Hernandez Guilarte, Génesis Valeria	Archaeobiochemistry	IPHES - MdM (MICINN)	ghernandez@iphes.cat
Ibáñez López, Núria	Collections	IPHES	nibanez@iphes.cat
López-Polín Dolhaberrague, Lucía	Conservation and Restoration	IPHES	lucia.lopezpolin@iphes.cat
Marín Barba, Patricia	Research Impact Officer	IPHES - MdM (MICINN)	pmarin@iphes.cat
Moreno Ribas, Elena	Conservation and Restoration	IPHES - PTA (MINECO)	emoreno@iphes.cat
Soares Remiseiro, Miguel Angel	Geoarchaeology	IPHES - PTA (MINECO)	masoares@iphes.cat
Sopesens Aixalà, Javier	Archaeological Data Assistant & Arch-e BBDD developer	IPHES - MdM (MICINN)	jsopesens@iphes.cat
Tellez Peñaranda, Edgar	Collections	IPHES - PEJ (MINECO)	etellez@iphes.cat

Projects and Transfer Unit (Full-time Equivalent = 3 people)

Name	Area	Funder	e-mail
Fontanals Torroja, Marta	Knowledge Transfer	URV - Affiliated	mfontanals@iphes.cat
Guardiola Figols, Miquel	Outreach	IPHES	mguardiola@iphes.cat
Sentís Tamburini, Bernat	Project Management	IPHES	bsentis@iphes.cat

Researchers (Full-time Equivalent = 39 people)

Name	Unit	Funder	e-mail
Agustí Ballester, Jordi	Paleontology	ICREA - Affiliated	jordi.agusti@icrea.es
Allué Martí, Ethel Ann	Archaeobotany	IPHES	eallue@iphes.cat
Arlegi Virto, Mikel	Paleoanthropology	IPHES - JdC (MICINN)	marlegui@iphes.cat
Arroyo Ureña, Adrián	Lithic Technology	IPHES - JdC (MINECO)	aarroyo@iphes.cat
Bañuls Cardona, Sandra	Paleontology	IPHES - JdC (MICIU)	sbanuls@iphes.cat
Bargalló Ferrerons, Amèlia	Lithic Technology	IPHES - JdC (MICINN)	abargallo@iphes.cat
Barsky, Deborah Roxanne	Lithic Technology	IPHES	dbarsky@iphes.cat
Berihuete Azorín, Marian	Archaeobotany	IPHES - BdP (AGAUR) // MSCA (EU)	mberihuete@iphes.cat
Blain, Hugues Alexandre	Paleontology	IPHES	hablain@iphes.cat
Blasco López, Ruth María	Zooarchaeology	IPHES - RyC (MICINN)	rblasco@iphes.cat
Burjachs Casas, Francesc	Archaeobotany	ICREA - Affiliated	francesc.burjachs@icrea.cat
Cáceres Cuello de Oro, Isabel	Zooarchaeology	URV - Affiliated	icaceres@iphes.cat
Campeny Vall-Llosera, Gerard	Outreach & Communication Coordinator	IPHES	gcampeny@iphes.cat
Canals Salomó, Antoni	Geoarchaeology	URV - Affiliated	acanals@iphes.cat
Carbonell Roura, Eudald	Lithic Technology	URV - Affiliated	ecarbonell@iphes.cat
Chacón Navarro, María Gema	Lithic Technology	IPHES	gchacon@iphes.cat
Gamarra Rubio, Beatriz	Paleoanthropology	IPHES - BdP (AGAUR)	bgamarra@iphes.cat
García Medrano, Paula	Lithic Technology	IPHES - BdP (AGAUR)	pgarcia@iphes.cat
Gómez De Soler, Bruno	Geoarchaeology	IPHES	bgomez@iphes.cat
Hortolà Gómez, Policarp	Paleontology	URV - Affiliated	policarp.hortola@urv.cat
Huguet Pàmies, Rosa	Zooarchaeology	IPHES	rhuguet@iphes.cat
López García, Juan Manuel	Paleontology	IPHES - RyC (MINECO)	jlopez@iphes.cat
Lorenzo Merino, Carles	Paleoanthropology & Education Coordinator	URV - Affiliated	clorenzo@iphes.cat
Lozano Ruiz, Marina	Paleoanthropology	IPHES	mlozano@iphes.cat
Martínez Navarro, Bienvenido	Paleontology	ICREA - Affiliated	bienvenido.martinez@icrea.cat
Martín-Francés Martín de la Fuente, Laura	Paleoanthropology	IPHES - MdM (MICINN)	lmartinfrances@iphes.cat
Mosquera Martínez, Marina	Lithic Technology	URV - Affiliated	marina.mosquera@urv.cat
Ollé Cañellas, Andreu	Lithic Technology	IPHES	aolle@iphes.cat
Pastó Marín, Ignasi	Research Coordinator	IPHES	ipasto@iphes.cat
Piñero García, Pedro	Paleontology	IPHES - MdM (MICINN)	ppinero@iphes.cat
Revelles López, Jordi	Archaeobotany	IPHES - JdC (MINECO)	jrevelles@iphes.cat
Rivals, Florent	Paleontology	ICREA - Affiliated	florent.rivals@icrea.cat
Rodríguez Álvarez, Xosé Pedro	Lithic Technology & Head of Research	URV - Affiliated	xprodriguez@iphes.cat
Rodríguez Hidalgo, Antonio José	Zooarchaeology	IPHES - MdM (MICINN)	arodriguez@iphes.cat
Rosell Ardèvol, Jordi	Zooarchaeology	URV - Affiliated	jordi.rosell@urv.cat
Sala Ramos, Robert	Lithic Technology & Director	URV - Affiliated	robert.sala@urv.cat
Saladié Ballesté, Palmira	Zooarchaeology	IPHES	psaladie@iphes.cat
Tornero Dacasa, Carlos Alberto	Paleontology	IPHES - MdM (MICINN)	ctornero@iphes.cat
Uzunidis Boutillier, Antigone	Paleontology	IPHES - MSCA (EU)	auzunidis@iphes.cat
Vallverdú Poch, Josep	Geoarchaeology	IPHES	jvallverdu@iphes.cat
Vaquero Rodríguez, Manuel	Lithic Technology	URV - Affiliated	manuel.vaquero@urv.cat
Vergès Bosch, Josep Maria	Lithic Technology	IPHES	jmverges@iphes.cat

* BdP: Beatriu de Pinós; JdC: Juan de la Cierva; MdM: Maria de Maeztu; MSCA: Marie Skłodowska-Curie Actions; RyC: Ramón y Cajal; AGAUR: Agència de Gestió d'Ajuts Universitaris i de Recerca; MECD: Ministerio de Educación, Cultura y Deportes; MINECO: Ministerio de Economía y Competitividad; MICIU: Ministerio de Ciencia, Innovación y Universidades; MICINN: Ministerio de Ciencia e Innovación

Temporary Staff Funded by Project (Full-time Equivalent = 4 people)

Name	Name	Name	Name
Del Valle Blanco, Héctor	Fernández Ruiz, José Norman	Lombao Vázquez, Diego	Rabuñal Gayo, José Ramón
Cómez Morgado, Laura	Fernández Marchena, Juan Luis	Marsal Aguilera, Roser	Rey Rodríguez, Iván
Jiskoot Busquets, Júlia Burguet-Coca, Aitor	Grandi, Federica Iannicelli, Claudia	Martín Rodríguez, Patricia Martínez Hernández, María	Yesilova, Gorkem Cenk

Research Associates

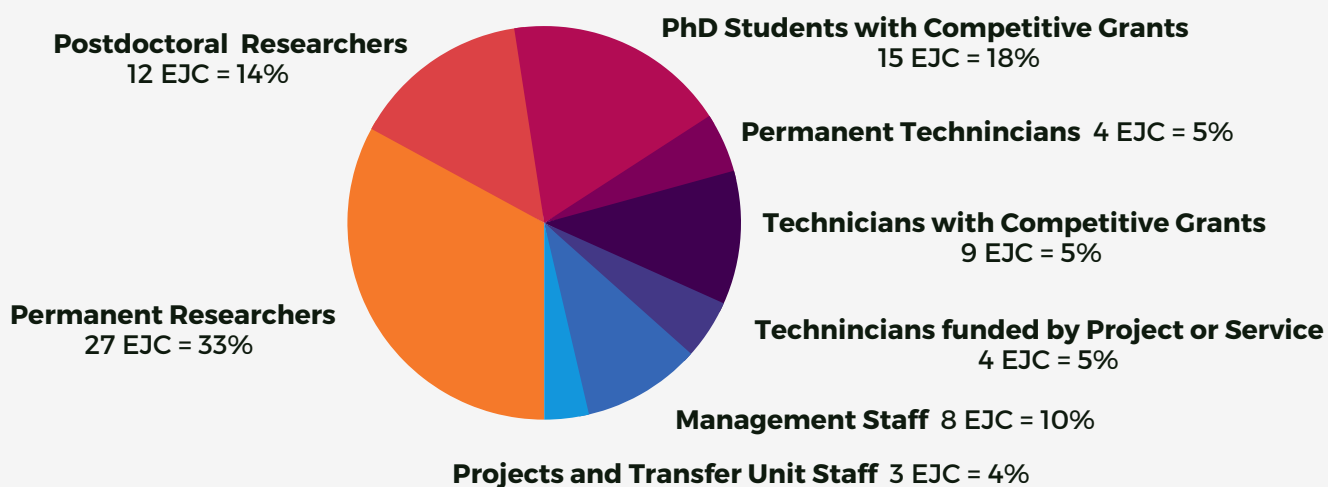
Name	Name	Name	Name
Arteaga, Andión	Hernando, Raquel	Mercader, Julio	Sánchez Hernández, Carlos
Bisbal, Josep Francesc	Kerfant, Céline	Modolo, Marta	Santander, Boris
Burguet-Coca, Aitor	Marín, Juan	Pérez, Leopoldo Jesús	Tumung, Laxmi
Del Bove, Antonietta	Martínez, María Fernanda	Pineda Alcalá, Antonio	Viñas Vallverdú, Ramon
González-Guarda, Erwin	Medin, Tsegai	Rangel de Lázaro, Gizéh	

PhD Students (Full-time Equivalent = 15 people)

Name	Unit	Funder	e-mail
Akuku, Pamela	Zooarchaeology	University of Calgary Grant	pakuku@iphes.cat
Alonso Fernández, Elvira Susana	Lithic Technology	IPHES - FPI (MINECO)	salonso@iphes.cat
Bianco, Sabrina	Archaeobotany	IPHES - INPHINIT (La Caixa Foundation)	sbianco@iphes.cat
Cano i Cano, Nit	Archaeobotany	IPHES - FI (AGAUR)	ncano@iphes.cat
Díaz Cortés, Andrea	Conservation	IPHES - FPU (MECD)	adiaz@iphes.cat
Díez-Canseco Esteban, Celia	Paleontology	Fundación Atapuerca	cdiezcanseco@iphes.cat
Lombao Vazquez, Diego	Lithic Technology	IPHES - FI (AGAUR)	dlombao@iphes.cat
Marginedas Miró, Francesc	Zooarchaeology	IPHES - FPI (MICINN)	fmarginedas@iphes.cat
Martínez Monzón, Almudena	Paleontology	IPHES - FI (AGAUR)	amartinez@iphes.cat
Martín-Viveros Díaz-Meco, Juan Ignacio	Lithic Technology	IPHES - FI (AGAUR)	jimartinviveros@iphes.cat
Mateo Lomba, Paula	Zooarchaeology	IPHES - FPI (MICINN)	pmateo@iphes.cat
Messana, Chiara	Lithic Technology	IPHES - FI (AGAUR)	cmessana@iphes.cat
Micó Sanchis, Cristian	Paleontology	IPHES - FPI (MICINN)	cmico@iphes.cat
Moreno Ibáñez, Miguel Ángel	Zooarchaeology	IPHES - FPU (MICIU)	mamoreno@iphes.cat
Ramírez Pedraza, Iván	Paleontology	IPHES - FI (AGAUR)	ipedraza@iphes.cat
Saidani, Nadia	Paleontology	The Leakey Foundation	nsaidani@iphes.cat
Sánchez Bandera, Cristian	Paleontology	IPHES - FPI (MICINN)	csanchezbandera@iphes.cat
Suesta Guillén, Alfredo	Paleoanthropology	IPHES - FPU (MECD)	asuesta@iphes.cat
Valtierra Pereiro, Noé	Conservation	IPHES - FI (AGAUR)	nvaltierra@iphes.cat

Staff Statistics

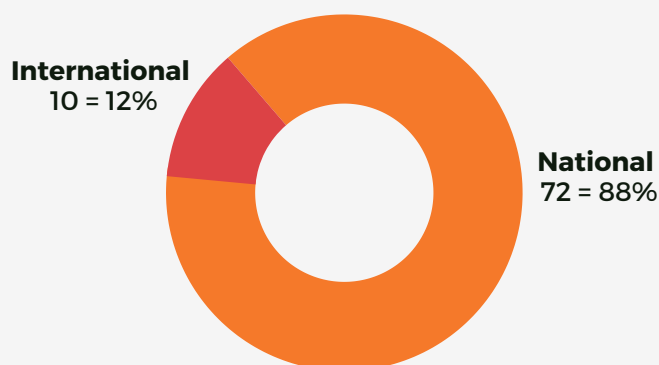
Staff Distribution by Category



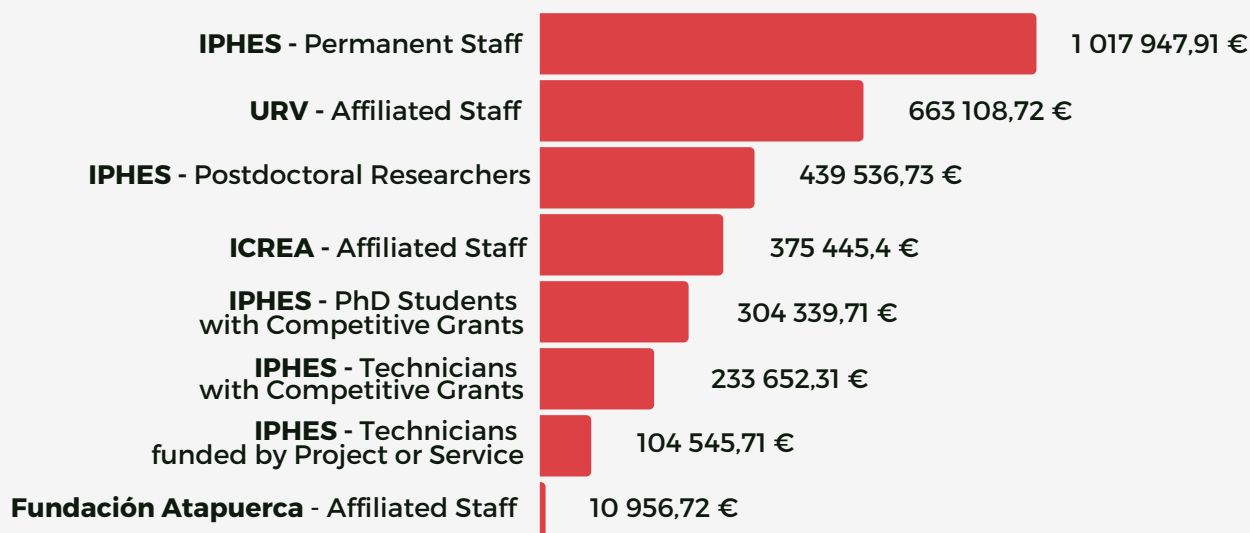
Staff Distribution by Gender



Staff Distribution by Geography



Staff Distribution by Funding Body (Total Funding = 3.149.533 €)



* Staff in these graphs considers temporary and permanent positions (82= FTE)

Scientific Advisory Board

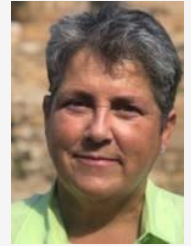
Dr. David Lordkipanidze (President)
Director of the Georgian State Museum, Georgia

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
Researcher at Institute of History, Departament of Archaeology and Social Processes (CSIC), Spain

Dr. Antonio Rosas
Lecturer and Director of the Paleoanthropological Group, National Museum of Natural Sciences of Madrid (MNCM-CSIC), Spain



Board of Trustees

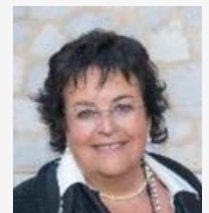
Ms. Gemma Geis i Carreras
Minister of the Department of Research and Universities, Government of Catalonia

Dr. María José Figueras Salvat
Vice-chancellor of Universitat Rovira i Virgili (URV)

Mr. Pau Ricomà Vallhonrat
Mayor of Tarragona

Mr. Joan Gómez Pallarès
General Director of Research, Department of Research and Universities, Government of Catalonia

Mr. Lluís Rovira i Pato
Director of CERCA





Atapuerca (Gran Dolina) fieldwork (2021)
Authorship: Maria Guillén

Research

Research in Figures

Most published journals



74 publications in IF-journals

41 excavated sites

3 Research Groups

91 indexed papers

35% of papers led by IPHES-CERCA researchers

of which, 47% are led by women researchers

of which, 50%* are in Open Access

56 other publications (incl. books)

5 generated Datasets in Open Access

92 communications at Conferences

4 scientific events organised at IPHES-CERCA

105 papers reviewed in IF journals

28 postdoctoral-level stays at other centers

17 research projects and actions

Top Altmetrics (2021 publications)

1. Conde-Valverde, M. et al., Neanderthals and Homo sapiens had similar auditory and speech capacities
2. Vernot, B. et al., Unearthing Neanderthal population history using nuclear and mitochondrial DNA from cave
3. Thomson, J.C. et al., Early human impacts and ecosystem reorganization in southern-central Africa
4. Mercader, J. et al. Earliest Olduvai hominins exploited unstable environments ca. 2 million years ago
5. Bartolini-Lucenti, S. et al., The early hunting dog from Dmanisi with comments on the social behaviour in Canidae and hominins
6. **Lozano, M.** et al., Argaric craftswomen: Sex-based division of labor in the Bronze Age southeastern Iberia

1806

851

573

422

329

151

*Open Access papers in IF journals = 37%
 Open Access papers in no-IF journals = 87%

Research Groups

Human Palaeology in the Plio-Pleistocene (PalHum)

Principal investigator: Dr. Hugues-Alexandre Blain

Reference: SGR 2017 859

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

PhD students: Almudena Martínez Monzón and Christian Sánchez Bandera

Support-to-research staff: Bernat Sentís, Marta Fontanals, Elena Moreno Ribas and Miguel Soares Remiseiro

Collaborators: Dr. Iván Lozano-Fernández, Dr. María Luisa Soto Quesada, Dr. Sandra Bañuls Cardona, Dr. Mónica Fernández García, Dr. Josep Francesc Bisbal-Chinesta, Dr. Mihailo Jovanović, Dr. Mohamed Azaza, Dr. Moncef-Said Mtimet, Francisco Javier García Vadiello, Ángel Blanco Lapaz, Francisco Javier Luengo Gutiérrez, Adrià Escuté, Estefania Tilton and Akinbowa Akintayo

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 (2017-2021) 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 leaded) from Eastern Africa to Western Eurasia and the Mediterranean Basin:

Pliocene: Camp dels Ninots (Spain), Baza (Spain)

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)

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) are 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

Reference: 2017 SGR 836

Researchers: Dr. Marian Berihuete, Dr. Sandra Bañuls, Dr. Ruth Blasco, Dr. Francesc Burjachs, Dr. M. Gema Chacón, Dr. Juan Manuel López-García, Dr. Ignasi Pastó, Dr. Jordi Revelles, Dr. Florent Rivals, Dr. Jordi Rosell, Dr. Carlos Tornero and Dr. Manuel Vaquero

PhD students: Susana Alonso, Celia Díaz-Canseco, Nit Cano, Sabrina Bianco, Juan Ignacio Martín-Viveros and Iván Ramírez

Support-to-research staff: Irene Cazalla, Isabel Expósito, Núria Ibáñez and Gala Gómez-Merino

Collaborators: Aitor Burguet-Coca, Leopoldo Pérez, Céline Kerfant, M. Fernanda Martínez-Polanco, Carlos Sánchez, Ramon Viñas and Maite Arilla

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, such as lithic technology, zooarchaeology, taphonomy, palaeontology, archaeobotany, spatial analysis, symbolic expression and computational modelling.

The group is composed by 12 researchers, 4 technicians and 6 doctoral students. The core of the research group is formed by four researchers with tenured research positions (Ethel Allué [group coordinator]; M. Gema Chacón; Jordi Rosell and Manuel Vaquero), two ICREA research Professors (Francesc Burjachs and Florent Rivals), and two tenure-track researchers: Juan Manuel López-García and Ruth Blasco.

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. Sandra Bañuls, PhD (Juan de la Cierva Formación) develops research based on paleoenvironmental setting during the Holocene based on microvertebrates. Research on palaeoclimate based on palynology including microcharcoal, pollen and NPP is being developed by Jordi Revelles, PhD (postdoctoral researcher Juan de la Cierva Formación), and research on undergrowth storageorgans related to hunter gatherer food practices is carried out by Marian Berihuete, PhD (postdoctoral researcher Beatriu de Pinós Fellow). Finally, Carlos Tornero, PhD (Maria de Maeztu postdoctoral Fellow) has integrated biogeochemical analyses to improve our understanding of domestication process regarding livestock economy and husbandry.

Additionally, the team includes (i) 7 pre-doctoral students (Susana Alonso, Sabrina Bianco, Nit Cano, Juan Ignacio Martín Viveros, Celia Díaz-Canseco, Iván Ramírez) from different grant schemes (primarily MEC - FPU, FI AGAUR, Fundación Atapuerca, Fundació La Caixa), and (ii) 3 technicians providing support for archeobotany (Isabel Expósito), archeological collections (Núria Ibáñez), and conservation (Gala Gómez Merino). Also, at the end of 2019, 1 technician 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 5 main strategic objectives (below) encompassing the specific challenges are inter-linked with other ongoing projects led or participated by the members' Group.

- Technology and material culture
- Subsistence strategies
- Spatial analysis
- Paleoenvironment
- 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:

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 Cativera, Balma de la Vall, Cova de les Borres, Cova Foradada, Cova dels Xaragalls

Mesolithic: Abric Agut

Neolithic: El Mirador, Cova de la Font Major, El Cavet, Cova Colomera, 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 Neshar 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

Reference: 2017 SGR 1040

Researchers: Dr. Mikel Arlegi, Dr. Adrián Arroyo, Dr. Amèlia Bargalló, Dr. Ana María Bucchi, Dr. Isabel Cáceres, Dr. Eudald Carbonell, Dr. Beatriz Gamarra, Dr. Paula García-Medrano, Dr. Rosa Huguet, Dr. Miquel Llorente, Dr. Esther López, Dr. Carlos Lorenzo, Dr. Marina Lozano, Dr. Jordi Marcé, Dr. Laura Martín-Francés, Dr. Marina Mosquera, Dr. Antonio Pineda, Dr. Gizéh Rangel-de Lázaro, Dr. David Riba, Dr. Xosé Pedro Rodríguez, Dr. Antonio Rodríguez-Hidalgo, Dr. Palmira Saladié, Dr. Laxmi Tumung, Dr. Josep Maria Vergès and Dr. John Willman

PhD students: Andiòn Arteaga, Antonietta Del Bove, Andrea Díaz, Raquel Hernando, Diego Lombao, Francesc Marginedas, Paula Mateo, Chiara Messana, Miguel Ángel Moreno, Alfredo Suesta and Noé Valtierra

Support-to-research staff: Dr. Lena Asryan, Dr. Lucía López-Polín, Dr. Patricia Marín, Miquel Guardiola, Maria Dolors Guillén and Edgar Téllez

Collaborators: Dr. Arturo de Lombera, Dr. Juan Marín, Dr. Patricia Martín, Dr. Antonella Pedernana, Dr. Boris Santander, Dr. Marcos Terradillos, Pamela Akuku, Arturo Cueva, Héctor del Valle, Juan Luis Fernández, Juan Ignacio Martín Viveros, Raquel M. Pérez and Görkem Cenk Yesilova

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 archaeo-palaeontological 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 2021, the group has been composed of 43 members: 13 IPHES-URV staff, 2 researchers from other institutions (Univ. Girona), 6 postdoctoral researchers (3 M. Maeztu, 2 JdIC and 1 BP-MSc), 11 predoctoral students from national and international grant schemes (3 FPU-MICIUN, 3 FI-AGAUR, 2 FPI-MICIUN, 2 PMF-URV, 1 Gov. Navarra), 4 temporary technicians (1 PTA-PhD-, 2 PEJ and 1 M. Maeztu) and 7 associate researchers currently ascribed to other institutions (UCM, NHM and Univ. Coimbra) or with expired grants that remain close collaborators. Furthermore, there are 13 regular collaborators (7 of them PhD). In 2021 two PhD theses have been defended inside the group (Dr Juan Luis Fernández and Dr. Diego Lombao).

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. Those projects include:

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 Valland Mas d’en Llord (Tarragona).
- The Middle Pleistocene cave of Polvorín (Bizcaya).
- The Upper Pleistocene site of Abric Romaní (Barcelona).
- The Upper Pleistocene site of Cova Gran de Collbató (Barcelona).
- The Upper Pleistocene site of Cova de Simanya (Barcelona).
- The Upper Pleistocene site of Cova del Parco (Lleida).
- The Upper Pleistocene sites of Abrigo de Navalmaillo 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 site of Cueva del Castillo (Santander).
- The Upper Pleistocene site of La Malia (Gruadalajara).
- 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 Plio-Pleistocene and Lower Pleistocene sites of Gona (Ethiopia).
- The Early Pleistocene Engel-Ela and Ramud basin sites (Eritrea).
- The Early to Upper Pleistocene sites at Olduvai Gorge (Tanzania).
- The Early and Middle Pleistocene sites of Ain Boucherit, Ain Hanech, El-Kherba and Ternifine (Algeria).
- The Middle Pleistocene site of Notarchirico (Italy).
- The Middle and Upper Pleistocene site of Azokh (Nagorno-Karabakh).
- The Upper Pleistocene sites of the survey at the Kura-Arax depression / Vorotan River Valley (South Caucasus).
- The Late Pleistocene - Holocene sites in the Madonie Park (Sicily, Italia).
- The Holocene site of San Miguel de Reinaco (Chile).

Projects & Fellowships

Research Projects Hosted by IPHES-CERCA

Regionally-funded 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

Nationally-funded projects

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

Principal Investigators: Eudald Carbonell, Marina Mosquera

Call: Proyectos I+D de Generación de Conocimiento

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

Period: 01/01/2019 - 30/06/2022

Reference Code: PGC2018-093925-B-C32

Neanderthal behaviour and paleoecology in Mediterranean ecosystems

Principal Investigators: Florent Rivals, Manuel Vaquero

Call: Proyectos I+D de Generación de Conocimiento

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/06/2020 - 31/05/2023

Reference Code: PID2019-103987GB-C31

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, Gobierno de España

Period: 01/01/21 - 20/06/22

Reference Code: T002020N0000045499

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, Gobierno de España

Period: 11/12/19 - 28/02/22

Reference Code: 170 / T002019N0000038589

Internationally-funded projects

Lower Paleolithic Spheroids Project (LPSP)

Principal Investigator: Deborah Barsky

Host Institution: IPHES and The Hebrew University of Jerusalem (Israel) - Computational Archaeology Laboratory

Funder: Gerda Henkel Foundation

Period: 01/01/2020 - 31/12/2022

Other Projects Hosted by IPHES-CERCA

Research actions & studies

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

Principal Investigators: María Gema Chacón, Robert Sala

Call: Proyectos de excavación fuera de Europa 2019

Funder: Fundación Palarq

Period: 02/01/2020 - 31/12/2021

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

Principal Investigator: Bienvenido Martínez-Navarro

Call: Proyectos de excavación fuera de Europa 2020

Funder: Fundación Palarq

Period: 03/03/21 - 31/12/22

Primeros pasos humanos en América del Sur: caminando entre Gonfoterios

Principal Investigator: Carlos Tornero

Call: Proyectos de excavación fuera de Europa 2020

Funder: Fundación Palarq

Period: 03/03/21 - 31/12/22

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, 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

Period: 30/05/2019 - 30/05/2021

Reference Code: ARQ 115/2018

Isotopic study of the funeraltomb 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 d'Estudis Menorquí

Funder: Institut d'Estudis Menorquins

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

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, 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 - 31/07/2021

Study of population dynamics of past human population from Middle Neolithic to Bronze Age period in the northeast (NE) of Iberian Peninsula (IP) by means of dental morphological analyses

Principal Investigators: Beatriz Gamarra

Call: Cobb Professional Development Grants

Funder: American Association of Physical Anthropologists

Period: 11/02/21 - 10/02/23

Knowledge transfer projects & actions

Operació Mamut - PECT TurisTIC en família

Principal Investigators: Josep Vallverdú, Palmira Saladié

Call: Convocatòria per a la selecció de projectes d'especialització i competitivitat territorial (PECT) emmarcats en la RIS3CAT

Funder: Programa operatiu FEDER de Catalunya 2014-2020, Departament de Governació i Administracions Públiques i Habitatge / Diputació de Tarragona / Ajuntament de la Canonja

Period: 01/07/2018 - 31/12/2022

Reference Code: GO03-003414

Research Fellowships

Postdocs

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 - 15/06/2021

Reference: 2017 BP 00210

CHUFA: CHaracterizing Underground storage organs For Archaeological research. A necessary methodological improvement for the study of gathering practices in Prehistory

Beneficiary: Marian Berihuete

Supervisor: Ethel Allué

Funder: Beatriu de Pinós - MSCA Fellowship

Period: 01/02/2020-31/08/2021

Reference: 2018 BP 00272

Human dispersals into Western Europe: the Acheulean technology through another lens

Beneficiary: Paola García Medrano

Supervisor: Andreu Ollé

Funder: Beatriu de Pinós - MSCA Fellowship

Period: 01/03/2021 - 28/02/2024

Reference: 2019 BP 00094

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, Gobierno de España

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

Reference: RYC-2016-19386

Human subsistence strategies during the Middle and early Late Pleistocene using the taphonomic discipline

Beneficiary: Ruth Blasco

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/02/21 - 31/01/26

Reference: RYC2019-026386-I

Juan de la Cierva Formación (JCF)

Paleoenvironmental and paleoclimate reconstruction of the latest hunter-gatherer paleolithic societies in the NE Iberian Peninsula, from the application of dental mesowear and microwear analysis on small mammals

Beneficiary: Sandra Bañuls-Cardona

Supervisor: Florent Rivals

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/02/20 - 31/01/22

Reference: FJC2018-038259-I

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, Gobierno de España

Period: 01/01/2019 - 31/05/2021

Reference: FJCI-2017-32954

Evolution of the human hands by analyzing magnitudes and patterns of integration.

Beneficiary: Mikel Arlegui

Supervisor: Carlos Lorenzo

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/03/21 - 28/02/23

Reference: FJC2019-040659-I

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, Gobierno de España

Period: 01/01/2019 - 31/05/2021

Reference: IJCI-2017-33342

Research to understand and identifying the emergence of technology and its socialization in different stages of human evolution.

Beneficiary: Amèlia Bargalló

Supervisor: Marina Mosquera

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/05/2021 - 30/04/2024

Reference: IJC2019-041546-I

Marie Skłodowska-Curie Actions individual fellowships (MSCA-IF)

CHUFA: CHaracterizing Underground storage organs For Archaeological research. A necessary methodological improvement for the study of gathering practices in Prehistory

Beneficiary: Marian Berihuete

Supervisor: Ethel Allué

Funder: European Commission – MSCA-IF programme

Period: 01/10/2021 - 30/09/2023

Reference: H2020-MSCA-IF-2019 Number 893735

Toothclues: Ungulate tooth wear analysis as a proxy for Neanderthal habitats changes during MIS 4 and 3

Beneficiary: Antigone Uzunidis

Supervisor: Florent Rivals

Funder: European Commission – MSCA-IF programme

Period: 01/07/2021 - 30/06/2023

Reference: H2020-MSCA-IF-2020 Number 101024230

Marie Skłodowska-Curie Actions co-funding (MSCA-COFUND)

R2STAIR: R2 boosting your postdoctoral career in Prehistory at IPHES

Beneficiary: 8 postdoctoral researchers in 2 calls

Manager: Bernat Sentís

Funder: European Commission – MSCA-IF programme

Period: 01/05/2021 - 30/04/2026

Reference: H2020-MSCA-COFUND-2020 Number 101034349

Predocs

Formación de Personal Investigador (FPI)

Huesos tallados del Paleolítico inferior y medio en Europa: estudio interdisciplinar de la cadena operativa en Gran Dolina, Galería y Abric Romaní

Beneficiary: Paula Mateo

Supervisors: Isabel Cáceres, Andreu Ollé

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/09/2020 - 31/08/2024

Reference: PRE2019-087734

Caracterización de la variabilidad del comportamiento de los grupos neandertales durante el Paleolítico medio

Beneficiary: Susana Alonso

Supervisor: Manuel Vaquero

Funder: Ministerio de Economía y Competitividad, Gobierno de España

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

Reference: BES-2017-081062

Modelización paleoclimática de las primeras dispersiones humanas en el continente europeo durante el Pleistoceno inferior a partir de las asociaciones de anfibios y reptiles

Beneficiary: Cristian Sánchez

Supervisor: Juan Manuel López

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Period: 01/08/2021 - 31/07/2025

Reference: PRE2020-094482

El uso de los dientes como proxy de alta resolución en el estudio del microdesgaste dental y la tafonomía

Beneficiary: Cristian Micó

Supervisor: Florent Rivals

Funder: Ministerio de Ciencia e Innovación (MICINN), Gobierno de España

Period: 01/08/2021 - 31/07/2025

Reference: PRE2020-092116

Procesamiento de cuerpos humanos en contextos arqueológicos de canibalismo

Beneficiary: Francesc Marginedas

Supervisor: Palmira Saladié

Funder: Ministerio de Ciencia e Innovación (MICINN), Gobierno de España

Period: 01/08/2021 - 31/07/2025

Reference: PRE2020-091974

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, Gobierno de España

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, Gobierno de España

Period: 28/09/2018 - 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, Gobierno de España

Period: 28/09/2018 - 27/09/2022

Reference: FPU17/02716

Formació de personal Investigador novell (FI-DGR)

Régimen de movilidad estacional de las primeras comunidades ganaderas del Neolítico a través de análisis arqueozoológicos y bioquímicos (isótopos estables)

Beneficiary: Chiara Messana

Supervisor: Josep Maria Vergès

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

Period: 01/08/2020 - 31/07/2023

Reference: 2021FI_B1 00222

Context del poblament dels primers homínids al Magreb: reconstrucció paleoecològica i paleoclimàtica a partir de proxies d'alta resolució (anàlisis biogeoquímics i desgast dental)

Beneficiary: Iván Ramírez

Supervisors: Florent Rivals, Carlos Tornero

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

Period: 01/04/2020 - 31/03/2023

Reference: 2021FI_B100223

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: 2021FI_B2 00207

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

Supervisors: Andreu Ollé, Gema Chacón, Gonen Sharon

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

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

Reference: 2021 FI_B2 00208

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: 01/03/2018-07/06/2021

Reference: 2020 FI_B2 00164

Más allá de la limpieza del material óseo arqueológico-paleontológico: Posibles repercusiones e interferencias en estudios posteriores

Beneficiary: Noé Valtierra

Supervisor: Lucía López-Polín

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

Period: 01/06/2021 - 31/05/2024

Reference: 2021FI_B 00406

Multi-scalar archaeobotanical analysis for the study of subsistence strategies among past herders and farmers

Beneficiary: Nit Cano

Supervisor: Ethel Allué

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

Period: 01/05/2021 - 30/04/2022

Reference: 2021FI_B 00661

Other fellowships

Fuel economy and environment in Barcelona during historical times: an archaeological approach based on wood charcoal proxies

Beneficiary: Sabrina Bianco

Supervisors: Ethel Allué, Santiago Riera-Mora, Llorenç Picornell-Gelabert

Funder: Fundación Bancaria "La Caixa", Doctorate INPhINIT retaining

Period: 01/11/2020 – 31/10/2023

Reference: LCF/BQ/DR20/11790001

A Taphonomic and Taxonomic Analysis of the Pleistocene Fauna from Olduvai Beds I-IV

Beneficiary: Pamela Akuku

Supervisors: Palmira Saladié, Julio Mercader

Funder: Social Sciences and Humanities Council of Canada (SSHR) - Olduvai

Gorge Stone Tools Diet and Sociality (OGSDS) project at the University of Calgary & The Leakey Foundation

Period: 01/10/2020 – 30/09/2023

The microvertebrates assemblages from the hominin site of Tighennif (Northwestern Algeria) Taxonomy, Taphonomy and Palaeoenvironmental reconstructions

Beneficiary: Nadia Saidani

Supervisors: Jordi Agustí, Mohamed Sahnouni

Funder: The Leakey Foundation

Period: 01/01/2019 - 31/12/2021

Research fellowships granted in 2021

Apart from the above mentioned fellowships, in 2021 other postdoctoral researchers applied for competitive research grants at IPHES-CERCA, whose incorporation in the centre will be effective in 2022:

- Dr. **Constantino Buzi**. MSCA-IF-2020 (Ref. 101025525). Supervisor: Dr. Carlos Lorenzo.
- Dr. **Antonio Profico**. Beatriu de Pinós (Ref. 2020 BP 00164). Supervisor: Dr. Carlos Lorenzo.
- Dr. **Joana Gabucio**. Juan de la Cierva – Incorporación (Ref. IJC2020-044412-I). Supervisor: Dr. Palmira Saladié.
- Dr. **Jordi Revelles**. Juan de la Cierva – Incorporación (Ref. IJC2020-045876-I). Supervisor: Dr. Francesc Burjachs.
- Dr. **Pedro Piñero**. Juan de la Cierva – Incorporación (Ref. IJC2020-044108-I). Supervisor: Dr. Jordi Agustí.
- Dr. **Carmen Núñez**. Juan de la Cierva – Formación (Ref. FJC2020-044561-I). Supervisor: Dr. Juan Manuel López.

Participation in Research Projects from Other Centres

Regionally-funded projects

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

Principal Investigator: J. Daura, M. Sanz

Host institution: Universitat de Barcelona

Funder: Departament de Cultura, Generalitat de Catalunya.

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

Duration of the project: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00022

Els canvis climàtics durant el plistocè superior a la costa central catalana i l'impacte en les poblacions neandertals i humans anatòmicament moderns

Principal Investigator: J.M. Fullola

Host institution: Universitat de Barcelona

Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca

Duration of the project: 2018-2021

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

Principal Investigator: A. Palomo

Host Institution: Universitat Autònoma de Barcelona

Funder: Departament de Cultura, Generalitat de Catalunya

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

Duration of the project: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00050

La transició entre les últimes societats caçadores-recol·lectores i primeres societats pageses a la Capçalera del riu Montsant

Principal Investigator: R. Piqué

Host Institution: Universitat Autònoma de Barcelona

Funder: Departament de Cultura, Generalitat de Catalunya

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

Duration of the project: 01/01/2018 - 31/12/2021.

Reference: CLT009/18/00026

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

Principal Investigator: J. Mangado, F.X. Oms

Host institution: Universitat de Barcelona

Funder: Departament de Cultura, Generalitat de Catalunya

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

Duration of the project: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00030

Transicions culturals durant el Plistocès superior i l'Holocè al litoral prelitoral central de Catalunya

Principal Investigator: J.M. Fullola, J.I. Morales

Host institution: Universitat de Barcelona

Funder Generalitat de Catalunya, Departament de Cultura

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

Duration of the project: 01/01/2018 - 31/12/2021

Reference: CLT009/18/00024

Nationally-funded projects

Archaeological Wooden Pile-Dwelling in Mediterranean European lakes: strategies for their exploitation, monitoring and conservation

Principal Investigator: R. Piqué

Host institution: Universitat Autònoma de Barcelona

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

Duration of the project: 01/12/2020 - 30/11/2023

Cambios ambientales, paisajes y adaptabilidad humana en el litoral mediterráneo: las elevaciones de Montjuic y Taber (llano de Barcelona) durante el Holoceno

Principal Investigator: S. Riera Mora

Host institution: Universitat de Barcelona

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

Duration of the project: 2021 - 2023

Caracterización tecnológica de los yacimientos del Paleolítico medio en la región central del mediterráneo ibérico

Principal Investigator: A. Eixea

Host institution: Departament de Prehistòria, Arqueologia i Història Antiga de la Universitat de València

Funder: Conselleria de Innovación, Universidades, Ciencia y Sociedad Digital, Generalitat Valenciana

Duration of the project: 01/01/2021 - 31/12/2022

DEATHREVOL: The roots and evolution of the culture-of-death. A taphonomic research of the European Paleolithic record

Principal Investigator: N. Sala

Host institution: CENIEH

Funder: ERC

Duration of the project: 2021 - 2024

Dinámicas poblacionales y tecnológicas durante el Pleistoceno final-Holoceno de las sierras orientales del Noroeste Ibérico

Principal Investigator: R. Fábregas Valcarce

Host institution: Universidad de Santiago de Compostela

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

Call: Proyectos de I+D de generación de conocimiento

Duration of the project: 01/07/2020 -01/07/2023

Reference: PID2019-107480GB-I00

Estudio del Valle de los Neandertales. Hacia el establecimiento de un nuevo paradigma conductual en Homo neanderthalensis

Principal Investigator: M.J. Gil García

Host institution: Universidad de Alcalá

Funder: Comunidad de Madrid

Duration of the project: 2020 - 2022

Reference: H2019/HUM-5840

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: M. Sahnouni, S. Semaw

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

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

Call: Generación del Conocimiento

Duration of the project: 2019-2022

Reference: PGC2018-095489-B-I00

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

Principal Investigator: J.L. Arsuaga

Host institution: Centro Mixto UCM-ISCIII de Evolución y Comportamiento Humanos (Universidad Complutense de Madrid)

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

Duration of the project: 01/01/2019 -31/12/2021

Reference: PGC2018-093925-B-C33

HOMOSCAPE: Paleobotany and paleoart in the understanding of the vegetation landscapes and evolutionary scenarios in the genus Homo

Principal Investigator: J.S. Carrión

Host institution: Universidad de Murcia

Funder: Ministerio de Economía y Competitividad, Gobierno de España

Call: Plan Nacional de I+D+I

Duration of the project: 2020 - 2023

Reference: PID2019-104949GB-I00

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

Principal Investigator: E. Baquedano

Host institution: Museo Arqueológico Regional de la Comunidad de Madrid

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

Call: Generación del Conocimiento

Duration of the project: 2019 - 2022

Reference: PCG2018-094125-B-I00

Landscape modelization and resource management in the transition to farming in northeastern Iberia.

Principal Investigator: R. Piqué, J. Anton Barceló, A. Palomo, X. Terradas

Host institution: Universitat Autònoma de Barcelona, Museu d'Arqueologia de Catalunya, IMF- CSIC

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

Duration of the project: 01/01/2020 - 31/12/2022

Las ocupaciones humanas en la cueva de El Castillo (Puente Viesgo, Cantabria)

Principal Investigator: J.M. Maíllo

Host Institution: UNED

Funding Agency: Gobierno de Cantabria-Consejería de Universidades, Igualdad, Cultura y Deporte

Duration of the project: 2020 - 2021

Reference: T0305337A700

Nuevas Intervenciones en la Cueva del Castillo

Principal Investigator: M. Maillo, J. Marín

Host institution: UNED

Funder: Gobierno de Cantabria, Ayuntamiento de Puente Viesgo

Duration of the project: 2020 - n/a

Nuevos datos del Achelense en la Meseta Norte (Valparaiso, Hortigüela, Burgos)

Principal Investigator: E. Carbonell

Host institution: Fundación Atapuerca, Universidad de Burgos

Funder: Fundació Palarq

Origen, desarrollo y consolidación del neolítico en el ámbito Mediterráneo

Principal Investigator: J.F. Gibaja

Host Institution: Institución Milá y Fontanals de investigación en Humanidades

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

Call: Acciones de dinamización "Redes de Investigación"

Duration of the project: 2020-2021

Reference: RED2018-102382-T

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

Principal Investigator: M. García Diez

Host institution: Fundación Atapuerca

Funder: Fundación Palarq

Duration of the project: 2019 - 2022

Paleoambiente, modelización del paisaje y análisis del uso de plantas en la transición a la agricultura en el Noreste de La Península Ibérica

Principal Investigator: R. Piqué

Host Institution: Universitat Autònoma de Barcelona

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

Duration of the project: 01/06/2020 - 31/05/2023

Reference: PID2019-109254GB-C21

Paleoecología y ocupaciones humanas del interior peninsular en los albores del Paleolítico superior

Principal Investigator: N. Sala, A. Pablos

Host institution: CENIEH

Funder: Junta de Castilla y La Mancha

Duration of the project: 2021

PIONEERS Modelling Early Hominins Resource Exploitation and Environmental Adaptation

Principal Investigator: M. Soto

Host institution: Universidad Autónoma de Madrid

Funder: Ministerio de Ciencia e Innovación, Gobierno de España

Call: Europa Investigación 2020

Duration of the project: 01/01/2021 - 31/12/2022

Poblamiento y formas de vida durante el pleistoceno final y holoceno en el prepirineo oriental)

Principal Investigator: R. Mora, P. González

Host institution: Universitat Autònoma de Barcelona

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

Call: Generación del Conocimiento

Duration of the project: 2020 - 2022

Reference: PID2019-104843GB-I00

Preparación e interpretación de materiales paleontológicos del Cretácico inferior del norte de la Serranía de Cuenca: Beteta y Las Majadas

Principal Investigator: F. Barroso Barcenilla

Host institution: Universidad de Alcalá

Call/Funder: Concesión de subvenciones para la realización de proyectos de investigación del patrimonio arqueológico y paleontológico de Castilla-la-Mancha para el año 2021

Duration of the project: 01/01/2021 – 31/01/2021

Reference: SBPLY/21/180801/000055

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: J.M. Jiménez Arenas

Host institution: Universidad de Granada

Funder: Junta de Andalucía

Duration of the project: 2017 - 2021

Reference: ProjectOrce

Red de investigación en Impacto Social de la ciencia. NET4IMPACT

Principal Investigator: M. Soler Gallart

Host institution: Universitat de Barcelona

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

Call: Acciones de Dinamización “Redes de investigación”

Duration of the project: 01/01/2019 - 31/12/2021

Reference: RED2018-102779-T

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

Principal investigators: L. Asryan, A. Ollé

Host Institution: Fundación Atapuerca

Funder: Fundación Palarq

Duration of the project: 2019 – 2021

The case of the Negev and Sinai deserts (10th-8th millennial BC) (NEONEG)

Principal Investigator: F. Borrell

Host institution: IMF-CSIC (Barcelona, Spain)

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

Duration of the project: 01/01/2019 - 31/12/2022

Tradición, evolución y coexistencia en los tecnocomplejos paleolíticos del Pleistoceno Medio de la Península Ibérica

Principal Investigator: M. Santonja

Host institution: CENIEH

Call/Funder: Programa de apoyo a proyectos de investigación, cofinanciadas por el FEDER de la Junta de Castilla y León

Duration of the project: 2021 - 2023

Reference: CEN154P20

Publication List

Indexed Publications (WoS) with Impact Factor (JCR)

- [1] **Agustí, J.**, Espresate, J., **Piñero, P.**, 2021. Dental Variation in the Endemic Dormouse *Hypnomys Bate* 1918 and its Implications for the Palaeogeographic Evolution of the Balearic Islands (Western Mediterranean) during the late Neogene-Quaternary. *Historical Biology* 33, 1-14. <https://doi.org/10.1080/08912963.2020.1852557>
- [2] Alba, D.M., **Rodríguez-Hidalgo, A.**, Aouraghe, H., van der Made, J., Oujaa, A., Haddoumi, H., **Saladié, P.**, Aissa, A.M., **Marín, J.**, Farkouch, M., **Lorenzo, C.**, Bengamra, S., Delson, E., **Chacón, M.G.**, **Sala-Ramos, R.**, 2021. New macaque fossil remains from Morocco, *Journal of Human Evolution* 153, 102951. <https://doi.org/10.1016/j.jhevol.2021.102951>
- [3] **Allué, E.**, Murphy, C., Kingwell-Banham, E., Bohingamuwa, W., Adikari, G., Perera, N., Boivin, N., Fuller, D.Q., 2021. A step forward in tropical anthracology: understanding woodland vegetation and wood uses in ancient Sri Lanka based on charcoal records from Mantai, Kirinda and Kantharodai, *Quaternary International* 593-594, 236-247. <https://doi.org/10.1016/j.quaint.2020.12.009>
- [4] **Barsky, D.**, **Carbonell, E.**, **Sala-Ramos, R.**, Bermúdez de Castro, J.M., **García-Vadillo, F.-J.**, 2021. Late Acheulian multiplicity in manufactured stone culture at the end of the Middle Pleistocene in Western Europe, *Quaternary International* 601, 66-81. <https://doi.org/10.1016/j.quaint.2021.04.017>
- [5] Bartolini-Lucenti, S., Madurell-Malapeira, J., **Martínez-Navarro, B.**, Palmqvist, P., Lordkipanidze, D., Rook, L., 2021. The early hunting dog from Dmanisi with comments on the social behaviour in Canidae and hominins, *Scientific Reports* 11, 13501. <https://doi.org/10.1038/s41598-021-92818-4>
- [6] Bermúdez de Castro, J.M., Xing, S., Liu, W., García-Campos, C., **Martín-Francés, L.**, Martínez de Pinillos, M., Modesto-Mata, M., Martínón-Torres, M., 2021. Comparative dental study between *Homo* antecessor and Chinese *Homo erectus*: Nonmetric features and geometric morphometrics, *Journal of Human Evolution* 161, 103087. <https://doi.org/10.1016/j.jhevol.2021.103087>
- [7] **Berihuete-Azorín, M.** (2021). Unveiling the relevance of carbohydrate-rich underground plant foods in the archaeological record. *Antiquity* 95 (381). <https://doi.org/10.15184/aqy.2021.40>
- [8] Bertacchi, A., Gasparyan, B., Gruwier, B., **Rivals, F.**, Kandel, A.W., 2020. Upper Paleolithic animal exploitation in the Armenian Highlands: The zooarchaeology of Aghitu-3 cave. *Quaternary International* 587-588, 400-414. <https://doi.org/10.1016/j.quaint.2020.04.029>
- [9] **Blain, H.-A.**, **Fagoaga, A.**, Ruiz-Sánchez, F.J., García-Medrano, P., **Ollé, A.**, Jiménez-Arenas, J.M., 2021. Coping with arid environments: A critical threshold for human expansion in Europe at the Marine Isotope Stage 12/11 transition? The case of the Iberian Peninsula. *Journal of Human Evolution* 153, 102950. <https://doi.org/10.1016/j.jhevol.2021.102950>
- [10] Blanco-Lapaz, A., **Martínez-Monzón, A.**, **Blain, H.-A.**, Cuenca-Bescós, G., 2021. Early-Middle Pleistocene freshwater ecosystems in the Sierra de Atapuerca (northern

Iberia) based on the Gran Dolina fish record. *Palaeogeography Palaeoclimatology Palaeoecology* 574, 110444. <https://doi.org/10.1016/j.palaeo.2021.110444>

[11] Bolós, X., Oms, O., Rodríguez-Salgado, P., Martí, J., **Gómez de Soler, B., Campeny, G.**, 2021. Eruptive evolution and 3D geological modeling of Camp dels Ninots maar-diatreme (Catalonia) through continuous intra-crater drill coring, *Journal of Volcanology and Geothermal Research* 419, 107369. <https://doi.org/10.1016/j.jvolgeores.2021.107369>

[12] Bourguignon, L., Ivorra, J., De Weyer, L., Cuartero, F., **Barsky, D.**, Capdevila, R., Ivorra, M.-H., 2021. Les nodules sphériques de basalte de l'unité archéologique US2 du site de « Bois-de-Riquet », France : origine et caractérisation d'une sélection, *L'Anthropologie*, 125 (1), 102847. <https://doi.org/10.1016/j.anthro.2021.102847>

[13] Conde-Valverde, M., Martínez, I., Quam, R.M., Rosa, M., Velez, A.D., **Lorenzo, C.**, Jarabo, P., Bermúdez de Castro, J.M., Carbonell, E., Arsuaga, J.L., 2021. Neanderthals and *Homo sapiens* had similar auditory and speech capacities, *Nature Ecology & Evolution* 5, 609–615. <https://doi.org/10.1038/s41559-021-01391-6>

[14] Courtenay, L.A., Herranz-Rodrigo, D., Yravedra, J., Vázquez-Rodríguez, J.M., **Huguet, R.**, Barja, I., Maté-González, M.Á., Fernández, M.F., Muñoz-Nieto, Á.-L., González-Aguilera, D., 2021. 3D Insights into the Effects of Captivity on Wolf Mastication and Their Tooth Marks; Implications in Ecological Studies of Both the Past and Present, *Animals* 11, 2323. <https://doi.org/10.3390/ani11082323>

[15] de Lombera-Hermida, A., **Rodríguez-Álvarez, X.-P.**, Ameijenda Iglesias, A., Díaz Rodríguez, M., Valverde Tejedor, I., Pérez-Alberti, A., Cunha, P.P., Bal García, H., **Aldea Moreira, X.**, Lorenzo Salgueiro, C., Mosquera Castro, T., Fábregas Valcarce, R., 2021. Between two worlds: Cova Eirós and the Middle-Upper Palaeolithic transition in NW Iberia, *Comptes Rendus Palevol* 20, 859-886. <https://doi.org/10.5852/cr-palevol2021v20a42>

[16] Domínguez-Rodrigo, M., Baquedano, E., Organista, E., Cobo-Sánchez, L., Mabulla, A., Maskara, V., Gidna, A., Pizarro-Monzo, M., Aramendi, J., Galán, A.B., Cifuentes-Alcobendas, G., Vegara-Riquelme, M., Jiménez-García, B., Abellán, N., Barba, R., Uribelarrea, D., Martín-Perea, D., Díez-Martin, F., Maíllo-Fernández, J.M., **Rodríguez-Hidalgo, A.**, Courtenay, L., Mora, R., Maté-González, M.A., González-Aguilera, D., 2021. Early Pleistocene faunivorous hominins were not kleptoparasitic, and this impacted the evolution of human anatomy and socio-ecology, *Scientific Reports* 11, 16135. <https://doi.org/10.1038/s41598-021-94783-4>

[17] Eixea, A., **Bargalló, A., de Soler, B.G.**, Romagnoli, F., **Vaquero, M., Saladié, P., Carbonell, E., Vallverdú, J., Chacón, M.G.**, 2021. Variability of limestone knapping methods in Middle Palaeolithic levels M and Ob of Abric Romaní (Barcelona, Spain), *Archaeological and Anthropological Sciences* 13, 172. <https://doi.org/10.1007/s12520-021-01443-9>

[18] Forgia, V., **Ollé, A., Vergès, J.M.**, 2021. Early pastoral communities in the mountains of Sicily. Prehistoric evidence from Vallone Inferno (Scillato) in the palaeoenvironmental framework of the Madonie mountain range, *Journal of Anthropological Archaeology* 61, 101238. <https://doi.org/10.1016/j.jaa.2020.101238>

[19] **Hernando, R., Gamarra, B.**, McCall, A., Cheronet, O., Fernandes, D., Sirak, K., Schmidt, R., **Lozano, M.**, Szeniczey, T., Hajdu, T., Bárány, A., Kalli, A., Tutkovics, E.K., Köhler, K., Kiss, K., Koós, J., Csengeri, P., Király, Á., Horváth, A., Hajdu, M.L., Tóth, K.,

Patay, R., Feeney, R.N.M., Pinhasi, R., 2021. Integrating buccal and occlusal dental microwear with isotope analyses for a complete paleodietary reconstruction of Holocene populations from Hungary, *Scientific Reports* 11, 7034. <https://doi.org/10.1038/s41598-021-86369-x>

[20] Hovers, E., Gossa, T., Asrat, A., Niespolo, E.M., Resom, A., Renne, P.R., Ekshtain, R., Herzlinger, G., Ketema, N., **Martínez-Navarro, B.**, 2021. The expansion of the Acheulian to the Southeastern Ethiopian Highlands: Insights from the new early Pleistocene site-complex of Melka Wakena, *Quaternary Science Reviews* 253, 106763. <https://doi.org/10.1016/j.quascirev.2020.106763>

[21] Lazarev, S., Kuiper, K.F., Oms, O., Bukhsianidze, M., Vasilyan, D., Jorissen, E.L., Bouwmeester, M.J., Aghayeva, V., van Amerongen, A.J., **Agustí, J.**, Lordkipanidze, D., Krijgsman, W., 2021. Five-fold expansion of the Caspian Sea in the late Pliocene: New and revised magnetostratigraphic and $40\text{Ar}/39\text{Ar}$ age constraints on the Akchagylian Stage, *Global and Planetary Change* 206, 103624. <https://doi.org/10.1016/j.gloplacha.2021.103624>

[22] **López-García, J.M.**, Cuenca-Bescós, G., Galindo-Pellicena, M.Á., Luzi, E., Berto, C., Lebreton, L., Desclaux, E., 2021. Rodents as indicators of the climatic conditions during the Middle Pleistocene in the southwestern Mediterranean region: implications for the environment in which hominins lived, *Journal of Human Evolution* 150, 102911. <https://doi.org/10.1016/j.jhevol.2020.102911>

[23] **López-García, J.M.**, Blain, H.-A., **Sánchez-Bandera, C.**, Cohen, J., Lebreton, L., Montuire, S., Stewart, J.R., Desclaux, E., 2021. Multi-method approach using small vertebrate assemblages to reconstruct the Marine Isotope Stage 6 climate and environment of the Lazaret cave sequence (Maritime Alps, Nice, France), *Palaeogeography, Palaeoclimatology, Palaeoecology* 577, 110529. <https://doi.org/10.1016/j.palaeo.2021.110529>

[24] López-Onaindia, D., **Lorenzo, C.**, Albisu, C., Etxeberria, F., Herrasti, L., Arribas, J.L., Berganza, E., Gómez-Olivencia, A., 2021. The Magdalenian human remains from Santa Catalina (Lekeitio, Biscay, Northern Iberian Peninsula), *Archaeological and Anthropological Sciences* 13, 202. <https://doi.org/10.1007/s12520-021-01442-w>

[25] **Lozano, M.**, Jiménez-Brobeil, S.A., **Willman, J.C.**, Sánchez-Barba, L.P., Molina, F., Rubio, Á., 2021. Argaric craftswomen: Sex-based division of labor in the Bronze Age southeastern Iberia, *Journal of Archaeological Science* 127, 105239. <https://doi.org/10.1016/j.jas.2020.105239>

[26] Luzón, C., Yravedra, J., Courtenay, L.A., Saarinen, J., **Blain, H.-A.**, DeMiguel, D., Viranta, S., Azanza, B., Rodríguez-Alba, J.J., Herranz-Rodrigo, D., Serrano-Ramos, A., Solano, J.A., Oms, O., **Agustí, J.**, Fortelius, M., Jiménez-Arenas, J.M., 2021. Taphonomic and spatial analyses from the Early Pleistocene site of Venta Micena 4 (Orce, Guadix-Baza Basin, southern Spain), *Scientific Reports* 11, 13977. <https://doi.org/10.1038/s41598-021-93261-1>

[27] Madurell-Malapeira, J., **Rodríguez-Hidalgo, A.**, Aouraghe, H., Haddoumi, H., Lucenti, S.B., Oujaa, A., **Saladié, P.**, Bengamra, S., **Marín, J.**, Souhir, M., Farkouch, M., Mhamdi, H., Aissa, A.M., Werdelin, L., **Chacón, M.G.**, **Sala-Ramos, R.**, 2021. First small-sized *Dinofelis*: Evidence from the Plio-Pleistocene of North Africa, *Quaternary Science Reviews* 265, 107028. <https://doi.org/10.1016/j.quascirev.2021.107028>

- [28] **Martín, P., Tornero, C.,** García, D.C.S., **Vergès, J.M.**, 2021. Early sheep herd management in the inland of the Iberian Peninsula: results of the incremental isotopic analyses of dental remains from El Mirador cave (Sierra de Atapuerca, Spain), *Archaeological and Anthropological Sciences* 13, 99. <https://doi.org/10.1007/s12520-021-01355-8>
- [29] **Martínez-Monzón, A.,** Cuenca-Bescós, G., **Bisbal-Chinesta, J.-F., Blain, H.-A.**, 2021. One million years of diversity shifts in amphibians and reptiles in a Mediterranean landscape: resilience rules the Quaternary, *Palaeontology* 64, 673-686. <https://doi.org/10.1111/pala.12547>
- [30] **Martínez-Navarro B.,** Bartolini Lucenti S., Bartolini Lucenti S., Ros-Montoya S., Madurell-Malapeira J. & Espigares M. P. 2021. — A new species of dog from the Early Pleistocene site of Venta Micena (Orce, Baza Basin, Spain). *Comptes Rendus Palevol* 20 (17): 297-314. <https://doi.org/10.5852/cr-palevol2021v20a17>
- [31] **Martínez-Polanco, M.F.,** Ranere, A., Cooke, R.G., 2021. Following white-tailed deer to the hilltop: A zooarchaeological and taphonomic analysis of deer hunting at Cerro Mangote, a Late Pre-ceramic (7800-4600 cal yr BP) site in central Pacific Panama. *Quaternary International* 578, 170-182. <https://doi.org/10.1016/j.quaint.2020.06.003>
- [32] Mas, B., **Allué, E., Alonso, E.S., Vaquero, M.**, 2021. From forest to settlement: Magdalenian hunter-gatherer interactions with the wood vegetation environment based on anthracology and intra-site spatial distribution, *Archaeological and Anthropological Sciences* 13 (1), 12. <https://doi.org/10.1007/s12520-020-01264-2>
- [33] Melchionna, M., Profico, A., Buzi, C., Castiglione, S., Mondanaro, A., **Del Bove, A.,** Sansalone, G., Piras, P., Raia, P., 2021. A New Integrated Tool to Calculate and Map Bilateral Asymmetry on Three-Dimensional Digital Models, *Symmetry* 13, 1644. <https://doi.org/10.3390/sym13091644>
- [34] Mercader, J., **Akuku, P.,** Boivin, N., Bugumba, R., Bushozi, P., Camacho, A., Carter, T., Clarke, S., Cueva-Temprana, A., Durkin, P., Favreau, J., Fella, K., Haberle, S., Hubbard, S., Inwood, J., Itambu, M., Koromo, S., Lee, P., Mohammed, A., Mwambwiga, A., Olesilau, L., Patalano, R., Roberts, P., Rule, S., **Saladie, P.,** Siljedal, G., Soto, M., Umbsaar, J., Petraglia, M., 2021. Earliest Olduvai hominins exploited unstable environments ~ 2 million years ago, *Nature Communications* 12 (1), 3. <https://doi.org/10.1038/s41467-020-20176-2>
- [35] Moclán, A., **Huguet, R.,** Márquez, B., Laplana, C., Galindo-Pellicena, M.Á., García, N., **Blain, H.-A.,** Álvarez-Lao, D.J., Arsuaga, J.L., Pérez-González, A., Baquedano, E., 2021. A neanderthal hunting camp in the central system of the Iberian Peninsula: A zooarchaeological and taphonomic analysis of the Navalmaillo Rock Shelter (Pinilla del Valle, Spain), *Quaternary Science Reviews* 269, 107142. <https://doi.org/10.1016/j.quascirev.2021.107142>
- [36] **Mercader, J.,** Clarke, S., Itambu, M., Mohamed, A., Mwitondi, M., Siljedal, G., Soto, M., Bushozi, P., 2021. Phytolith Palaeoenvironments at Mumba Rock Shelter, *Frontiers in Ecology and Evolution* 9. <https://doi.org/10.3389/fevo.2021.699609>
- [37] Moncel, M.-H., **García-Medrano, P.,** Despriée, J., Arnaud, J., Voinchet, P., Bahain, J.-J., 2021. Tracking behavioral persistence and innovations during the Middle Pleistocene in Western Europe. Shift in occupations between 700 and 450 ka at la

Noira site (Centre, France), *Journal of Human Evolution* 156, 103009.
<https://doi.org/10.1016/j.jhevol.2021.103009>

[38] Moncel, M.-H., **Chacón, M.G.**, Vettese, D., Courty, M.-A., Daujeard, C., Eixea, A., Fernandes, P., **Allué, E.**, Hardy, B., **Rivals, F.**, Béarez, P., Gallotti, R., Puaud, S., 2021. Late Neanderthal short-term and specialized occupations at the Abri du Maras (South-East France, level 4.1, MIS 3), *Archaeological and Anthropological Sciences* 13, 45. <https://doi.org/10.1007/s12520-021-01285-5>

[39] **Moreno-Ibáñez, M.Á.**, **Saladié, P.**, Morales, J.I., Cebrià, A., Fullola, J.M., 2021. Was it an axe or an adze? A cranial trauma case study from the Late Neolithic – Chalcolithic site of Cova Foradada (Calafell, Spain), *International Journal of Paleopathology* 32, 23-30. <https://doi.org/10.1016/j.ijpp.2020.11.002>

[40] Navazo-Ruiz, M., Benito-Calvo, A., Alonso-Alcalde, R., Alonso, P., Fuente, H.d.I., Santamaría, M., Santamaría, C., Álvarez-Vena, A., Arnold, L.J., Iriarte-Chiapusso, M.J., Demuro, M., **Lozano, M.**, Ortiz, J.E., Torres, T., 2021. Late Neanderthal subsistence strategies and cultural traditions in the northern Iberia Peninsula: Insights from Prado Vargas, Burgos, Spain, *Quaternary Science Reviews* 254, 106795. <https://doi.org/10.1016/j.quascirev.2021.106795>

[41] Núñez-Lahuerta, C., Galán, J., Cuenca-Bescós, G., **Huguet, R.**, 2021. Birds from sima del elefante, atapuerca, spain: Palaeoecological implications in the oldest human bearing levels of the iberian peninsula. *Rivista Italiana di Paleontologia e Stratigrafia*. 127, 453–484. <https://doi.org/10.13130/2039-4942/16027>

[42] Oldenburg, T., Brown, M., Inwood, J., Radović, J., Snowdon, R., Larter, S., **Mercader, J.**, 2021. A novel route for identifying starch diagenetic products in the archaeological record. *PLOS ONE*. 16, e0258779. <https://doi.org/10.1371/journal.pone.0258779>

[43] Patalano, R., Roberts, P., Boivin, N., Petraglia, M.D., **Mercader, J.**, 2021. Plant wax biomarkers in human evolutionary studies, *Evolutionary Anthropology: Issues, News, and Reviews* 30 (6), 385-398. <https://doi.org/10.1002/evan.21921>

[44] Picin, A., Benazzi, S., **Blasco, R.**, Hajdinjak, M., Helgen, K.M., Hublin, J.-J., **Rosell, J.**, Skoglund, P., Stringer, C., Talamo, S., 2021. Comment on; “A global environmental crisis 42,000 years ago”, *Science* 374, 6570. <https://doi.org/10.1126/science.abi8330>

[45] Picornell-Gelabert, L., Servera-Vives, G., Carrión Marco, Y., **Burjachs, F.**, Currás, A., Llergo, Y., Dufraisse, A., De Luís Arrillaga, M., Mus Amézquita, M., 2021. Late Holocene Aleppo pine (*Pinus halepensis* Miller) woodlands in Mallorca (Balearic Islands, Western Mediterranean): Investigation of their distribution and the role of human management based on anthracological, dendro-anthracological and archaeopalynological data, *Quaternary International* 593–594, 346-363. <https://doi.org/10.1016/j.quaint.2020.11.006>

[46] Piqué, R., Alcolea, M., Antolín, F., **Berihuete-Azorín, M.**, Berrocal, A., Rodríguez-Antón, D., Herrero-Otal, M., López-Bultó, O., Obea, L., **Revelles, J.**, 2021. Mid-Holocene Palaeoenvironment, Plant Resources and Human Interaction in Northeast Iberia: An Archaeobotanical Approach, *Applied Sciences* 11, 5056. <https://doi.org/10.3390/app11115056>

[47] Piqué, R., Morera, N., **Revelles, J.**, Castells, E., López-Bultó, O., Franch, A., **Burjachs, F.**, 2021. The Distribution and Use of Box (*Buxus sempervirens* L.) in the

Northeastern Iberian Peninsula During the Holocene. *Environmental Archaeology* 26 (2), 179-191 doi:10.1080/14614103.2018.1515054

[48] Proffitt, T., Reeves, J.S., Benito-Calvo, A., Sánchez-Romero, L., **Arroyo, A.**, Malajivivtnd, S., Luncz, L.V., 2021. Three-dimensional surface morphometry differentiates behaviour on primate percussive stone tools, *Journal of The Royal Society Interface* 18, 20210576. <https://doi.org/10.1098/rsif.2021.0576>

[49] **Rangel de Lázaro, G.**, 2021. Tracing craniovascular traits in artificially modified pre-Columbian crania from Cuba, the largest Caribbean archipelago, *International Journal of Osteoarchaeology* 31 (2), 303-308. <https://doi.org/10.1002/oa.2947>

[50] **Revelles, J.**, Ghilardi, M., 2021. 49. Saint Florent (north Corsica, France), *Grana* 60 (2), 158-160. <https://doi.org/10.1080/00173134.2020.1812710>

[51] **Revelles, J.**, 2021. The Role of Palynology in Archaeoecological Research: Reconstructing Human-Environment Interactions during Neolithic in the Western Mediterranean, *Applied Sciences* 11, 4073. <https://doi.org/10.3390/app11094073>

[52] **Revelles, J.**, 2021. Archaeoecology. The Application of Palaeoenvironmental Sciences for the Reconstruction of Human-Environment Interactions, *Applied Sciences* 11, 8782. <https://doi.org/10.3390/app11188782>

[53] **Revelles, J.**, Ghilardi, M., 2021. 50. Piantarella (south Corsica, France), *Grana* 60 (3), 239-242. <https://doi.org/10.1080/00173134.2020.1822440>

[54] **Rivals, F., Blasco, R., Rosell, J.**, Efrati, B., Gopher, A., Barkai, R., 2021. Seasonality, duration of the hominin occupations and hunting grounds at Middle Pleistocene Qesem Cave (Israel), *Archaeological and Anthropological Sciences* 13, 205. <https://doi.org/10.1007/s12520-021-01460-8>

[55] Rodríguez-Salgado, P., Oms, O., Ibañez-Insa, J., Anadón, P., **de Soler, B.G., Campeny, G., Agustí, J.**, 2021. Mineralogical proxies of a Pliocene maar lake recording changes in precipitation at the Camp dels Ninots (Pliocene, NE Iberia), *Sedimentary Geology* 418, 105910. <https://doi.org/10.1016/j.sedgeo.2021.105910>

[56] Rosas, A., Aguado, L., García-Taberner, A., **Saladié, P.**, Fero Meñe, M., Eban, C., Esono Mba, F., Morales, J.I., Andrews, P., 2021. Bushmeat skeletal waste from an Atlantic African rainforest (Equatorial Guinea) as a test for the Mammal Community Structure Analysis in paleoecology, *International Journal of Osteoarchaeology* 31 (3), 440-455. <https://doi.org/10.1002/oa.2964>

[57] Ros-Montoya, S., Bartolini-Lucenti, S., Espigares, M.P., Palmqvist, P., **Martínez-Navarro, B.**, 2021. First review of lyncodontini material (Mustelidae, Carnivora, Mammalia) from the lower pleistocene archaeo-palaeontological sites of orce (Southeastern Spain), *Rivista Italiana di Paleontologia e Stratigrafia* 127, 33-47. <https://doi.org/10.13130/2039-4942/15132>

[58] Ryan, S.E., Dabrowski, V., Dapoigny, A., Gauthier, C., Douville, E., Tengberg, M., **Kerfant, C.**, Mouton, M., Desormeau, X., Noûs, C., Zazzo, A., Bouchaud, C., 2021. Strontium isotope evidence for a trade network between southeastern Arabia and India during Antiquity, *Scientific Reports* 11, 303. <https://doi.org/10.1038/s41598-020-79675-3>

[59] Saarinen, J., Oksanen, O., Žliobaitė, I., Fortelius, M., DeMiguel, D., Azanza, B., Bocherens, H., Luzón, C., Solano-García, J., Yravedra, J., Courtenay, L.A., **Blain, H.-A., Sánchez-Bandera, C.,** Serrano-Ramos, A., Rodríguez-Alba, J.J., Viranta, S., **Barsky, D.,** Tallavaara, M., Oms, O., **Agustí, J.,** Ochando, J., Carrión, J.S., Jiménez-Arenas, J.M., 2021. Pliocene to Middle Pleistocene climate history in the Guadix-Baza Basin, and the environmental conditions of early Homo dispersal in Europe, *Quaternary Science Reviews* 268, 107132. <https://doi.org/10.1016/j.quascirev.2021.107132>

[60] Sala, N., Pablos, A., **Rodríguez-Hidalgo, A.,** Arriolabengoa, M., Alcaraz-Castaño, M., Cubas, M., Posth, C., Nägele, K., Pantoja-Pérez, A., Arlegi, M., Rodríguez-Almagro, M., Conde-Valverde, M., Cuenca-Bescós, G., Arribas, A., Gómez-Olivencia, A., 2021. Cueva de los Torrejones revisited. New insights on the paleoecology of inland Iberia during the Late Pleistocene, *Quaternary Science Reviews* 253, 106765. <https://doi.org/10.1016/j.quascirev.2020.106765>

[61] **Saladié, P., Rodríguez-Hidalgo, A.,** Domínguez-Rodrigo, M., **Vallverdú, J., Mosquera, M., Ollé, A., Huguet, R., Cáceres, I.,** Arsuaga, J.L., Bermúdez de Castro, J.M., **Carbonell, E.,** 2021. Draggled, lagged, or undisturbed: reassessing the autochthony of the hominin-bearing assemblages at Gran Dolina (Atapuerca, Spain), *Archaeological and Anthropological Sciences* 13, 65. <https://doi.org/10.1007/s12520-021-01303-6>

[62] Santamaría, M., Navazo, M., Benito-Calvo, A., Alonso, R., López, G., & **Carbonell, E.,** 2021. Atapuerca Neanderthal landscape at Fuente Mudarra site in Burgos, Spain, during Marine Isotope Stages 5–3. *Quaternary Research* 99, 248–269. <https://doi.org/10.1017/qua.2020.65>

[63] Sierra, A., Merino, G.O., **Rivals, F.,** Saña, M., 2021. Feeding practices and management of domestic mammals during the Neolithic in the Iberian Peninsula through dental microwear. *Historical Biology*. 33, 3241–3253. <https://doi.org/10.1080/08912963.2020.1860957>

[64] Tejedor-Rodríguez, C., Moreno-García, M., **Tornero, C.,** Hoffmann, A., García-Martínez de Lagrán, Í., Arcusa-Magallón, H., Garrido-Pena, R., Royo-Guillén, J.I., Díaz-Navarro, S., Peña-Chocarro, L., Alt, K.W., Rojo-Guerra, M., 2021. Investigating Neolithic caprine husbandry in the Central Pyrenees: Insights from a multi-proxy study at Els Trocs cave (Bisaurri, Spain), *PLOS ONE* 16, e0244139. <https://doi.org/10.1371/journal.pone.0244139>

[65] Thompson, J.C., Wright, D.K., Ivory, S.J., Choi, J.-H., Nightingale, S., Mackay, A., Schilt, F., Otárola-Castillo, E., **Mercader, J.,** Forman, S.L., Pietsch, T., Cohen, A.S., Arrowsmith, J.R., Welling, M., Davis, J., Schiery, B., Kaliba, P., Malijani, O., Blome, M.W., O'Driscoll, C.A., Mentzer, S.M., Miller, C., Heo, S., Choi, J., Tembo, J., Mapemba, F., Simengwa, D., Gomani-Chindebvu, E., 2021. Early human impacts and ecosystem reorganization in southern-central Africa, *Science Advances* 7, eabf9776. <https://doi.org/10.1126/sciadv.abf9776>

[66] **Titton, S.,** Oms, O., **Barsky, D., Bargalló, A.,** Serrano-Ramos, A., García-Solano, J., **Sánchez-Bandera, C.,** Yravedra, J., **Blain, H.-A.,** Toro-Moyano, I., Jiménez-Arenas, J.M., **Sala-Ramos, R.,** 2021. Oldowan stone knapping and percussive activities on a raw material reservoir deposit 1.4 million years ago at Barranco León (Orce, Spain), *Archaeological and Anthropological Sciences* 13, 108. <https://doi.org/10.1007/s12520-021-01353-w>

- [67] Uzunidis, A., **Pineda, A.**, Jiménez-Manchón, S., Xafis, A., Ollivier, V., **Rivals, F.**, 2021. The impact of sediment abrasion on tooth microwear analysis: an experimental study, *Archaeological and Anthropological Sciences* 13, 134. <https://doi.org/10.1007/s12520-021-01382-5>
- [68] Vanwezer, N., Breitenbach, S.F.M., Gázquez, F., Louys, J., Kononov, A., Sokol'nikov, D., Erdenedalai, A., **Burguet-Coca, A.**, Picin, A., Cueva Temprana, A., Sánchez-Martínez, J., Taylor, W., Boivin, N., Jamsranjav, B., Petraglia, M.D., 2021. Archaeological and environmental cave records in the Gobi-Altai Mountains, Mongolia, *Quaternary International* 586, 66-89. <https://doi.org/10.1016/j.quaint.2021.03.010>
- [69] Vernot, B., Zavala, E.I., Gómez-Olivencia, A., Jacobs, Z., Slon, V., Mafessoni, F., Romagné, F., Pearson, A., Petr, M., Sala, N., Pablos, A., Aranburu, A., de Castro, J.M.B., **Carbonell, E.**, Li, B., Krajcarz, M.T., Krivoshapkin, A.I., Kolobova, K.A., Kozlikin, M.B., Shunkov, M.V., Derevianko, A.P., Viola, B., Grote, S., Essel, E., Herráez, D.L., Nagel, S., Nickel, B., Richter, J., Schmidt, A., Peter, B., Kelso, J., Roberts, R.G., Arsuaga, J.-L., Meyer, M., 2021. Unearthing Neanderthal population history using nuclear and mitochondrial DNA from cave sediments, *Science* 372, 6542. <https://doi.org/10.1126/science.abf1667>
- [70] Vettese, D., Stavrova, T., Borel, A., **Marín, J.**, Moncel, M.-H., Arzarello, M., Daujeard, C., 2021. A way to break bones? The weight of intuitiveness, *PLOS ONE* 16, e0259136. <https://doi.org/10.1371/journal.pone.0259136>
- [71] **Yeşilova, G.C.**, **Ollé, A.**, **Vergès, J.M.**, 2021. Is a spatial investigation possible without long-distance refit/conjoin? Application to the MIS 11 lithic assemblage of levels E and J from La Cansaladeta site (Tarragona, Spain), *Archaeological and Anthropological Sciences* 13, 157. <https://doi.org/10.1007/s12520-021-01384-3>
- [72] Yravedra, J., Solano, J.A., Courtenay, L.A., Saarinen, J., Linares-Matás, G., Luzón, C., Serrano-Ramos, A., Herranz-Rodrigo, D., Cámara, J.M., Ruiz, A., Titton, S., Rodríguez-Alba, J.J., Mielgo, C., **Blain, H.-A.**, **Agustí, J.**, **Sánchez-Bandera, C.**, Montilla, E., Toro-Moyano, I., Fortelius, M., Oms, O., **Barsky, D.**, Jiménez-Arenas, J.M., 2021. Use of meat resources in the Early Pleistocene assemblages from Fuente Nueva 3 (Orce, Granada, Spain), *Archaeological and Anthropological Sciences* 13, 213. <https://doi.org/10.1007/s12520-021-01461-7>
- [73] Yustos, M., **Lozano, M.**, Morales, J.I., Iglesias-Bexiga, J., **Vergès, J.M.**, 2021. Degenerative joint disease in the Chalcolithic population of El Mirador cave (Sierra de Atapuerca, Spain): the vertebral column, *International Journal of Osteoarchaeology* 31 (2), 162-175. <https://doi.org/10.1002/oa.2936>
- [74] Zilio, L., Hammond, H., Karampaglidis, T., Sánchez-Romero, L., **Blasco, R.**, **Rivals, F.**, Rufà, A., Picin, A., **Chacón, M.G.**, Demuro, M., Arnold, L.J., **Rosell, J.**, 2021. Examining Neanderthal and carnivore occupations of Teixoneres Cave (Moià, Barcelona, Spain) using archaeostratigraphic and intra-site spatial analysis, *Scientific Reports* 11, 4339. <https://doi.org/10.1038/s41598-021-83741-9>

Indexed Publications (WoS and Scopus) without Impact Factor

- [1] Albizuri, S., Martín, A., Gibaja, J.F., **Martín, P.**, 2021. Bovinos en estructuras funerarias del Neolítico Medio del noreste de la Península Ibérica. La necrópolis de la Bòbila Madurell como caso de estudio sobre la gestión del vacuno, *Munibe* 72. <https://doi.org/10.21630/maa.2021.72.06>
- [2] Almeida, N.J., Cerrillo-Cuenca, E., **Saladié, P.**, 2021. Framing agricultural intensification in western Iberia during the Late Neolithic: A new insight through the faunal record from Los Barruecos site, *Journal of Archaeological Science: Reports* 36, 102815. <https://doi.org/10.1016/j.jasrep.2021.102815>
- [3] Alonso Alcalde, R., Navazo Ruiz, M., **Carbonell i Roura, E.**, 2021. Los yacimientos arqueológicos de la sierra de Atapuerca. 150 años de exploraciones, excavaciones y ciencia, *Vínculos de Historia* 10, 425-444. http://dx.doi.org/10.18239/vdh_2021.10.24
- [4] **Arroyo, A.**, Falótico, T., **Burguet-Coca, A.**, **Expósito, I.**, Quinn, P., Proffitt, T., 2021. Use-wear and residue analysis of pounding tools used by wild capuchin monkeys (*Sapajus libidinosus*) from Serra da Capivara (Piauí, Brazil), *Journal of Archaeological Science: Reports* 35, 102690. <https://doi.org/10.1016/j.jasrep.2020.102690>
- [5] **Díaz-Cortés, A.**, **López-Polín, L.**, Del Valle Blanco, H., **Cáceres Cuello de Oro, I.**, 2021. The nature of bone and its fossilization. Taphonomy for the study of the conservation status of archaeological and paleontological bone, *Ge-conservacion* 20, 51-63. <https://doi.org/10.37558/gec.v20i1.1001>
- [6] Díaz-Rodríguez, M., Fábregas-Valcarce, R., De Lombera-Hermida, A., **Rodríguez-Álvarez, X.P.**, 2021. Análisis Locacional del Yacimiento Paleolítico de Cova Eirós (Triacastela, Lugo), *Estudos do Quaternário / Quaternary Studies* 20, pp. 14-32. <https://doi.org/10.30893/eq.v0i20.199>
- [7] García-Diez, M., **Viñas, R.**, **de Lombera-Hermida, A.**, Rubio, A., **Rodríguez-Álvarez, X.P.**, Ochoa, B., Fábregas-Valcarce, R., 2021. Cova Eirós (Galicia, Spain): The 'Finisterre' of Paleolithic cave art, *Journal of Archaeological Science: Reports* 35, 102756. <https://doi.org/10.1016/j.jasrep.2020.102756>
- [8] **García-Vadillo, F.J.**, Duval, M., **Canals-Salomó, A.**, **Rodríguez-Álvarez, X.P.**, García Garriga, J., **Carbonell-Roura, E.**, 2021. Contexto crono-estratigráfico y cultural del conjunto lítico de Base Menacho (cuenca del río Guadiana, Badajoz, España): primeros resultados, *Cuaternario y Geomorfología* 25 (3-4), 147-173. <https://doi.org/10.17735/cyg.v35i3-4.89904>
- [9] **Gómez de Soler, B.**, **Soares-Remiseiro, M.**, 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-Pedraza, I.**, Val-Peón, C., **Vallverdú, J.**, 2021. The Guinardera quarry (Sant Martí de Tous, Barcelona): A new chert exploitation location during historical times, *Journal of Lithic Studies* 8(2), 25 p. <https://doi.org/10.2218/jls.6546>
- [10] **López-García, J.M.**, Pimenta, C., Araújo, A.C., Costa, A.M., Sanz, M., Daura, J., 2021. Using Small Mammals to Reconstruct the Climatic Context of the Late Pleistocene Lagar Velho Rockshelter (Leiria, Portugal), *Alpine and Mediterranean Quaternary*, 34(2), 201-211. <https://doi.org/10.26382/AMQ.2021.04>

[11] **Martín, P.**, Oms, F.X., 2021. Early Neolithic Husbandry in the Pre-Pyrenean Area. The Management of Herds at the Cova Colomera (Serra del Montsec, Spain) and Its Implications for the Early Occupation of the Region, *Open Archaeology* 7, 1. <https://doi.org/10.1515/opar-2020-0190>

[12] **Rangel-de Lázaro, G.**, Martínez-Fernández, A., Rangel-Rivero, A., Benito-Calvo, A., 2021. Shedding light on pre-Columbian crania collections through state-of-the-art 3D scanning techniques. *Virtual Archaeol. Rev.* 12 (24), 1-10. <https://doi.org/10.4995/var.2021.13742>

[13] Rey-Rodríguez, I., Arnaud, J., **López-García, J.-M.**, Stoetzel, E., Denys, C., Cornette, R., Bazgir, B., 2021. Distinguishing between three modern *Ellobius* species (Rodentia, Mammalia) and identification of fossil *Ellobius* from Kaldar Cave (Iran) using geometric morphometric analyses of the first lower molar, *Palaeontologia Electronica* 24, a01. <https://doi.org/10.26879/1122>

[14] Sierra, A., Balasse, M., **Rivals, F.**, Fiorillo, D., Utrilla, P., Saña, M., 2021. Sheep husbandry in the early Neolithic of the Pyrenees: New data on feeding and reproduction in the cave of Chaves, *Journal of Archaeological Science: Reports* 37, 102935. <https://doi.org/10.1016/j.jasrep.2021.102935>

[15] **Uzunidis, A.**, 2021. Middle Pleistocene Variations in the Diet of *Equus* in the South of France and Its Morphometric Adaptations to Local Environments, *Quaternary* 4, 23. <https://doi.org/10.3390/quat4030023>

[16] Vázquez, C., Vallejo, A., **Vergès, J.M.**, Barrio, R.J., 2021. Livestock activity biomarkers: Estimating domestication and diet of livestock in ancient samples, *Journal of Archaeological Science Reports* 40, 103220. <https://doi.org/10.1016/j.jasrep.2021.103220>

[17] Zornoza-Indart, A., López-Arce, P., **López-Polín, L.**, 2021. Archaeological chert artifacts from Atapuerca sites (Burgos, Spain): Characterization, causes of decay and selection of compatible consolidating products, *Conservar Patrimonio* 36, 20-35. <https://doi.org/10.14568/cp2019037>

No-indexed Papers

[1] **Bañuls-Cardona, S.**, **Rivals, F.**, **Vallverdú, J.**, 2021. A new quantitative method for dental mesowear analysis on *Apodemus sylvaticus* (rodentia, murinae), *Paleovertebrata* 1, 25

[2] García Argudo, G., **Rabuñal, J.R.**, Fernández-Marchena, J.L., **Lombao, D.**, Soto, M., Marsal, R., **Soares, M.**, **Opeyemi, A.**, Capdevila, R., **Vallverdú, J.**, 2021. Cantacorbs: recuperant un jaciment neolític oblidat a les muntanyes de Prades (Rojals-Montblanc, Tarragona), *Podall* 9-10, p. 7-24

[3] García Morato, S., Marín Monfort, D., **Bañuls-Cardona, S.**, Cuenca Bescós, G., **Vergés, J. M.**, Fernández Jalvo, Y., 2021. Small mammal taphonomy from Chalcolithic and middle Bronze Age levels from el Mirador cave (Sierra de Atapuerca, Burgos, Spain), *Paleovertebrata* 1, 80

[4] **Hernando, R.**, Fernández-Marchena, J.L., Willman, J.C., **Rabuñal, J.R.**, **Vergès, J.M.**, **Ollé, A.**, **Lozano, M.**, 2021. Easy, fast, and clear. Recognizing the role of the optical microscope for the quantification of human dental microwear. *PaleoAnthropology 11th Annual Meeting of the European Society for the Study of Human Evolution Book of Abstracts*, pp. 193:193

No-indexed Book Chapters

- [1] **Agusti, J.**, 2021. De África al fin del mundo. In E. Coperías (ed.): El origen de la humanidad. Ed. Pinolia, pp. 55-68
- [2] Aldea-Moreira, X., **Rodríguez-Álvarez, X.P.**, de Lombera-Hermida, A., 2021. Quartzite Management During the Middle and Upper Palaeolithic In Cova Eirós (Triacastela, Spain). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 64
- [3] **Canals-Salomó, A.**, 2021. Los primeros asentamientos humanos en Cáceres: el Calerizo de Cáceres y su aportación al paleolítico regional. In M.A. Bernal Gómez, A. Santiago Pérez (eds.): Paleolítico. De los primeros pobladores al ocaso neandertal en la península ibérica. Asociación jereza de amigos del archivo, Almuzara, pp. 78-94
- [4] Arilla, M., **Rosell, J., Blasco, R.**, 2021. Neo-Tafonomia 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. In M. Garriga (ed.): II Jornades de Recerca del Parc Natural de l'Alt Pirineu Llavorsí (Pallars Sobirà), Parc Natural de l'Alt Pirineu. Dpt. de Territori i Sostenibilitat. Generalitat de Catalunya, pp. 173-183.
- [5] **Arteaga, A., Mosquera, M., Ollé, A.**, 2021. Connecting lithics: Refits at Gran Dolina TD10.2. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 106
- [6] **Asryan, L., Ollé, A.**, 2021. Experimental and multi-technique approach with Cretaceous chert In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 162
- [7] **Asryan, L., Ollé, A., Arteaga-Briebe, A. Martín-Viveros, J.I.,** Fernández-Marchena, J.L., **Mosquera, M.**, 2021. What does the functional study of the lithic artefacts of a kill-butcher site tell us? A case study from the Gran Dolina TD10.2 subunit (Atapuerca, Spain). In A. Bouzouggar et al. (eds.): Evolution des Sociétés Humaines de la Préhistoire à la Protohistoire UISPP2021 Book of Abstracts. Meknès, pp. 76-77
- [8] **Berihuete-Azorín, M.**, Seijo, M.M., López-Bultó, O. and Piqué, R., 2021. Introduction: The missing woodland resources: Archaeobotanical studies of the use of plant raw materials (Vol. 6). Barkhuis
- [9] Biltekin, D., **Burjachs, F., Vallverdú, J.**, Sharp, W.D., Mertz-Kraus, R., **Chacón, M.G., Saladié, P.**, Bischoff, J.L., **Carbonell, E.**, 2021. Paleoclimate and vegetation reconstruction of Abric Romani (Capellades, Spain) during MIS-3, 4, and MIS-5 (a-d). Session SSP2.3 – SSP2.3 Integrated Stratigraphy - Recent advances in reconstructing Earth System and human dynamics. EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-3008
- [10] **Burjachs F.**, 2021. Francesc Burjachs i Casas, un dels pioners de l'arqueopalinologia al nord-est de la Península Ibèrica. In M. Díaz-Andreu M, M. Portillo M (eds.): Arqueología e interdisciplinariidad: la microhistoria de una revolución en la arqueología española (1970-2020). Edicions de la Universitat de Barcelona, pp. 85-91 (capítulo 10)
- [11] **Blasco, R.**, Fernández-Peris, J., 2021. From tortoises to elephants: the impact of elephants in the broad spectrum diet at Bolomor Cave (MIS 9–5 Spain). In G.E.,

Konidaris, R. Barkai, V. Turloukis, K. Harvati (eds.): Human-elephant interactions: from past to present. Tübingen University Press, pp. 363-385.

[12] **Carbonell, E., Hortolà, P.**, 2021. ¿Cómo evolucionamos los humanos? In J. Peretó, J. Bertranpetit (eds.): Iluminando la evolución humana. Ciento cincuenta años después de Darwin. Publicacions de la Universitat de València, pp. 235-248.

[13] **Carbonell, E., Hortolà P.**, 2021 [imprint 2020]. From past unaware hominization to future conscious humanization: social evolution in retrospect and prospect. In L. E. Grinin, A. V. Korotayev (eds.): Evolution. Evolutionary aspects: stars, primates, religion. Uchitel Publishing House, pp. 164-185

[14] **Carbonell, E., Hortolà P.**, 2021. Com evolucionem els humans? Treballs de la Societat Catalana de Biologia 71, 76-79.

[15] **Cazalla I., Gómez-Merino, G., Blasco, R., Rosell, J.**, 2021. El efecto de las limpiezas químicas en material óseo fósil: El caso de la Cova de les Teixoneres (Moià, Barcelona). In: RCR Hueso: 1ª Reunión de Conservación y Restauración de Hueso.

[16] **Chacón, M.G., Aouraghe, H., Soto, M., Morales, J.I., Tornero, C., Haddoumi, H., Rodríguez-Hidalgo, A., Saladié, P., Lombao, D., Canals, A., Benito-Calvo, A., Marín, J., Expósito, I., Allué, E., Díez-Canseco, C., García-Argudo, G., Souhir, M., Moreno, E., Bartrolí, R., Farkouch, M., Arnold, L., Demuro, M., Duval, M., Aissa, A.M., de Lombera, A., Tomasso, S., Oujaa, A., Bengamra, S., Sala-Ramos, R.**, 2021. Homo sapiens open-air occupations in Eastern Morocco (Jerada Province). 62nd Obermaier Annual Meeting, Brno (Czech Republic), April 6th – 8th, 2021. Moravské zemské muzeum (Moravian Museum). Online Conference. Book of abstracts, pp. 32-34.

[17] de Lombera-Hermida, A. **Rodríguez-Álvarez, X.-P., Gómez de Soler, B.**, 2021. The primary exploitation of Armorican Quartzite at the Costa Grande workshops and Valverde site (Monforte de Lemos, Galicia, NW Spain). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 92

[18] **Del Bove, A.**, Pacciani, E., Aranguren, B., 2021. Human skeletal remains from the Eneolithic of Spinosa Cave (Grosseto-Tuscany, Italy). In M. Besse, F. Giligny (eds.): Neolithic and Bronze Age Studies in Europe From material culture to territories. Uispp 2018

[19] Delpiano, D., **Lombao, D.**, Morales, J.I. 3D-Based approaches to lithic tools. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 139

[20] Espigares, M. P., **Martínez-Navarro, B.**, Ros-Montoya, S., García-Aguilar, J. M., Guerra-Merchán, A., Rodríguez-Gómez, G., Palmqvist, P., 2021. Hominins, mammoths, saber-tooths and giant hyenas in the Early Pleistocene of the Baza Basin (SE Spain). In: G. Konidaris, V. Turloukis, R. Barkai, K. Harvati (eds.): Proceedings of the workshop "Humans - Elephants Interactions: From past to present, Hannover 16-18.10.2019. Tübingen University Press. Chapter 2, pp. 47-66

[21] Farkouch, M., Morales, J.I., Aouraghe, H., Soto, M., **Canals, A., Lombao, D.**, Haddoumi, H., Benito-Calvo, A., Souhir, M., Bartrolí, R., Arnold, L., Demuro, M., Oujaa, A., Tomasso, S., Sala-Ramos, R., **Chacón, M.G.**, 2021. Core-reduction strategies in chert procurement areas during MSA in Eastern Morocco: Sahb el Ghar 1 & 2.1 open air sites. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, pp. 111-112

- [22] Fernández-Marchena, J.L., **Rabuñal, J.R.**, García-Argudo, G., **Lombao, D.**, Soto, M., **Vallverdú, J.**, 2021. Cantacorbs: Recovering a forgotten Neolithic site in the Prades Mountains (Rojals, Montblanc, NE Iberia), in: Bostyn, F., Giligny, F., Topping, P. (Eds.), From mine to user: Production and procurement systems of siliceous rocks in the European Neolithic and Bronze Age. Proceedings of the XVIII UISPP World Congress (4-9 June 2018, Paris, France). Session XXXIII-1&2, Archaeopress Publishing LTD, pp. 1-16
- [23] Fernández-Marchena, J.L., **Ollé, A.**, 2021. What did we do with the methodology? Several reasons why we must rethink and adapt the traceological methodology to the sample analysed. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 166
- [24] Gómez-Merino, G., **Lorenzo, C.**, Ros-Montoya, S., Espigares, M.P., **Sala-Ramos, R.**, **Martínez-Navarro, B.**, 2021. Restauración virtual de una mandíbula infantil de *Mammuthus meridionalis* del yacimiento de Fuente Nueva 3 (Orce, Granada). In RCR Hueso: 1ª Reunión Conservación y Restauración de Hueso
- [25] **Gómez de Soler, B.**, **Allué, E.**, Cámara, J., Campeny, G., **Chacón, M.G.**, Guinart, V., López, G., **Soares Remiseiro, M.**, Soto, M., **Suesta, A.**, **Vallverdú, J.**, 2021. Cal Sitjo: a new Mesolithic to Neolithic sequence in an abundance chert region (Sant Martí de Tous, Barcelona). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, pp. 131-132
- [26] **Gómez de Soler, B.**, Soto, M., **Soares, M.**, **Chacón, M.G.**, 2021. The Abric Romaní site and its lithic procurement areas (Field Trip Guide). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, pp. 222-230
- [27] **Hernando, R.**, **Lozano, M.**, 2021. Desgast dental dels individus de la cista del Camp de la Bruna (Lladurs, el Solsonès). In J.M. Espejo-Blanco, L. Fàbregas Solé, (eds.): La cista del Camp de la Bruna (Lladurs, el Solsonès). Un enterrament inèdit del neolític mitjà. Museu Diocesà i Comarcal de Solsona, Solsona
- [28] **Lombao, D.**, Rabuñal, J.R., Cueva-Temprana, A., **Mosquera, M.**, Morales, J.I., 2021. A 3D approach to measuring reduction intensity on cores: The Volumetric Reconstruction Method. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 146
- [29] **López-Polín, L.**, **Moreno-Ribas, E.**, **Díaz-Cortés, A.**, **Valtierra, N.**, **Cazalla, I.**, Jiskoot, J., Sicilia, B., Montemayor, A., Gómez-Morgado, L., **Pineda, A.**, **Ollé, A.**, **Vallverdú, J.**, **Saladié, P.**, 2021. Los tratamientos de conservación-restauración de los restos faunísticos pleistocenos del Barranc de la Boella. RCR HUESO: 1a reunión conservación y restauración de hueso, pp. 97-102
- [30] **Martínez-Navarro, B.**, 2021. La cuenca de Baza: Elefantes, hienas y homínidos. In M. A. Bernal Gómez, A. Santiago Pérez (eds.): Paleolítico. De los primeros pobladores al ocaso neandertal en la Península Ibérica. Ed. Almuzara, pp. 37-59
- [31] **Mateo-Lomba, P.**, **Ollé, A.**, **Cáceres, I.**, 2021. Bone toolmaking: a technological and functional methodology for the identification of knapped bones. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 169
- [32] **Messana, C.**, Bernabò Brea, M., Bertolini, M., Thun Hohenstein, U., 2021. Faunal

exploitation in an Early Neolithic site: the assemblage from Casa Gazza (Travo, Piacenza, northern Italy). *Neolithic and Bronze Age Studies in Europe; Proceedings of the XVIII UISPP World Congress (4-9 June 2018, Paris, France) Volume 13, Session I-4: 22-30*

[33] **Moreno-Ribas, E., Cazalla, I., López-Polín, L., Roubach, S., Campeny, G., Gómez de Soler, B.**, 2021. Del volcán al museo. Conservación y restauración de material paleontológico de Camp dels Ninots (Caldes de Malavella, Girona). *RCR HUESO: 1a reunión conservación y restauración de hueso*, pp. 48-51

[34] **Ollé, A., Fernández-Marchena, J.L., Arroyo, A., Pedergrana, A., Mosquera, M.**, 2021. Current research on the function of Homo antecessor's stone tool assemblage (Gran Dolina TD6, Atapuerca, Spain). A new insight from a multi-technique approach. In: A. Bouzouggar et al. (eds.): *Evolution des Sociétés Humaines de la Préhistoire à la Protohistoire. UISPP2021 Book of Abstracts. Meknès*, pp. 85-86

[35] **Pineda, A., Saladié, P.**, 2021. Beyond the problem of bone surface preservation in taphonomic studies of Early and Middle Pleistocene open-air sites. In E. López-Romero González de la Ajeja (ed.): *VVAA: 2nd Iberian Zooarchaeology Meeting 23rd -25th June 2021. Book of abstracts*, p. 6

[36] **Piqué, R., Berihuete-Azorín, M., Franch, A., Gassmann, P., Girbal, J., Herrero-Otal, M., López-Bultó, O., Palomo, A., Rageot, M., Revelles, J., Romero-Brugués, S.**, 2021. Woody and non-woody forest raw material at the early Neolithic site of La Draga (Banyoles, Spain). The missing woodland resources: Archaeobotanical studies of the use of plant raw materials, (Vol. 6). *Barkhuis*.

[37] **Ramírez-Pedraza, I., Rivals, F., Aouraghe, H., Tornero, C., Martínez-Martínez, L., Estebananz, F., Rodríguez-Hidalgo, A., van der Made, J., Oujaa, A., Haddoumi, H., Aissa, A. M., Chacón, M. G., Sala-Ramos, R.**, 2021. Feeding behavior of macaque from the Plio-Pleistocene site Guefaït-4.2 (Eastern Morocco) through dental microwear and stable isotopes. 11th ESHE: European Society for the study of Human Evolution 2021. September 24 - 25. *Book of Abstracts PaleoAnthropology 2021:1*, p. 238

[38] **Ramírez-Pedraza, I., Rivals, F., Aouraghe, H., Tornero, C., Rodríguez-Hidalgo, A., van der Made, J., Oujaa, A., Haddoumi, H., Aissa, A. M., Chacón, M. G., Sala-Ramos, R.**, 2021. Feeding behavior of Hipparion sp. from the Plio-Pleistocene site Guefaït-4.2 (Jerada, Eastern Morocco): insight from dental wear analysis. In E. Vlachos, C. Penélope Cruzado, V.D. Crespo, M. Ríos Ibanez, F.A.M. Arnal, J.L. Herraiz, F. Gascó-Lluna, R. Guerrero-Arenas, R., H.G. Ferrón (eds.): *Book of Abstracts of the 3rd Paleontological Virtual Congress (December 1 -15)*, p. 272

[39] **Rodríguez Hidalgo, A.**, 2021. Apéndice I. Análisis de la fauna documentada en las excavaciones. In A. González Ruibal, X. Ayán, A. Falquina, M.A. Franco, P. Gutiérrez de León, M. Hattori, C. Incio, C. Marín, C., C. Martínez Barrio, (eds.): *Arqueología del Valle de los Caídos. Excavaciones y prospecciones en espacios de vida de presos, trabajadores y familiares. Ministerio de Presidencia*, pp.157-159

[40] **Rosell, J., Blasco, R.**, 2021. Elephants and humans in Iberia: a zooarchaeological approach. In G.E. Konidaris, R. Barkai, V. Turloukis, K. Harvati (eds.): *Human-elephant interactions: from past to present. Tübingen University Press*, pp. 177-200

[41] **Sahnouni, M., Parès, J.M., Duval, M., Cáceres, I., Harichane, Z., Van der Made, J., Pérez-González, A., Abdessadok, S., Kandi, N., Derradji, A., Medig, M., Boulaghraif, K., Chelli Cheheb, R., Semaw, S.**, 2021. Mise en évidence d'outils lithiques et de traces de découpe datés de 2,44 et de 1,92 millions d'années dans le site d'Ain Boucherit (Sétif, Algérie) et leurs implications pour la première occupation

humaine en Afrique du Nord. In Le Quaternaire Des Bassins Méditerranéens. Recueil de Notes Sélectionnées au Workshop sur la Géologie du Quaternaire de l'Algérie, Sétif 4-5 Décembre 2019. Ministère de l'Energie et des Mines. Agence du Service Géologique de l'Algérie. Comité de Stratigraphie de l'Algérie, pp. 55-72

[42] **Sala-Ramos, R.**, Djindjian, F., **Rodríguez, X.P.**, **Carbonell, E.**, 2021, Georges Laplace (1918-2004). Typologie analytique et Synthétype. In F. Djindjian (ed.): Historiographie de préhistoriens et de protohistoriens français du XX siècle - Proceedings of the XVIII UISPP World Congress (4-9 June 2018, Paris, France), 19, pp. 22-29

[43] Soto, M., Morales, J.I., **Chacón, M.G.**, Aouraghe, H., **Sala-Ramos, R.**, 2021. MOBILITHICS: A multi-scalar project for characterizing the stone resources exploitation in Eastern Morocco. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 47

[44] Soto, M., **Arteaga, A.**, **Mosquera, M.**, **Ollé, A.**, **Vallverdú, J.**, 2021. Neogene chert exploitation at sub-unit TD10.2 (Atapuerca, Burgos). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 90

[45] **Télez, E.** **Saladié P.** **Pineda, A.** **Marín, J.** **Chacón, M. G.**, **Vallverdú, J.**, 2021. Neanderthals and Fire: inferring its reuse in Abric Romaní site (Capellades, Barcelona) through the colours of burned bones. In E. López-Romero González de la Ajeja (ed.): VVAA: 2nd Iberian Zooarchaeology Meeting 23rd -25th June 2021. Book of abstracts, p. 6-7

[46] van der Made, J., Boulaghrif, K., Chelli Cheheb, R., Parès, J.M., **Cáceres, I.**, Semaw, S., Sahnouni, M., 2021. The North African earliest Pleistocene faunal sequence: from biostratigraphy to biochronology. In Le Quaternaire Des Bassins Méditerranéens. Recueil de Notes Sélectionnées Au Workshop Sur La Géologie Du Quaternaire de l'Algérie, Sétif 4-5 Décembre 2019. Ministère de l'Energie et des Mines. Agence du Service Géologique de l'Algérie. Comité de Stratigraphie de l'Algérie. Mémoire du Service Géologique de l'Algérie, 22, pp. 73-90

[47] Vigara-Rodríguez, N., Fernández-Marchena, J.L., **Rabuñal, J.R.**, Soto, M., Morales, J.I., **Soares, M.**, **Vallverdú, J.**, 2021. What happens with endscrapers? Contributions from traceology to the behavior of the Magdalenian groups of the Cova de Les Borres (La Febró, NE Iberia). In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, pp. 175-176

[48] **Yesilova, G.C.**, **Ollé, A.**, **Vergès, J.M.**, 2021. An archaeostratigraphic study for the MIS 11 site of La Cansaladeta (Tarragona, Spain). Techno-spatial investigation through refit / conjoin connections of the archaeological levels D-E-I-J. In: Bouzouggar, A. et al. (Eds.): Evolution des Sociétés Humaines de la Préhistoire à la Protohistoire. UISPP2021 Book of Abstracts. Meknès, pp. 221-222

[49] **Yeşilova, G.C.**, **Ollé, A.**, **Vergès, J.M.**, 2021. The moments of levels E and J, MIS11 - La Cansaladeta (Tarragona, Spain). Techno-spatial investigation through refit / conjoin connections with the archaeostratigraphic perspective. In B. Gómez De Soler, M. Soto, M. Gema Chacón, M. Soares Remiseiro (eds.): Book of Abstracts. Rock and Roll: 13th International Symposium on Knappable Materials, p. 126

Books

- [1] **Agusti, J.**, 2021. Genes cerebros y símbolos. Tusquets eds. 303 pp.
- [2] **Gómez de Soler, B.**, Soto, M., **Chacón, M.-G.**, **Soares, M.** (eds). 2021. Rock and Roll: 13th International Symposium on Knappable Materials. Multi-scalar Characterization of Raw Materials. 277 p. ISBN: 978-84-09-33737-8
- [3] **López-Polín, L.**, **Moreno-Ribas, E.**, **Díaz-Cortés, A.**, **Valtierra, N.** (eds.) Octubre 2021. RCR HUESO: 1a reunión conservación y restauración de hueso ISBN: 978-84-09-34879-4

Datasets

- [1] **Berihuete-Azorín, M.**, Hallama, M., López-Dóriga, I., Arranz-Otaegui, A., Ochoa, JJ., 2021. Database_archaeobotanical_USOs. Retrieved from osf.io/af3sz
- [2] **García-Medrano, P.**, 2021. Western European Acheulean: 3D models of handaxes and cleavers. Zenodo, <https://doi.org/10.5281/zenodo.4565950>
- [3] **García-Medrano, P.**, 2021. 3D Models from La Noira site (Central France). Zenodo, <https://doi.org/10.5281/zenodo.4415985>
- [4] **Lombao D.**, Rabuñal, J.R., **Morales, J.I.**, **Ollé, A.**, **Carbonell, E.**, **Mosquera, M.**, 2021. 3D models of cores from Gran Dolina -TD6.2 (Sierra de Atapuerca, Burgos, Spain). Zenodo, <https://doi.org/10.5281/zenodo.4680626>
- [5] **Rivals, F.**, 2021. Dental microwear and mesowear raw data for *Equus ferus* and *Rangifer tarandus* from Sesselfelsgrötte. Zenodo, <https://doi.org/10.5281/zenodo.4756099>

Editorial Work

Guest Editor Volumes

Advances in Archaeobotany, Barkhuisl,
1 volume (not specified); researcher: **Marian Berihuete-Azorín**

Applied Sciences

Jordi Revelles (ed.) Special Issue Archaeoecology. The Application of Palaeoenvironmental Sciences for the Reconstruction of Human-Environment Interactions

Archaeological and Anthropological Sciences

Chacón, M.G., Rivals, F. & Conard, N.C. (eds.) Settlement Dynamics of the Middle Stone Age and Middle Paleolithic

1 volume (not specified); researcher: **Juanma López**

Comptes Rendus Palevol.

Rodríguez-Álvarez X.-P., Otte M., Lombera-Hermida A. D. & Fábregas-Valcarce R. (eds.) Palaeolithic of Northwest Iberia and beyond: multidisciplinary approaches to the analysis of Late Quaternary hunter-gatherer societies

Journal of Human Evolution

Paula García Medrano et al. (eds.) Virtual Special Issue Humans in Transition

Scientific Reports,

1 volume (not specified); researcher: **Ruth Blasco**

Editorial Board Positions

Quartär; researcher: **María Gema Chacón**

Peer Community journal (PCI Archaeology); researcher: **Ruth Blasco**

Scientific Reports; researcher: **Ruth Blasco**

Associate Editor Positions

Frontiers in Ecology and Evolution - Florent Rivals

Journal of Archaeological Science: Reports - Ruth Blasco

Open Archaeology - Marian Berihuete-Azorín

Quaternary International - Marian Berihuete-Azorín

Treballs d'Etnoarqueologia - Marian Berihuete-Azorín

Activity as Referees

Referrals in Journals with Impact Factor

American Journal of Biological Anthropology - 1 article reviewed
American Journal of Human Biology - 3 articles reviewed
Anatomical Record - 1 article review
Archaeological and Anthropological Sciences - 11 articles reviewed
Archaeometry - 1 article reviewed
Asian Herpetological Research - 2 articles reviewed
Biology - 1 article reviewed
Boreas - 1 article reviewed
Catena - 1 article reviewed
Cretaceous Research - 1 article reviewed
Environmental Research - 1 article reviewed
Forensic Sciences - 1 article reviewed
Frontiers in Ecology - 1 article reviewed
Geobios - 1 article reviewed
Historical Biology - 4 articles reviewed
Human Ecology - 1 article reviewed
International Journal of Osteoarchaeology - 4 articles reviewed
Journal of Archaeological Method and Theory - 1 article reviewed
Journal of Human Evolution - 16 articles reviewed
Journal of Quaternary Science - 1 article reviewed
Journal of South American Earth Sciences - 1 article reviewed
Land - 1 article reviewed
Laterality - 1 article reviewed
Lethaia - 1 article reviewed
Nature Plants - 1 article reviewed
Nature Ecology and Evolution - 1 article reviewed
Palaeogeography, Palaeoclimatology, Palaeoecology - 4 articles reviewed
Paläontologische Zeitschrift - 1 article reviewed
Palynology - 1 article reviewed
PLOS ONE - 3 article reviewed
PNAS - 1 article reviewed
Proceedings of the Royal Society B, Biological Sciences - 1 article reviewed
Rivista Italiana di Paleontologia e Stratigrafia - 1 article reviewed
Russian Journal of Theriology - 1 article reviewed
Quaternary International - 12 articles reviewed
Quaternary Research - 1 article reviewed
Quaternary Science Reviews - 6 articles reviewed
Science - 1 article reviewed
Scientific Advances - 1 article reviewed
Scientific Reports - 6 articles reviewed
Symmetry - 1 article reviewed
The Holocene - 1 article reviewed
Trabajos de Prehistoria - 3 article reviewed

Referrals in Journals without Impact Factor

Anthropology and Ethnology Open Access Journal - 1 article reviewed
Archaeofauna. International Journal of Archaeozoology - 1 article reviewed
Archivo de Prehistoria Levantina - 1 article reviewed
Bulletin of The International Association of Paleodontology - 1 article reviewed
Complutum - 1 article reviewed
Comunicações Geológicas - 1 article reviewed
Ecologies - 1 article reviewed
Journal of Archaeological Science: Reports - 7 articles reviewed
Journal of Field Archaeology - 1 article reviewed
Journal of Palaeolithic Archaeology - 1 article reviewed
Journal of Paleontological Techniques - 1 article reviewed
Journal of Scientific Research and Reports - 1 article reviewed
Lithics: the journal of the Lithic Studies Society - 2 articles reviewed
Lybian Studies Review - 1 article reviewed
Revista PH - 2 articles reviewed
Open Archaeology - 1 article reviewed
Quaternary - 5 articles reviewed

Referrals of Scholarships & Projects from Other Institutions

National institutions

Agencia Estatal de Investigación (AEI) - PHA ARQ - 19 scholarships
Agencia Estatal de Investigación, área PHA ARQ - 21 projects
Agencia Nacional de Evaluación y Prospectiva - 1 project
IkerBasque Research Fellow - 1 scholarship
Ministerio de Ciencia e Innovación - 5 projects
Universitat de Girona - 20 scholarships

International institutions

Deutscher Akademischer Austauschdienst (Germany) - 2 projects
Deutsche Forschungsgemeinschaft, German Research Foundation (Germany)
- 1 scholarship
European Research Council (EU) - 1 project, 12 MSCA fellowships
Irish Research Council (Ireland) - 1 project
Israel Science Foundation (Israel) - 1 project
Leakey Foundation (US) - 7 scholarships
Leakey Foundation (US) - 2 projects
Minnesota University (Fulbright Visiting Scholar Program; US) - 1 scholarship
National Science Centre (Poland) - 1 project
Swiss National Science Foundation (Switzerland) - 1 project

Dissemination

Conferences & Seminars Organised at IPHES-CERCA

The Past and Present Kingdom of Carnivores: Taphonomy, Eco-ethology, Biodiversity. Implications on the Human Behaviour (TAPHEN)

Date: 26/05/2021, online format

Organizers: **Blasco, R.**, Brugal, J.P., Daura Luján, J., Fourvel, J.B., **Rosell, J.**, Sanz Borràs, M.

The aim of the conference was to update the state of the art about the topic of human-carnivore interactions from Prehistory to the present. The meeting was open to all disciplines whose main object of study was carnivores: taphonomy, ethology, ecology, paleontology, archaeology, biology, etc. It was organized in the framework of the Working Group in Carnivores, which is coordinated by the IPHES as part of the TAPHEN project hosted in Aix-Marseille University. After several delays due to the pandemic, it was finally celebrated on May 26th in an online format with a single session. A total of 12 selected oral contributions were presented, which were attended by 53 researchers of 27 different institutions.

Rock and Roll: 13th International Symposium on Knappable Materials

Date: 04-07/10/2021, online format

Organizers: **Gómez de Soler, B.**, Soto, M., **Chacón, M.G.**, **Soares Remiseiro, M.**, **Altès, V.**, **Fontanals, M.**

Collaborating Institutions: Universitat Rovira i Virgili, Institució CERCA, Excellence Maria de Maeztu program, Faculty of Philosophy and Letters of the Universidad Autónoma de Madrid, Agència de Gestió d'Ajuts Universitaris i de Recerca

This conference was organized under the theme of Multi-scalar Characterization of Raw Materials, and aimed at highlighting that a holistic approach, through macro and microscopic characterization complemented with geochemical analyses, can be the optimal research scenario to delve into the knowledge on provenance, exploitation and management of raw materials by hominin groups, during any given culture or period. The Symposium was structured in five themes (Characterization Approaches, Procurement Strategies, Lithic Technology, Experimental Knapping and Lithic Taphonomy, and Social Aspects of Stone Tools) which grouped a total of 16 sessions in four days. A total of 66 talks were given, and 62 posters were presented, with 198 participants of all over the world.

Social media channels:  @13iskm  @13iskm2021

4t Seminari d'Arqueobotànica - Tardor 2021

Date: 26-28/10/2021, hybrid format
Organizers: Mas, B., **Bianco, S.**

This yearly seminar (2017-2021) aims at sharing archaeobotany-related research carried out by researchers and students. It was organized in 3 sessions. During the first session the invited speakers Marta Alcolea (Universitat Autònoma de Barcelona) and Llorenç Picornell-Gelabert (Universitat de les Illes Balears) gave a talk on dendroanthracology under the title: "Theory, methods, and application of landscape ecology: dendroanthracology". There was also a practical short course on dendrological sampling by Sabrina Bianco and Bàrbara Mas. During the second day there were several talks on different studies carried out by researchers and students. The third day there was a field trip to Collserola Park (Barcelona) guided by Santiago Riera (Universitat de Barcelona).

I reunión conservación y restauración de hueso (RCR)

Date: 26-28/10/2021, online format
Organizers: **López-Polín, L., Díaz Cortés, A., Moreno, E., Valtierra, N.**

This meeting aimed at bringing together works about conservation of osseous materials, including the systematic research on such materials, their degradation their conservation and practical study cases. On the first day, presentations focused on direct interventions on older fossil materials. Second day was dedicated to presentations on similar interventions but on more recent materials. Third day focused on works mostly related to research and conservation protocols. There were 22 oral communications and 11 posters presented, and 92 authors contributed to the book of abstracts. The meeting was held in Spanish, and the participants were mostly from Spain and Latin American countries. An average of 56 participants were connected to each of the sessions.

Social media channels:  @rcrhueso  @rcrhueso



Communications at Conferences & Symposiums

National Events

VI Bioarcheology OIKOS Meeting

Venue: Barcelona

Date: 28/05/2021 - 29/05/2021

Organizers: **Allué, E., Burguet-Coca, A., Burjachs, F.**, Garcia Petit, L., Nieto Espinet, A., Pecci, A., Saña-Seguí, M., Valenzuela-Lamas, S.

[1] Authors: **Martínez-Polanco, M. F., Bañuls-Cardona, S., Díez-Canseco C.**, Gallego A., **González-Guarda, E.**, Jiménez, S., Livraghi, A., **Messana, C.**, Orozco, M., **Ramírez-Pedraza, I.**, Sánchez-Hernández, C., Sierra, A., **Tornero, C., Rivals, F.**

Oral communication: What else we can learn from a tooth?: Experiences at IPHES-CERCA Biomolecular Laboratory

[2] Authors: Riera, S., Castellano, A., Cruells, J., **Bianco, S.**, Nadal, J., Lloveras, LL., Alonso, N., Tarongi, M., Bros, V., **Burguet-Coca, A.**

Oral Communication: Bioarqueologia multidisciplinar aplicada a la recuperació de l'Hort Petit i l'alimentació del Monestir de Pedralbes (Barcelona)

[3] Authors: Grandí, F., **Cáceres, I., Gómez De Soler, B., Campeny, G., Agustí, J.**

Oral Communication: Looking for Bacterias: The case of the Pliocene site of Camp Dels Ninots (Caldes de Malavella, Girona, Spain)

[4] Authors: Del Valle, H., **Cáceres, I., Tornero, C., Burguet-Coca, A.**, Moclán, A., Vergès, J.M.

Oral Communication: Diagénesis del hueso en conjuntos de fumier, procesos tafonómicos y optimización de muestras bioarqueológicas. El caso de la cueva de El Mirador (Atapuerca, Burgos)

[5] Authors: **Martín, P., Messana, C.**, Di Simone, G., **Allué, E., Expósito, I., Ollé, A., Vergès, J.M.**, Forgia, V.

Oral Communication: Pràctiques ramaderes i aprofitament dels recursos naturals al massís de Le Madonie (Sicília, Itàlia)

[6] Authors: **Revelles, J., Allué, E.**, Alcolea, M., **Expósito, I.**, Mas, B., Piqué, R., Obea, L., Val-Peón, C., **Burjachs, F.**

Oral Communication: Potencial paleoecològic i arqueobotànic dels jaciments en cova i abric al nord-est de la Península Ibèrica

XXIV Bienal de la Real Sociedad Española de Historia Natural

Venue: Valencia

Date: 8/09/2021 - 11/09/2021

Organizers: García Forner, A., Guara Requena, M., Güemes Heras, J., Conejero-Ortega, N., Díaz Acha, Y.

Authors: **Campeny Vall-Ilosera, G.**, Casanovas, J., Fernández López, A., Font Farré, A., Gil Delgado, A., **Gómez de Soler, B.**, González Frías, V., Margalef, O., Schneider Pérez, I., Oms, O., Pla Rabés, S., Rodríguez Salgado, P.

Poster: Diatoms and environmental changes of the Can Cateura core during the Pliocene (Camp dels Ninots, Caldes de Malavella)

XV Congreso Nacional de la AEET

Venue: Plasencia (Cáceres)

Date: 18/10/2021 - 21/10/2021

Organizers: Schöb, C., Rodríguez-Echeverría, S., Moreno, G., Lloret, F., Escudero, A., Godoy, O., Bartomeus, I.

Authors: Rodríguez-Gómez, G., Palmqvist, P., Bermúdez de Castro, J. M., García-Aguilar, J. M., Espigares, M. P., Ros-Montoya, S., Salvador, M., Martín-González, J., Granados, A., Serrano, F. J., **Martínez-Navarro, B.**

Poster: Disponibilidad de recursos cárnicos y reconstrucción de las primeras poblaciones humanas de Europa Occidental

I reunión conservación y restauración de hueso (RCR)

Venue: IPHES (Tarragona, Spain), online

Date: 26/10/2021 – 28/10/2021

Organizers: López-Polín, L., Díaz Cortés, A., Moreno, E., Valtierra, N.

[1] Authors: **Cazalla, I., Gómez-Merino, G., Blasco, R., Rivals, F., Rosell, J.**

Oral Communication: El efecto de las limpiezas químicas en material óseo fósil: El caso de la Cova de les Teixoneres (Moià, Barcelona)

[2] Authors: **Gómez-Merino, G., Lorenzo, C.,** Ros-Montoya, S., Espigares, M.P., **Sala-Ramos, R., Martínez-Navarro, B.**

Poster: Restauración virtual de una mandíbula infantil de *Mammuthus meridionalis* del yacimiento de Fuente Nueva 3 (Orce, Granada)

[3] Authors: **López-Polín, L., Moreno-Ribas, E., Díaz Cortés, A., Valtierra, N., Cazalla, I.,** Jiskoot, J., Sicilia, B., Montemayor, A., Gómez, L., Pineda, A., **Ollé, A., Vallverdú, P., Saladié, P.**

Oral Communication: Los tratamientos de conservación-restauración de los restos faunísticos pleistocenos del Barranc de la Boella

[4] Authors: Gómez-Morgado, L., **López-Polín, L., Vallverdú, J., Saladié, P.**

Poster: Técnicas de restauración virtual aplicadas a dos defensas de mamut del Barranc de la Boella

[5] Authors: **Moreno-Ribas, E., Cazalla, I., López-Polín, L.,** Roubach, S., **Campeny Vall-Lloera, G., Gómez de Soler, B.**

Oral Communication: Del volcán al museo. Conservación y restauración de material paleontológico de Camp dels Ninots (Caldes de Malavella, Girona)

International Events

Human societies and environments in the circum-Mediterranean area, from the Pleistocene to the early Holocene Congress (Colloque en hommage à Emilie Campmas)

Venue: University of Toulouse Jean Jaurès, Toulouse (France)

Date: 08/03/2021 - 09/03/2021

Organizers: Boudadi-Maligne, M., Campmas, A., Costamagno, S., Daujeard, C., Douze, K., Fernandez, P., Feyfant, L., Lacarrière, J., Lefèvre, D., Lejay, M., Pétilion, J.M., Stoetzel, E., Val, A.

[1] Authors: **Chacón, M.G.,** Aouraghe, H., Morales, J.I., **Tornero, C.,** Soto, M., **Rodríguez-Hidalgo, A., Saladié, P., Lombao, D., Canals, A., Díez-Canseco, C.,** García-Argudo, G., **Marín, J., Expósito, I., Allué, E., Ramírez, I., Moreno, E.,** Benito-Calvo, A., Arnold, L., Demuro, M., Duval, M., Parés, J.M., Bartrolí, R., de Lombera, A., Farkouch, M., Aissa, A.M., Tomasso, S., Souhir, M., Mhamdi, H., Oujaa, A., Bengamra, S., Haddoumi, H., **Sala-Ramos, R.**

Oral Communication: Homo sapiens occupations and territory exploitation in Eastern Morocco (Jerada Province)

[2] Authors: Monod, H., Borel, A., Nespoulet, R., **Ollé, A.**

Oral Communication: Contribution à la compréhension du Middle Stone Age en Afrique du Nord par l'analyse tracéo-fonctionnelle de l'assemblage Atérien de l'Oued Djouf el Djemel

[3] Authors: Rufà, A., Laroulandie, V., **Blasco, R.**

Oral Communication: Does size matter? Unravelling taphonomic alterations on bird bones produced by the Eagle Owl (*Bubo bubo*)

Forensic Archaeology SIG 2021: 1st Annual Virtual Poster Conference

Venue: Virtual event

Dates: 08/03/2021 - 09/03/2021

Organizers: Chartered Institute for Archaeologists (United Kingdom)

[1] Authors: **Del Bove, A.**, Profico, A., **Lorenzo, C.**

Poster: Automatic protocol to detect sexual dimorphic traits in human cranium

[2] Authors: **Marginedas, F.**, **Saladié, P.**, **Rodríguez-Hidalgo, A.**, **Moreno-Ibáñez, M.A.**

Poster: Once there were cannibals. Distribution And frequency of butchery signals on human post cranial remains from El Mirador Cave

[3] Authors: **Moreno-Ibáñez, M.A.**, **Saladié, P.**, **Marginedas, F.**, Morales, J.I.

Poster: Identification of fleshed pre-burning condition of the human remains from Cova Foradada (Calafell, Spain) through taphonomic analysis

Bioarchaeology Early Career Conference 2021 (BECC)

Venue: Virtual event

Date: 25/03/2021 -28/03/2021

Organizers: Hay, M., Weale, M., Church, E.

Authors: **Messana, C.**, **Tornero, C.**, Colominas, L., Pons, E.

Poster: Recostruction of pastoral systems and livestock practices through isotopic analyses: the case of the Iron Age rural settlement of Mas Castellar de Pontós (Girona, Spain)

62nd Obermaier Annual Meeting

Venue: Virtual event

Date: 06/04/2021 - 08/04/2021

Organizers: Moravské zemské muzeum (Moravian Museum), Hugo Obermaier Foundation

[1] Authors: **Chacón, M.G.**, Aouraghe, H., Soto, M., Morales, J.I., **Tornero, C.**, Haddoumi, H., Rodríguez-Hidalgo, A., **Saladié, P.**, **Lombao, D.**, **Canals, A.**, Benito-Calvo, A., **Marín, J.**, **Expósito, I.**, **Allué, E.**, **Díez-Canseco, C.**, García-Argudo, G., Souhir, M., Moreno, E., Bartrolí, R., Farkouch, M., Arnold, L., Demuro, M., Duval, M., Aissa, A.M., de Lombera, A., Tomasso, S., Oujaa, A., Bengamra, S., **Sala-Ramos, R.**

Poster: Homo sapiens open-air occupations in Eastern Morocco (Jerada Province)

[2] Authors: **Rivals, F.**, Rabinovich, R., Khalaily, H., Valla, F., Bridault, A.

Oral Communication: Ungulates paleodiet and seasonality in the Final Natufian assemblage from Eynan/Mallaha (Northern Jordan Valley, Israel)

European Geosciences Union General Assembly 2021 (vEGU21)

Venue: Virtual event

Date: 19/04/2021 - 30/04/2021.

Organizers: van der Beek, P., Montanari, A., Glaves, H.M., Panieri, G., Jacobs, P., Courtial, P., Rasmussen, M., Gänger, K.

Authors: Biltekin D., **Burjachs F.**, **Vallverdú, J.**, Sharp, W.D., Mertz-Kraus, R., **Chacón, M.G.**, **Saladié, P.**, Bischoff, J.L., **Carbonell, E.**

Oral Communication: Paleoclimate and vegetation reconstruction of Abric Romani (Capellades, Spain) during MIS-3, 4, and MIS-5 (a-d)

SAA 86th Annual Meeting

Venue: Virtual event

Date: 15/04/2021 - 17/04/2021

Organizers: Society for American Archaeology

Authors: Fábregas-Valcarce, R., de Lombera-Hermida, A., Garcia-Diez, M., **Rodríguez, X.P.**, **Viñas, R.**

Oral Communication: On the Margin, Marginal Too? A Western Outpost of Paleolithic Cantabrian Cave Art (NW Iberia)

Human Origins in Action: An International Exploration of Science, Society, and Culture

Venue: Virtual event

Date: 18/05/2021 - 20/05/2021

Organizers: Larter, F., Mercader, J.

[1] Authors: **Akuku, P.**

Oral Communication: Animal bones the keepers of history

[2] Authors: **Chacón, M.G.**

Oral communication: Deciphering human settlement patterns in Eastern Morocco during the Quaternary

[3] Authors: **Hernando, R.**

Oral communication: Tracking the diet of the first farmers from the Iberian Peninsula: Methodologies and perspectives

[4] Authors: **Rodríguez, X.P.**

Oral Communication: The social dimension of the Atapuerca Research Project

[5] Authors: **Saladié, P., Ollé, A.**

Oral Communication: Technological evolution and subsistence in the Sierra de Atapuerca during the Pleistocene (Burgos, Spain)

Bioant Talk's - Virtual Osteology Conference

Venue: Virtual event

Dates: 24/05/2021 - 28/05/2021

Organizers: Simmons-Ehrhardt, T., O'Mahoney, T., Godinho, R.

[1] Authors: **Del Bove, A., Profico, A., Lorenzo, C.**

Oral Communication: Quantitative 3D mapping of sexual dimorphism traits in the human cranium

29e Congrès Préhistorique de France Hiatus, lacunes et absences : identifier et interpréter les vides archéologiques (CPF 2021)

Venue: Virtual event

Date: 31/05/2021 - 4/06/2021

Organizers: Cauliez, J., Costamagno, S., Manen, C., Milcent, P.Y., Nordez, M., Perrin, T., Pétilion, J.M., Renard, C., San-Juan, C., Valdeyron, N.

Authors: Vignes, M.P., Vettese, D., Daujeard, C., **Marín, J.**, Pois, V., Moncel, M.H.

Oral Communication: Analyse spatiale des restes fauniques du niveau 4.2 de l'Abri du Maras (Ardèche, MIS 3) : méthode et application pour l'interprétation des stratégies de subsistance néandertaliennes

9th Developing International Geoarchaeology Conference (DIG2021)

Venue: Virtual event

Date: 17/05/2021 - 19/05/2021

Organizers: Aldeias, V., Barbieri, A., Duarte, C., Ferro-Vázquez, C., Murphree, C., Schilt, F.,

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

Poster: Reconstructing the Holocene palaeoenvironmental evolution of Corsican wetlands based on palaeobiological proxies

2nd Iberian Zooarchaeology Meeting (EZI)

Venue: Madrid

Date: 23/06/2021 - 25/06/2021

Organizers: Morales Muñoz, A., Moreno García, M., Liesau von Lettow-Vorbeck, C., Llorente Rodríguez, L., Daza-Perea, A., López-Romero González de la Aleja, L., Boneta Jiménez, I., Baquedano, E., Consuegra, S.

[1] Authors: **Díez-Canseco, C.**, Aguilera, M., **Tornero, C.**

Poster: Testing intra-tooth isotopic ($\delta^{13}\text{C}$ & $\delta^{15}\text{N}$) sampling strategies on dentine: a new experimental study with modern sheep herds

[2] Authors: Mocán, A., **Huguet, R.**, Pérez-González, A., Arsuaga, J.L., Baquedano, E.

Poster: A taphonomic approximation to Navalmaíllo Rock Shelter: the use of large-sized animal bones as bone retouchers

[3] Authors: **Martín, P., Tornero, C., Vergès, J.M.**

Oral Communication: The beginnings of livestock management in the Submeseta Norte region (6th and 5th cal BC). Isotopic study of the sheep remains in the cave of El Mirador (Sierra de Atapuerca, Burgos)

[4] Authors: **Pineda, A., Saladié, P.**

Oral Communication: Beyond the problem of bone surface preservation in taphonomic studies of Early and Middle Pleistocene open-air sites

[5] Authors: Lubrano, V., Rufà, A., **Blasco, R., Rivals, F., Rosell, J.**

Oral Communication: The features of Neanderthal occupations. The zooarchaeological study of Teixoneres Cave Unit III to create a statistical model to define the duration of human occupations during the Middle Paleolithic

[6] Authors: **Téllez, E., Saladié, P., Pineda, A., Marín, J., Chacón, M. G., Vallverdú, J.**

Poster: Neanderthals and Fire: inferring its reuse in Abric Romaní site (Capellades, Barcelona) through the colours of burned bones

[7] Authors: **Tornero, C., Bañuls-Cardona, S., Díez-Canseco, C., González-Guarda, E., Martínez-Polanco, M. F., Messana, C., Ramírez-Pedraza, I., Sánchez-Hernández, C., Livraghi, A., Micó, C., Rivals, F.**

Oral communication: Stable isotopes, dental microwear and cementum studies on zooarchaeological faunal remains: telling tales of matches

18th Conference of the European Association of Vertebrate Palaeontologists (EAVP)

Venue: Virtual event

Date: 29/06/2021 - 04/07/2021

Organizers: Belvedere, M., Díez Díaz, V., Sardella, R.

[1] Authors: **Bañuls-Cardona, S., Rivals, F., Vallverdú, J.**

Poster: A new quantitative method for dental mesowear analysis on *Apodemus sylvaticus* (rodentia, murinae)

[2] Authors: García Morato, S., Marín Monfort, D., **Bañuls-Cardona, S.**, Cuenca Bescós, G., **Vergès, J.M.**, Fernández Jalvo, Y.

Poster: Small mammal taphonomy from Chalcolithic and middle Bronze Age levels from el Mirador cave (Sierra de Atapuerca, Burgos, Spain)

IX Congreso Internacional Multidisciplinar de Investigación Educativa

Venue: Virtual event

Date: 01-02/07/2021

Organizers: Asociación Multidisciplinar de Investigación Educativa

Author: **Guardiola, M.**

Oral Communication: IPHES A LES ESCOLES: 10 años llevando la investigación a las escuelas

9th Postgraduate ZooArchaeology Forum (PZAF)

Venue: Virtual event

Date: 25/06/2021 -27/06/2021

Organizers: Marković, D., Mladenović, T., Mladenović, M., Kokanović, M., Popović, P., Grujić, D.

Authors: **Messana, C., Tornero, C.**, Colominas, L., Pons, E.

Oral Communication: An insight of sheep's seasonal reproductive pattern on the northeastern Iberian Peninsula before the Roman influence: The Case of the Iron Age rural settlement of Mas Castellar de Pontós (Girona, Spain)

10th Meeting of the ICAZ Bird Working Group

Venue: Virtual event

Date: 05/06/2021 - 6/06/2021

Organizers: Bird Working Group

Authors: **Marqueta, M., Huguet, R.,** Núñez-Lahuerta, C.

Poster: Accumulation agents and bird assemblages: the case from TE9d level at Sima del Elefante (Sierra de Atapuerca, Burgos)

UISPP XIX World Congress (2021)

Venue: Virtual event

Date: 02/09/2021 - 07/09/2021

Organizers: Bouzouggar, A., Boudad, L., Masrour, A., El Faleh El Mati, Atki, M., Bebaqqal, H., Segauoi, F.

[1] Authors: **Asryan, L., Ollé, A., Arteaga-Brieba, A., Martín-Viveros, J.I., Fernández-Marchena, J.L., Mosquera, M.**

Oral Communication: What does the functional study of the lithic artefacts of a kill-butchery site tell us? A case study from the Gran Dolina TD10.2 subunit (Atapuerca, Spain)

[2] Authors: Farkouch, M., Morales, J.I., Aouraghe, H., Soto, M., **Canals, A., Lombao, D., Haddoumi, H., Benito-Calvo, A., Souhir, M., Bartrolí, R., Arnold, L., Demuro, M., Oujaa, A., Tomasso, S., Sala-Ramos, R., Chacón, M.G.**

Poster: Technological behaviors and territory exploitation during the MSA in Eastern Morocco: Sahb el Ghar 1 & 2 open air-sites in chert procurement areas

[3] Authors: **Ollé, A.,** Fernández-Marchena, J. L., **Arroyo, A.,** Pedergrana, A., **Mosquera, M.**

Oral Communication: Current research on the function of Homo antecessor's stone tool assemblage (Gran Dolina- TD6, Atapuerca, Spain) A new insight from a multi-technique approach

[4] Authors: **Rosell, J., Blasco, R.,** Rufà, A., Picin, A., Arilla, M., **Ramírez-Pedraza, I.,** Pizarro-Monzo, M., **Chacón, M.G., Rivals, F.**

Oral Communication: Cave bears in the menu: hunting or scavenging at the Toll Cave (Moia, Barcelona, Spain)

[5] Authors: **Yesilova, G.C., Ollé, A., Vergès, J.M.**

Oral Communication: An archaeostratigraphic study for the MIS 11 site of La Cansaladeta (Tarragona, Spain). Techno-spatial investigation through refit / conjoin connections of the archaeological levels D-E-I-J

27th European Association of Archaeologists (EAA) Annual Meeting

Venue: Virtual event

Date: 06/09/2021 - 11/09/2021

Organizers: Arnsbach, B., Blankendeldt, R., Carnap-Bornheim, C.v., Eriksen, B., Hoffmann, A., Ickerodt, U., Müller, J., Staniuk, R., Weinelt, M.

[1] Authors: Allué, E., Buguet-Coca, A., Mas, B., Picornell-Gelabert, L.

Oral Communication: A multidisciplinary approach to fuel consumption: analysis of late prehistoric combustion features in NE Iberia and the Balearic Islands

[2] Authors: **Bianco, S., Riera Mora, S., Allué, E.,** Miró i Alaix, C.

Oral Communication: Fuelling the Roman Barcino (Barcelona, Spain). The contribution of charcoal analysis to approach the city's woodlands exploitation for firewood procurement

[3] Authors: López, O., **Berihuete-Azorín, M.**

Oral Communication: Digging in the shadows. Experimental use of tools

[4] Authors: Cuartero, F., Hortelano, L., Blasco, R., Fernández Peris, J.

Oral Communication: Tips for Beginners: First evidence of lithic weapons in the Mediterranean of the Iberian Peninsula at Cova del Bolomor (Valencia)

[5] Authors: Forgia, V., Burgio, A., Canale, A., **Martín, P., Messana, C., Allué, E., Vergès, J.M.**

Oral Communication: Pastoralism of the Past: Insights into Social, Cultural and Environmental (In)stability

- [6] Authors: **Moreno-Ibáñez, M.A., Saladié, P.**, Morales, J.I., Cebrià, A., Fullola, J.M.
Oral Communication: Forensic Taphonomy applied to commingled burials from the Neolithic - Chalcolithic: Differentiating moments of use
- [7] Authors: Forgia, V., **Ollé, A., Messana, C., Allué, E., Expósito, I.**, Martín, P., Di Simone, G., Arnone, M., López-García, J.M., **Vergès, J.M.**
Oral Presentation: Living in the mountains: settlement strategies from the beginning of the Holocene to modern times in Sicily
- [8] Authors: **Revelles, J.**, Ghilardi, M.
Oral Communication: Making visible the invisible. The role of geoarchaeology to reconstruct past human-environment interactions in Mediterranean Islands
- [9] Authors: Sierra, A., Balasse, M., **Rivals, F.**, Bréhard, S., Montes, L., Utrilla, P., Fiorillo, D., Saña, M.
Oral Communication: Unravelling modes of livestock management in the Central Pyrenees during the early Neolithic
- [10] Authors: **Tornero, C.**, Balasse, M., Navarrete, V., **Martín, P., Messana, C.**, Sierra, A., Fiorillo, D., Saña, M.
Oral Communication: Seasonal reproductive rhythms of early introduced sheep in the Iberian Peninsula: deciphering Neolithic pathways

16th International Luminescence and Electron Spin Resonance Dating conference (LED2021)

Venue: Virtual event

Date: 13/09/2021 - 17/09/2021

Organizers: Arnold, L., Bluszcz, A., DeWitt, R., Duller, G., Falguères, G., Jain, M., López, G.I., Morthekai, P., Porat, N., Tsukamoto S., Zhou, L.

Authors: Demuro, M., Arnold, L.J., Parés, J.M., Aranburu, A., **Huguet, R., Vallverdú, J.**, Arsuaga, J.L., Bermúdez de Castro, J.M., **Carbonell, E.**

Poster: New extended-range luminescence chronologies for the Middle Pleistocene units at the Sima del Elefante archaeological site (Sierra de Atapuerca, Spain)

9th International Bone diagenesis Meeting 2021

Venue: University of Évora, Évora (Portugal), hybrid

Date: 21/09/2021 -24/09/2021

Organizers: Maurer, A.F, Barrocas Dias, C, Jimenez, M.A., Barrulas, P., Fernandes, T.

Authors: Del Valle, H., **Díaz-Cortés, A., López-Polín, L., Cáceres, I.**

Poster: Assessing the effects of two nanoparticle based consolidants through diagenetic parameters

CALPE Conference 2021: Iberian Neanderthals

Venue: University of Gibraltar, Gibraltar

Date: 23/09/2021-26/09/2021

Organizers: Gibraltar National Museum

Authors: **Rosell, J., Blasco, R.**

Oral Communication: Neo-taphonomy of carnivores applied to Neanderthal contexts: the case of Toll and Teixoneres caves (Moià, Barcelona, Spain)

7th Portuguese Conference on Paleopathology

Venue: Virtual event

Date: 24/09/2021 - 25/09/2021

Organizers: Curto, A., Marques, C., Lopes, C., Relvado, C., Cortesão Silva, F., Curate, F., Assis, S., Matos Fernandes, T., Matos, V.

Authors: **Moreno-Ibáñez, M.A., Ramírez-Pedraza, I., Díez-Canseco, C., Saladié, P., Carbonell, E., Tornero, C.**

Poster: Healed and healing: Antemortem lesions from the prehistoric Roc de les Orenetes collective burial site (Queralbs, NE Iberian Peninsula)

11th European Society for the Study of Human Evolution (ESHE) Annual Meeting

Venue: Virtual event

Dates: 24/09/2021 - 25/09/2021

Organizers: European Society for the study of Human Evolution

[1] Authors: **Hernando, R.**, Fernández Marchena, J. L., Willman, J.C., Rabuñal, J.R., **Vergès, J.M., Ollé, A., Lozano, M.**

Poster: Easy, fast, and clear. Recognizing the role of the optical microscope for the quantification of human dental microwear

[2] Authors: **Ramírez-Pedraza, I., Rivals, F.**, Aouraghe, H., **Tornero, C.**, Martínez-Martínez, L., Estebaranz, F., **Rodríguez-Hidalgo, A.**, van der Made, J., Oujaa, A., Haddoumi, H., Aissa, A. M., **Chacón, M. G., Sala-Ramos., R.**

Poster: Feeding behavior of macaque from the Plio-Pleistocene site Guefaït-4.2 (Eastern Morocco) through dental microwear and stable isotopes

[3] Authors: **Suesta, A.**, García-Martínez, D., Albedessard, L., Modesto-Mata, M., **Del Bove, A., Lorenzo, C.**, Grimaud-Hervé, D.

Poster: A 3D morphometric approach to skull integration and modularity in Pan troglodytes and Homo sapiens

MedPalynoS 2021

Venue: Università Degli Studi Di Modena e Reggio Emilia, Modena (Italy)

Date: 06/09/2021 - 08/09/2021

Organizers: Mercuri, A.M., Lebreton, V., Testillano, P.S., Clo, E., Servera Vives, G., Torri, P.

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

Oral Communication: Palynological reconstruction of Late Holocene palaeoenvironmental evolution in Corsican coastal wetlands

VIII International Conference on Mammoths and Their Relatives

Venue: Indian Institute of Science, Bangalore (India), hybrid

Date: 24/09/2021 - 26/09/2021

Organizers: Sukumar, R., Patnaik, R.

Authors: **Rivals, F.**, Rabinovich, R.

Oral Communication: Dietary changes in Pliocene and Pleistocene proboscideans from the southern Levant

13th International Symposium on Knappable Materials (Rock and Roll)

Venue: IPHES (Tarragona, Spain), online

Date: 04/10/2021 - 07/10/2021

Organizers: Gómez de Soler, B., Soto, M., Chacón, M.G., Soares Remiseiro, M., Altès, V., Fontanals, M.

[1] Authors: **Arteaga-Briebe, A., Mosquera, M., Ollé, A.**

Poster: Connecting lithics: refits at Gran Dolina TD10.2

[2] Authors: Soto, M., **Arteaga-Briebe, A., Mosquera, M., Ollé, A., Vallverdú, J.**

Poster: Neogene chert exploitation at sub-unit TD10.2 (Atapuerca, Burgos).

[3] Authors: **Asryan, L., Ollé, A.**

Poster: Experimental and multi-technique approach with Cretaceous chert

[4] Authors: **Bargalló, A.**, Proffitt, T., de la Torre, I.

Poster: Characterizing stone tools made by novice: Flakes, Knapping sequence and gestures.

[5] Authors: Fernández-Marchena, J.L., **Ollé, A.**

Poster: What did we do with the methodology? Several reasons why we must rethink and adapt the traceological methodology to the sample analyzed

[6] Authors: **Gómez de Soler, B., Allué, E.**, Cámara, J., **Campeny, G., Chacón, M.G.**, Guinart, V., López, G., **Soares-Remiseiro, M.**, Soto, M., **Suesta, A., Vallverdú, J.**

Poster: Cal Sitjo: a new Mesolithic to Neolithic sequence in an abundance chert region (Sant Martí de Tous, Barcelona)

[7] Authors: **Lombao, D.**, Rabuñal, J.R., Cueva-Temprana, A., **Mosquera, M.**, Morales, J.I.

Poster: A 3D approach to measuring reduction intensity on cores: The Volumetric Reconstruction Method

[8] Authors: **Mateo-Lomba, P.**, **Ollé, A.**, **Cáceres, I.**

Poster: Bone toolmaking: a technological and functional methodology for the identification of knapped bones

[9] Authors: Farkouch, M., Morales, J.I., Aouraghe, H., Soto, M., **Canals, A.**, **Lombao, D.**, Haddoumi, H., Benito-Calvo, A., Souhir, M., Bartrolí, R., Arnold, L., Demuro, M., Oujaa, A., Tomasso, S., **Sala-Ramos, R.**, **Chacón, M.G.**

Poster: Core-reduction strategies in chert procurement areas during MSA in Eastern Morocco: Sahb el Ghar 1 & 2.1 open air sites

[10] Authors: Soto, M., Morales, J.I., **Chacón, M.G.**, Aouraghe, H., **Sala-Ramos, R.**

Oral Communication: MOBILITHICS: A multi-scalar project for characterizing the stone resources exploitation in Eastern Morocco

[11] Authors: Aldea-Moreira, X., **Rodríguez-Álvarez, X.P.**, de Lombera-Hermida, A.

Poster: Quartzite Management During the Middle and Upper Palaeolithic In Cova Eirós (Triacastela, Spain)

[12] Authors: de Lombera-Hermida, A., **Rodríguez-Álvarez, X.P.**, **Gómez de Soler, B.**

Oral Communication: The primary exploitation of Armorican Quartzite at the Costa Grande workshops and Valverde site (Monforte de Lemos, Galicia, NW Spain)

[13] Author: **Yesilova, G.C.**, **Ollé, A.**, **Vergès, J.M.**

Poster: The moments of levels E and J, MIS11 - La Cansaladeta (Tarragona, Spain).

Techno-spatial investigation through refit / conjoin connections with the archaeostratigraphic perspective

41st Nice Côte d'Azur International Meeting of Archaeology and History 2021

Venue: Maison de l'étudiant Olivier Chesneau, Nice (France)

Date: 11/10/2021 - 13/10/2021

Organizers: Nicoud, E., Balasse, M., Desclaux, E., Théry-Parisot, I.

Authors: **López-García, J.M.**, Povóas, L., Zilhão, J.

Oral Communication: Combining biotic proxies to reconstruct the environment of western Europe's Last Interglacial Neanderthals: the micromammal assemblage from Gruta da Oliveira (Torres Novas, Portugal)

2021 IEEE International Conference on Metrology for Archaeology and Cultural Heritage

Venue: Università Degli Studi di Milano (Italy)

Date: 20/10/2021 - 22/10/2021

Organizers: Daponte, P., Ferno, P., Comite, V., Es Sebar, L., Ricca, M., Guglielmi, V., Venuti, V., La Russa, M., Zanatta, M., Malagodi, M., Fedel, M., Cassioli, D., Di Pace, R., Colella, M.

Authors: **Valtierra, N.**, Courtenay, L.A., Fabregat-Sanjuan, A., **López-Polín, L.**

Poster: Cleaning archaeological bones: Influence of solvents and water on microhardness

Colloque: Préhistoire sous les tropiques - peuplements, adaptations, comportements en milieu tropical et subtropical sur le temps long

Venue: Musée de l'Homme, Paris (France)

Date: 03/11/2021 - 05/11/2021

Organizer: Pleurdeau, D., Lourdeau, A., Falgueres, C., Falgueres, C., Semah A.M., Semah, F., Vialou, D., Vilhena Vialou, A.

Authors: Monod, H., **Ollé, A.**, Borel, A., Nespoulet, R.

Oral communication: Des variabilités culturelles au Middle Stone Age en Afrique du Nord ? Intérêts d'une approche techno-fonctionnelle intégrée / The Middle Stone Age cultural diversity in North Africa? Interests of an integrated techno-functional approach

10° Convegno Nazionale di Archeozoologia (AIAZ - Associazione Italiana di Archeozoologia)

Venue: Santa Chiara Lab, Università di Siena (Italy), hybrid

Date: 03/11/2021-06/11/2021

Organizers: Abatino, C., Aniceti, V., Boschin, F., Crezzini, J., Rizzetto, M., Salvagno, L.

Authors: **Messana, C., Tornero, C.**, Colominas, L., Pons, E.

Poster: An insight of livestock feeding habits on the northeastern Iberian Peninsula before the Roman influence: the case of the Late Iron Age rural settlement of Mas Castellar de Pontós (Girona, Spain)

100xCiencia.5

Venue: Santiago de Compostela (Spain)

Date: 26-27/11/2021

Organizers: Salgado, C.A., Armesto, N., Gallas, A., Álvarez, J., Cortina, D., Ferreiro, E.G., Rodríguez, R., Mariño, B.M., Mora, E., Edelstein, J.

Author: **López-García, J.M.**

Oral communication: 2.6 Million years of global climate changes influencing fauna, flora and humans

XII Congreso Internacional para el Estudio de la Violencia contra Las Mujeres

Venue: FIBES, Sevilla (Spain)

Date: 08-09/11/2021

Organizers: Real Heredia, M.E., Nuñez Domínguez, T., Vera Balanza, T., Sell Trujillo, L., Valor Segura, I.

Author: **Lozano, M.**

Oral communication: El rol de las mujeres en la Prehistoria

3rd Paleontological Virtual Congress

Venue: Virtual event

Date: 01/12/2021 -15/12/2021

Organizers: Vlachos, E., Penélope Cruzado, C., Crespo, V.D., Ríos Ibanez, M., Arnal, F.A.M., Herraiz, J.L., Gascó-Lluna, F., Guerrero-Arenas, R., Ferrón, H.G.

[1] Authors: García Morato, S., Marín Monfort, D., **Bañuls-Cardona, S.**, Cuenca Bescós, G., **Vergès, J.M.**, Fernández Jalvo, Y.

Poster: Small mammal taphonomy from Late Pleistocene to Late Neolithic levels of el Mirador cave (Sierra de Atapuerca, Burgos, Spain)

[2] Authors: **Ramírez-Pedraza, I., Rivals, F.**, Aouraghe, H., **Tornero, C., Rodríguez-Hidalgo, A.**, van der Made, J., Oujaa, A., Haddoumi, H., Aissa, A. M., **Chacón, M. G., Salazar-Ramos, R.**

Oral Communication: Feeding behavior of Hipparion sp. from the Plio-Pleistocene site Guefaït-4.2 (Jerada, Eastern Morocco): insight from dental wear analysis

Congreso Internacional Arqueología y Dinamización Territorial

Venue: Zamora, hybrid

Date: 3/12/2021

Organizers: Asociación Científico-Cultural Zamora Protohistórica

Authors: **Vergès, J.M.**

Oral Communication: Viejos yacimientos, nuevas oportunidades: la Cova de la Font Major (Espluga de Francolí, Tarragona)

XXII Congreso Nacional de Arqueología Chilena

Venue: Universidad Austral, Puerto Montt (Chile), hybrid

Date: 06/12/2021 - 10/12/2021

Organizers: Sierralta, S., Cabello, C., Adán, L., Calás, E., Vergara, F., Agüero, C., Godoy, M., Álvarez, R.

Authors: Bucchi, A., **Del Bove, A.**, López-Lázaro, S., Fonseca, G.
Oral Communication: Evaluación de un método digital para reconstruir huesos cigomáticos incompletos y su posible aplicación en restos arqueológicos

Communications at Seminars & Workshops

Contributions to the ANR project NEANDROOTS (ANR-19-CE27-0011)

Venue: IPH (Paris, France)

Date: 01/2021

Organizers: Marie-Hélène Moncel

Authors: **García-Medrano, P.**

Oral Communication: Database: Western European sites MIS11

Geoparks Workshop – Natural and Cultural Heritage that Joins European Students and Teachers

Venue: Virtual event

Date: 31/01/2021

Organizers: Diego Gea IES José Marín (Vélez Rubio)

Authors: **Martínez-Navarro, B.**

Oral Communication: Granada Geopark (Spain). Geological basin of Baza and Guadix. One of the best continental Plio-Pleistocene records in the world

Climate and Chronology Series

Venue: Virtual event

Date: 16/2/2021

Organizers: School of Archaeology, University of Oxford

Authors: **Akuku, P.**

Oral Communication: Taphonomy and taxonomy of Olduvai Bed I; focus on Ewass Oldupa

TUC vertebrate Paleontology Guest Talks

Venue: Virtual event

Date: 23/2/2021

Organizers: University at Albany SUNY & Turkana University College

Authors: **Akuku, P.**

Oral Communication: Taphonomy in Zoo Archaeology

Multi-faceted dental analyses: an integrated approach to investigate Holocene population dynamics of Northeast Iberia Workshop

Venue: Virtual event

Date: 26/03/2021

Organizers: Gamarra, B., Hernando, R., Clarke, S.

[1] Author: **Gamarra, B.**

Oral Communication: Dental morphological analysis of Holocene Iberian populations. The utility of enamel-dentine junction in population dynamics

[2] Authors: **Hernando, R.**

Oral communication: Dental microwear as an indicator of the diet in farming populations from recent Prehistory

University of Southern California Seminar Series

Venue: University of Southern California

Date: 04/2021

Organizers: Spanish Consulate in L.A

Authors: **García-Medrano, P.**

Oral Communication: Atapuerca: 1 millón de años de evolución cultural

The Past and Present Kingdom of Carnivores: Taphonomy, Eco-ethology, Biodiversity. Implications on the Human Behaviour (TAPHEN)

Venue: IPHES (Tarragona, Spain)

Date: 26/05/2021

Organizers: Blasco, R., Brugal, J.P., Daura Luján, J., Fourvel, J.B., Rosell, J., Sanz Borràs, M.

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

Oral Communication: Ghosts at the campsites: neotaphonomic data to understand anthropogenic assemblages modified by carnivores

Student development conference: From the stone age to the virtual age

Venue: Virtual event

Date: 31/06/2021

Organizers: South African Archaeology Student Society, South Africa (Capetown & Johannesburg)

Authors: **Akuku, P.**

Oral Communication: Olduvai Gorge to the world: The case of Ewass Oldupa

Simulating Human Behaviour, Targeted design of Agent-based Models Workshop

Venue: Senckenberg Institute, Frankfurt (Germany)

Date: 10/2021

Organizers: Christine Hertler

Authors: **García-Medrano, P.**

Oral Communication: Human dispersals into Western Europe: The Acheulean technology through another lens

NET4IMPACT: Webinar impacto social en humanidades: arqueología y patrimonio

Venue: Virtual event

Date: 20/10/2021

Organizers: NET4Impact network, UB, CREA, IPHES-CERCA

Authors: **Gerard Campeny, Bruno Gómez de Soler, Marta Fontanals**

Oral Communication: Inspirando el patrimonio, la identidad y la educación a través del yacimiento arqueopaleontológico del Camp dels Ninots

Dental pathways through time: the mechanisms behind human dental reduction Workshop

Venue: University of Bordeaux (France)

Date: 29/10/2021

Organizers: Bocaege, E., Le Luyer, M., Bayle, P.

Authors: **Arlegi, M.**, Pablos, A., **Lorenzo, C.**

Poster: Evolutionary selection and morphological integration in the foot of modern humans

4th Archaeobotany Seminar - Autumn 2021

Venue: IPHES (Tarragona, Spain), hybrid

Date: 29/10/2021 - 04/11/2021

Organizers: Bianco, S., Mas, B.

[1] Authors: Bianco, S., Riera Mora, S., **Allué, E.**, Miró i Alaix, C.

Oral Communication: Fuelling the colony of Barcino (Barcelona): new anthracological studies to approach the city's woodland exploitation in Roman times (cc. 1rd-4th AD)

Centre for the Archaeology of Human Origins (CAHO) Seminar Series

Venue: Virtual event

Date: 4/11/2021

Organizers: McNabb, J., Byone, R., Ferreira, R.

[1] Authors: **Akuku, P.**

Oral Communication: Ewass to the world

[2] Authors: **García-Medrano, P.**

Oral Communication: The European Acheulean from the West: a regional perspective

Jornadas de Prehistoria: Magdaleniense, Iberia tras el último máximo glacial

Venue: Bedmar (Jaén)

Date: 11/11/2021 - 14/11/2021

Organizers: Paleomágina, Asociación Cultural Amigos de Paleomágina, UNED, Ayto. Bedmar y Garcéz

[1] Authors: **Alonso, S., Vaquero, M.**

Oral Communication: Ocupaciones magdalenienses en el extremo noroccidental de la Península Ibérica: la cueva de Valdavara (Becerreá, Lugo)

[2] Authors: **Vaquero, M., Alonso, S.**

Oral Communication: Variabilidad tecnológica al final del Magdaleniense: el caso del Molí del Salt (Vimbodí i Poblet, Tarragona)

LoGIC Seminar Series, University College London

Venue: Virtual event

Date: 17/11/2021

Organizers: Marie-Hélène Moncel

Authors: **Tornero, C.**

Oral Communication: Tracing life-stories from past herds: isotopic glints of light on altitudinal pastoral herding systems

NeandRoots

Venue: Histoire naturelle de l'Homme préhistorique, Paris (France)

Date: 18/11/2021

Organizers: Marie-Hélène Moncel

Authors: **Asryan, L., Ollé, A.**

Oral Communication: Functional study of the lithic artefacts of the Gran Dolina TD10.2 subunit (Atapuerca, Spain)

Other Communications

El efecto de las limpiezas químicas. El caso de la Cova de les Teixoneres (Moià, Barcelona)

Organizer: Grupo Español de Conservación, International Institute for Conservation Historic and Artistic Works

Location: Virtual event

Date: 03/2021

Author: **Cazalla, I.**

What's new at the Orce Oldowan sites (Andalusia, Spain)? State-of-the-Art after four years of interdisciplinary excavations and research

Organizer: The Hebrew University of Jerusalem

Location: Jerusalem

Date: 27/04/2021

Author: **Barsky, D., Blain, H.-A.**

La Cova de la Font Major: el sensacional descubrimiento de arte rupestre en Tarragona

Organizer: Universidad Nacional de Educación a Distancia

Location: Barbastro (Spain)

Date: 29/06/2021

Author: **Vergès, J.M., Viñas, R.**

Una aventura africana de 2,6 millones de años. Las ocupaciones humanas de los yacimientos de Gona (Etiopía) y Ain Boucherit (Argelia)

Organizer: Junta de Castilla y León

Location: Burgos

Date: 06/07/2021

Author: **Cáceres, I.**

New Frontiers in Biological anthropology. Sexual dimorphism in skeletal remains

Organizer: Fieldwork in Orozmani (Dmanisi-Georgia)

Location: Dmanisi

Date: 25/08/2021

Author: **Del Bove, A.**

La Tafonomía aplicada a la Arqueología

Organizer: Universidad de Castilla La Mancha

Location: Cuenca (Spain); Date: 29/09/2021

Author: **Blasco, R.**

Evolución y futuro

Organizer: Universidad Zacatecas de México

Location: Virtual event

Date: 11/10/2021

Author: **Carbonell, E.**

Humanización o extinción

Organizer: Universidad de Girona

Location: Girona

Date: 14/10/2021

Author: **Carbonell, E.**

El sapiens asesino y el ocaso de los neandertales

Organizer: Universidad de Málaga

Location: Málaga

Date: 01/10/2021

Author: **Martínez-Navarro, B.**

Coping with arid environments: an Iberian paleoecological perspective

Organizer: Hebrew University of Jerusalem

Location: Jerusalem

Date: 16/11/2021

Author: **Blain, H.-A.**

¿Cómo vivieron nuestros antepasados en medios áridos? Una perspectiva evolutiva desde la Península Ibérica

Organizer: Universidad de Granada

Location: Granada

Date: 09/12/2021

Author: **Blain, H.-A.**

Fieldwork Activity

Archaeological & Paleontological Excavations Directed/Co-directed by IPHES-CERCA

Catalonia

Abric de la Consagració

Location: Capellades (Barcelona)

Chronology: Upper Paleolithic

Directors: **Manuel Vaquero**, Andrea Pichin

Abric Romani

Location: Capellades (Barcelona)

Chronology: Middle Paleolithic

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

Barranc de la Boella

Location: La Canonja (Tarragona)

Chronology: Early Pleistocene

Directors: **Josep Vallverdú**, **Palmira Saladié**

La Bauma dels Fadrins

Location: Queralbs (Girona)

Chronology: Late-Pleistocene to Holocene

Directors: **Carlos Tornero**, **Eudald Carbonell**, **Celia Díez-Canseco**, **Iván Ramírez**

Cova de la Vila - Boca d'en Peixet

Location: La Febró (Tarragona)

Chronology: Holocene

Director: **Josep Vallverdú**

Camp dels Ninots

Location: Caldes de Malavella (Girona)

Chronology: Late Pliocene

Directors: **Bruno Gómez de Soler**, **Gerard Campeny**

Cal Sitjo

Location: Sant Martí de Tous (Barcelona)

Chronology: Middle Paleolithic- Holocene

Directors: **Josep Vallverdú**, **Bruno Gómez de Soler**

La Cansaladeta

Location: La Riba (Tarragona)

Chronology: Lower Paleolithic

Directors: **Josep M. Vergès**, **Andreu Ollé**

Cova 338 - Forat de l'Embut

Location: Queralbs (Girona)

Chronology: Neolithic, Bronze Age

Directors: **Carlos Tornero**, **Celia Díez-Canseco**, **Iván Ramírez-Pedraza**

Cova de la Font Major

Location: L'Espluga de Francolí (Tarragona)

Chronology: Upper Pleistocene to Holocene

Director: **Josep Maria Vergès**

Cova del Castell

Location: L'Espluga de Francolí (Tarragona)
Chronology: Upper Pleistocene to Holocene
Director: **Josep Maria Vergès**

Cova de les Borres

Location: La Febró (Tarragona)
Chronology: Upper Pleistocene
Directors: **Josep Vallverdú Poch**, María Soto Quesada, José Ramón Rabuñal Gayo

Cova d'en Pau

Location: Serinyà (Girona)
Chronology: Upper Paleolithic
Directors: Julià Maroto, **Manuel Vaquero**, Ferran Millan

Cova de les Teixoneres

Location: Moià (Barcelona)
Chronology: Middle Pleistocene to Late Pleistocene
Directors: **Jordi Rosell**, **Florent Rivals**, Anna Rufà, **Ruth Blasco**

Cova del Toll

Location: Moià (Barcelona)
Chronology: Middle to Late Pleistocene
Directors: **Jordi Rosell**, **Florent Rivals**, Anna Rufà, **Ruth Blasco**

Cova dels Xaragalls

Location: Vimbodí i Poblet (Tarragona)
Chronology: Late Pleistocene to Holocene
Directors: **Antonio Rodríguez-Hidalgo**, **Alfredo Suesta**, Roser Marsal

La Draga

Location: Banyoles (Girona)
Chronology: Neolithic
Directors: Raquel Piqué, Antoni Palomo, Xavier Terradas, **Jordi Revelles**, Oriol López-Bultó, Rut Geli

Incarcal

Location: Crespià (Girona)
Chronology: Early Pleistocene
Directors: Leonardo Sorbelli, Joan Madurell Malapeira, **Bienvenido Martínez-Navarro**

Molí del Salt

Location: Vimbodí i Poblet (Tarragona)
Chronology: Upper Paleolithic
Directors: **Manuel Vaquero**, **Susana Alonso**

Pla dels Evangelis

Location: Queralbs (Girona)
Chronology: Bronze Age
Directors: **Carlos Tornero**, **Celia Díez-Canseco**

Sota Palou

Location: Campdèvanol (Girona)
Chronology: Mesolithic
Directors: **Carlos Tornero**, **Celia Díez-Canseco**, Iván Ramírez

Torrent d'Estremera

Location: Queralbs (Girona)

Chronology: Mesolithic, Neolithic and Bronze Age

Directors: **Carlos Tornero, Celia Díez-Canseco, Iván Ramírez**

Spain

Cova del Bolomor

Location: Tavernes de la Valldigna (Valencia)

Chronology: Middle to Late Pleistocene

Director: Josep Fernández Peris, **Ruth Blasco**

Cova Eirós

Location: Triacastela (Lugo)

Chronology: Middle Palaeolithic to Holocene

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

Quibas

Location: Abanilla (Murcia)

Chronology: Early Pleistocene

Directors: **Pedro Piñero, Jordi Agustí**

Valparaíso

Location: Hortigüela (Burgos)

Chronology: Middle Pleistocene

Director: **Eudald Carbonell**, Francisco José García-Vadillo, Marta Navazo, Rodrigo Alonso-Alcalde, Alfonso Benito

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

Location: Atapuerca (Burgos)

Chronology: Pleistocene to Holocene

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

1. Abric Romaní (2021)
2,3. Atapuerca (2021)
Authorship: María Guillén



Participation in Other Excavations

Catalonia

Balma de la Griera

Location: Calafell (Tarragona)
Chronology: Late Pleistocene
Directors: J.I. Morales, A. Cebrià (UB)

Cantacorbs

Location: Montblanc (Tarragona)
Chronology: Neolithic
Director: J.L. Fernández-Marchena, G. García-Argudo (UB)

Cova Gran de Montserrat

Location: Collbató (Barcelona)
Chronology: Middle to Upper Paleolithic
Director: J.I. Morales (UB)

Cova de Simanya Gran

Location: Sant Llorenç Savall (Barcelona)
Chronology: Upper Pleistocene to Holocene
Directors: J.I. Morales, A. Cebrià (UB)

Cova d'Olopte

Location: Isòvol, Cerdanya (Girona)
Chronology: Middle to Upper Paleolithic
Director: X. Mangado (UB)

Les Guixeres de Vilobí

Location: Vilobí del Penedès (Barcelona)
Chronology: Neolithic
Directors: X. Oms, R. Laborda, H. Martínez (UB)

Sala del Llac

Location: L'Espluga de Francolí (Tarragona)
Chronology: Upper Paleolithic to Holocene
Director: I. Cots (URV)

Spain

Barranco León and Fuente Nueva 3

Location: Orce (Granada)
Chronology: Early Pleistocene
Director: J.M. Jiménez-Arenas (UGR)

Cueva de El Castillo

Location: Puente Viesgo (Cantabria)
Chronology: Middle Paleolithic
Director: J. M. Maíllo Fernández (UNED)

La Malia

Location: Tamajón (Guadalajara)
Chronology: Upper Pleistocene
Director: N. Sala, A. Pablos (CENIEH)

Pinilla del Valle

Location: Madrid

Chronology: Middle Paleolithic

Directors: E. Baquedano (Museo Arqueológico Regional de Madrid), J.L. Arsuaga (UCM), A. Pérez-González (CENIEH)

International

Abrigo do Lagar Velho

Location: Lapedo Valley, Leiria (Portugal)

Chronology: Upper Paleolithic

Directors: J. Daura Lujan, M. Sanz Borràs (UB)

Notarchirico

Location: Venosa, Basilicata (Italy)

Chronology: Middle Pleistocene

Director: M.-H. Moncel (MNHN, France)

San Miguel de Renaico 1

Location: Renaico (Chile)

Chronology: 900-1460 DC

Director: R. Campbell (Pontificia Universidad Católica)

Sampling Surveys Directed/Co-directed by IPHES-CERCA

Catalonia

Cova Gran de Santa Linya

Location: Les Avellanes i Santa Linya (Lleida)

Chronology: Middle Paleolithic to Calcolithic

Directors: R. Mora (UAB), J. Martínez-Moreno (UAB), A. Benito (CENIEH)

Estany Pudent i Estany des Peix

Location: Formentera (Balearic Islands)

Chronology: Holocene

Directors: **Jordi Revelles**, P. Sureda (INCIPIT-CSIC)

Spain

Finca La Rusal

Location: Valencia de las Torres (Badajoz)

Chronology: Present-day

Director: **Antonio Rodríguez-Hidalgo**

Finca El Sotillo

Location: Ventas con Peña Aguilera (Toledo)

Chronology: Present-day

Director: **Antonio Rodríguez-Hidalgo**

International

Guefaït, Oued Tabouda, Gara Soutana, Ar Rabt & Oued Charchara

Location: Eastern Morocco

Chronology: Early Pleistocene to Holocene

Directors: **María Gema Chacón**, **Robert Sala-Ramos**, H. Aouraghe

Mobility

Short Stays at Other Centres

National

Museo Arqueológico de Baza

Researcher: **Bienvenido Martínez-Navarro**

City: Baza (Granada)

Dates: 11/01/2021 – 31/01/2021, 19/07/2021 – 31/07/2021

Scientific purpose: Restoration and study of the fossil collection from the Pliocene site of Baza-1

Departamento de Prehistoria y Arqueología, Facultad de Filosofía y Letras, Universidad Autónoma de Madrid

Researcher: **María Gema Chacón**

City: Madrid

Dates: 28/02/2021 - 03/03/2021, 30/06/2021 - 05/07/2021, 16/09/2021 - 23/09/2021

Scientific purpose: Work on scientific chapters for the Book “Updating Neanderthals” (publication 2022) Springer Editions

Centro Nacional de Investigación sobre la Evolución Humana (CENIEH)

Researcher: **Alfredo Suesta Guillén**

City: Burgos

Dates: 03/2021 – 08/2021

Scientific purpose: PhD mobility

Centro Nacional de Investigación sobre la Evolución Humana (CENIEH)

Researcher: **Marian Berihuete-Azorín**

City: Burgos

Dates: 24/04/2021 – 30/04/2021

Scientific purpose: Learning of Micro-CT use and image treatment

Museo de Zaragoza

Researcher: **Hugues-Alexandre Blain**

City: Zaragoza

Dates: 31/05/2021 - 01/06/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Center: Museo de Ciencias Naturales de Zaragoza

Researcher: **Hugues-Alexandre Blain**

City: Zaragoza

Dates: 02/06/2021 – 05/06/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Museu Arqueològic de Banyoles

Researcher: **Florent Rivals**

City: Banyoles

Dates: 20/09/2021 - 23/09/2021

Scientific purpose: Sampling for meso- and microwear analyses of the ungulates from Cova de l'Arbreda and Bora Gran

Museo arqueológico y etnológico de Granada y Centro de Interpretación Orce

Researcher: **Deborah Barsky, Amelia Bargalló**

City: Granada

Dates: 22/09/2021 – 27/09/2021 September

Scientific purpose: Petrographical study of Orce flint assemblages and survey in Orce región

Fundación Dinopolis

Researcher: **Hugues-Alexandre Blain**

City: Teruel

Dates: 25/10/2021 - 26/10/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Museo de Historia Natural del Colegio La Salle

Researcher: **Hugues-Alexandre Blain**

City: Teruel

Dates: 26/10/2021 – 29/10/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Facultad de Ciencias, Universidad de Granada

Researcher: **Andrea Díaz Cortés**

City: Granada

Dates: 02/11/2021 – 28/02/2022

Scientific purpose: Consolidation with nanolimes in archaeological bones

Paleomágina

Researcher: **Sandra Bañuls-Cardona**

City: Bedmar (Jaén)

Dates: 13/11/2021- 15/11/2021

Scientific purpose: Small-mammals study

Museo de Ciencias Naturales Hermano León del Colegio La Salle de Paterna

Researcher: **Hugues-Alexandre Blain**

City: Paterna (Valencia)

Dates: 19/11/2021 – 19/11/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Museu d'Historia Natural de la Universitat de Valencia

Researcher: **Hugues-Alexandre Blain**

City: Burjassot (Valencia)

Dates: 19/11/2021 – 19/11/2021

Scientific purpose: Estudio de unos especímenes de ranas de Libros

Escuela Politécnica Superior de Ávila, Universidad de Salamanca (TIDOP Group)

Researcher: **Antonio Pineda**

City: Ávila

Dates: 23/11/2021 – 23/11/2021

Scientific purpose: Scientific training in Geometric Morphometric for taphonomic purposes

International

Institute of archaeology, University of Cologne

Researcher: **Andión Arteaga**

City: Cologne (Germany)

Dates: 25/11/2021 – 25/03/2022

Scientific purpose: Scientific training

BIAX-Consult

Researcher: **Marian Berihuete-Azorín**

City: Zaandam (Netherlands)

Dates: 12/07/2021 – 18/07/2021

Scientific purpose: USOs identification principles and reference collection design

UMR7194 « Histoire Naturelle de l'Homme Préhistorique » (HNHP), Muséum national d'Histoire naturelle, Musée de l'Homme & Institut de Paléontologie Humaine

Researcher: **María Gema Chacón**

City: Paris (France)

Dates: 05/11/2021 - 14/11/2021

Scientific purpose: Study of Middle Palaeolithic lithics assemblages from Abri du Maras (Saint-Martind'Ardèche, France)

Institute of Archaeology, The Hebrew University of Jerusalem (HUJI)

Researcher: **María Gema Chacón**

City: Jerusalem (Israel)

Dates: 28/11/2021 – 27/02/2022

Scientific purpose: (1) Visitant Professor (Teaching activities on experimental archaeology & refits analysis for BA, MA and doctoral students) – (2) Refits lithic analysis of the Middle Palaeolithic sites of Ein Qashsih & Nesher Ramla (Israel)

Facultad de Ingeniería civil, química y arquitectura, Universidad de Bologna

Researcher: **Andrea Díaz Cortés**

City: Bologna (Italy)

Dates: 10/04/2021 – 10/07/2021

Scientific purpose: Consolidation of archaeological bone with Diamonium phosphate (DAP)

Musée archéologique Strasbourg

Researcher: **Juan Marín Hernando**

City: Strasbourg (France)

Dates: 21/11/2021 - 24/11/2021

Scientific purpose: Project Rino

National Museum of Natural History

Researcher: **Juan Marín Hernando**

City: Luxembourg (Luxembourg)

Dates: 18/10/2021 - 30/10/2021, 24/11/2021 - 28/11/2021

Scientific purpose: Project Rino

Institute of Archaeology, Hebrew University of Jerusalem (HUJI)

Researcher: **Juan Ignacio Martín-Viveros Díaz-Meco**

City: Jerusalem (Israel)

Dates: 27/10/2021 – 23/12/2021

Scientific purpose: Sampling of the lithic assemblage of the Middle Paleolithic site of Ein Qashish (Israel) for use-wear analysis

National Museum of Georgia

Researcher: **Bienvenido Martínez-Navarro**

City: Tbilisi (Georgia)

Dates: 12/09/2021 - 18/09/2021

Scientific purpose: Study of the fossil carnivores from Dmanisi

Museo Archeologico Nazionale di Venosa

Researcher: **Antonio Pineda**

City: Venosa (Italy)

Dates: 18/07/2021 – 30/07/2021

Scientific purpose: Study of the faunal materials of the Middle Pleistocene site of Notarchirico hosted in this institution

National Institute of Archaeology and Heritage (INSAP)

Researcher: **Ivan Ramírez**

City: Rabat (Morocco)

Dates: 12/11/2021 – 23/11/2021

Scientific purpose: Stable isotopes and dental wear sampling of the Plio-Pleistocene site Ahl al Oughlam

National Museum of Tanzania

Researcher: **Florent Rivals**

City: Dar es Salaam (Tanzania)

Dates: 14/11/2021 - 1/12/2021

Scientific purpose: Sampling for meso- and microwear analyses of the ungulates from Olduvai (DKI, FLK Zinj) and Peninj

Natural History Museum

Researcher: **Antonio Rodríguez-Hidalgo**

City: Vienna (Austria)

Dates: 17/10/2021 - 23/10/2021

Scientific purpose: Research

Accélérateur Grand Louvre d'analyse élémentaire (AGLAE), Centre de recherche et de restauration des musées de France

Researcher: **Robert Sala Ramos**

City: Paris (France)

Dates: 07/12/2021 – 16/12/2021

Scientific purpose: Research on use-wear formation process

Positions of Importance

Scientific Advisory Board Positions

Research centres & institutions

Spanish National Research Agency Database of Experts (Ministerio de Ciencia e Innovación) - Board Member: Andreu Ollé

Centro Nacional de Investigación sobre la Evolución Humana (CENIEH) - Scientific Advisor: Marina Mosquera

Collaborative Research Centre (CRC), Universität Tübingen (Germany) - Scientific Advisor: Florent Rivals

Consell Nacional d'Arqueologia i Paleontologia - Board Member: Josep Maria Vergès

Comissió de Recerca d'Arqueologia i Paleontologia - Board Member: Josep Maria Vergès

Societies

Hugo Obermaier Society (Germany) - Steering Committee Member: Florent Rivals

UNESCO Geopark of Granada - Scientific Advisor: Bienvenido Martínez-Navarro

UNESCO Geopark Montañas do Courel - Scientific Advisor: Xosé-Pedro Rodríguez

Associació Catalana de Bioarqueologia - Members of the Directive Committee: Francesc Burjachs, Ethel Allué, Aitor Burguet Coca

Association of Palynologists in Spanish Language - Chair member: Jordi Revelles

Patronat del Museu d'Alcover - Member: Josep Maria Vergès

Awards

Juan Marín - Prize Emilie Campmas 2020 for doctoral work on archaeozoology and palaeoenvironments in North Africa and the Mediterranean Basin during the Palaeolithic. Awarded on 18/01/2021. Concessionaire entity: AssEmCa.

Andión Arteaga - 1st student poster at Rock and Roll: 13th International Symposium on Knappable Materials

Irene Cazalla - Premio Joven de Investigación en Conservación Restauración CE-IIC 2020 - 3rd prize for work entitled "El efecto de las limpiezas químicas en el material óseo fósil procedente de niveles del Pleistoceno superior del yacimiento de la Cova de les Teixoneres". Awarded on 15/01/2021. Entity: Grupo Español de Conservación II-C



Archive photo (2020)
Authorship: Maria Guillén

Education

University Degrees Offered at URV

IPHES-CERCA is involved in all three stages of the University studies (bachelor's, master's and doctorate degrees) in collaboration with Universitat Rovira i Virgili (URV). In particular, IPHES-CERCA 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

Bachelor's Degree in History

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.

Bachelor's Degree in Anthropology and Human Evolution

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 hybrid (combining virtual and in-person classes). The virtual platform allows students to participate in the programme through the virtual campus of the UOC, while the hybrid 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: (1) research into human palaeoecology and prehistory, palaeoanthropology, geology and palaeontology of the Quaternary; (2) archaeological intervention in this stage of evolution; and (3) the management, conservation and dissemination of archaeological heritage.

The programme is part of an international consortium 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

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

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

This doctoral programme represents the continuation of the previous doctoral programme in Quaternary and Prehistory (Erasmus Mundus).

Other University Teaching

Apart from University Degrees offered at URV, some researchers do collaborate with other universities and impart teaching therein. For instance:

Marian Berihuete-Azorín: Methods in Archaeology; UAB - Master's Degree

Eudald Carbonell: Human Evolution; UBU - Bachelor's and Master's Degrees

María Gema Chacón: Stratigraphy of Prehistoric Sites, Technology in Lower and Middle Paleolithic; Muséum National d'Histoire Naturelle France - Master's Degree

Ana Fagoaga: Plagues Management; UV - Master's Degree

Marina Mosquera: Introduction to the Archaeology of Mind; UdG - Master's Degree

Carlos Tornero: Introduction to Prehistory, Bioarchaeology, Archaeobiochemistry; UAB - Bachelor's Degree

Similarly, researchers do also participate in the supervision of Master and PhD theses and in PhD evaluation tribunals from other universities and degrees. All this year's activity is compiled in the following pages.

Bachelor in Anthropology and Human Evolution (URV-UOC)

Course	Credits (ECTS)	Imparted by
Prehistory	6	Ethel Allué
New Technologies applied to Human Sciences	6	Ethel Allué
Archaeology of Symbolic Behaviour	6	Deborah Barsky
Material Culture	6	Deborah Barsky
Methodology in Archaeology	6	Deborah Barsky
Evolution and Culture	6	María Gema Chacón
Ethnoarchaeology	6	Bruno Gómez de Soler
Genetics	6	Policarp Hortolà
Epistemology of Evolution	6	Policarp Hortolà
Human Paleoeology	4	Rosa Huguet
Biological Anthropology	6	Carlos Lorenzo
Human Evolution	6	Marina Lozano
Forensic Anthropology	6	Marina Lozano
Archaeology of the Quaternary	6	Palmira Saladié

Bachelor in History, Art History and Archeology (URV)

Course	Credits	Imparted by
Prehistory and Human Evolution	6	Ethel Allué, Eudald Carbonell, Robert Sala
Prehistory of the Iberian Peninsula	6	Isabel Cáceres

Master in Quaternary Prehistory and Human Evolution (URV)

Course	Credits (ECTS)	Imparted by
Paleoenvironmental Reconstruction	4	Francesc Burjachs
Spatial Archaeology	5	Antoni Canals
Preservation and Restoration in Pleistocene Archaeology	4	Gala Gómez Merino
Epistemology and the Theory of Knowledge in Archaeology	4	Robert Sala
Human Evolution	5	Carlos Lorenzo
Computer Science and Statistics Applied to Archaeology	4	Carlos Lorenzo
Archaeology of the Mind and Cognition	3	Marina Mosquera
Lithic Technology	4	Andreu Ollé
Microscopic Analysis in Archaeology	4	Andreu Ollé, Josep Maria Vergès
Human Paleoeology	4	Florent Rivals, Carlos Tornero, Hugues-Alexandre Blain
Prehistory of Asia and Oceania	4	Xosé Pedro Rodríguez
Zooarchaeology and Taphonomy	4	Isabel Cáceres, Jordi Rosell
Prehistory in Africa	4	Jordi Rosell
Geology of the Quaternary	5	Josep Vallverdú
Experimental Archaeology	4	Josep Maria Vergès
Prehistory in Europe	4	Antoni Canals
Excavation and Record Methods in Quaternary Archaeology	6	Marina Mosquera
How to Write a Master's Thesis	6	Carlos Lorenzo, Robert Sala, Eudald Carbonell
Ethnoarchaeology	4	Manuel Vaquero
Prehistory of Iberian Peninsula	4	Manuel Vaquero
Mammals Paleontology: Systematics and Evolution	4	Bienvenido Martínez-Navarro

* Some courses have welcomed other IPHES-CERCA researchers/technicians to give shorter presentations or classes.

Defended Theses

Bachelor Theses (TFGs)

Registro de mamíferos durante el Plioceno y Cuaternario en la Comunidad Valenciana

Student: Aida Cuevas López

University: Universitat de València

Date of presentation: 03/07/2021

Directors: Francisco Javier Ruiz Sánchez, Rafael Marquina Blasco, **Ana Fagoaga**

El que no es veu, existeix. La (in)visibilitat de les cures en el registre arqueològic. Aplicació de la Bioarqueologia de les cures en els neandertals de la cova de Shanidar

Student: Jordi Benítez

University: URV-UOC

Date of presentation: 06/2021

Director: **Marina Lozano**

La Disevolució. Humans del present en cossos del passat

Student: Elisabet Sirisi Calero

University: URV-UOC

Date of presentation: 06/2021

Director: **Marina Lozano**

Grober Xaialsa. Recerca prehistòrica a la vall del Freser

Student: Albert Fabrés Comellas

University: Universitat Autònoma de Barcelona

Date of presentation: 06/2021

Director: **Carlos Tornero**

Els inicis arqueològics sobre patrons de socialització en poblacions neandertals a Euràsia : una primera aproximació

Student: Eva María López Castillo

University: URV-UOC

Date of presentation: 16-06-2021

Director: **Deborah Barsky**

Aplicación de técnicas de escaneo 3D para la digitalización de colecciones de cráneos precolombinos

Student: Rangel de Lázaro, Gizeh

University: URV-UOC

Date of presentation: 17/06/2021

Director: **Carlos Lorenzo**

La conservació preventiva de restes humanes momificades

Student: Laura Valentines Viadel

University: URV-UOC

Date of presentation: 18/06/2021

Director: **Lucía López-Polín**

Tradicions funeràries del Nord Est Peninsular durant el Neolític final i Calcolític. Els casos de La Cova de l'Avi, L'Hipogeu del Carrer París, La Coveta de l'Heura i Reguers de Seró

Student: Núria Rubies

University: URV-UOC

Date of presentation: 16/07/2021
Director: **Palmira Saladié**

Termite mound behaviour in semi-captive Chimpanzees

Student: Kevin Lopez Leal
University: Universitat de Girona
Date of presentation: 20/12/2021
Directors: David Riba, **Adrián Arroyo**

Master's Theses

I micromammiferi della sequenza olocenica del Landro (Tambre, Belluno). Ambiente attuale e passato a confronto

MSc student: Luca Montoli
University: Università degli Studi di Ferrara
Date of presentation: 18/03/2021
Directors: Marco Peresani, Claudio Berto, Davide Visentin, **Juan Manuel López-García**

Análisis paleobiogeográfico comparativo entre las faunas del MIS5 (130-80 ka) y el MIS1 (18 ka-actualidad)

MSc student: Carmen Mayorga Pedraza
University: Universitat de València
Date of presentation: 02/07/2021
Directors: Francisco Javier Ruiz Sánchez, **Ana Fagoaga**

Odontometría y análisis del desgaste dental para la estimación de la edad en individuos infantiles y juveniles: Comparación entre metodologías

MSc student: Lucía Ramírez García
University: URV
Date of presentation: 09/2021
Director: **Marina Lozano**

Sex Determination, Morphological and Metrical parameters of adult human mandible from El Mirador Cave and Cova de la Guineu sites

MSc student: Rebiha Smail
University: URV
Date of presentation: 09/2021
Director: **Marina Lozano**

Dogs from Augusta Emerita: The stable isotopes input for diet and status evolution into human populations

MSc student: Marta Orozco-Saumell
University: URV
Date of presentation: Sept, 2021
Directors: **Carlos Tornero**, Ana Elisabete Pires, Cleia Detry

Comportamiento humano en tiempo y espacio. Disección de palimpsestos, captación de recursos líticos y gestión tecnológica en las unidades IV y V del Abric del Pastor (Alcoi, Alicante)

MSc student: Santiago Sossa Ríos
University: URV
Date of presentation: September 2021
Directors: **Manuel Vaquero**, Cristo Hernández

Estudi de l'aprofitament i la gestió de recursos vegetals a les Coves del Fem (Ulldemolins, Catalunya) entre 4941-4545 cal BC

MSc student: Blanca Garay Palacios

University: Universitat Autònoma de Barcelona

Date of presentation: 07/09/2021

Directors: Raquel Piqué, **Marian Berihuete-Azorín**

Approche multidisciplinaire des stratégies de subsistance des Néandertaliens à l'Abri du Maras (Ardèche, MIS 3)

MSc student: Marie-Pauline Vignes

University: Muséum National d'Histoire Naturelle (France)

Date of presentation: 15/09/2021

Directors: Delphine Vettese, Camille Daujeard, **Juan Marín**, Marie-Hélène Moncel

Analyse spatiale des niveaux 4.1 et 4.2 de l'Abri du Maras (Ardèche, France), approche combinée : SIG et 3D. Caractérisation des occupations néandertaliennes du MIS 3 et apports méthodologiques

MSc student: Pierre Guillemot

University: Muséum National d'Histoire Naturelle (France)

Date of presentation: 21/09/2021

Directors: Marie-Hélène Moncel, **María Gema Chacón**, Véronique Pois, Stéphane Jaillet

Late Pleistocene Environmental Reconstruction of North-eastern Iberia through the small mammal assemblages: The Case of Cudó Cave (Mont-ral, Tarragona)

MSc student: Dama Qoriy

University: URV

Date of presentation: 27/09/2021

Directors: Mónica Fernández García, **Juan Manuel López-García**

Refitting blanks and isolating impacts: statistical and morphotechnical analyses of handaxes and products by expert knappers through their refitting sequences

MSc student: Marco Montelongo Vidal

University: URV

Date of presentation: 27/09/2021

Director: **Marina Mosquera**

Diets in the Late Neolithic of the Central Portugal - Preliminary Results of Buccal Microwear Analysis in collective burial

MSc student: Bohdan Mamchur

University: URV

Date of presentation: 27/09/2021

Directors: **Marina Lozano**, **Florent Rivals**, Luiz Oosterbeek

Core-reduction strategies in chert procurement areas during MSA in Eastern Morocco: Sahb El Char 1 & 2.1 open air sites

MSc student: Mourad Farkouch

University: URV

Date of presentation: 28/09/2021

Directors: **María Gema Chacón**, **Juan Ignacio Morales**, Hassan Aouraghe

Revisiting Ndotu: a new virtual reconstruction of the Ndotu

MSc student: Montiel Hernández, Gustavo Daniel

University: URV

Date of presentation: 28/09/2021

Directors: **Carlos Lorenzo**, Florent Déroit

Gestión tecnológica de la cuarcita durante el Paleolítico medio y superior en Cova Eirós (Triacastela, España)

MSc student: Xes Aldea Moreira

University: URV

Date of presentation: 28/09/2021

Directors: **Xosé Pedro Rodríguez-Álvarez**, Arturo de Lombera-Hermida

Estudio tafonómico del conjunto avifaunístico del nivel TE9d de la Sima del Elefante (Atapuerca, Burgos)

Student: Mario Marqueta

University: URV

Date of presentation: 28/09/2021

Director/s: **Rosa Huguet**

PhD Theses

Lithic assemblage, percussive technologies and behavior at the Oldowan site of Barranco León (Orce, Andalucía, Spain)

PhD student: Stefania Titton

University: URV

Department: Historia i Historia de l'Art

Date of defense: 08/01/2021

Directors: **Deborah Barsky**, **Amelia Bargalló**

More than food: The role of cervids in Pre-Columbian subsistence strategies in Panama

PhD student: María Fernanda Martínez-Polanco

University: URV

Department: Història i Història de l'Art

Date of defense: 14/01/2021

Director: **Florent Rivals**

Pleistocene cave paleosols and sediments in Northern Sicily. Palaeoenvironmental reconstruction

PhD Student: Gerlando Vita

University: URV

Date of defense: 9/02/2021

Directors: Pierluigi Rosina, **Josep Vallverdú Poch**

Reconstructing past climate and environment using rodent assemblages from the Middle to Late Pleistocene in western Asia

PhD student: Iván Rey-Rodríguez

University: Muséum National d'Histoire Naturelle (France)

Date of defense: 14/04/2021

Director/s: **Juan Manuel López-García**, Chistiane Denys, Emmanuelle Stoetzel

Pleistocene small-vertebrates (amphibians, reptiles and small mammals) studies in Serbia (Balkan Peninsula, SE Europe): history of research, methodological state of the art, and paleoclimatic and paleoenvironmental reconstructions

PhD student: Mihailo Jovanovic

University: URV, Università degli Studi de Ferrara

Date of defense: 15/04/ 2021

Directors: **Hugues-Alexandre Blain, Jordi Agustí**

La gestión funcional de los recursos líticos durante el Paleolítico superior. Una aproximación diacrónica a partir de conjuntos del Noreste de la Península Ibérica

PhD student: Juan Luis Fernández Marchena

University: Universitat de Barcelona

Department: Història i Arqueologia

Date of presentation: 21/05/2021

Directors: Josep Maria Fullola, **Andreu Ollé**

Lower and Middle Palaeolithic lithic assemblages from Southern Peninsular India: A geometric morphometric and classical approach to Large Cutting Tools

PhD student: Madhavi Kunneriath

University: URV, Muséum National d'Histoire Naturelle (France)

Department: Història i Història de l'Art

Date of defense: 28/06/2021

Director/s: **María Gema Chacón**, Claire Gaillard, Ravi Korisettar

Palinología en el Este de la Península Ibérica y Evolución Humana

PhD student: Juan Ochando

University: Universidad de Murcia

Department: Departamento de Biología Vegetal

Date of defense: 08/07/2021

Directors: J.S. Carrión, **Ruth Blasco**, S. Fernández Jiménez

The microvertebrates (Micromammals, Amphibians, Reptiles, Aves and Fishes) from the archeopaleontological site of Wadi Sarrat (NW Tunisia). Bio-geochronology, Paleobiogeography and Paleoenvironmental reconstruction

PhD student: Moncef-Saïd Mtimet

University: URV

Department: Història i Història de l'Art

Date of defense: 08/10/2021

Director: **Bienvenido Martínez-Navarro**

Reducción y gestión volumétrica: aproximación a la variabilidad y evolución de las dinámicas de explotación durante el Pleistoceno inferior y medio europeo, a través de los conjuntos de Gran Dolina y Galería (Sierra de Atapuerca, Burgos) y de El Barranc de la Boella (La Canonja, Tarragona)

PhD student: Diego Lombao Vázquez

University: URV

Department: Història i Història de l'Art

Date of defense: 20/12/2021

Directors: **Marina Mosquera, Juan Ignacio Morales Hidalgo**

Participation in PhD Tribunals

Lithic assemblage, percussive technologies and behavior at the Oldowan site of Barranco León (Orce, Andalucía, Spain)

PhD student: Stefania Titton

University: URV

Date of defense: 08/01/2021

Directors: Deborah Barsky, Amèlia Bargalló

Researcher in the tribunal: **Xosé Pedro Rodríguez-Álvarez**

Much more than meat alone: The role of cervids in Pre-Columbian subsistence strategies in Panama

PhD student: Maria Fernanda Martínez-Polanco

University: URV

Date of defense: 14/01/2021

Director: Florent Rivals

Researcher in the tribunal: **Xosé Pedro Rodríguez-Álvarez**

Pleistocene cave paleosols and sediments in Northern Sicily. Palaeoenvironmental reconstruction

PhD student: Gerlando Vita

University: URV

Date of defense: 09/02/2021

Directors: Pierluigi Rosina, Josep Vallverdú

Researcher in the tribunal: **Carlos Lorenzo**

El coste de la supervivencia en las poblaciones humanas del Pleistoceno.

PhD student: Marco Adolfo Vidal Cordasco

University: CENIEH - Universidad de Burgos

Date of defense: 10/02/2021

Directors: Ana Mateos Cachorro, Jesús Rodríguez Méndez

Researcher in the tribunal: **Eudald Carbonell**

Agricultura precolombina Kañari, sistemes de cultius agroecològics i transformació de paisatges agrícoles: Arqueobotànica a la conca de l'Chanchán (Andes centrals de l'Equador)

PhD student: Christiam Aguirre

University: Universitat Autònoma de Barcelona

Date of defense: 12/02/2021

Director/s: Raquel Piqué

Researcher in the tribunal: **Marian Berihuete-Azorín**

Gestión del medio vegetal y dieta animal en depósitos neolíticos de fumier en la Sierra de Cantabria (San Cristóbal) y la Sierra de Atapuerca (El Mirador).

PhD student: Mónica Alonso Eguiluz

University: Universidad del País Vasco

Date of defense: 23/02/2021

Directors: Javier Fernández-Eraso, Rosa Maria Albert

Researcher in the tribunal: **Josep Maria Vergès**

Pleistocene small-vertebrates (amphibians, reptiles, and small mammals) studies in Serbia (Balkan Peninsula, SE Europe): history of research, methodological state of the art, and paleoclimatic and paleoenvironmental reconstructions

PhD student: Mihailo Jovanović

University: URV, Università degli Studi de Ferrara

Date of defense: 15/04/2021

Directors: Hugues-Alexandre Blain, Jordi Agustí

Researchers in the tribunal: **Juan Manuel López-García, Carlos Lorenzo**

Geometric morphometrics and Topographic analyses of dental Wear in modern human populations

PhD student: Elisabeth Cuesta Torralbo

University: Universitat de Barcelona

Date of defense: 22/04/2021

Directors: Alejandro Pérez-Pérez, Alejandro Romero Rameta

Researcher in the tribunal: **Marina Lozano**

Behavioural variability in prehistoric societies: Linear and geometric morphometric approaches on enthesal sites of metacarpal and phalangeal bones of adult individuals

PhD student: Calandra, Rosamaria

University: Università degli Studi de Ferrara

Date of defense: 11/05/2021

Directors: Marta Arzarello, Julie Arnaud

Researcher in the tribunal: **Carlos Lorenzo**

La gestión funcional de los recursos líticos durante el Paleolítico Superior. Una aproximación diacrónica a partir de conjuntos del noreste de la Península Ibérica

PhD student: Juan Fernández Marchena

University: Universitat de Barcelona

Date of defense: 21/05/2021

Directors: Josep Maria Fullola, Andreu Ollé

Researcher in the tribunal: **Josep Maria Vergès**

Understanding hunter-gatherers behaviour through the macro- fractures analysis of lithic backed points

PhD student: Giancarlo Ruta

University: URV

Date of defense: 26/05/2021

Director/s: Marta Arzarello

Researcher in the tribunal: **Andreu Ollé**

Appreciating the little things. Possibilities and challenges of stone tool residue analysis in reconstructing Late Pleistocene technologies

PhD student: Dries Cnuts

University: Université de Liège

Date of defense: 30/06/2021

Director/s: Veerle Rots

Researcher in the tribunal: **Andreu Ollé**

Paleobiogeografía y evolución de las asociaciones de micromamíferos en la península ibérica durante el Holoceno. Influencias climáticas y antrópicas

PhD student: Ángel Domínguez García

University: Universidad Complutense de Madrid

Date of defense: 15/07/2021

Director/s: Paloma Sevilla García, César Laplana Conesa, Hipólito Collado Giraldo

Researchers in the tribunal: **Ana Fagoaga**

Analyses texturales des micro-usures et des hypoplasies de l'émail dentaire chez les Rhinocerotidae actuels et fossiles (Mammalia, Perissodactyla) : inférences paléobiologiques et paléoécologiques

PhD student: Manon Hullot

University: Université de Montpellier

Date of defense: 30/09/2021

Director/s: Pierre-Olivier Antoine, Gildas Merceron

Researcher in the tribunal: **Florent Rivals**

Visuospatial integration and cognitive archaeology - the relationship between body, material culture and human brain

PhD student: Annapaola Fedato

University: Universidad de Burgos

Date of defense: 04/10/2021

Director/s: Emiliano Bruner, José María Bermúdez de Castro

Researcher in the tribunal: **Marina Mosquera**

The microvertebrates (Micromammals, Amphibians, Reptiles, Aves and Fishes) from the archeopaleontological site of Wadi Sarrat (NW Tunisia): Bio-geochronology, Paleobiogeography and Paleoenvironmental reconstruction

PhD student: Moncef Said Mtimet

University: URV

Date of defense: 08/10/2021

Director/s: Bienvenido Martínez Navarro

Researcher in the tribunal: **Carlos Lorenzo**

Adaptaciones anatómicas de la muñeca a las diferentes formas de locomoción en el orden de los primates

PhD student: Aroa Casado Rodríguez

University: Universitat de Barcelona

Date of defense: 22/10/2021

Director/s: Josep M. Potau Ginés

Researcher in the tribunal: **Robert Sala Ramos**

Caracterización de la topografía dental en la tribu Papionini: inferencias alimentarias en los cercopitecinos del plio-pleistoceno de Sudáfrica

PhD student: Yasmina Avia García

University: Universitat de Barcelona

Date of defense: 10/12/2021

Director/s: Laura Martínez Martínez, Alejandro Pérez-Pérez

Researcher in the tribunal: **Florent Rivals**

Estudios de estacionalidad en yacimientos paleolíticos del Cantábrico central

PhD student: Antonio Jesús Sánchez Flores

University: Universidad Complutense de Madrid

Date of defense: 13/12/2021

Director/s: J. Yravedra, M.C. Arriaza

Researcher in the tribunal: **Ruth Blasco**

Tafonomía de los yacimientos paleontológicos de Batallones-3 y Batallones-10 (Vallesiense superior, Madrid, España)

PhD student: David Manuel Martín-Perea

University: Universidad Complutense de Madrid

Date of defense: 17/12/2021

Director/s: Jorge Morales, Soledad Domingo

Researcher in the tribunal: **Rosa Huguet**

Reducción y gestión volumétrica: aproximación a la variabilidad y evolución de las dinámicas de explotación durante el Pleistoceno inferior y medio europeo, a través de los conjuntos de Gran Dolina y Galería (Sierra de Atapuerca, Burgos) y de El Barranc de la Boella (La Canonja, Tarragona)

PhD student: Diego Lombao

University: URV

Date of defense: 20/12/2021

Director/s: Marina Mosquera, Juan Ignacio Morales

Researcher in the tribunal: **Andreu Ollé**



1. PhD defense of Madhavi Kunneriath
2. PhD defense of Diego Lombao
3. PhD defense of Juan Luís Fernández Marchena
4. PhD defense of Maria Fernanda Martínez-Polanco

Following Careers

The Careers Service at IPHES-CERCA aims at keeping track of the employability of PhD students who have graduated at URV with supervision of IPHES-CERCA researchers.

Over the 43 PhD graduates (2016-2020), 23 of them had in 2021 a position in Academia, which represents a rate of 54%. Here we list, the current position of PhD graduates from 2019-2020 (over 16 PhD graduates, 6 are following their scientific research career in Academia):

Aitor Burguet-Coca

PhD Thesis defense: 17/12/2020

Current position: Margarita Salas Fellowship 2021, Archaeology of Leiden University and URV

Period: 2022-2024

Céline Kerfant

PhD Thesis defense: 8/12/2020

Current position: Part-time contract at Culture and Socio-Ecological Dynamics Reserach Group (CaSEs), Dept. Humanities of the Universitat Pompeu Fabra on the project "Increasing the FAIRness of Phytolith Data", funded by EOSC-Life".

Period: 08/2021-09/2022

Akinbowale Mark Akintayo

PhD Thesis defense: 12/04/2019

Current position: Postdoctoral Research Associate on the 'MAEASaM: Mapping Africa's Endangered Archaeological Sites and Monuments' project, Dept. Archaeology, The University of York

Period: 2021-2023

Gabriele Terlato

PhD Thesis defense: 03/05/2019

Current position: Postdoctoral Researcher Juan de la Cierva Formación at Universidad de Cantabria (FJC2019-040637-I)

Leopoldo Jesús Pérez-Luis

PhD Thesis defense: 05/06/2019

Current position: Postdoctoral Researcher Generalitat Valenciana, Juan de la Cierva (FJC2019-039829-I)

Neemias Santos da Rosa

PhD Thesis defense: 08/07/2019

Current position: Researcher at ERC project ARTSOUNDSCAPES, Universitat de Barcelona

Period: 01/2020-12/2021



European Researcher's Night (2021)
Authorship: Centre Cor de Maria (Valls)

Outreach & Science Communication

Outreach Activities

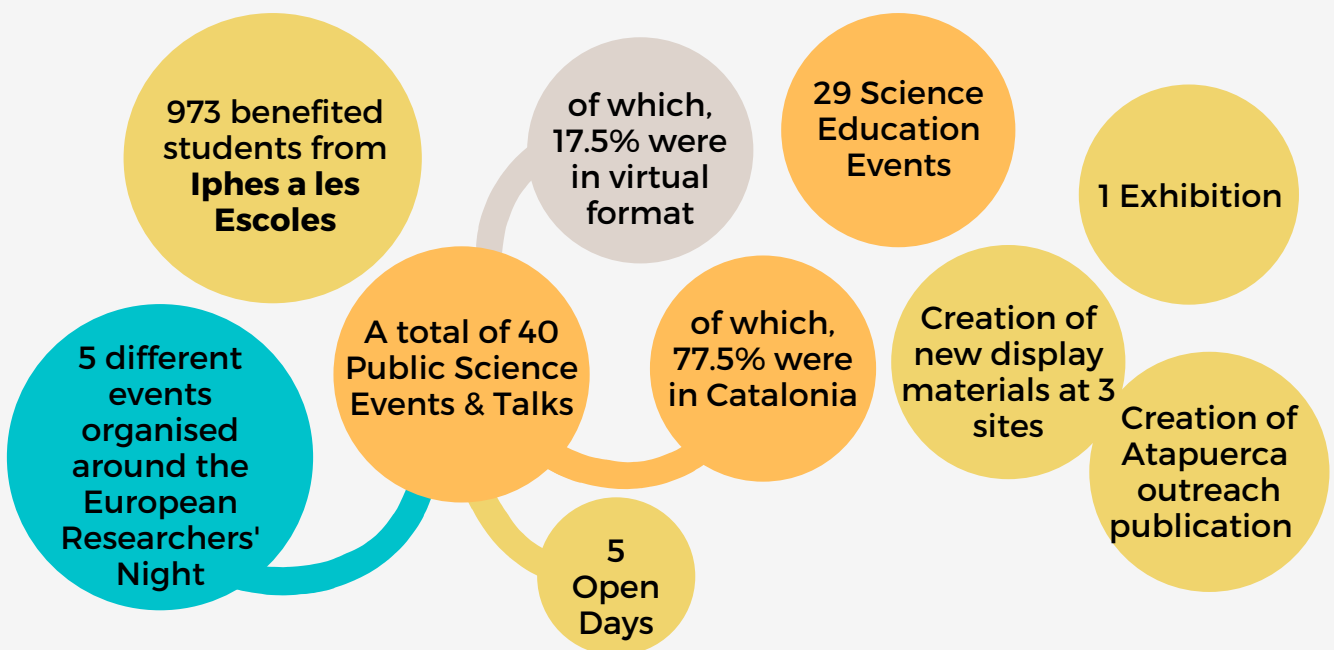
Besides research and university teaching, outreach is a core activity at IPHES-CERCA. One researcher and one technician are assigned to this task, and within the centre, it is highly encouraged that all researchers undertake outreach activities.

There are three running programs lead by Miquel Guardiola (our outreach technician): the Science Education program '**Iphes a les Escoles**' and the Public Science programs '**Humans i Pedres**' and '**De les comunitats caçadores a les ramaderes**'.

Iphes a les Escoles has been on for 10 years and aims at stimulating the interest of scholars in archaeological research. The schools chosen for this program are mainly from municipalities which have an archaeological or paleontological site directed by IPHES-CERCA and public schools from Tarragona city. The contents of the program are adapted to the research carried out at the archaeological site which is nearby. **Humans i Pedres**, now on for 5 years, aims at offering a journey through the prehistoric times and Human Evolution, both with replicas of hominin skulls and of their lithic tools. Similarly, **De les comunitats caçadores a les ramaderes** program focuses on explaining the transition from the Paleolithic to the Neolithic.

Apart from that, researchers at IPHES-CERCA participate in yearly open days at the excavation sites, in public science events such as the **European Researchers Night**, and in science education girl mentoring/empowering programs, such as **Inspira STEAM** or **100tifiques**, specially targeted to reverse low percentages of girls starting tech and scientific careers.

The following pages contain a compilation of all outreach activities undertaken during 2021.



Public Science Events

Humans i Pedres

Location	Date	Audience
Santa Perpètua de Gaià	30/05/2021	50
Sarral	12/06/2021	45
Vimbodí i Poblet	30/06/2021	35
Vimbodí i Poblet	05/08/2021	65



1. Sarral 2. Vimbodí i Poblet

Open Days at Archaeo-paleontological Sites

Location	Date	Audience
Camp dels Ninots	28/05/2021	NA
Coves del Toll	25/07/2021	NA
Abric Romaní	16/08/2021	85
La Draga*	09/09/2021	NA
Barranc de la Boella	18/09/2021	250

Resarchers have also collaborated at Open Days from Museo de Prehistoria de Valencia (11/07/2021; Ruth Blasco) and at Valparaíso (03/12/2021; Francisco Javier García-Vadillo)
*co-directed by IPHES-CERCA researcher Jordi Revelles



1. Abric Romaní 2. Barranc de la Boella

More Public Science events & talks

Piedras, homínidos y monos: cómo determinar las actividades de nuestros antepasados

Organizer: Ateneo de Almagro
Location: Almagro (Ciudad Real)
Date: 15/1/2021
Researcher: **Adrián Arroyo**

El sapiens asesino y el ocaso de los neandertales

Organizer: Cultural Association: Locos por la Historia
Location: Virtual event
Date: 05 /02/2021
Researcher: **Bienvenido Martínez-Navarro**

Science Week/ Women in Science

Organizer: FECYT
Location: Virtual event
Date: 11/02/2021
Researcher: **Ruth Blasco**

Los primeros pobladores de Europa

Organizer: Museo de Ciencias Naturales, Universidad de Zaragoza
Location: Zaragoza
Date: 17/02/2021
Researcher: **Rosa Huguet**

El jaciment fòssilífer (Fossil-lagerstätte) del Camp dels Ninots (Caldes de Malavella, la Selva)

Organizer: Generalitat de Catalunya, Tribuna d'Arqueologia
Location: Virtual event
Date: 24/03/2021
Researchers: **Gerard Campeny, Bruno Gómez de Soler, Jordi Agustí**

El Konservat-Lagerstätte del Camp dels Ninots (Caldes de Malavella, la Selva)

Organizer: XIII Assemblea d'estudis
Location: Besalú (Girona, Spain)
Date: 9-10/04/2021
Researchers: **Gerard Campeny, Bruno Gómez de Soler**

Representacions rupestres de la cova de la Font Major a l'Espluga de Francolí

Organizer: Reial Societat Arqueològica de Tarragona
Location: Tarragona
Date: 15/04/2021
Researcher: **Josep Maria Vergès**

Visió antropològica de l'especie

Organizer: Ajuntament de Viladecans
Location: Viladecans (Barcelona)
Date: 07/05/2021
Researcher: **Eudald Carbonell**

El Homo sapiens sapiens: De dónde venimos, ¿a dónde vamos?

Organizer: Grup Inspiració 2022
Location: Manresa
Date: 13/05/2021
Researcher: **Eudald Carbonell**

Gastronomía en un bosque

Organizer: Grupo Godó

Location: Teià (Barcelona)

Date: 12/06/2021

Researcher: **Eudald Carbonell**

El sapiens asesino y el ocaso de los neandertales

Organizer: UNED-Baza, Aula de Cultura Dama de Baza

Location: Baza (Granada)

Date: 22/07/2021

Researcher: **Bienvenido Martínez-Navarro**

El sapiens asesino y el ocaso de los neandertales

Organizer: Asociación Argaria (Antas, Almería)

Location: Antas (Almería)

Date: 22/07/2021

Researcher: **Bienvenido Martínez-Navarro**

¿Y después de la excavación?

Organizer: Museo de la Evolución Humana

Location: Virtual event (Facebook Watch)

Date: 25 /07 /2021

Researcher: **Marina Lozano**

La evolución humana

Organizer: Universitat de Girona

Location: Girona

Date: 07/08/2021

Researcher: **Eudald Carbonell**

El origen y la evolución de la humanidad

Organizer: Liceu de Barcelona

Location: Barcelona

Date: 14/09/2021

Researcher: **Eudald Carbonell**

European Researchers' Night

Organizer: URV, ICIQ, ICAC, IISPV, IPHES-CERCA

Location: Varies (Tarragona, Reus, Valls)

Date: 23-24/09/2021

Researchers/technicians: **Ethel Allué, Marian Berihuete-Azorín, Nit Cano, Marina Lozano, Antigone Uzunidis, Miquel Guardiola, Marta Fontanals**

Alimentación, consumo de carne y evolución humana

Organizer: foodconciencia.com (Interview by Dr. Stella Alvarez)

Location: Virtual event

Date: 10/2021

Researcher: **Marina Lozano**

Evolución humana y conciencia operativa

Organizer: Jornadas Prehistóricas de Zamora, Concejalía de Cultura del Ayuntamiento de Zamora

Location: Zamora

Date: 05/10/2021

Researcher: **Eudald Carbonell**

Sapiens y colapso

Organizer: Auditori els Caputxins

Location: Figueres

Date: 14/10/2021

Researcher: **Eudald Carbonell**

Carnívoros o vegetarianos, ¿qué hemos sido y que podemos ser?

Organizer: foodconciencia.com (Interview by Dr. Stella Alvarez)

Location: Virtual event

Date: 16/10/2021

Researcher: **Marina Lozano**

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí i Gaià

Organizer: Amics de Tous

Location: Sant Martí de Tous (Barcelona)

Date: 24/10/2021

Researcher: **Bruno Gómez de Soler**

La Rivera del Marco y sus primeros pobladores: cuevas, ríos y terrazas (historia natural y cultural)

Organizer: Biblioteca pública (Cáceres)

Location: Cáceres

Date: 28/10/2021

Researcher: **Antoni Canals**

El paper de la dona a la Prehistòria (debat)

Organizer: Cadena SER Tarragona, cicle 'Amb veu de dona'

Location: Tarragona

Date: 05/11/2021

Researcher: **Marina Lozano**

Àrees de captació de sílex i mobilitat territorial dels grups caçadors-recol·lectors i primers agricultors durant la prehistòria: el projecte de Sant Martí de Tous

Organizer: Associació Amics de Tous

Location: Sant Martí de Tous (Barcelona)

Date: 06/11/2021

Researcher: **Bruno Gómez de Soler**

Nómadas, el origen de la creatividad humana

Organizer: Casa de la cultura Juan Valera, Doña Mencía (Córdoba)

Location: Córdoba

Date: 12/11/2021

Researcher: **Eudald Carbonell**

Nenadertales delante de la historia

Organizer: Seminario Francisco Sousa

Location: Sevilla

Date: 13/11/2021

Researcher: **Eudald Carbonell**

Atapuerca, pasado, presente y futuro

Organizer: Museo de la Evolución Humana, Grupo Edelwis

Location: Burgos

Date: 17/11/2021

Researcher: **Eudald Carbonell**

Science is Wonderful! 2021 (MSCA)

Organizer: European Commission

Location: Virtual event

Date: 22-26/11/2021

Researcher: **Marian Berihuete-Azorín**

El santuari paleolític de la cova de la Font Major dos anys després del seu descobriment

Organizer: Museu Comarcal de la Conca de Barberà

Location: Montblanc

Date: 01/12/2021

Researcher: **Josep Maria Vergès**

L'art moble del Molí del Salt (Vimbodí i Poblet)

Organizer: Museu Comarcal de la Conca de Barberà

Location: Montblanc

Date: 02/12/2021

Researcher: **Manuel Vaquero**

Evolución, conflicto y resolución

Organizer: Jornadas de Mediación del Centro de Mediación de Cataluña

Location: Barcelona

Date: 15/12/2021

Researcher: **Eudald Carbonell**

Exhibitions & Display Materials

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí i Gaià

Type: Exhibition

Location (1): Consell Comarcal Conca de Barberà

Dates: 30/05/2021

Location (2): Local Social Amics de Tous (Sant Martí de Tous, Anoia)

Dates: 24/10/2021-21/11/2021

Coves del Toll i Teixoneres didactic panels

Type: Display material

Funder: Museu Coves del Toll, Ajuntament de Moià

Cingles de la Cova de la Vila i Cova Serena didactic panels (La Febró)

Type: Display material

Funder: Fons Europeu Agrícola de Desenvolupament Rural (FEADER), Ajuntament de la Febró, IPHES-CERCA

Cova de la Font Major paleolithic engravings video display & booklet

Type: Display materials

Funder: Ajuntament de l'Espluga de Francolí

Science Education

Iphes a les Escoles

Educational Centre	Location	Date	Grade	Benefited students
Institut Tarragona	Tarragona	13/03/2021	High school	100
La Portalada	Altafulla	13/04/2021	Elementary	65
Mare de Déu de la Serra	Montblanc	14/04/2021	High school	56
Escola de Pràctiques	Tarragona	27/04/2021	High school	50
Inst. Berenguer d'Entesa	Hospitalet de l'Infant	27/04/2021	High school	45
ZER Francolí	La Riba	25/05/2021	Elementary school	30
Casal Mediterrani	Tarragona	26/07/2021	High school	53
La Portalada	Altafulla	18/10/2021	Elementary school	40
Collblanc	La Canonja	16/11/2021	High school	90
La Canonja	La Canonja	17/11/2021	Elementary school	48
Campclar	Tarragona	18-19/11/2021	High school	115
Mas Clariana	Cambrils	01-02/12/2021	Elementary school	71
La Sínia	Cerdanyola del Vallès	03/12/2021	Elementary school	50
Martí Franquès	Tarragona	15-16/12/2021	High school	160
Total benefited students				973



1. ZER Francolí
2. Casal Mediterrani



3. La Portalada
4. La Canonja
5. Inst. Campclar

More Science Education actions

Inspira StEAM

Organizers: University Destuo

Location: Tarragona, Torredembarra

Dates: February to May

Researchers: **Amèlia Bargalló; Marian Berihuete, Ruth Blasco, María Gema Chacón, Marina Lozano**

#100tifiques

Organizers: Fundació Catalana per la Recerca and Barcelona, Institute of Science and Technology

Location: Barcelona

Date: 11/02/2021

Researchers: **Andión Arteaga, Patricia Martín, Chiara Messana**

Què és una arqueòloga?

Organizer: Escola Sagrat Cor del Vendrell

Location: El Vendrell

Date: 22/02/2021

Researcher: **Rosa Huguet**

Los huesos y sus historias

Organizer: IED Diego Marín Aguilera

Location: Burgos

Date: 22/03/2021

Researcher: **Ruth Blasco**

How is it to have a Professional Career in Science

Organizer: Institut Martí Dot

Location: Sant Feliu de Llobregat

Date: 13/04/2021

Researcher: **Beatriz Gamarra**

Cicle de conferències: Primats

Organizer: Institut Joan Miró

Location: Cornellà de Llobregat

Date: 16/04/2021

Researcher: **Beatriz Gamarra**

L'ofici d'arqueòloga: El CSI del passat

Organizer: UCCC+i de la URV, Institut Roseta Mauri

Location: Reus

Date: 20/09/2021

Researcher: **Amèlia Bargalló**

La prehistòria: Com eren i com vivien els nostres avantpassats

Organizer: CEIP Cesar August

Location: Tarragona

Date: 28-29/09/2021

Researcher: **Marina Lozano**

"Per què sóc/ets arqueòloga?"

Organizer: CEIP Cesar August

Location: Tarragona

Date: 11/2021

Researcher: **Marina Lozano**

Quatre pinzellades sobre Evolució Humana

Organizer: Escola les Codinetes,

Location: La Nou de Gaià

Date: 23/11/2021

Researcher: **Amèlia Bargalló**

Evolució Humana i Evolució Tecnològica

Organizer: Insitut-Escola l'Agulla

Location: El Catllar (Tarragona)

Date: 25/11/2021

Researchers: **Isabel Cáceres, Isabel Expósito**

Climatic changes and human evolution

Organizer: EM La Sínia

Location: Cerdanyola del Vallès

Date: 03/12/2021

Researcher/technician: **Marina Lozano, Miquel Guardiola**

Outreach Materials

Historias de Atapuerca - Capítulo 0

<https://evolucion.org/historias-de-atapuerca/>

Funder: MICIU-PGC2018-093925-B-C32

Researchers/technicians involved: **Marina Mosquera, Miquel Guardiola**

Dones a la història de Tarragona: Dones a la prehistòria

<https://www.tarragona.cat/patrimoni/museu-historia/activitats/dones-a-la-historia-de-tarragona/2a-temporada>

Produced by: Ajuntament de Tarragona

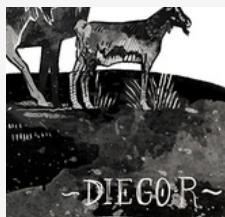
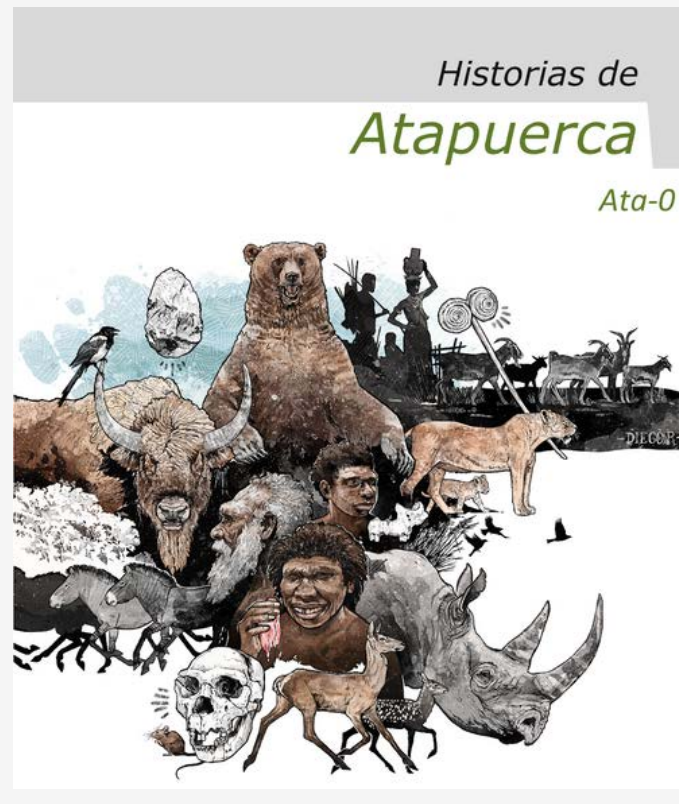
Researcher involved: **Marina Lozano**

Talkin' Tropics Podcast Series - Episode 4

<https://open.spotify.com/show/7LS9nk8vTagMDyeDEMITJp>

Produced by: Pantropica

Researcher involved: **Pam Akuku**



Science Communication

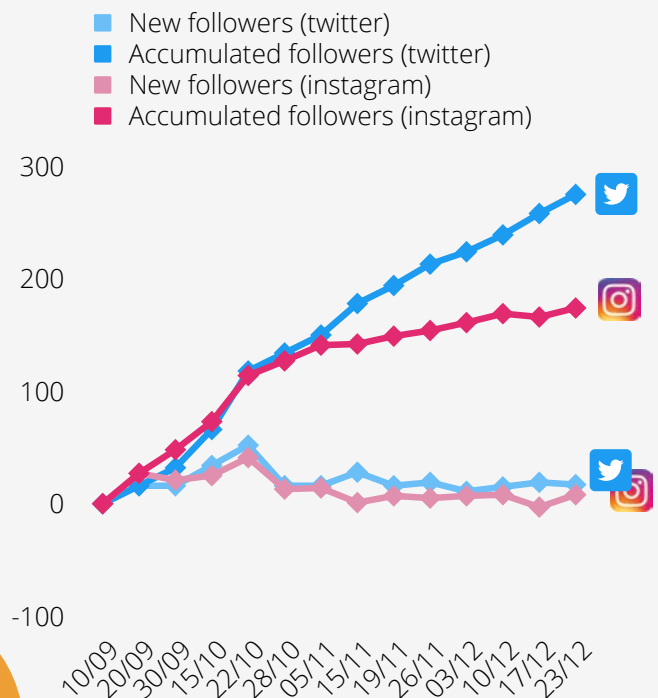
IPHES-CERCA has a strong will of communicating scientific results to non-expert audiences. For this, press releases are generated which cover the main results of research projects and excavations, and which are sent to the mass media. A clipping platform has allowed to quantify the media impact of such press releases: they have been covered in a total of 1019 news. Such press releases are also echoed in IPHES-CERCA's **social media profiles**, alternating with other regular content which is created with the purpose of engaging the audience.

Besides that, IPHES-CERCA researchers and technicians participate in a byweekly radio section, **Evoluciona**, at **Tarragona Ràdio**, aimed at covering a wide range of topics such as scientific results, activities undergone by IPHES-CERCA members or more generalistic Prehistory-related contents. This year, a new collaboration has been also set with **Espluga FM Ràdio**, the so-called space **Un vermut amb l'IPHES**, which consists of a monthly interview with one researcher with a strong connection to Tarragona province-based projects.

IPHES-CERCA members collaborate regularly with **El Periódico de Atapuerca** journal and are also occasionally contacted by mass media to comment on recent publications addressing Human Evolution and Prehistory-related latest scientific results.



Social Media
(engagement as in followers)



Newspaper articles

Senglars de 45.500 anys assenyalen el bressol de l'art rupestre

<https://www.elperiodico.cat/ca/ciencia/20210113/indonegravesia-obra-art-antiga-humanitat-11453322>

Newspaper: El Periódico

Published: 13/01/2021

Author: **Ramón Viñas**

Ancient woman may have been powerful European leader, 4,000-year-old treasure suggests

<https://www.nationalgeographic.com/history/article/ancient-woman-powerful-european-leader-4000-year-old-treasure-suggests>

Media: National Geographic

Published: 11/03/2021

Author: **Marina Lozano**

Lo que una diadema de plata cuenta sobre el poder de las mujeres hace 4.000 años

<https://elpais.com/ciencia/2021-03-11/lo-que-una-diadema-de-plata-cuenta-sobre-el-poder-de-las-mujeres-hace-4000-anos.html>

Newspaper: El País

Published: 11/03/2021

Author: **Marina Lozano**

¿En qué área geográfica tuvo lugar el cruce entre neandertales y sapiens?

<https://elpais.com/ciencia/2021-04-14/en-que-area-geografica-tuvo-lugar-el-cruce-entre-neandertales-y-sapiens.html>

Newspaper: El País

Published: 14/04/2021

Author: **María Gema Chacón**

Un fósil de 130.000 años revoluciona el árbol evolutivo de la especie humana

<https://www.elperiodico.com/es/ciencia/20210624/descubrimiento-homonasher-ramla-science-11853600>

Newspaper: El Periódico

Published: 24/06/2021

Author: **Carlos Lorenzo**

Solo un 5% de nuestros genes nos diferencia de los neandertales

<https://www.elperiodico.com/es/ciencia/20210716/diferencia-genes-sapiens-neandertales-denisovanos-11916011>

Newspaper: El Periódico

Published: 16/07/2021

Author: **Marina Lozano**

Jo penso, tu penses, ells pensaven: com els neardentals van desenvolupar el pensament simbòlic

https://www.ara.cat/dossier/penso-penses-pensaven-neardentals-desenvolupar-pensament-simbolic_1_4166111.html

Newspaper: Diari Ara

Published: 02/11/2021

Author: **Marina Mosquera**

Zurdos bajo la dictadura diestra

<https://www.diaridetarragona.com/cultura-vida/Zurdos-bajo-la-dictadura-diestra-20211127-0009.html>

Newspaper: Diari de Tarragona

Published: 28/11/2021

Author: **Marina Lozano**

La especie que triunfó gracias a las abuelas

<https://elpais.com/ciencia/2021-12-18/la-especie-que-triunfo-gracias-a-las-abuelas.html>

Newspaper: El País

Published: 18/12/2021

Author: **Marina Lozano**

Magazines' contributions

Malz im Pfahlbau

Magazine: Archäologie in Deutschland

Published: 01/2021

Authors: Von Andreas G. Heiss, Elena Marinova, **Marian Berihuete-Azorín**

Gobustan: Un laboratorio sulla roccia

<https://www.archeologiaviva.it/16072/gobustan/>

Magazine: Archeologia Viva

Published: 01-02/2021

Authors: Sigari, D., García Diez, M., Shirinli, S., Abdullayev, R., Ochoa-Fraile, B., **Manuel Vaquero**

Tafonomía en educación primaria

<https://www.grao.com/es/producto/tafonomia-en-educacion-primaria-au30299024>

Magazine: Revista Aula

Authors: Mónica Muñoz, Celia Precioso, María Ferrando, Olalla Veiga, Diego Arceredillo, **Ruth Blasco**

La extinción de una especie humana: el ocaso de los neandertales

https://historia.nationalgeographic.com.es/edicion-impresa/articulos/ocaso-neandertales_17222

Magazine: National Geographic

Published: 11/03/2021

Author: **Antonio Rodríguez-Hidalgo**

El Periódico de Atapuerca contributions

Aprendiendo Evolución Humana en época de pandemia

Número: 02/2021

Authors: **Ethel Allué, Cinta S. Bellmunt, Eudald Carbonell, Robert Sala Ramos, Andrea Díaz, Miguel Ángel Moreno**

El IPHES se une al Día Internacional de la Mujer y la Niña en la Ciencia

Número: 02/2021

Author: **Patricia Martín**

Nuevos datos sobre el clima durante el Pleistoceno medio a partir del estudio de roedores fósiles

Número: 03/2021

Author: **Juan Manuel López-García**

Las mujeres del IPHES-CERCA

Número: 03/2021

Authors: **Ethel Allué, Gala Gómez Merino, Marta Fontanals**

Nuevos fósiles de macaco de Berbería

Número: 03/2021

Author: **Antonio Rodríguez-Hidalgo**

El fuego en la prehistoria

Número: 04/2021

Author: **Aitor Burguet-Coca**

Descubren una nueva especie de lobo en Orce (Granada)

Número: 05/2021

Author: **Bienvenido Martínez-Navarro**

El efecto de la materia prima en la identificación de la habilidad en la talla

Número: 05/2021

Authors: Tomos Proffitt, **Amèlia Bargalló**, Ignacio de la Torre

Hallan por primera vez pisadas de un mamífero de hace 3,1 millones de años en el yacimiento de Camp dels Ninots

Número: 06/2021

Author: **Marina Mosquera**

Un nuevo contexto conductual olduvayense en Barranco León (Granada, España)

Número: 06/2021

Authors: **Steffania TITTON**, Juan Manuel Jiménez Arenas, **Deborah Barsky**

Un estudio multidisciplinar analiza la evolución de la dieta de las primeras comunidades agropastoriles de La Gran Planicie Húngara

Número: 06/2021

Authors: **Raquel Hernando**, **Beatriz Gamarra**

Estrategia de subsistencia de los neandertales

Número: 06/2021

Author: **Juan Marín**

Reconstruyendo el ecosistema fluvial en Atapuerca durante el último mollón de años

Número: 07-08/2021

Author: Gloria Cuenca Bescós, **Hugues-Alexandre Blain**

La multiplicidad explica el Achelense tardío

Número: 07-08/2021

Author: **Deborah Barsky**

Stepping from Atapuerca to Happisburgh /Caminando desde Atapuerca hasta Happisburgh

Número: 07-08/2021

Author: **Marina Mosquera**

Cova Eirós (Triacastela, Lugo)

Número: 09/2021

Author: **Xosé Pedro Rodríguez-Álvarez**, Arturo de Lombera

Abric Romaní (Capellades, Barcelona)

Número: 09/2021

Author: **Palmira Saladié**

Cueva 338 (Queralbs, Gerona)

Número: 09/2021

Authors: **Carlos Tornero**, **Celia Díez-Canseco**

La Boella (La Canonja, Tarragona)

Número: 09/2021

Authors: **Palmira Saladié**, **Josep Vallverdú**

La Cansaladeta, yacimiento clave del Pleistoceno Medio en el noreste peninsular

Número: 09/2021

Author: **Görkem Cenk Yesilova**, **Josep Maria Vergès**, **Andreu Ollé**

Microscopía de alta resolución a los restos humanos de la cueva de El Mirador

Número: 10-11/2021

Author: **Marina Lozano**

TD6, ¿Arrastrado, lavado o 'in situ'?

Número: 10-11/2021

Author: **Palmira Saladié**

El volcán de Ninots

Número: 10-11/2021

Author: **Bruno Gómez de Soler**

Éxito del IPHES-CERCA en la obtención de becas competitivas

Número: 12/2021

Author: **Xosé Pedro Rodríguez-Álvarez**

Las otras huellas de Laetoli

Número: 12/2021

Author: **Carlos Lorenzo**

Programa Evolucionaria (Tarragona Ràdio)

Date: 21/01/2021 (18')

https://www.tarragonaradio.cat/evolucionaria_els_hominins_que_vivien_a_tanzani_a_fa_2_milions_danys_explotaven_ecosistemes_molt_diversos/

Interviewees: **María Soto**, **Ethel Allué**

Date: **27/01/2021** (22')

https://www.tarragonaradio.cat/evolucionaria_dimecres_27_de_gener/

Interviewees: **Carlos Lorenzo**, **Miquel Guardiola**

09/02/2021 (20')

https://www.tarragonaradio.cat/evolucionaria_dimarts_09_de_febrer/

Interviewees: **Marina Lozano**

Date: 23/02/2021 (13')

https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona_restauracio_i_conservacio_de_fossils_dos/

Interviewees: **Andrea Díaz, Noé Valtierra**

Date: 09/03/2021 (16')

https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona_liphes_participa_al_programa_steam/

Interviewees: **Amèlia Bargalló, Marian Berihuete**

Date: 23/03/2021 (15')

https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona_avencos_tecnologics_i_de_subsistencia_dara_fa_450000_anys/

Interviewees: **Hugues-Alexandre Blain, Andreu Ollé, Paula García-Medrano,**

Date: 06/04/2021 (18')

https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona_national_geographic_estrena_nedertales_el_ultimo_refugio_amb_la_participacio_de_liphes/

Interviewees: **Jordi Rosell, Miquel Guardiola**

Date: 16/06/2021

<https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona-industria-litica-al-jaciment-dorce/>

Interviewees: **Amèlia Bargalló, Robert Sala**

Date: 26/10/2021 (50')

<https://www.tarragonaradio.cat/comenca-la-quinzena-temporada-de-lespai-evolucionaradio.cat/comenca-la-quinzena-temporada-de-lespai-evolucionaradio-amb-liphes-i-tarragona-radio/>

Interviewees: **Eudald Carbonell, Jordi Agustí**

Date: 10/11/2021 (50')

<https://www.tarragonaradio.cat/evolucionaradio.cat/evoluciona-segon-programa-de-la-quinzena-temporada/>

Interviewees: **Robert Sala, Ethel Allué, Marian Berihuete-Azorín**

Date: 23/11/2021 (50')

<https://www.tarragonaradio.cat/arqueologia-de-liphes-que-revela-els-atacs-de-los-a-la-val-daran/>

Interviewees: **Jordi Rosell, Miquel Guardiola**

Un Vermut amb l'IPHES (Espluga FM Ràdio)

Date: 05/10/2021 (15')

<https://www.efmr.cat/blog/2021/10/05/informatius-laltaveu-del-dimarts-5-doctubre-de-2021/>

Interviewees: **Josep Maria Vergès**

Date: 02/11/2021 (15')

<https://www.efmr.cat/blog/2021/11/02/informatius-laltaveu-del-dimarts-2-de-novembre-de-2021/>

Interviewees: **Gala García-Argudo**

Date: 30/11/2021 (15')

<https://www.efmr.cat/blog/2021/11/30/informatius-laltaveu-del-dimarts-30-de-novembre-de-2021/>

Interviewees: **Ethel Allué**



Microscopy-Lithic Technology lab
Authorship: Maria Guillén

Scientific and Technical Services & Knowledge- Transfer

Scientific & Technical Services

Within IPHES-CERCA there are dedicated facilities to the processing, restoration and storage of different types of archaeological, paleontological and geological samples. Several laboratories and units can be distinguished, which are mainly dedicated to in-house support-to-research activities, but which also carry out analyses for third parties.

Apart from the technical duties, the technicians designated to each of the units also collaborate by doing teaching and demonstrating and by training either technical staff or students from Bachelor's and Master's level University Degrees at URV.

A slight description of such units, including main activities undergone in 2021, are given below:

The **Archaeobotany Unit** is designated to the processing and mounting of palynological and phytolith samples, as well as to the flotation of small samples to recover carbonized materials.

In-house support-to-research	
Extraction of palynological residue from sedimentary samples for radiocarbon AMS dating	
Processing of sedimentary samples for pollen analysis	
Third-parties services provided	
Service	Client
Extraction of palynological residue from 4 sedimentary samples for radiocarbon AMS dating	University of Washington
Palynological study of core CG 3.1 (Moixent, València)	Universitat de València
Extraction of palynological residue from 6 sedimentary samples from SJ12 deposit for radiocarbon AMS dating	University of Washington
Processing of 11 sedimentary samples from Fardowsa site (Somaliland) for pollen analysis	Consejo Superior de Investigaciones Científicas (CSIC)
Processing of 30 sedimentary samples from Mooswinkel site (Austria) for pollen analysis	Australian Archaeological Institute (OeAI)
Processing of 24 sedimentary samples from Troiboden site (Austria) for pollen analysis	Institute for Interdisciplinary Mountain Research (IGF)
Processing of 6 sedimentary samples from Mitterberg site (Austria) for pollen analysis	Institute for Interdisciplinary Mountain Research (IGF)
Processing of 8 sedimentary samples from Rafal Rubí (Menorca) for pollen analysis	Amics del Museu de Menorca
Study of phytoliths from Monestir de Pedralbes	Fundació Bosch Gimpera
Extraction of palynological residue for radiocarbon AMS dating from 12 sedimentary samples from Llanada and Erms Tancada (Baix Ebre) deposits	Fundació Bosch Gimpera
Processing of 100 sedimentary samples from different sites for pollen analysis	Consejo Superior de Investigaciones Científicas (CSIC)
Processing of 200 sedimentary samples from different sites for pollen analysis	Universidad del País Vasco
Extraction of palynological residue from 2 sedimentary samples for radiocarbon AMS dating	Facultad de Ciencias, Universidade de Lisboa
Palynological analysis of Assut and MAC deposits (Tivenys, Baix Ebre)	Universitat Rovira i Virgili

CERCAGINYS

The **Biomolecular Archaeology Unit** is dedicated to fauna microwear and mesowear analyses as well as to the preparation of archaeological and paleontological samples for biomolecular analyses, including stable isotope and trace element analyses.

In-house support-to-research

Preparation of more than 50 moulds of teeth for microwear and mesowear analyses

The **Geoarchaeology Lab** is dedicated to the preparation of thin sections (both of rocks and soils) for petrologic and micromorphological studies, and the study of soils.



In-house support-to-research

Preparation of thin sections

Preparation of bone samples related for taphonomical studies

Preparation of bone samples related for osteological studies of microvertebrates remains

Third-parties services provided

Service

Client

Thin sections preparation

Institut Català d'Arqueologia Clàssica

The **Microscopy-Lithic Technology Unit** is dedicated to the preparation of lithic technology samples for their study and the use of the microscopes for the analyses of different materials.

Activity

Reorganization of lithic laboratory to enable the installation of a new confocal microscope

Tutorials and demonstrating on the use of microscopes

Creation of an application to facilitate the processing of material loans

Participation in the organisation of 13th International Symposium on Knappable Materials

The **Micropaleontology Unit** is dedicated to the study of small vertebrate paleontological samples, such as fishes, amphibians reptiles, birds and certain mammals.

Activity

Development of the protocol of the Reference Collection of Microvertebrates and the Taphonomic Experimental Collection

Expansion of the reference osteological collection

Processing field equipment loans

Management of sediment inputs

Establishment of a collaboration agreement with wildlife recovery center (Centre de Recuperació d'Ambifis i Rèptils de Catalunya)

The **Conservation Unit** performs the different interventions on conservation and restoration and it is dedicated to the treatment of archaeo-paleontological materials. It can treat both small and large fossils, such as mammoth remains.

Activity
Conservation, restoration in fieldwork campaigns (Atapuerca, Camp dels Ninots, Barranc de la Boella, Coves del Toll i Teixoneres)
Several conservation interventions at IPHES-CERCA facilities
Organisation of RCR Hueso, 1st Meeting in Bone Conservation

Third-parties services provided	
Service	Client
Conservation and analysis of skeletons from Camp dels Ninots site	Institute of Geology of the Czech Academy of Sciences

The **Collections Service** is designated to the archive and correct preservation of archaeological and paleontological materials.

Activity
Return of materials from Sierra de Atapuerca to CENIEH (2009 excavation campaign)
Return of materials from Molí del Salt to Museu Comarcal Conca de Barberà (2002-2003 excavation campaign)
Codification of 2010-2012 material from El Mirador and Gran Dolina field campaigns
Reception of archeological samples from 2021 excavations
Report on reorganization of spaces at Collections Unit
Management of 61 loans
Creation of a database of moulds and casts
Transference of experimental technological reference collection materials for their exhibition at CCCB and Espacio Fundación Telefónica

Information Systems in Archaeology Unit focuses on applying information and communication technologies to archaeological research, and manages cluster computing equipment for the management and analysis of archaeo-paleontological datasets.

Activity
Design of the IPHES-CERCA's procedures for Open Science and Research Data Management
Advisement on the writing of project-related Data Management Plans
Compilation of a thesaurus of keywords used by IPHES-CERCA researchers

The **Archaeological Photography Unit** has a wide variety of photographic material for the documentation of the archaeopaleontological material, including a 3D scanner.

Activity
Photography of archaeopaleontological materials of more than 25 deposits conducted by IPHES researchers
Photography of materials from about 15 deposits of external researchers
Photographic documentation of the Macrofaunal Reference Collection
Photographic monitoring of the excavation work and the materials recovered during Atapuerca and Abric Romaní fieldwork
Photographic coverage of seminars, conferences, lectures, formation sessions, meetings or researchers visits

Knowledge-Transfer

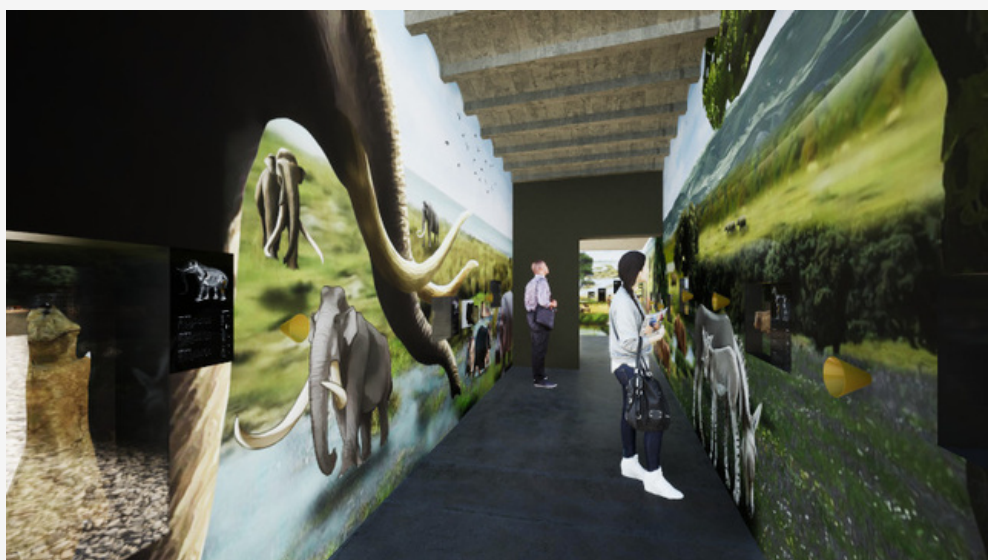
IPHES-CERCA is currently developing several knowledge transfer programs carried out in collaboration with scientific institutions, public administration, civil associations, and private companies through engagement processes or agreements.

One of the most relevant program is related to the heritage enhancement process of some archaeological sites as tourist assets, with the municipalities involvement. It is the case of the archeo-paleontological site of Camp dels Ninots, (Caldes de Malavella, Girona), through the creation of and interpretative trail and the visitor's centre AQUAE, and at the Barranc de la Boella site (La Canonja, Tarragona), through the RIS3CAT PECT "TurisTic en família" FEDER project and the creation of Mammuthus visitor's centre.

Moreover, IPHES-CERCA is boosting several knowledge transfer initiatives based on scientific assessment and contents provision of some consolidated archaeological parks, like the NEAN-Parc Prehistòric de Capellades and Cova de la Font Major.

A compilation of all the agreements and other knowledge-transfer outputs generated during 2021 is provided in the following pages.

- 1. Drawing of the futur 'fauna' space at Mammuthus visitor centre
- 2, 3. Meetings at Ajuntament de la Canonja as part of RIS3CAT PECT project (28/07/2021, 12/11/2021)



Specific Agreements & Memorandums of Understanding

Type of agreement & description	Entity	Date
Collaboration agreement - Evaluation of mechanical properties of bones	Fundació URV	29/01/2021
Collaboration agreement - Support to InspiraSTEAM project	Universidad de Deusto	10/02/2021
Collaboration agreement - Assignment of IPHES images authorship	Cambridge University Press	28/02/2021
Collaboration agreement - Funding for project "Primeros pasos humanos en América del Sur: caminando entre Gonfoterios"	Fundación Palarq	03/03/2021
Collaboration agreement - Funding for project "Estudio de los registros pleistocenos de la cuenca de Engel Ela-Ramud (Eritrea)"	Fundación Palarq	03/03/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Cantacorbs and Cova del Minaire	Ajuntament de Montblanc	15/04/2021
Memorandum of understanding - To strengthen research and dissemination actions and to facilitate reciprocal reception of researchers	Universitat Autònoma de Barcelona	16/04/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Molí del Salt	Ajuntament de Vimbodí i Poblet	16/04/2021
Collaboration agreement - Financial contribution to fieldwork 2021 campaign at Molí del Salt	Consell Comarcal de la Conca del Barberà	17/04/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Camp dels Ninots	Ajuntament de Caldes de Malavella	04/05/2021
Learning traineeship specific agreement - Curricular practical training at IPHES of 1 student from Dept. of Biochemistry and Biotecnology	Universitat Rovira i Virgili	06/05/2021
Memorandum of understanding - To boost bilateral cooperation in research and in the usage of scientific-technical services	Centro Nacional de Investigación en Evolución Humana	12/05/2021
Collaboration agreement - Use of premises at Castell de Caldes for research-related activities linked to Camp dels Ninots	Ajuntament de Caldes de Malavella	15/05/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Abric Romani	Ajuntament de Capellades	15/05/2021
Learning traineeship specific agreement - Curricular practical training at IPHES of 1 student from Dept. of English and German Studies	Universitat Rovira i Virgili	17/05/2021
Memorandum of understanding - To facilitate bilateral cooperation in research and in the usage of scientific-technical services	Universitat Internacional Catalunya	27/05/2021
Specific agreement - To study the paleoenvironmental sedimentary record of Camp dels Ninots	Universitat Autònoma de Barcelona	27/05/2021
Learning traineeship agreement - To establish collaborations for learning external traineeships	Universidade de Coruña	26/05/2021
Memorandum of understanding - To collaborate on performing amphibians and reptiles necropsies for comparative anatomy and other related studies	Centre de Recuperació d'Ambifis i Rèptils de Catalunya	02/06/2021

continues next page

continues

Type of agreement & description	Entity	Date
Learning traineeship specific agreement - Curricular practical training at IPHES of 1 student from Dept. of Admin and Finances	Institut Vidal i Barraquer	09/06/2021
Specific collaboration agreement - Financial contribution to fieldwork 2021 campaign at Cova de les Borres	Ajuntament de La Febró	23/07/2021
Register - Registration of IPHES-CERCA as a 'Taller de taxidermistes'	Generalitat de Catalunya	20/09/2021
Specific agreement (annex to) - Financial contribution to fieldwork 2021 campaign at Abric Romani	Ajuntament de Capellades	07/10/2021
Learning traineeship specific agreement - Curricular practical training at IPHES of 1 student from Dept. History and Art History	Universitat Rovira i Virgili	18/10/2021
3x Learning traineeship specific agreements - Curricular practical training at IPHES of 3 students from Dept. History and Art History	Universitat Rovira i Virgili	02/10/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Cova de la Font Major	Ajuntament de l'Espluga de Francolí	03/11/2021
Specific collaboration agreement - Financial contribution to fieldwork 2021 campaign at Barranc de la Boella	Ajuntament de La Canonja	08/11/2021
Memorandum of understanding - To strengthen bilateral cooperation in archaeological research and other studies	Universitat de Barcelona	08/11/2021
Specific agreement - Regulation of research stay of Dra. Vicenta Forgia at IPHES	Università degli Studi di Palermo	15/11/2021
Specific agreement - Financial contribution to fieldwork 2021 campaign at Can Sitjó	Ajuntament de Sant Martí de Tous	18/11/2021
Memorandum of understanding - To develop actions in scientific-technological infrastructures of the CERCA system	CERCA	19/11/2021

Intellectual Property Rights

Licenses	Sharing parties
Ownership agreement of ARCHE10 Version 1.0.1., a recording fieldwork archaeological data software	Universitat Rovira i Virgili, Universitat de Barcelona, IPHES- CERCA
Exploitation license of ARCHE10 Version 1.0.1.	Universitat Rovira i Virgili, Universitat de Barcelona, IPHES- CERCA, ALTOP, S.L.

Outreach Services

Service	Client
2x sessions "La intel.ligència dels animals"	Associació Athena
2x sessions "La revolució neolítica"	Institut Ximena d'Urrea
1x session "Humans i pedres"	Associació Olea
1x session "Humans i pedres"	Institut Can Periquet
2x sessions "De caçadors a ramaders"	Ágora Lleó International School
3x sessions "De caçadors a ramaders"	CEIP Pinto Sorolla

Technical Reports & Scientific Assessments

Title and category	Partner	Participants
Anàlisi palinològica de la Plana del Castell (Cunit, Baix Penedès) Scientific-technical report	Ajuntament de Cunit	Isabel Expósito
Projecte de declaració de la Cinglera del Capelló com a Bé Cultural d'Interès Nacional Scientific assessment, technical report	Dept. Cultura, Generalitat de Catalunya	Palmira Saladié, María Gema Chacón, Josep Vallverdú
Projecte de declaració del jaciment de la Font Major com a Bé Cultural d'Interès Nacional Scientific assessment, technical report	Dept. Cultura, Generalitat de Catalunya	Josep Maria Vergès, Marta Fontanals
Pla Director del jaciment de la Cova de la Font Major (L'Espluga de Francolí, Tarragona) Scientific assessment, technical report	Dept. Cultura, Generalitat de Catalunya	Josep Maria Vergès, Marta Fontanals
Rambla Science project. PO FEDER Catalunya 2014-2020 Technical assessment	Ajuntament de Tarragona, ICIQ, URV, IISPV, ICAC	Marta Fontanals
Informe de las actuaciones de conservación y restauración en los materiales arqueopaleontológicos y paleoantropológicos del yacimiento de Cova Foradà (Oliva, Valencia) Technical report	Diputació de València, Museu de Prehistòria de València	Gala Gómez-Merino
Renovació museogràfica de l'espai Hominins (Sala de l'Univers, Secció Evolució, Cosmocaixa) Scientific assessment	Cosmocaixa, Obra Social "La Caixa"	Marina Lozano
Projecte Museogràfic Espai Cràter Scientific assessment	Indissoluble, Ajuntament d'Olot	Bruno Gómez de Soler
Escaneig 3D i fotogrametria dels Abrics de l'Apotecari Scientific assessment, technical report	Ajuntament de Tarragona	Josep Maria Vergès
Documentary "A cavall dels temps" Scientific assessment	Mallerich Films	Josep Maria Vergès
Projecte PaleoFebró: Viatge pels orígens i paratges de les Muntanyes de Prades a través de tres itineraris interpretatius Scientific assessment	Ajuntament de Prades, Ajuntament de La Febró	Josep Vallverdú
Autenticació de dos conjunts de pintures rupestres a les comarques de la Terra Alta i el Baix Ebre Scientific assessment, technical report	Dept. Cultura, Generalitat de Catalunya	Marta Fontanals
Postales para la divulgación científica en las escuelas chilenas Scientific assessment	Universidad de la Frontera (Temuco, Chile)	Juan Manuel López-García
Caixa didàctica "La Prehistòria" Scientific assessment	Escola les Codinetes (La Nou de Gaia, Tarragona)	Amèlia Bargalló

Training Provided

Scientific/technical training provided	Beneficiary	Supervisor
Curricular practices - URV Bachelor's Degree in History (URV History)	Andrea Rodríguez	Ethel Allué, Sandra Bañuls, Ana Fagoaga, Pedro Piñero
Curricular practices - URV History	Aurora Patiño	Beatriz Gamarra, Ethel Allué
Curricular practices - URV History	Mar Boix Burt	Ethel Allué, Sandra Bañuls
Scientific training - University of Ferrara LM in Quaternario, preistoria, arcaologia	Letizia Leonelli	Amèlia Bargalló
Scientific training in modern osteology of amphibians and reptiles - New University of Lisbon PhD Degree	Alexandre Guillaume	Hugues-Alexandre Blain
Scientific training in palinology - URV History	Santi Izaga	Isabel Cáceres
Scientific assessment in zooarchaeology and taphonomy - URV History	Diana Álvarez	Isabel Cáceres
Curricular practices in zooarchaeology and taphonomy - URV History	Santi Izaga	Isabel Cáceres, Paula Mateo
Curricular practices - URV-UOC Bachelor's Degree in Anthropology and Human Evolution (URV-UOC AHE)	Eva-María López Castillo	María Gema Chacón
Scientific training in lithic archeology inventories - URV-UOC AHE	Laura Cabezas, Marta Etxebarria	Maria Gema Chacón
Scientific training in palynological analyses - Erasmus Mundus Master's Degree in Quaternary Prehistory and Human Evolution (MQPHE)	Liz Charton	Isabel Expósito, Jordi Revelles
Scientific training in palynological analyses and interpretation - (MQPHE)	Julian Melbourne	Isabel Expósito
Scientific training in palynological analyses - MQPHE	David Tuneu	Isabel Expósito
Technical training in palynological analyses	Génesis Hernández	Isabel Expósito
Curricular practices - URV Master's Degree in Professional English-Spanish Translation	Barbara Husarova	Marta Fontanals
Curricular practices - Universidade da Coruña Master's Degree in Planning and Management of Destinations and Tourist Products	Iván Rey Rodríguez	Marta Fontanals
Technical training in restoration - Escola de Conservació i Restauració de Béns Culturals de Catalunya	Lucía Ponce Cerezo, Laura Pablo Blanco	Gala Gómez-Merino
Curricular practices - URV-UOC AHE	Marta de Echevarria Gilbert, Marta de Laura Cabezas	Elena Moreno Ribas, Marina Lozano
Technical training in restoration/conservation	Julia Jiskoot	Elena Moreno Ribas, Lucía López Polín
Technical training in restoration/conservation	María Martínez	Elena Moreno Ribas
Scientific training in palaeoethnobotany - (MQPHE)	Kate Carver	Jordi Revelles, Marian Berihuete-Azorín
Scientific training in zooarchaeology- MQPHM	Mahdi Al Aissa	Antonio Rodríguez-Hidalgo, Palmira Saladié
Scientific training in zooarchaeology- MQPHM	Javier Villalobos	Antonio Rodríguez-Hidalgo, Palmira Saladié
Curricular practices - URV History	Ariadna Timoneda	Josep Maria Vergès



Escuts dels 14 primers ajuntaments col·laboradors d'IPHES-CERCA

Xarxa de municipis IPHES

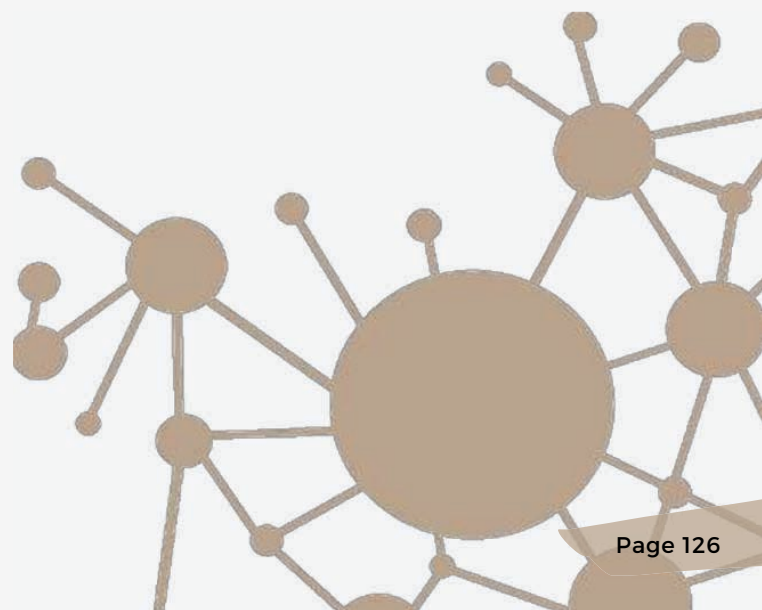
About Xarxa de Municipis

The basis of the research developed at IPHES-CERCA is located in the archaeopalaeontological sites. Since its inception, this research center has considered the municipalities where these sites are located as true partners and indispensable actors in the valorization of the Archaeological Heritage.

For this, in 2018, IPHES-CERCA created the Network of Municipalities IPHES (Xarxa de Municipis IPHES). The main goals of the Network of Municipalities IPHES are to strengthen such collaborations, and to boost research, academy and socialization activities. A special interest is located towards bringing science closer to society, and to develop activities such as conferences, visits to the archaeological fieldworks, exhibitions, visits to schools, workshops in libraries and participation in fairs in such municipalities.

In 2018, 14 municipalities that usually collaborate with IPHES-CERCA 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 current IPHES-CERCA 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, to the creation of spaces for the interpretation and enhancement of archaeological sites, or have been hosts for running Evolutionary-themed exhibitions.

Today, Xarxa de Municipis IPHES aims at visualizing the actions carried out at the different territories from Catalonia. Apart from the 14-awarded municipalities, in 2018 there were a total of 64 villages in Catalonia which welcomed IPHES-CERCA activities. Some of them were carried out thanks to the support of the Generalitat of Catalonia, of the Diputació de Tarragona and the Diputació de Barcelona. In 2019, the number of activities conducted around the territory increased to 158, distributed in 51 municipalities of the Xarxa de Municipis IPHES. In 2020, such activity decreased due to Covid-19 global pandemic, and a total of 75 activities were organised in 19 municipalities around Catalonia.



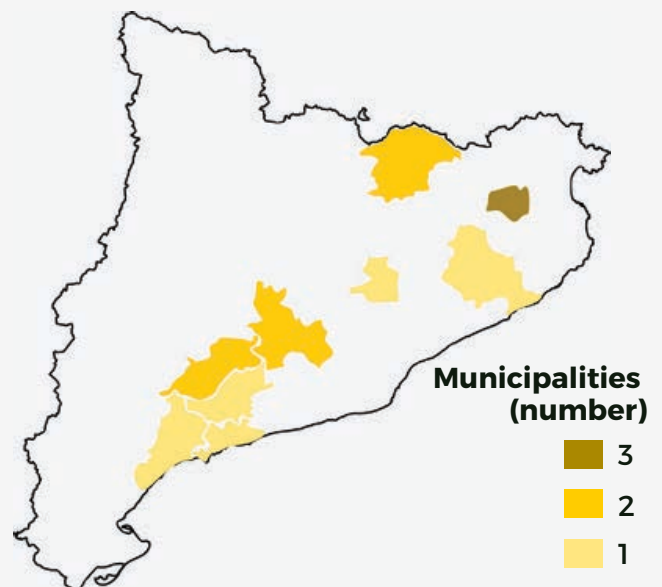
Activity in 2021

In 2021, the activity with the municipalities still reflects the effect of the global pandemic, as a certain amount of outreach activities were implemented in online format. Here we report the in-person activities:

- 14 municipalities welcomed fieldwork campaigns directed by IPHES-CERCA members, and 7 other welcomed fieldwork in which with IPHES-CERCA members participated
- 27 Public Science events were carried out in 17 different municipalities.
- 29 activities of Science Education were carried out in 16 different municipalities.
- 9 agreements were signed with municipalities.

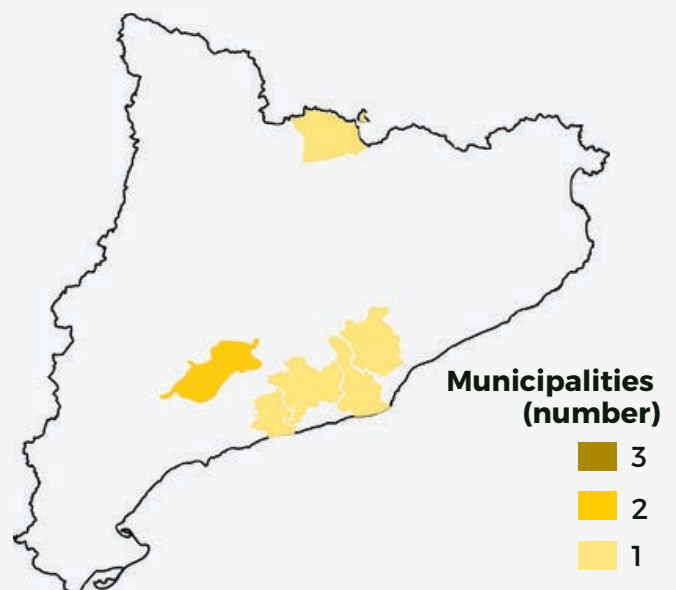
Fieldwork - Directed by IPHES

Banyoles (La Draga)
Caldes de Malavella (Camp dels Ninots)
Campdèvanol (Sota Palou)
Capellades (Abric de la Consagració, Abric Romaní)
Crespià (Incarcal)
La Canonja (Barranc de la Boella)
La Febró (Boca d'en Peixet, Cova de les Borres)
La Riba (La Cansaladeta)
L'Espluga de Francolí (Cova de la Font Major, Cova del Castell)
Moià (Cova de les Teixoneres, Cova del Toll)
Queralbs (La Bauma dels Fadrins, Cova 338, Pla dels Evangelis, Torrent d'Estremera)
Sant Martí de Tous (Cal Sitjo)
Serinyà (Cova d'en Pau)
Vimbodí i Poblet (Cova dels Xaragalls, Molí del Salt)



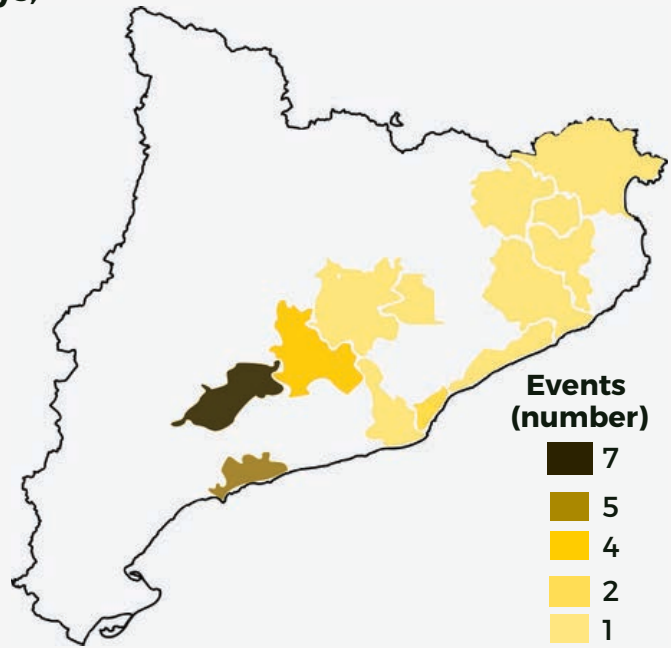
Fieldwork - Participation

Calafell (Balma de la Griera)
Collbató (Cova Gran de Montserrat)
Isòvol (Cova d'Olopte)
L'Espluga de Francolí (Sala del Llac)
Montblanc (Cantacorbs)
Sant Llorenç Savall (Cova de Simanya Gran)
Vilobí del Penedès (Les Guixeres de Vilobí)



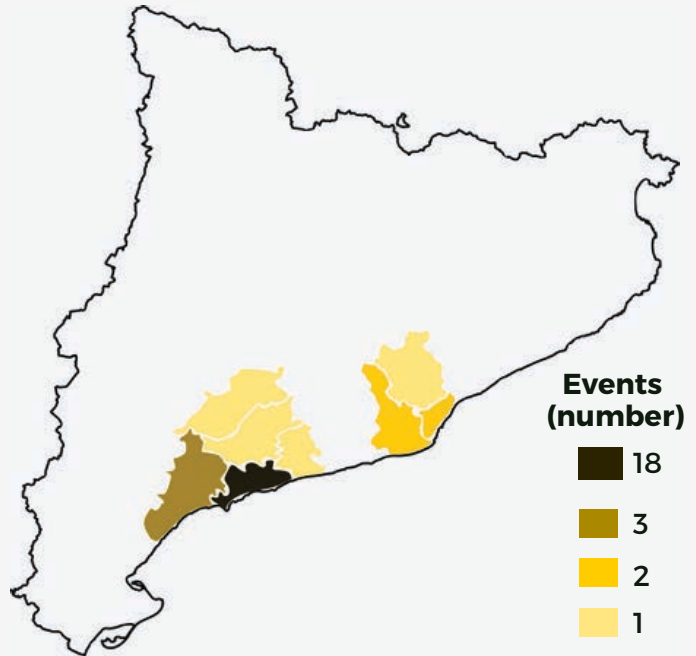
Public Science events (incl. open days, talks & exhibitions)

- Banyoles
- Barcelona
- Besalú
- Caldes de Malavella
- Capellades
- Figueres
- Girona
- Manresa
- Moià
- Montblanc
- Sant Martí de Tous
- Santa Perpètua de Gaià
- Saral
- Tarragona
- Teià
- Viladecans
- Vimbodí i Poblet



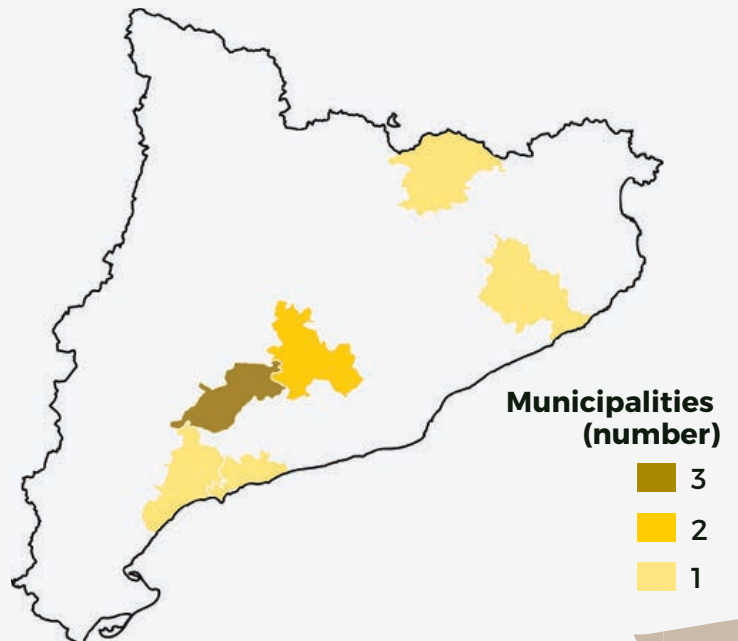
Science Education events

- Altafulla
- Barcelona
- Cambrils
- Cerdanyola del Vallès
- Cornellà de Llobregat
- El Catllar
- El Vendrell
- Hospitalet de l'Infant
- La Canonja
- La Nou de Gaià
- La Riba
- Montblanc
- Reus
- Sant Feliu de Llobregat
- Tarragona
- Torredembarra



Agreements with municipalities

- Aj. Caldes de Malavella
- Aj. Campdevàno
- Aj. Capellades
- Aj. La Canonja
- Aj. La Febró
- Aj. L'Espluga de Francolí
- Aj. Montblanc
- Aj. Sant Martí de Tous
- Aj. Vimbodí i Poblet





Zona Educacional 4, Edifici W3
Campus Sescelades URV
43007, Tarragona
Tel: 977 943 003
info@iphes.cat
www.iphes.cat
 iphes_cerca  iphes

Board of Trustees



UNIVERSITAT
ROVIRA I VIRGILI



AJUNTAMENT DE
TARRAGONA