

Institut Català de Paleoecologia Humana i Evolució Social (IPHES)

Campus Sescelades (edifici W3)
Zona educacional, 4 - 43007 Tarragona
Tel. 977 946 003
info@iphes.cat

Dr. Eudald Carbonell, director
Sr. Carles Prats Cots, gerent

Message from the Director

After working and building for ten years, we are now moving towards consolidating the Institut Català de Paleoecologia Humana i Evolució Social (IPHES). Over the course of the past ten years we have been thinking, working, generating scientific knowledge, and relentlessly pushing our project forward in the name of science.

I am very pleased to be involved in an endeavour with such a bright future ahead of it. It has truly been an honour for me. Although this institution primarily addresses the events of the past, we look to the future and are committed to the present of our species, *Homo sapiens*, which we are constantly exploring. Earth and life sciences give us the substrate on which to

form our thoughts, and creativity and history allow us to infer and reconstruct the past based on information available in

the present. This ability to derive feedback from analytical and systemic sources marked the beginning of this institution and is the key to its continuation.

All of this, of course, would not have been possible without a great team. For this reason, I thank my colleagues and friends who have accompanied me on this journey. We must of course discuss what we have achieved through the promotion of the Atapuerca cluster, with research institutes, a museum, interpretive centres, a foundation, etc., not to mention the bachelor's, master's, and doctoral degrees we have generated. But what I really want to do is talk about my team and its solid contribution to the advancement of knowledge.

Indeed, the place where we have managed to work, or the "shack" as some have so kindly referred to it, has been the perfect refuge for all of the efforts we have undertaken over the past 25 years. At the time we began, we couldn't yet dream of everything that had happened and we worked in precarious conditions with an uncertain future. Without the help of the Government of Catalonia, Rovira i Virgili University of Tarragona, and the collaboration of this city's council none of this would have been possible. Therefore, I am grateful to all who have supported us in the construction and maintenance of this organisation, because without their help that youthful dream would never have become such a utopia.

Everything has happened so fast and we have grown a lot from these projects. We went from a group to a structure made up of many teams. We have also gone from working in many different locations to working at key sites. Thus, in addition to Atapuerca (Burgos), Abric Romaní (Barcelona), and Orce (Granada), we also collaborate on projects in Dmanisi (Georgia), in a variety of places in Catalonia, and throughout the Iberian Peninsula and other continents. There are about 40 sites through which we can reconstruct the history of mankind. Work in the field, laboratory, and office have been the basis of our success as a structure.

We must continue forward with the same driving motivation: science is something that should be shared and should serve to build a better society. We have to work through multidisciplinary teams and think across disciplines and fields of expertise. It is my team who will make this possible. It's for this reason that I would like to conclude on the following note: Only you, with your willingness and capability, can move steadily towards a new consciousness where thought and knowledge will be put to the service of *Homo sapiens*. You, and only you, will be responsible for the future in which you must be able to apply yourselves intellectually and scientifically.

To the entire organisation, I wish you all my best.

Eudald Carbonell i Roura

Management

About us: Big general data for 2014

General Information

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

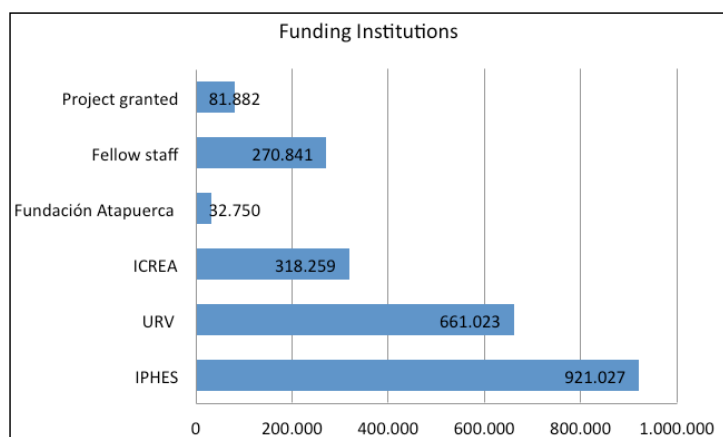
By the year 2014 we have maintained the number of JCR publications reaching 69 articles in journals of the highest standard in our field. We also have continued to widen the spectrum of multidisciplinary publications such as Nature, PNAS or PlosOne, among others.

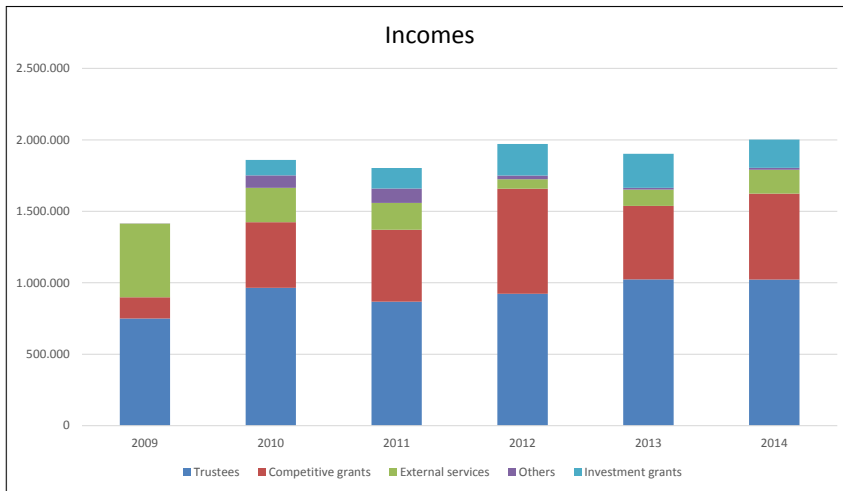
IPHES has been involved in all three stages of university studies (bachelor's, master's and doctorate) in collaboration with the Universitat Rovira i Virgili. During the year 2014 we have offered the following degree courses:

- Bachelor's Degree in History (URV)
- Bachelor's Degree in Anthropology and Human Evolution (URV/UOC)
- Master's Degree in Quaternary Archaeology and Human Evolution (Erasmus Mundus)
- Doctoral Programme in Quaternary and Prehistory (Erasmus Mundus)

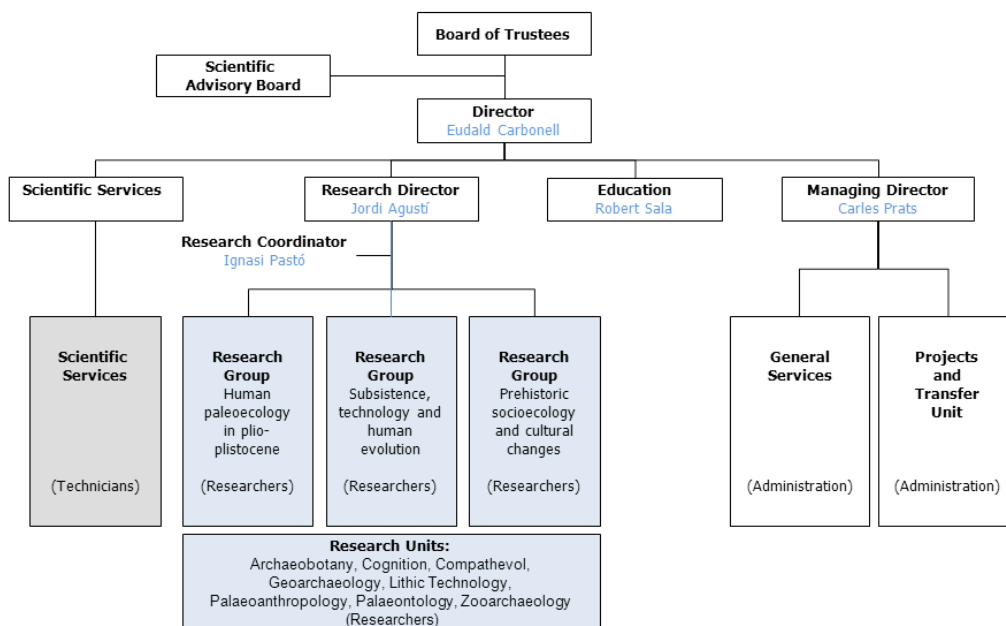
We also have organized and participated in a wide number of outreach activities throughout the year, with special emphasis on school-aged children to promote interest in the pursuit of science as a career, as well as to help citizens understand the importance of research and make informed decisions about scientific issues.

2014 has been again a difficult year economically speaking, and we had to work hard in order to balance our incomes and expenses. We have to thank to our trustees, the Catalan Government through the Economy and Knowledge Department (DECO), Rovira i Virgili University (URV) and the City of Tarragona for their continued support and to other funding institutions like ICREA, AGAUR, MINECO and Fundació Atapuerca.





During the year 2014 we have continued improving our internal organization. Our technical services have been integrated in the area of Scientific Services and the administration area has reorganized its services into two units, general services and projects and transfer units. We hope both units will better respond to the challenges of the coming years. Specifically the Projects and Transfer unit provide a specialized service to researchers in the preparation and management of projects as well as promotes the knowledge transfer and technical services to third parties and society.



2014 also meant the end of total investment in the new building located in University Campus Sescelades URV. In total, the invested amount since 2010 is 3.715.913,02 euros and it has been co-financed 50% by the European Regional Development Fund in the framework of the Operational Programme Objective 2 Regional Competitiveness and Employment ERDF Catalonia 2007 -2013.



The Institute has 3.150 m² devoted to outstanding facilities. Our labs are equipped in order to develop a wide range of archaeological research and we also have collections service supported by technical staff. With these new facilities we expect to improve the quality of our research and increase our scientific production as well as the socialization of knowledge and scientific and technical services.

IPHES is a member of CERCA system (Centres de Recerca de Catalunya). By the coming year, we are willing to increase our budget mainly from competitive public funds from the H2020 Program and FEDER Program (RIS3CAT 2014-2020) and we will also be highly involved in the integration of our Institute with two other research centers in Humanities, ICRPC (Catalan Institute in Cultural Heritage Research) and ICAC (Catalan Institute in Classical Archaeology).



Staff



Researchers

<i>Name</i>	<i>Speciality</i>	<i>Funder</i>	<i>E-mail</i>
Agusti Ballester, Jordi	Paleontology & Head of Research	ICREA - Affiliated	jordi.agusti@icrea.es
Allué Martí, Ethel Ann	Archaeobotany	IPHES	eallue@iphes.cat
Arenas Moreno, Àlex	Complex Paths	URV - Affiliated	alex.arenas@urv.cat
Barsky, Deborah Roxanne	Lithic Technology	IPHES	dbarsky@iphes.cat
Blain, Hugues Alexandre	Paleontology	IPHES	hablain@iphes.cat
Burjachs Casas, Francesc	Archaeobotany	ICREA - Affiliated	francesc.burjachs@icrea.cat
Cáceres Cuello de Oro, Isabel	Zooarchaeology	URV - Affiliated	icaceres@iphes.cat
Canals Salomó, Antoni	Archaeostratigraphy	URV - Affiliated	acanals@iphes.cat
Carbonell Roura, Eudald	Lithic Technology & Director	URV - Affiliated	ecarbonell@iphes.cat
Fernández López de Pablo, Javier	Complex Paths	IPHES – RyC (MINECO)	jfernandez@iphes.cat
Hortolà Gómez, Policarp	Molecular archaeology	URV - Affiliated	policarp.hortola@urv.cat
Huguet Pàmies, Rosa	Zooarchaeology	IPHES	rhuguet@iphes.cat
Jones, Samantha Elsie	Complex Paths	IPHES - MSCA (EC)	sjones@iphes.cat
Lorenzo Merino, Carles	Paleoanthropology	URV - Affiliated	carlos.lorenzo@urv.cat

Lozano Pérez, Sergi	Complex Paths	IPHES - RyC (MINECO)	slozano@iphes.cat
Lozano Ruiz, Marina	Paleoanthropology	IPHES	mlozano@iphes.cat
Martínez Navarro, Bienvenido	Paleontology	ICREA - Affiliated	bienvenido.martinez@icrea.cat
Mosquera Martínez, Marina	Human Cognition and 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
Rivals, Florent	Paleontology	ICREA - Affiliated	florent.rivals@icrea.cat
Rodríguez Álvarez, Xosé Pedro	Lithic Technology	URV - Affiliated	xprodriguez@iphes.cat
Rosell Ardèvol, Jordi	Zooarchaeology	URV - Affiliated	jordi.rosell@urv.cat
Sala Ramos, Robert	Lithic Technology	URV - Affiliated	robert.sala@urv.cat
Saladié Ballesté, Palmira	Zooarchaeology	IPHES	psaladie@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
Viñas Vallverdú, Ramon	H. Cognition - Rock Art	IPHES	rvinyas@iphes.cat

PhD Students

Name	Speciality	Funder	E-mail
Asryan, Lena	Lithic Technology	IPHES - The Wenner-Gren Foundation	lasryan@iphes.cat
Bahzir, Behrouz	Lithic Technology	IPHES - Fundación Atapuerca	bbazgir@iphes.cat
Camarós i Pérez, Edgar	Zooarchaeology	IPHES - FI-DGR (AGAUR)	ecamaros@iphes.cat
López Ortega, Esther	Lithic Technology	IPHES - FPI (MINECO)	elopez@iphes.cat
Medin Goitom, Tsegai	Paleontology	IPHES - Fundación Atapuerca	tmedin@iphes.cat
Morales Hidalgo, Juan Ignacio	Lithic Technology	IPHES - FI-DGR (AGAUR)	jmorales@iphes.cat
Pedergnana, Antonella	Lithic Technology	IPHES - FI-DGR (AGAUR)	apedergnana@iphes.cat
Pérez Luis, Leopoldo Jesús	Zooarchaeology	IPHES - FPU (MECD)	ljperez@iphes.cat
Piñero García, Pedro	Paleontology	IPHES - FPU (MECD)	ppinero@iphes.cat
Rodríguez Hidalgo, Antonio	Zooarchaeology	IPHES - FPI (MINECO)	arodriguez@iphes.cat

Roubach Souhila	Conservation	URV - AECID	souhilaroubach@hotmail.fr
Rufà Bonache, Anna	Zooarchaeology	IPHES - FPU (MECD)	arufa@iphes.cat
Solís Torres, Óscar Ricardo	Paleontology	IPHES - Fundación Atapuerca	osolis@iphes.cat
Soto Quesada, Maria Luisa	Geoarchaeology	IPHES - FI (AGAUR)	msoto@iphes.cat

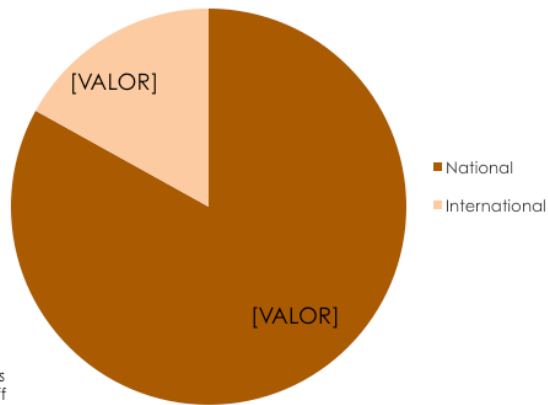
Scientific & Technical Services

<i>Surname, Name</i>	<i>Speciality</i>	<i>Sponsor</i>	<i>E-mail</i>
Campany Vall-Llosera, Gerard	Photography	IPHES	gcampany@iphes.cat
Expósito Barea, Isabel	Archaeobotany	IPHES	ixposito@iphes.cat
Fontanals Torroja, Marta	Coordinator of Scientific and Technical services	URV - Affiliated	mfontanals@iphes.cat
García-Antón Trassierra, Ma Dolores	Lithic Technology	URV - Affiliated	lgarciaanton@iphes.cat
Gómez De Soler, Bruno	Geoarchaeology	IPHES	bgomez@iphes.cat
Gómez Merino, Gala	Conservation	IPHES	ggomez.merino@iphes.cat
Ibáñez López, Núria	Zooarchaeology	IPHES	nibanez@iphes.cat
López-Polín Dolhaberriague, Lucía	Conservation	IPHES	lucia.lopezpolin@iphes.cat

Management

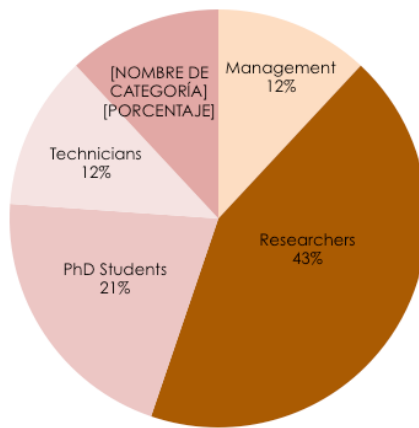
<i>Surname, Name</i>	<i>Role</i>	<i>Sponsor</i>	<i>Email</i>
Altès Batalla, Vanessa	Director's Personal Assistant	IPHES	valtes@iphes.cat
Batista Carissimi-Priori, Lluís	Project & Transfer Unit, Outreach Technician	IPHES	lbatista@iphes.cat
March Farré, Anna	Financial Manager	IPHES	amarch@iphes.cat
Moreno Moliner, Òscar	IT Manager	IPHES	omoreno@iphes.cat
Pérez Llord, Laura	HR Manager & SUMA Project Coordination	IPHES	lperez@iphes.cat
Prats Cot, Carles	Managing Director	IPHES	cprats@iphes.cat
Sentís Tamburini, Bernat	Project & Transfer Unit Coordinator	IPHES	bsentis@iphes.cat
Torreblanca Hernández, Fèlix	Purchasing & Logistic Manager	IPHES	ftorreblanca@iphes.cat

Staff Distribution by Geography

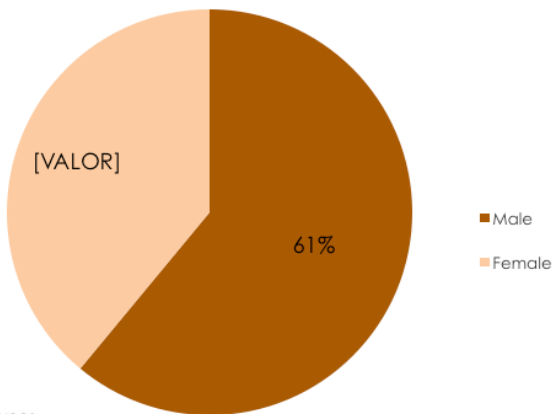


TOTAL: 59 employees
Only permanent staff

Staff Distribution by Areas



Staff Distribution by Gender



TOTAL: 59 employees
Only permanent staff

Scientific Advisory Board

Members of Scientific Advisory Board

Dr. David Lordkipanidze

Director of Georgian State Museum

Prof. Carlo Peretto

Università degli Studi di Ferrara

President of the Faculty of Sciences

Dip. Scienze Geologiche e Paleontologiche

Prof. Henry de Lumley

Directeur Institut de Paléontologie Humaine

Dr. José María Bermúdez de Castro (PRESIDENT)

Director of Centro Nacional de Investigación sobre la Evolución Humana,

CENIEH

Prof. Antonio Rosas

Research professor in the Department of Palaeobiology; National Museum of Natural Sciences, CSIC

Research

Scientific Impact

Publicacions: 177

Articles (JCR): 69

Articles indexed SCI/SSCI: 6

Others: 36

Book chapters: 60

Books: 5

Research projects directed by IPHES: 16

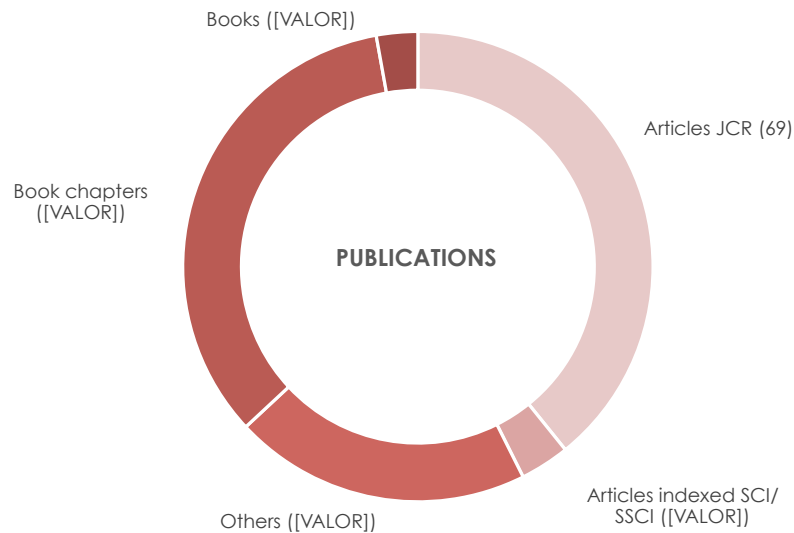
Research grants: 17

Thesis and master thesis presented/directed: 61

Congresses and seminars with staff members: 54

Short-term cooperation with other research centres: 10

Archaeological excavations directed by IPHES: 24



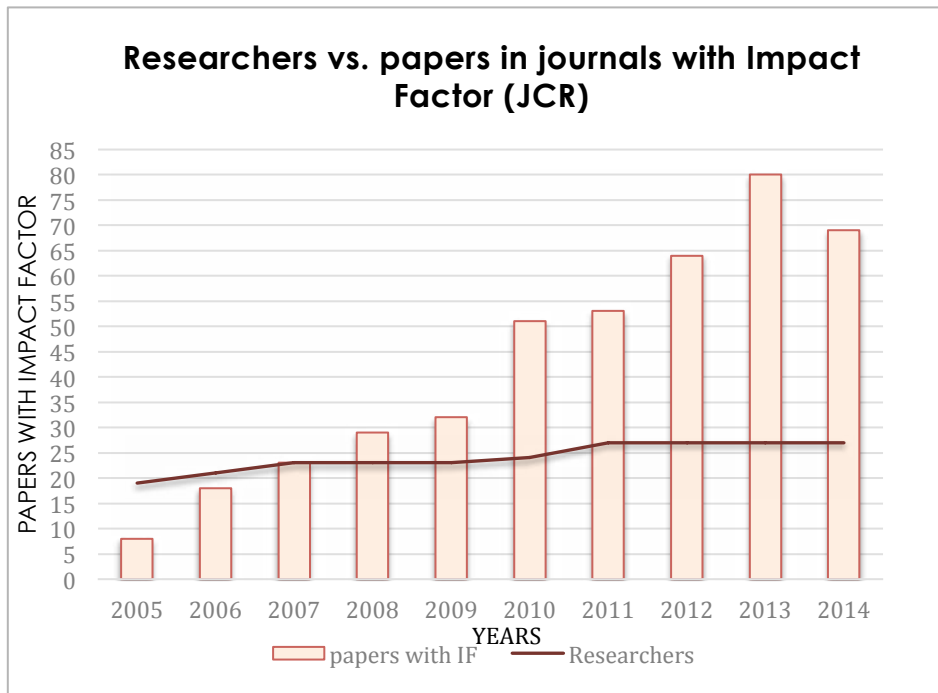
<i>Journal</i>	<i>FI 2013</i>	<i>Articles 2014</i>	<i>Quartile</i>	
Nature	42,351	1	1	1,4%
Science	31,477	1	1	1,4%
Proceedings of the National Academy of Sciences (PNAS)	9,809	2	1	2,9%
Philosophical Transactions of the Royal Society B: Biological Sciences	6,314	1	1	1,4%
Scientific Reports	5,078	1	1	1,4%
Quaternary Science Reviews	4,571	7	1	10,1%
Journal of Human Evolution	3,867	4	1	5,8%
PLOS ONE	3,534	9	1	13,0%
Palaeogeography, Palaeoclimatology, Palaeoecology	2,752	1	1	1,4%
Journal of Quaternary Science	2,661	2	1	2,9%
Journal of Raman Spectroscopy	2,519	1	2	1,4%
Boreas	2,383	1	2	1,4%
Journal of Anthropological Archaeology	2,319	1	1	1,4%
Scientometrics	2,274	1	1	1,4%
Journal of Anatomy	2,227	1	2	1,4%
Journal of Mammalogy	2,225	1	1	1,4%
Journal of Archaeological Science	2,139	5	1	7,2%
Quaternary International	2,128	11	2	15,9%
Micron	2,062	1	2	1,4%
Journal of Anthropological Sciences	1,783	2	1	2,9%
Acta Paleontologica Polonica	1,722	1	2	1,4%
Anatomical Record	1,53	1	3	1,4%
Integrative Zoology	1,419	1	2	1,4%
Archaeometry	1,328	1	3	1,4%
Laterality	1,312	1	2	1,4%
CR Palevol	1,167	4	3	5,8%
Bulletin de la Société Géologique de France	0,944	1	3	1,4%
Journal of Iberian Geology	0,875	1	3	1,4%
Trabajos de Prehistoria	0,682	4	3	5,8%

<i>Journals (JCR) with articles published during 2014</i>		
Quartile	Journals	%
1	15	51,7%
2	8	27,6%
3	6	20,7%
4	0	0%
Total	29	100%

<i>2013</i>
%
54,3%
28,6%
14,3%
2,9%
100%

Articles published in 2014 according to the quartile of the journal (JSR)		
Quartile	Journals	%
1	39	56,5%
2	18	26,1%
3	12	17,4%
4	0	0%
Total	69	100%

2013	
	%
	51,3%
	32,5%
	15%
	1,3%
	100%



A review of the 100 papers that received the most attention online - and the conversations that happened around them.

48

A mitochondrial genome sequence of a hominin from Sima de los Huesos
Meyer M, Fu Q, Aximu-Petri A...

Journal Nature	Category Biological Sciences
Institutions Max Planck Institute for Evolutionary Anthropology, Chinese Academy of Sciences, Universidad Complutense de Madrid ...	Countries Germany, China, Spain

Score of attention
This is ranked 63rd in this journal.

Click for more details

Mentioned by

- 75 news stories
- 23 blog posts
- 367 tweets
- 36 Facebook posts
- 5 Google+ posts
- 2 Reddit posts
- 2 videos

9	<p>Conscious Brain-to-Brain Communication in Humans Using Non-Invasive Technologies Grau C, Ginhoux R, Riera A ...</p> <p>Journal Institutions</p> <p>PLOS ONE University of Barcelona, Axilum Robotics, Neuroelectrics Barcelona ...</p>	<p>Category Countries</p> <p>Medical and Health Sciences France, Spain, United States</p>
27	<p>Nurse staffing and education and hospital mortality in nine European countries: a retrospective observational study Aiken LH, Sloane DM, Bruyneel L ...</p> <p>Journal Institutions</p> <p>The Lancet University of Pennsylvania School of Nursing, Catholic University Leuven, University of Southampton ...</p>	<p>Category Countries</p> <p>Studies in Human Society Belgium, United States, United Kingdom ...</p>
48	<p>A mitochondrial genome sequence of a hominin from Sima de los Huesos Meyer M, Fu Q, Aximu-Petri A ...</p> <p>Journal Institutions</p> <p>Nature Max Planck Institute for Evolutionary Anthropology, Chinese Academy of Sciences, Universidad Complutense de Madrid ...</p>	<p>Category Countries</p> <p>Biological Sciences Germany, China, Spain</p>
67	<p>Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European Olalde I, Allentoft ME, Sánchez-Quinto F ...</p> <p>Journal Institutions</p> <p>Nature CSIC-UPF, University of Copenhagen, University of California - Los Angeles ...</p>	<p>Category Countries</p> <p>Biological Sciences Denmark, Spain, United States ...</p>
95	<p>Planck intermediate results. XXX. The angular power spectrum of polarized dust emission at intermediate and high Galactic latitudes See: http://arxiv.org/pdf/1409.5738v1.pdf</p> <p>Journal Institution</p> <p>arXiv See: http://arxiv.org/pdf/1409.5738v1.pdf</p>	<p>Category Countries</p> <p>Physical Sciences United States, United Kingdom, Spain ...</p>

Research Groups

Subsistence, Technology and Human Evolution

Principal investigator: Dr. Eudald Carbonell

Researchers: Dra. Isabel Cáceres, Dra. Rosa Huguet, Dr. Carlos Lorenzo, Dr. Miquel Llorente, Dra. Marina Mosquera, Dr. Andreu Ollé, Dr. Xosé Pedro Rodríguez, Dra. Palmira Saladié and Dr. Josep Maria Vergés
Phd students: Lena Asryan, Behrouz Bagzir, Esther López, Antonella Pedernana, Antonio Rodríguez, Souhila Roubach and Boris Santander
Technical staff: Ma. Dolores García-Antón and Lucía López-Polín

Colaborations: Dra. Amèlia Bargalló, Juan Luis Fernández, Núria Geribàs, Miquel Guardiola, Arturo de Lombera, Patrícia Martín, David Riba, Laxmi Tumung, Dra. Maria Benàssar, Dr. Joan Garcia, Dra. Paula García and Dr. Kenneth Martínez



Gran Dolina, Sierra de Atapuerca (Burgos) / IPHES

The research of this group, Subsistence, Technology and Human Evolution aims to study human evolution on its biological, social and technological developments in the Early and Middle Pleistocene. The main areas of research are paleoanthropology, lithic technology, zooarchaeology and taphonomy and the early human cognition. Its approach is based on a strong investment in fieldwork with a systematic analysis of founded remains to work on reliable empirical data and original experimentation as a part of testable procedures.

The group "Social, cultural and biological evolution during the Lower and Middle Pleistocene" headed by Dr. Eudald Carbonell Roura is integrated by 10 researchers, 7 predoctoral students and 3 technicians, and the following 5 topics are developed within this group: Lithic Technology, Zooarchaeology and taphonomy, Evolution of Early Human cognition, Paleoanthropology, Preparation and conservation of archaeological material.

These lines of research share the same general empirical framework based on the different fieldwork projects led or specifically participated by their members, both in Spain and abroad.

In Spain

- The archaeo-paleontological complex of the Sierra de Atapuerca (Burgos, Spain), noticeably: Sima del Elefante, Gran Dolina, Galería and the Sima de los Huesos (the entire group' members except Miquel Llorente).
- The sites of the Calerizo de Cáceres (Cáceres, Spain): Cueva de Santa Ana y Cueva de Maltravieso (E. Carbonell, A. Ollé, A. Rodríguez, P. Saladié and J.M. Vergès).
- The sites of the Guadix-Baza Basin (Granada, Spain): Fuente Nueva 3 and Barranco León (E. Carbonell, C. Lorenzo and J.M. Vergès).
- The sites included in the project "Projecte Francolí, Gaià, Siurana i rieres del camp de Tarragona", Tarragona (Spain): specifically Barranc de la Boella and la Cansaladeta) (E. Carbonell, I. Cáceres, M. Esteban, R. Huguet, E. López, L. López-Polín, M. Mosquera, A. Ollé, X.P. Rodríguez, S. Roubach, P. Saladié and J.M. Vergès).
- The sites of Calveros de la Higuera at Pinilla del Valle (Madrid, Spain) (R. Huguet).
- The site of Cova de dalt del Tossal de la Font (Castelló, Spain) (E. Carbonell, I. Cáceres, L. López-Polín, C. Lorenzo, A. Ollé and P. Saladié).
- The sites of Monforte de Lemos and Cova Eirós (Lugo, Spain) (X.P. Rodríguez).
- The site of El Sidrón (Asturias, Spain) (R. Huguet).
- The site of Cova Foradà (Valencia, Spain) (C. Lorenzo).



Choppin tool. Barranc de la Boella (La Canonja, Tarragona) / IPHES

International

- The sites included in the projects about the first dispersals and the evolution of human settlement at the Maghreb during the Pliocene and Pleistocene (Algeria, Morocco) developed in cooperation with IPHES (I. Cáceres, C. Lorenzo, A. Ollé, J.M. Vergès and S. Roubach).
- The Plio Pleistocene sites of East Africa (Ethiopia and Eritrea) included in the projects led by IPHES and CENIEH (E. Carbonell and I. Cáceres).
- The site of Azokh (Nagorno-Karabakh) (L. Asryan, I. Cáceres i A. Ollé).
- The British sites included in the projects led by the National History Museum and the British Museum (Happisburgh, Pakefield, Boxgrove and Gough's Cave)(I. Cáceres, M. Mosquera, A. Ollé, A. Rodríguez, P. Saladié and J.M. Vergès).
- The Sicilian prehistoric sites included in the research project co-led by IPHES with the Univ. degli Studi di Palermo. (A. Ollé and J.M. Vergès).
- The Lower and Middle Pleistocene sites from France included in the project led by Museum National d'Histoire Naturelle de Paris (Pont de Lavaud, Lunery, La Noira, Payre, Orgnac) (E. Carbonell, A. Ollé, A. Pedernana and X.P. Rodríguez).
- The Palaeolithic sites of Khorramabad Valley (Iran) (B. Bazgir and A. Ollé).
- The Lower Pleistocene site of Zoukoudian and of the Nihewan Valley (China), in cooperation with the Institute of Vertebrate Paleontology and Paleoanthropology of Beijing (L. Asryan, E. Carbonell, M. Mosquera, A. Ollé and X.P. Rodríguez).

Prehistoric Socioecology and Cultural Changes

Principal investigator: Dr. Manuel Vaquero
Researchers: Dr. Ethel Allué, Dr. Florent Rivals, Dr. Jordi Rosell, Dr. Francesc Burjachs, Dr. Javier Fernández, Dr. Sergi Lozano, Dr. Ignasi Pastó, Dr. Ramon Viñas, Dr. Ruth Blasco, Dr. Juan Manuel López, Dr. Marina Lozano and Dr. Samantha Jones
PhD students: Anna Rufà, Edgard Camarós and Juan Ignacio Morales
Technical staff: Marta Fontanals, Núria Ibáñez and Isabel Expósito

Collaborations: Susana Alonso, Maria Gema Chacón, Sergio García Catalán, Francesca Romagnoli, Alex Solé, Mònica Fernández, Beatriz Menéndez



*Molí del Salt, Vimbodí i Poblet
(Tarragona) / IPHES*

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: palaeoanthropology, lithic technology, zooarchaeology, taphonomy, palaeontology, archaeobotany, spatial analysis, symbolic expression and computational models.

The GAPS research group comprises a total of 13 doctors, six of them IPHES staff, (Manuel Vaquero, Jordi Rosell, Ethel Allué, Marina Lozano, Ignasi Pastó and Ramón Viñas). The seven remaining members were appointed to IPHES by different national and international competitive programs: two ICREA Professors (Francesc Burjachs and Florent Rivals), two “Ramón y Cajal” fellows (Javier Fernandez and Sergi Lozano), two post-doctoral Beatriu de Pinos – Marie Curie fellows (Ruth Blasco and Juan Manuel Lopez), and finally another Marie Slodowska-Curie IEF 2014 postdoctoral researcher (Samantha Jones).

Additionally, the team includes three pre-doctoral students (Anna Rufà Bonache; Juan Ignacio Morales Hidalgo; Edgard Camarós Pérez) from different grants schemes (primarily MEC - FPU, FI AGAUR).

Therefore, this team is devoted to the study of the cultural changes and population dynamics of the Neanderthal and modern human groups using a Socioecological approach. During this period, the end of the Middle Pleistocene to the Early Holocene, three highly significant prehistoric processes took place:

1. The origins of Neanderthal behaviour.
2. The Middle-to-Upper Palaeolithic transition.
3. The end of the Paleolithic and the emergence of the first farming and herding societies.

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 Palaeolithic: 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.
- Upper Palaeolithic: Molí del Salt, Costa de Can Manel, Abric de la Consagració, Cova de Valdavara, La Cativera, Cova d’en Pau, Cova de la Guineu, Balma de la Vall, Cova de les Borres, Cova Foradada, Balma de la Griera.
- Mesolithic: Abric Agut, Casa Corona.
- Neolithic: Cueva del Mirador, Cova de la Font Major, El Cavet, Cova Colomera. RockArt: Fuente del Trucho; Cova Eirós; Cova Remigia; Cova del Civil; Cova Centelles and Abric de les Canyes; Cova dels Rosegadors; Abric del Mas dels Ous; Rock Art sites of Ermites d’Ulldecona; Muntanyes de Prades and Les Garrigues.

- Palaeoenvironment of Last Glacial-Holocene Transition: Drills at the endorheic pool at Ulldecona (Montsià, Tarragona), and in the Cova dels Xaragalls. Moreover, the members of the group also participate in international excavations by both conducting fieldwork and studying materials. These projects are a cornerstone of the international profile of this research group:
 1. Europe: Research projects in the Grotta Rio Secco (Italy), collaboration studies in the prehistoric Balkans (Serbia and Montenegro), the Caucasus (Georgia, Armenia and Nagorno-Karabakh) and Sicily (Vallone Inferno depodit).
 2. Africa: research projects in Morocco, Algeria and Tunisia.
 3. Middle East: research projects in Qesem Cave (Israel), collaboration with research projects in Iran (Khorramabad Valley).
 4. Far East. Study fossils plant sites in China.
 5. America. surveys at Cueva Pintada, Rio Sarakachi, El Arenoso and La Calera (Mexico), Holocene archaeological sites in the basin of Lake Cardiel in southern Patagonia (Argentina) and tooth wear analyses of human remains recovered at the site of Cuchipuy (Xili).

Human Palaeoecology in the Plio-Pleistocene

Principal investigator: Dr Jordi Agustí

Researchers: Dr Deborah Barsky, Dr Robert Sala, Dr Hugues Alexandre Blain, Dr Josep Vallverdú, Dr Bienvenido Martínez, Dr Josep Maria Prats, Dr Antoni Canals, Dr Policarp Hortolà and Dr Oriol Oms

PhD students: Pedro Piñero, María Luisa Soto, Tsegai Medin and Moncef-Said Mtimet.

Technical staff: Bruno Gómez, Gerard Campeny and Gala Gómez

Colaborations: Dr. Iván Lozano, Ángel Blanco



Camp dels Ninots, Caldes de Malavella (Girona) / IPHES

The goals of this group are focused on establishing the palaeoecological context of human dispersals during the Pleistocene in the Mediterranean in terms of palaeoclimatic, palaeobiological and behavioural aspects. All three issues, climate evolution, faunal dispersals and techno-cultural evolution, have acted as significant drivers in the different episodes of human dispersal from the Pliocene to Middle Pleistocene.

Palaeoclimatic research

- We look at correlations between the climatic changes recorded at the oceanic level, the evolution of vertebrate communities, and human settlements.
- Our chronological span ranges from 2.6 Myr (beginning of the Glacial-Interglacial dynamic in the Northern Hemisphere) to 0.4 Myr (Mid-Bruhnes Event).
- We approach these questions through work at different palaeontological and archaeological sites:
 - Camp dels Ninots (Upper Pliocene, La Selva Basin, Girona, Spain)
 - Quibas (Lower Pleistocene, Murcia, Spain)
 - Guadix-Baza Basin (Lower Pliocene to Middle Pleistocene, 5.3-0.4 Ma)
 - Bois-de-Riquet (Lower Pleistocene, 1.2 Ma, Lezignan, Hérault, France)
 - Aïn Beni Mattar-Guefeit (Lower Pleistocene, Morocco)

Palaeobiological research

- We study the relationships between faunal and human dispersals related to changes in climate during the Plio-Pleistocene.
- It is very important for us to understand the general directions of the dispersals during the Pleistocene. In other words: Is there a north-south or east-west pattern of dispersal in the faunal distribution changes observed in the fossil record?
- To answer these questions we focus on the analyses and comparison of the faunal record of several key sites of the Lower Pleistocene in the Mediterranean area and abroad:
 - Dmanisi (1.8 Ma, Georgia)
 - Oued Sarrat (Middle Pleistocene, Le Kef, Tunisia)
 - Engel Ela-Ramud Basin (Upper Pliocene to Middle Pleistocene, Eritrea)
 - Guadix-Baza Basin: Venta Micena, Fuente Nueva 3, Barranco León, Huéscar, Puerto Lobo, Solana de Zamborino (Lower-Middle Pleistocene, Granada, Spain)
 - Incarcàl (Lower Pleistocene, Banyoles Basin–Besalú, Girona)
 - Barranc de La Boella (Lower-Middle Pleistocene, La Canonja, Spain)



Fuente Nueva 3, Orce (Granada) / IPHES

Behavioural research

- The complex chronological and geographical circumstances of the Plio-Pleistocene seem to suggest different transitions in diachronic periods, and raise several questions:
- Did these cultural transitions result from new arrivals of hominins who transmitted their technological innovations to pre-existing populations?
- Were some populations with lesser developed technological skills and a simpler social organization replaced by other populations that were more skilled in terms of technological and social behaviours?
- Or did these new traditions develop independently in different areas of the Mediterranean from the potential of the morpho-technical variability of the Oldowan traditions?
- To solve these questions, we consider different archaeological sites ranging from eastern Africa, western Eurasia and the Mediterranean Basin, either managed by IPHES members or studied with the participation of IPHES members in cooperation with the researchers and the centres that lead or manage them:
 - Fejej (Lower Pleistocene, 1.96 Ma, South Ethiopia)
 - Ain Beni Mathar, Guefeit (Lower Pleistocene, Morocco).
 - Dmanisi (1.8 Ma, Georgia).
 - Bizat Ruhama (Lower Pleistocene, 1.6-1.2 Ma, Israel).
 - Errayeh (Middle Pleistocene, Northwest Algeria).

- N´Gaus (Middle Pleistocene, North Central Algeria).
- Ubeidiya (Lower Pleistocene, 1.6-1.2 Ma, Israel).
- Bois de Riquet (Lower Pleistocene, 1.2 Ma, Lezignan, Hérault, France).
- Caune de l´Aragó (Middle Pleistocene, 0.69-0.09 Ma, Roussillon, France).
- Loira central (Lower Pleistocene – Middle Pleistocene, Loira Basin, France).
- Guadix-Baza Basin (Lower Pliocene – Middle Pleistocene, 5.3-0.4 Ma). Sites of Barranco León, Fuente Nueva 3, Huéscar, Cúllar and Solana de Zamborino.
- Calerizo de Cáceres (Lower Pleistocene, Cáceres, Spain)
- Barranc de La Boella (Lower-Middle Pleistocene), La Canonja, Spain

Research Projects



Camp dels Ninots, Caldes de Malavella (Girona) / IPHES

Evolució social, cultural i biològica al Plistocè inferior i mitjà

Principal investigator: Eudald Carbonell

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/14 – 31/12/16

Project code: 2014 SGR 899

Grup d'anàlisi de processos socioecològics, canvis culturals i dinàmiques de població a la Prehistòria

Principal investigator: Manuel Vaquero

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/14 - 31/12/16

Project code: 2014 SGR 900

Paleoecologia humana del Plio-Plistocè

Principal investigator: Jordi Agustí

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/14 - 31/12/16

Project code: 2014 SGR 901

Abric Romaní - Cinglera de Capelló

Principal investigator: Eudald Carbonell

Host institution: IPHES

Funder: Departament de Cultura. Generalitat de Catalunya

Dates of Project (beginning and end): 01/01/14 - 31/12/17

Project code: 2014/100576

Arqueomona II: La evolución de la cognición humana a través del estudio del comportamiento de humanos y chimpancés (*Pan troglodytes*)

Principal investigator: Marina Mosquera

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/13 - 31/12/15

Project code: HAR2012-32548

Compartint l'espai: interaccions entre homínids i carnívors al nord-est peninsular

Principal investigator: Jordi Rosell

Host institution: IPHES

Funder: Departament de Cultura. Generalitat de Catalunya

Dates of Project (beginning and end): 01/01/14 - 31/12/17

Project code: 2014/100573

Comportamiento ecosocial de los homínidos de la Sierra de Atapuerca durante el Cuaternario III

Principal investigator: Eudald Carbonell

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/13 - 31/12/15

Project code: CGL2012-38434-C03-03

Dinámica ambiental y respuestas humanas durante el postglacial en la fachada mediterránea de la Península Ibérica (C. 12700-8000 CAL. BP)

Principal investigator: Francesc Burjachs / Javier Fernández

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/14 - 31/12/16

Project code: HAR2013-41197-P

Dispersiones faunísticas y evolución climática en los ecosistemas terrestres del Mediterráneo occidental durante el Pleistoceno Inferior: ¿Este-oeste O norte-sur?

Principal investigator: Jordi Agustí

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/13 - 31/12/15

Project code: CGL2012-38358

El Plio-pleistocè del Camp dels Ninots i la depressió prelitoral: evolució paleoclimàtica, dispersions faunístiques i humanes

Principal investigator: Jordi Agustí

Host institution: IPHES

Funder: Departament de Cultura. Generalitat de Catalunya

Dates of Project (beginning and end): 01/01/14 - 31/12/17

Project code: 2014/100575

Estudio paleobiológico de los grandes mamíferos plio-pleistocénicos de Orce, Incarcal y La Boella en el contexto mediterráneo

Principal investigator: Bienvenido Martínez-Navarro
Host institution: IPHES
Funder: Ministerio de Economía y Competitividad. Gobierno de España (MINECO)
Dates of Project (beginning and end): 01/01/11 - 30/06/14
Project code: CGL2010-15326/BTE

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí, Gaià, Siurana i rieres del camp de Tarragona
Principal investigator: Josep Maria Vergés
Host institution: IPHES
Funder: Departament de Cultura. Generalitat de Catalunya
Dates of Project (beginning and end): 01/01/14 - 31/12/17
Project code: 2014/100574

Momentos de la vida neandertal: Patrones de comportamiento y arqueología de alta resolución
Principal investigator: Manuel Vaquero / Florent Rivals
Host institution: IPHES
Funder: Ministerio de Economía y Competitividad. Gobierno de España (MINECO)
Dates of Project (beginning and end): 01/01/14 - 31/12/16
Project code: HAR2013-48784-C3-1-P

Presencia humana y contexto paleoecológico en la cuenca continental de Guádix-Baza. Estudio e interpretación a partir de los depósitos plioleostocénicos de Orce. Granada. España
Principal investigator: Robert Sala and Bienvenido Martínez-Navarro
Host institution: IPHES
Funder: Junta de Andalucía
Dates of Project (beginning and end): 05/12/12 – 05/01/16
Project code: B120489SV18BC

Other actions

Cova de les Llenes (Pallars Jussà)
Project manager: Edgard Camarós
Host institution: IPHES
Funder: Consell Comarcal del Pallars Jussà (CCPJ) and Diputació de Lleida
Dates of Project (beginning and end): 08/07/13 - 07/08/14
Project code: s/ref.

Recerca sobre “Smart Cities i Evolució Social”
Project manager: Sergio Lozano
Host institution: IPHES
Funder: FTSMC
Dates of Project (beginning and end): 19/03/14 - 31/12/14
Project code: Agreement

Research Grants

Marie Skłodowska-Curie actions (ERC)

PRETM - Prehistoric Transitions in the Mediterranean: Cultural and economic responses to climate change during the Mesolithic-Bronze Age

Beneficiary: Samantha Jones

Host institution: IPHES

Funder: ERC

Dates of Project (beginning and end): 01/03/14 - 29/02/16

Project code: 628589

Ramon y Cajal (MINECO)

Paisajes humanizados, modelización paleoecológica y social

Beneficiary: Javier Fernández

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/12 - 31/12/16

Project code: RYC2011-09363

Modelización y otros métodos cuantitativos de análisis al estudio de la evolución humana

Beneficiary: Sergio Lozano

Host institution: IPHES

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

Dates of Project (beginning and end): 01/01/14-31/12/18

Project code: RYC-2012-10379

FPI (MINECO)

Comportamiento ecosocial de los homínidos de la Sierra de Atapuerca durante el Cuaternario

Beneficiary: Antonio Rodríguez

Host institution: IPHES

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

Dates of Project (beginning and end): 01/10/12 - 30/09/14

Project code: BES-2010-034216

Conexiones intra-site e inter-site. Los remontajes líticos para la identificación de zonas de actividad, patrones de movilidad interna e inter-relaciones entre yacimientos del Pleistoceno medio: el nivel TD10-1 de Gran Dolina y el nivel GIII de Galería (Sierra de Atapuerca, Burgos) y la Cansaladeta (La Riba, Tarragona)

Beneficiary: Esther López

Host institution: IPHES

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

Dates of Project (beginning and end): 16/01/14-15/01/18

Project code: BES-2013-065048

FPU (MECD)

El consumo de pequeñas presas durante el Paleolítico Medio: estrategias de subsistencia de los Homínidos. El caso de la cueva de les Teixoneres (Moià, Barcelona)

Beneficiary: Anna Rufà

Host institution: IPHES

Funder: MECD

Dates of Project (beginning and end): 08/04/13 – 07/04/17

Project code: FPU12/00238

Evolución de las paleocomunidades de micromamíferos en el Neógeno superior y Cuaternario del Levante español

Beneficiary: Pedro Piñero

Host institution: IPHES

Funder: MECD

Dates of Project (beginning and end): 08/04/13 – 07/04/17

Codi de referencia del projecte: FPU12/02668

Predadores y presas: explotación de los recursos faunísticos por los grupos neandertales de los Valles de Alcoy (MIS 3). El caso del yacimiento arqueológico de El Salt (Alcoy, Alicante).

Beneficiary: Leopoldo Jesús Pérez

Host institution: IPHES

Funder: MECD

Dates of Project (beginning and end): 01/10/14 - 30/09/18

Project code: FPU13/01885

FI-DGR-AGAUR

Estudio geoarqueológico de las paleopoblaciones de la Cuenca Francolí-Gaià. Reconocimiento de las áreas fuentes silíceas y utilización diferencial de materias primas abióticas

Beneficiary: María Luisa Soto

Host institution: IPHES

Funder: AGAUR

Dates of Project (beginning and end): 01/03/11 - 28/02/14

Project code: 2011FI_B1 00623

Transformacions culturals durant la transició Pleistocè – Holocè. Anàlisi tècnic, tecnològic i morfomètric (mitjançant l'ús de la tecnologia 3D) de les produccions lítiques dels últims caçadors recol·lectors en la vessant mediterrània del Nord-Est peninsular

Beneficiary: Juan Ignacio Morales

Host institution: IPHES

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

Dates of Project (beginning and end): 01/04/12 - 31/03/15

Project code: 2012FI_B 00588

Comportament neandertal a través de la interacció entre homínids i carnívors
Beneficiary: Edgard Camarós
Host institution: IPHES
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Dates of Project (beginning and end): 01/02/13 - 31/01/16
Project code: 2013FI_B 00148

Microwear and residue analyses of quartzite stone tools from the Pleistocene sites of Gran Dolina-TD10 (Sierra de Atapuerca, Burgos, Spain) and Payre (Ardèche, Rhône Valley, France)
Beneficiary: Antonella Pedergnana
Host institution: IPHES
Funder: Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Dates of Project (beginning and end): 01/02/14 - 31/01/17
Project code: 2014FI_B 00539

Fundación Atapuerca

Early Pleistocene Ecological relations among Omnivorous species: Pigs, Bears, Monkeys and Hominins
Beneficiary: Tsegai Medin
Host institution: IPHES
Funder: Fundación Atapuerca
Dates of Project (beginning and end): 01/01/12 - 31/12/15

Lithic Assemblages of Prehistoric sites in Khorramabad valley, western Iran. Implications for Understanding the Technological Variability
Beneficiary: Behrouz Bahzir
Host institution: IPHES
Funder: Fundación Atapuerca
Dates of Project (beginning and end): 01/05/13 - 30/04/16

Estudio taxonómico y tafonómico de los restos óseos de animales del Pleistoceno Superior de Valsequillo, Puebla, México
Beneficiary: Óscar Ricardo Solís
Host institution: IPHES
Funder: Fundación Atapuerca
Dates of Project (beginning and end): 01/01/14 - 31/12/17

AECID

Consolidation des restes osseux: application aux matériels des gisements Pléistocènes de Aïn Hanech (Algérie)
Beneficiary: Souhila Roubach
Host institution: IPHES
Funder: AECID
Dates of Project (beginning and end): 01/10/11 - 30/09/14

Wenner-Gren Foundation

A study of the stone tool assemblages of Azokh Cave site, Nagorno Karabakh
(*Lesser Caucasus*)

Beneficiary: Lena Asryan

Host institution: IPHES

Funder: Wenner-Gren Foundation

Dates of Project (beginning and end): 2010-2014

Project code: WIF - 212

Publications

Articles (JCR)

Alba, D., Colombero, S., Delfino, M., Martínez-Navarro, B., Pavia, M., Rook, L. 2014, A thorny question: The taxonomic identity of the Pirro Nord cervical vertebrae revisited, *Journal of Human Evolution* 76: 92-106.

Arilla, M., Rosell, J., Blasco, R., Domínguez-Rodrigo, M., Pickering, T. R. 2014, The "Bear" Essentials: Actualistic Research on *Ursus arctos arctos* in the Spanish Pyrenees and its implications for Paleontology and Archaeology, *PLOS ONE* 9(7): e102457.

Arnold, L.J., Demuro, M., Parés, J.M., Arsuaga, J.L., Aranburu, A., Bermúdez de Castro, J.M., Carbonell, E. 2014, Luminescence dating and palaeomagnetic age constraint on hominins from Sima de los Huesos, Atapuerca, Spain, *Journal of Human Evolution* 67 (0): 85-107.

Arsuaga, J.L., Martínez, I., Arnold, L.J., Aranburu, A., Gracia-Téllez, A., Sharp, W.D., Quam, R.M., Falguères, C., Pantoja-Pérez, A., Bischoff, J., Poza-Rey, E., Parés, J.M., Carretero, J.M., Demuro, M., Lorenzo, C., Sala, N., Martínón-Torres, M., García, N., Alcázar de Velasco, A., Cuenca-Bescós, G., Gómez-Olivencia, A., Moreno, D., Pablos, A., Shen, C.-C., Rodríguez, L., Ortega, A.I., García, R., Bonmatí, A., Bermúdez de Castro, J.M., Carbonell, E. 2014, Neandertal roots: Cranial and chronological evidence from Sima de los Huesos, *Science* 344 (6190): 1358-1363.

Bargalló, A., Mosquera, M. 2014, Can hand laterality be identified through lithic technology?, *Laterality* 19 (1): 37- 63.

Bazgir, B., Otte, M., Tumung, L., Ollé, A., Deo, S.G., Joglekar, P., López-García, J.M., Picin, A., Davoudi, D., Made, J.v.d. 2014, Test excavations and initial results at the Middle and Upper Paleolithic sites of Gilvaran, Kaldar, Ghamari Caves and Gar Arjene Rockshelter, Khorramabad Valley, western Iran, *C.R. Palevol* 13: 511–525.

Blain, H.-A., Agustí, J., Lordkipanidze, D., Rook, L., Delfino M. 2014, Paleoclimatic and paleoenvironmental context of the Early Pleistocene hominins from Dmanisi (Georgia, Lesser Caucasus) inferred from the herpetofaunal assemblage, *Quaternary Science Reviews* 105: 136-150.

Blain, H.-A., Bailon, S., Agustí, J., Piñero-García, P., Lozano-Fernández, I., Sevilla, P., López-García, J.M., Romero, G., Mancheño, M.Á. 2014, Youngest agamid lizards from Western Europe (Sierra de Quibas, Spain, Early Pleistocene), *Acta Palaeontologica Polonica* 59 (4): 873-878.

Blain, H.-A., Laplana, C., Sevilla, P., Arsuaga, J.L., Baquedano, E., Pérez-González, A. 2014, MIS 5/4 transition in a mountain environment: herpetofaunal assemblages from the Cueva del Camino, central Spain, *Boreas* 43: 107-120.

Blain, H.-A., López-García, J.M., Cordy, J.-M., Pirson, S., Abrams, G., Di Modica, K., Bonjean, D. 2014, Middle to Late Pleistocene herpetofauna from Scladina and Sous-Saint-Paul caves (Namur, Belgium), *Comptes Rendus Palevol* 13 (8), 681-690.

- Blain, H.-A., Santonja, M., Pérez-González, A., Panera, J., Rubio-Jara, S. 2014, Climate and environments during Marine Isotope Stage 11 in the central Iberian Peninsula: the herpetofaunal assemblage from the Acheulean site of Áridos-1, Madrid, *Quaternary Science Reviews* 94: 7-21.
- Blasco, R., Domínguez-Rodrigo, M., Arilla, M., Camarós, E., Rosell, J. 2014, Breaking Bones to Obtain Marrow: A Comparative Study Between Percussion by Batting Bone on An Anvil and Hammerstone Percussion, *Archaeometry* 56(6): 1085-1104.
- Blasco, R., Finlayson, C., Rosell, J., Sánchez Marco, A., Finlayson, S., Finlayson, G., Negro, J.J., Giles Pacheco, F., Rodríguez Vidal, J. 2014, The earliest pigeon fanciers, *Scientific Reports* 4: 5971 DOI: 10.1038/srep05971.
- Blasco, R., Rosell, J., Gopher, A., Barkai, R. 2014, Subsistence economy and social life: a zooarchaeological view from the 300 kya central hearth at Qesem Cave, Israel, *Journal of Anthropological Archaeology* 35: 248-268.
- Borel, A., Ollé, A., Vergès, J.M., Sala, R. 2014, Scanning Electron and Optical Light Microscopy: two complementary approaches for the understanding and interpretation of usewear and residues on stone tools, *Journal of Archaeological Science* 48: 46-59.
- Bover, P., Rofes, J., Bailón, S., Agustí, J., Cuenca, G., Torres, E., Alcover, J.A. 2014, The late Miocene/early Pliocene vertebrate fauna from Mallorca (Balearic Islands, Western Mediterranean): an update, *Integrative Zoology* 9: 183–196.
- Bruner, E., Lozano, M. 2014, Extended mind and visuo-spatial integration: three hands for the Neandertal lineage, *Journal of Anthropological Sciences* 92: 273-280. doi:10.4436/JASS.92009.
- Bruner, E., Lozano, M. 2014, Three hands for the Neandertal lineage: reply to the comments, *Journal of Anthropological Sciences* 92: 303-305. doi:10.4436/JASS.92015.
- Bruner, E., Rangel de Lázaro, G., de la Cuétara, J.M., Martín-Loeches, M., Colom, R., Jacobs, H.I.L. 2014, Midsagittal brain variation and MRI shape analysis of the precuneus in adult individuals. *Journal of Anatomy* 224 (4): 367-376.
- Cebrià, A., Fontanals, M., Martín, P., Morales, J.I., Oms, F.X., Rodríguez-Hidalgo, A., Soto, M., Vergès, J.M. 2014, Nuevos datos para el Neolítico antiguo en el noreste de la Península Ibérica procedentes de la Cova del Toll (Moià, Barcelona) y de la Cova de la Font Major (L'Espluga de Francolí, Tarragona), *Trabajos de Prehistoria* 71(1): 134-145.
- Ceperuelo, D., Lozano, M., Duran-Sindreu, F., Mercadé, M. 2014, Root canal morphology of Chalcolithic and Early Bronze Age human populations of El Mirador Cave (Sierra de Atapuerca, Spain), *The Anatomical Record* 297: 2342-2348.
- Ciampaglia, G. L., Lozano, S., Helbing, D. 2014, Power and Fairness in a Generalized Ultimatum Game, *PLOS ONE*, 9(6): e99039.

Claude, J., Gomez de Soler, B., Campeny, G., Agusti, J., Oms, O. 2014. Presence of a chelydrid turtle in the late Pliocene Camp dels Ninots locality (Spain), *Bulletin de la Société Géologique de France* 185 (4): 253-256.

Demuro, M., L.J. Arnold, J.M. Parés, A. Pérez-González, A.I. Ortega, J.L. Arsuaga, J.M. Bermúdez de Castro, E. Carbonell. 2014, New Luminescence Ages for the Galería Complex Archaeological Site: Resolving Chronological Uncertainties on the Acheulean Record of the Sierra de Atapuerca, Northern Spain, *PLOS ONE* 9, e110169.

Fernández-López de Pablo, J., Badal, E., Ferrer-García, C., Martínez-Ortí, A., Sanchís-Serra, A. 2014, Land snails as a diet diversification proxy during the Early Upper Palaeolithic in Europe, *PLOS ONE*. DOI: 10.1371/journal.pone.0104898

Fernández-López de Pablo, J. Barton M.C. 2013. Bayesian Estimation Dating of Lithic Surface Collections. *Journal of Archaeological Method and Theory*. doi. 10.1007/s10816-013-9198-z

Firmat, C., Lozano-Fernández, I., Agustí, J., Bolstad, G.H., Cuenca-Bescós, G., Hansen, T.F., Pélabon, C. 2014, Walk the line: 600,000 years of molar evolution constrained by allometry in the fossil rodent *Mimomys savini*, *Philosophical Transactions B* 369, 1649.

Gabucio, M. J., Cáceres, I., Rodríguez-Hidalgo, A., Rosell, J., Saladié, P. 2014, A wildcat (*Felis silvestris*) butchered by Neanderthals in Level O of the Abric Romaní site (Capellades, Barcelona, Spain), *Quaternary International* 326–327(0): 307-318.

Gabucio, M.J., Cáceres, I., Rosell, J., Saladié, P., Vallverdú, J. 2014, From small bone fragments to Neanderthal activity areas. The case of the Level O of the Abric Romaní site (Capellades, Barcelona, Spain), *Quaternary International* 330: 36-51.

García-Aguilar, J.M., Guerra-Merchán, A., Serrano, F., Palmqvist, P., Flores-Moya, A., Martínez-Navarro, B. 2014, Hydrothermal activity and its paleoecological implications in the latest Miocene to Middle Pleistocene lacustrine environments of the Baza Basin (Betic Cordillera, SE Spain), *Quaternary Science Reviews* 96: 204 - 221.

García-Argüelles, M.P., Nadal, J., Fullola, J.M., Bergadà, M.M., Domingo, I., Allué, E., Lloveras, Ll. 2014, Nuevas Interpretaciones Del Paleolítico Superior Final De La Cataluña Meridional: El Yacimiento De L' Hort De La Boquera (Priorat, Tarragona), *Trabajos de Prehistoria* 71(2): 243-261.

Garcia, J., Martínez, K., Cuenca-Bescós, G., Carbonell, E. 2014, Human occupation of Iberia prior to the Jaramillo magnetochron (1.07 Myr), *Quaternary Science Reviews* 98: 84-99.

García-Medrano, P., Ollé, A., Mosquera, M., Cáceres, I., Díez, C., Carbonell, E. 2014. The earliest Acheulean technology at Atapuerca (Burgos, Spain): Oldest levels of the Galería site (GII Unit), *Quaternary International* 353: 170-194.

Gómez-Sánchez, D., Olalde, I., Pierini, F., Matas-Lalueza, L., Gigli, E., Lari, M., Civit, S., Lozano, M., Vergès, J.M., Caramelli, D., Ramírez, O., Lalueza-Fox, C.

2014, Mitochondrial DNA from El Mirador Cave (Atapuerca, Spain) Reveals the Heterogeneity of Chalcolithic Populations, *PLOS ONE* 9 (8): e105105.

Hernanz Gismero, A., Ruiz López, J.F., Madariaga, J.M., Gavrilenko, E., Maguregui, M., Fdez-Ortiz de Vallejuelo, S., Martínez-Arkarazo, I., Alloza Izquierdo, R., Baldellou

Martínez, V., Viñas Vallverdú, R., Rubio i Mora, A., Pitarch, À., Giakoumaki, A. 2014. Spectroscopic characterisation of crusts interstratified with prehistoric paintings preserved in open-air rock art shelters, *Journal of Raman Spectroscopy*, 45 (11-12): 1236-1243.

López-García, J.M., Blain, H.-A., Bennàsar, M., Alcover, J.A., Bañuls-Cardona, S., Fernández-García, M., Fontanals, M., Martín, P., Morales, J.I., Muñoz, L., Pedro, M., Vergès, J.M. 2014, Climate and landscape during Heinrich Event 3 in south-western Europe: the small-vertebrate association from Galls Carboners cave (Mont-ral, Tarragona, north-eastern Iberia), *Journal of Quaternary Science* 29(2): 130-140.

López-García, J.M., Blain, H.-A., Bennàsar, M., Fernández-García, M. 2014, Environmental and climatic context of Neanderthal occupation in southwestern Europe during MIS 3 inferred from the small vertebrate assemblages, *Quaternary International* 326-327: 319-328.

López-García, J.M., Blain, H.-A., Julià, R., Maroto, J. 2014, Environment and climate during MIS 7 and its implication for the late Middle Pleistocene hominins: the contribution of Mollet cave, Serinyà, Girona, northeastern Spain, *Quaternary International* 337: 4-10.

Lozano-Fernández, I., Agustí, J., Bolstad, G. H., Cuenca-Bescós, G., Hansen, T. F., Pélabon, C. 2014. Walk the line: 600,000 years of molar evolution constrained by allometry in the fossil rodent *Mimomys savini*, *Philosophical Transactions B* 369, 1649.

Lozano-Fernández, I., Bañuls-Cardona, S., Blain, H.-A., López-García, J.M., Vallverdú, J., Agustí, J., Cuenca-Bescós, G. 2014, Biochronological data inferred from the Early Pleistocene small mammals of the Barranc de la Boella site (Tarragona, north-eastern Spain), *Journal of Quaternary Science* 29 (7): 722-728.

Lozano, S., Rodríguez, X. P., Arenas, A. 2014, Atapuerca: evolution of scientific collaboration in an emergent large-scale research infrastructure, *Scientometrics* 98 (2): 1505-1520.

Martín, P., Saladié, P., Nadal, J., Vergès, J.M. 2014, Butchered and consumed: Small carnivores from the Holocene levels of El Mirador Cave (Sierra de Atapuerca, Burgos, Spain), *Quaternary International* 353: 153-169.

Martínez, K., Garcia, J., Burjachs, F., Yll, R., Carbonell, E. 2014, Early human occupation of Iberia: the chronological and palaeoclimatic inferences from Vallparadís (Barcelona, Spain), *Quaternary Science Reviews* 85: 136-146.

Martínez-Navarro, B., Karoui-Yaakoub, N., Oms, O., Amri, L., López-García, J.M., Zerai, K., Blain, H.-A., Mtimet, M.-S., Espigares, M.P., Ben Haj Ali, N., Ros-Montoya, S., Boughdiri, M., Agustí, J., Khayati-Ammar, H., Maalaoui, K., Om El Khir,

- M., Sala, R., Othmani, H., Hawas, R., Gómez-Merino, G., Solé, A., Carbonell, E., Palmqvist, P. 2014, The early Middle Pleistocene archaeopaleontological site of Wadi Sarrat (Tunisia) and the earliest record of *Bos primigenius*, *Quaternary Science Reviews* 90: 37-46.
- Meyer, M., Fu, Q., Aximu-Petri, A., Glocke, I., Nickel, B., Arsuaga, J.-L., Martínez, I., Gracia, A., Bermúdez de Castro, J.M., Carbonell, E., Paabo, S. 2014, A mitochondrial genome sequence of a hominin from Sima de los Huesos, *Nature* 505: 403-406.
- Moncel, M.-H., Chacón Navarro, M.G., La Porta, A., Fernandes, P., Hardy, B. & Gallotti, R. 2014, Fragmented reduction processes: Middle Palaeolithic technical behaviour in the Abri du Maras shelter, southeastern France, *Quaternary International* 350: 180-204.
- Morales, J.I., Vergès, J.M. 2014, Technological behaviors in Paleolithic foragers. Testing the role of resharpening in the assemblage organization, *Journal of Archaeological Science* 49(0): 302-316.
- Münzel, S.C., Rivals, F., Pacher, M., Döppes, D., Rabeder, G., Conard, N.J., Bocherens, H. 2014, Behavioural ecology of Late Pleistocene bears (*Ursus spelaeus*, *U. ingressus*): insight from stable isotopes (C, N, O) and tooth microwear, *Quaternary International* 339-340: 148-163.
- Navazo, M., Carbonell, E. 2014, Neanderthal settlement patterns during MIS 4–3 in Sierra de Atapuerca (Burgos, Spain), *Quaternary International* 331: 267-277.
- Ollé, A., Vergès, J.M. 2014, The use of sequential experiments and SEM in documenting stone tool microwear, *Journal of Archaeological Science* 48: 60-72.
- Oms, F.X., Esteve, X., Mestres, J., Martín, P., Martins, H. 2014, La neolitización del nordeste de la Península Ibérica: datos radiocarbónicos y culturales de los asentamientos al aire libre del Penedès, *Trabajos de Prehistoria* 71, 42-55.
- Pablos, A., Martínez, I., Lorenzo, C., Sala, N., Gracia-Téllez, A., Arsuaga, J.L. 2014, Human calcanei from the Middle Pleistocene site of Sima de los Huesos (Sierra de Atapuerca, Burgos, Spain), *Journal of Human Evolution* 76: 63-76.
- Panera, J., Rubio-Jara, S., Yravedra, J., Blain, H.-A., Sesé, C., Pérez-González, A. 2014, Manzanares valley (Madrid, Spain): a good country for Proboscideans and Neanderthals, *Quaternary International* 326-327: 329-343.
- Picin, A., Vaquero, M., Weniger, G.-C., Carbonell, E. 2014, Flake morphologies and patterns of core configuration at the Abric Romaní rock-shelter: A geometric morphometric approach, *Quaternary International* 350: 84-93.
- Pineda, A., Saladié, P., Vergès, J. M., Huguet, R., Cáceres, I., Vallverdú, J. 2014, Trampling versus cut marks on chemically altered surfaces: an experimental approach and archaeological application at the Barranc de la Boella site (la Canonja, Tarragona, Spain), *Journal of Archaeological Science* 50(0): 84-93.

- Pou, R., Martí, M., Mozota, M., Armentano, N., Martín, P., Gibaja, J.F. 2014, Los enterramientos neolíticos de Ca l'Arnella (Terrassa, Barcelona), *Trabajos de Prehistoria* 71, 146-155.
- Rendu, W., Beauval, C., Crevecoeur, I., Bayle, P., Balzeau, A., Bismuth, T., Bourguignon, L., Delfour, G., Faivre, J.-P., Lacrampe-Cuyaubère, F., Tavormina, C., Todisco, D., Turq, A., Maureille, B. 2014, Evidence supporting an intentional Neandertal burial at La Chapelle-aux-Saints. *Proceedings of the National Academy of Sciences* 111 (1): 81-86
- Rivals, F., Takatsuki, S., Albert, R.M., Macià, L. 2014, Bamboo feeding and tooth wear of three sika deer (*Cervus nippon*) populations from northern Japan, *Journal of Mammalogy* 95:1043-1053.
- Rodríguez, J., Blain, H.-A., Mateos, A., Martín González, J.A., Cuenca-Bescós, G., Rodríguez Gómez, G. 2014, Ungulate carrying capacity in Pleistocene Mediterranean ecosystems. Evidences from the Atapuerca sites, *Palaeogeography, Palaeoclimatology, Palaeoecology* 393: 122-134.
- Rodríguez-Gómez, G., Mateos, A., Martín-González, J.A., Blasco, R., Rosell, J., Rodríguez, J. 2014, Discontinuity of Human Presence at Atapuerca during the Early Middle Pleistocene: A Matter of Ecological Competition?, *PLOS ONE* 9(7): e101938. doi:10.1371/journal.pone.0101938.
- Rodríguez-Vidal, J., d'Errico, F., Giles, F., Blasco, R., Rosell, J., Jennings, R., Qefelec, A., Finlayson, G., Fa, D. A., Gutierrez López, J. M., Carrión, J. S., Negro, J. J., Finlayson, S., Cáceres, L. M., Bernal, M. A., Fernández Jiménez, S., Finlayson, C. 2014, A rock engraving made by Neanderthals in Gibraltar, *PNAS* 111(37): 13301-13306.
- Romandini, M., Peresani, M., Laroulandie, V., Metz, L., Pastoors, A., Vaquero, M., Slimak, L. 2014, Convergent Evidence of Eagle Talons Used by Late Neanderthals in Europe: A Further Assessment on Symbolism, *PLOS ONE* 9: e101278.
- Rufà, A., Blasco, R., Rivals, F., Rosell, J. 2014, Leporids as a potential resource for predators (hominins, carnivores, birds): an example of mixed contribution from level III of Teixoneres Cave (MIS 3, Barcelona, Spain), *Comptes Rendus Palevol* 13: 665-680.
- Saladié, P., Rodríguez-Hidalgo, A., Huguet, R., Cáceres, I., Díez, C., Vallverdú, J., Canals, A., Soto, M., Santander, B., Bermúdez de Castro, J.M., Arsuaga, J.L., Carbonell, E. 2014, The role of carnivores and their relationship to hominin settlements in the TD6-2 level from Gran Dolina (Sierra de Atapuerca, Spain), *Quaternary Science Reviews* 93: 47-66.
- Sánchez-Hernández, C., Rivals, F., Blasco, R., Rosell, J. 2014, Short, but repeated Neandertal visits to Teixoneres Cave (MIS 3, Barcelona, Spain): a combined analysis of tooth microwear patterns and seasonality, *Journal of Archaeological Science* 49: 317-325.
- Talamo, S., Peresani, M., Romandini, M., Duches, R., Jéquier, C., Nannini, N., Pastoors, A., Picin, A., Vaquero, M., Weniger, G.-C., Hublin, J.-J. 2014, Detecting Human Presence at the Border of the Northeastern Italian Pre-Alps. 14C Dating at Rio

Secco Cave as Expression of the First Gravettian and the Late Mousterian in the Northern Adriatic Region, *PLOS ONE* 9 (4): e95376.

Terradillos-Bernal, M., Rodríguez-Álvarez, X.-P. 2014, The influence of raw material qualities in the lithic technology of Gran Dolina (Units TD6 and TD10) and Galería (Sierra de Atapuerca, Burgos, Spain): A view from experimental archeology, *Comptes Rendus Palevol* 13 (6): 527-542.

Vallverdú, J., Saladié, P., Rosas, A., Huguet, R., Cáceres, I., Mosquera, M., Garcia-Tabernero, A., Estalrich, A., Lozano-Fernández, I., Pineda-Alcalá, A., Carrancho, Á., Villalain, J.J., Bourlès, D., Braucher, R., Lebatard, A., Vilalta, J., Esteban-Nadal, M., Bennàsar, M.L., Bastir, M., López-Polín, L., Ollé, A., Vergés, J.M., Ros-Montoya, S., Martínez-Navarro, B., García, A., Martinell, J., Expósito, I., Burjachs, F., Agustí, J., Carbonell, E. 2014, Age and Date for Early Arrival of the Acheulian in Europe (Barranc de la Boella, la Canonja, Spain), *PLOS ONE* 9 (7): e103634.

Vergès, J.M., Morales, J.I. 2014, The gigapixel image concept for graphic SEM documentation. Applications in archeological use-wear studies, *Micron* 65(0): 15-19.

Zanoli C., Bondioli, L., Coppa, A., M. Dean, C., Bayle, P., Candilio, F., Capuani, S., Dreossi, D., Fiore, I., W. Frayer, D., Libsekal, Y., Mancini, L., Rook, L., Medin, T., Tuniz, C., Macchiarelli, R. 2014, The late Early Pleistocene human dental remains from Uadi Aalad and Mulhuli-Amo (Buia), Eritrean Danakil: Macromorphology and microstructure, *Journal of Human Evolution*, 74: 96–113.

Articles indexed SCI/SSCI

Boric, D., French, C.A., Stefanovic, S., Dimitrijevic, V., Cristiani, E., Gurova, M., Antonovic, D., Allué, E., Filipovic, D. 2014, Late Mesolithic lifeways and deathways at Vlasac (Serbia), *Journal of Field Archaeology* 39: 4-31.

García Barbo, A. B., Rodríguez-Hidalgo, A., Morales, J. I., Martinell, J., Cebrià, A., Blasco, R., Rosell, J. 2014, La malacofauna marina de las fases holocenas en la Cueva del Toll (Moiá, Barcelona): Nuevas aportaciones para el Neolítico nororiental, *Archaeofauna* 23: 105-115.

Peresani, M., Romandini, M., Duches, R., Jéquier, C., Nannini, N., Pastoors, A., Picin, A., Schmidt, I., Vaquero, M., Weniger, G.-Ch. 2014, New evidence for the Mousterian and Gravettian at Rio Secco Cave, Italy, *Journal of Field Archaeology*, 39(4): 401-416.

Revelles, J., Antolín, F., Berihuete, M., Burjachs, F., Buxó, R., Caruso, L., López, O., Palomo, A., Piqué, R., Terradas, X. 2014, Landscape transformation and economical practices among the first farming societies in Lake Banyoles (Girona, Spain), *Environmental Archaeology* 19 (3): 298-310.

Rieau C., Gardeisen A., Rivals F., 2014. Alimentation des troupeaux durant l'âge du bronze à travers l'analyse des micro-usures dentaires, les exemples d'Angelohori et Archontiko (Macédoine, Grèce). *Aegaeum* 37 : 401-408.

Vaiglova P., Rivals F., Bogaard A., Fraser R., Gardeisen A., Cavanagh W., Mee C., Renard J., Lamb A., 2014. Interpreting ancient crop and animal management strategies at Neolithic Kouphovouno, southern Greece: Results of integrating crop and animal stable isotopes and dental micro- and mesowear. *Aegaeum* 37, 287-296.

Others

Aparicio, J., Subirà, E., Gómez Merino, G., Lorenzo, C., Lozano, M., Herrero, M., 2014, Los Neandertales de la Cova Foradà de Oliva (Estado actual de la investigación), *Real Academia de Cultura Valenciana. Sección de Estudios arqueológicos y prehistóricos*.

Asryan, L., Ollé, A., Moloney, N. 2014, Reality and confusion in the recognition of post-depositional alterations and use-wear: an experimental approach on basalt tools, *Journal of Lithic Studies* 1: 9-32.

Asryan, L., Ollé, A., Moloney, N., King, T. 2014, Lithic assemblages of Azokh Cave (Nagorno Karabagh, Lesser Caucasus): raw materials, technology and regional context, *Journal of Lithic Studies* 1: 33-54.

Bargalló, A., Chacón, M.G., Gómez de Soler, B., Soto, M. 2014, The role of the limestone in the Middle Palaeolithic technological behaviours through the refitting and the spatial patterning analysis: the level O of the Abric Romaní site (Capellades, Barcelona, Spain), *Debating Spatial Archaeology. Proceedings of the International Workshop of Landscape and Spatial Analysis in Archaeology*. Santander: 113-130.

Bazgir, B., Davoudi, D. 2014, Test Excavations at Gilvaran, Kaldar, Ghamari Caves and Gar Arjeneh Rock Shelter (In Persian). In Brief Articles in the 12th Annual Symposium on the Iranian Archaeology, *Iranian Center for Archaeological Research (ICAR)*: 72-76.

Bazgir, B., Tumung, L. 2014, Possible Evidences of Hunting Activities from the Middle and Upper Paleolithic Sites of Gilvaran, Ghamari and Kaldar: A Case Study Based on Microwear and Techno-Functional Analysis (In Persian with an English abstract), *Modares Archaeological Research. Volume V, 9*: 197-213.

Blain, H.-A., 2014, Anfíbios y escamosos de Cueva Victoria, *Mástia* 10: 161-183.

Costa, R., Bessa, J., Llorente, M. 2014, Environmental enrichment in captive chimpanzees and its role on the resocialization process in a social group: A case study, *Folia Primatologica*. 85 – 1: 64 - 65.

Costa, R., Sousa, C., Llorente, M. 2014, Environmental enrichment for captive primates: Research on primate welfare at Maia's Zoo, *Folia Primatologica*. 85 – 1: 50 - 50.

Carbonell, E., Hortolà, P. 2014, Hominización y humanización, dos conceptos clave para entender nuestra especie, *Revista Atlántica-Mediterránea de Prehistoria y Arqueología Social (RAMPAS)* 15 (yearly volume): 7-11.

García-Barbo, A.B., Rodríguez-Hidalgo, A., Morales, J.I., Martínell, J., Cerbríà, A., Blasco, R., Rosell, J. 2014, La malacofauna marina de las fases holocenas en la

Cueva del Toll (Moià, Barcelona): nuevas aportaciones para el Neolítico nororiental, *Arqueofauna, International Journal of Archaeozoology*: 105-115, ISSN:1132-6891.

Gómez de Spñer, B., Campent, G., Oms, O., Agustí, J., Blani, H.A., Van Der Made, J., Martín, P., Mateos, P., Prikryl, T., Riba, D., Roubach, S., Salonia, A. 2014, El jaciment del Camp dels Ninots (Caldes de Malavella, la Selva). Intervencions en el bienni 2012-2013, *XII Jornades d'Arqueologia de les comarques de Girona*. Besalú: 15-27.

Lorenzo, C. 2014, Las raíces de los neandertales. *Investigación y Ciencia* 458: 8-9.

Llorente, M., Armisen, S., Feliu, O. 2014, New postgraduate programme in primatology: enhancing learning through research and practice, *Folia Primatologica*. 85 – 1: 67 - 68.

Llorente, M., Campi, A. 2014, Is “tool use” a welfare tool? Using an artificial ant-fishing task as environmental enrichment in naturalistically housed chimpanzees from the Fundació Mona, *Folia Primatologica*. 85 – 1: 68.

Llorente, M., Riba, D., Feliu, O. 2014, Space use as an indicator of animal welfare: A 7-year long-term study with the chimpanzees from the Fundació Mona, *Folia Primatologica*. 85 – 1: 51 - 52.

Lozano, S., Fernández López de Pablo, J. F. L., Prignano, L., Pastó, I., Gómez, M., Jones, S. E., Arenas, A. 2014, COMPATHEVOL: Aplicando modelización y análisis de sistemas complejos al estudio de la evolución humana. *Revista Española de Física*, 28(3), 7-10.

Mateos, A., Rodríguez, J., Laplana, C., Sevilla, P., Ollé, A., Karampaglidis, T., Rodríguez-Gómez, G. 2014, Los yacimientos arqueo-paleontológicos de La Loma y el poblamiento paleolítico del norte de Palencia, *Colección de Historia Montaña Palentina* 8: 11-44.

Menéndez, B., Viñas, R., Benavente, M. E., Terrazas, A., Rubio, A. 2014, The Arroyo Las Flechas' Rock Art engravings: symbolic associations in Sierra el Alamo (Caborca, Sonora, México), *EXPRESSION 5, Bimonthly e-letter of the Commission on intellectual and spiritual expressions of non-literate peoples*.

Menéndez, B., Viñas, R., Benavente, M. E., Terrazas, A., Rubio, A. 2014, The Arroyo Las Flechas' Rock Art engravings: symbolic associations in Sierra el Alamo (Caborca, Sonora, México), *EXPRESSION 6, Bimonthly e-letter of the Commission on intellectual and spiritual expressions of non-literate peoples*.

Mosquera, M. 2014, Tracing Back the Origin of Human Complex Cognition: The Operative Intelligence of *Homo heidelbergensis*, *Folia Primatologica* 85 (1): 44-45.

Ortin, S., Parera, J., Llorente, M. 2014, Changes in a group dynamics of an already established social group as a result of the integration of a new chimpanzee, *Folia Primatologica*. 85 – 1: 69 - 69.

- Parera, J., Ortín, S., Llorente, M. 2014, Transfer and integration of a male chimpanzee into a new social group: A case study at the Fundació Mona, *Folia Primatologica*. 85 – 1: 70 - 70.
- Riba, D., Llorente, M., Mosquera, M. 2014, Observational learning in chimpanzees (*Pan troglodytes*): Experimental evaluation through multiple tasks, *Folia Primatologica* 85 (1): 53-54.
- Rodríguez Escalada, L., Riba, D., Llorente, M., Mosquera, M. 2014, Social learning mechanisms in chimpanzees (*Pan troglodytes*): An experimental study through two manipulative tasks, *Folia Primatologica* 85 (1): 71.
- Roubach, S., Gómez de Soler, B., Campeny Vall-Llosera, G., Morales, J.I. 2014, Preparation of a turtle fossil from the pliocene site of Camp dels Ninots (Caldes de Malavella, Girona, Spain), *Journal of Paleontological Techniques* 13: 38-49.
- Rubio, A., Viñas, R., Quijada, C., Arroyo J., Menéndez, B., Hernanz, A., Iriarte, M., Santos, N. 2014, The Rock Art of Saracachi River Basin: The El Arco and Blanca de la Pulsera caves, Sonora (México), *EXPRESSION 6, Bimonthly e-letter of the Commission on intellectual and spiritual expressions of non-literate peoples*.
- Sabarros, C., Cazeils, C., Llorente, M. 2014, Structural and feeding enrichment effects on a group of barbary macaques (*Macaca sylvanus*): A case study, *Folia Primatologica*. 85 – 1: 72 - 72. 2.
- Sauquet, T., Llorente, M. 2014, Do chimpanzees like videos and music? Sensorial enrichment and its impact on the welfare of chimpanzees at the Fundació Mona (Girona, Spain), *Folia Primatologica*. 85 – 1: 55 - 55.
- Sauquet, T., Úbeda, Y., Llorente, M. 2014, Long-term use of sensorial enrichment in chimpanzees (*Pan troglodytes*): Is it really powerful or just ineffective?, *Folia Primatologica*. 85 – 1: 73 - 73.
- Scott, L., Llorente, M. 2014, Behaviour across the menstrual cycle of captive female chimpanzees (*Pan troglodytes*) taking a combined oral contraceptive pill, *Folia Primatologica*. 85 – 1: 56 - 56.
- Soto, M., Gómez de Soler, B., Vallverdú, J., Vaquero, M. 2014, Potential siliceous sources during Prehistory: Results of prospecting in the East margin of the Ebro Basin (NE Iberian Peninsula), *Journal of Lithic Studies*, 1(1).
- Úbeda, Y., Llorente, M. 2014, Ethograms or questionnaires? A comparative view on personality assessment in chimpanzees (*Pan troglodytes*) at the Fundació Mona (Girona, Spain), *Folia Primatologica*. 85-1: 58 – 59.
- Úbeda, Y., Sauquet, T., Llorente, M. 2014, Personality in chimpanzees (*Pan troglodytes*): A comparative study between psychobiological and penta-factorial models at the Fundació Mona (Girona, Spain), *Folia Primatologica*. 85-1: 74 - 75.
- Vendrell, L., Llorente, M. 2014, Chimpanzees to the public: The “visitor effect” and its impact on animal welfare at the Fundació Mona Rehabilitation Centre (Girona, Spain), *Folia Primatologica*. 85 – 1: 59 - 59.

Viñas, R., Rubio, A., Quijada, C., Arroyo J., Santos, N. 2014, A ritual space with paintings and engravings in the La Calera Rock Art set, Sonora (México), *EXPRESSION 5*, Bimonthly e-letter of the Commission on intellectual and spiritual expressions of non-literate peoples.

Book chapters

Alonso, S.; Vaquero, M.; Ameijenda, A. La cueva de Valdavara. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 31-33.

Allué, E., Euba Rementeria, I., 2014. Estudio Antracológico. In: López-Recio, M., Morín, J., Silva, P. (eds.): *El yacimiento Paleolítico del 12 de Octubre. Geoarqueología en el valle inferior del Manzanares*. MARq Audema, Madrid: 103-108.

Arilla, M., Rosell, J., Camarós, E., Blasco, R., Fàbregas, J., Rafel, N., Gallart, J., Piera, M., 2014. Neandertals a les portes del Pirineu: explorant la Cova de les Llenes d'Erinyà (Conca de Dalt, Pallars Jussà). In: J. Gallart (ed.): *Primeres Jornades d'Arqueologia i Paleontologia del Pirineu i Aran*.

Aranda, V., Canals, A., Ollé, A., 2014. Experimental program for the detection of use wear in quartzite. In: Bicho N. F., Gibaja J. F., Marreiros, J. (eds.): *Use-Wear 2012. Proceedings of the International Conference on Use-Wear analysis*. Cambridge Scholars Publishing: 45-54.

Bargalló, A., Chacón, M.G., Gómez de Soler, B., Soto, M., 2014. The role of the limestone in the Middle Palaeolithic technological behaviours through the refitting and the spatial patterning analysis: the level O of the Abric Romaní site (Capellades, Barcelonès, Spain). In: García, A., Maximiano, A., Ríos-Garaizar, J. (eds.): *Debating Spatial Archaeology. Proceedings of the International Workshop on Landscape and spatial analysis in Archaeology. Santander, Juner 8th-9th, 2012*. Instituto Internacional de Investigaciones Prehistóricas de Cantabria. Cantabria.

Barsky D., 2014. North and Saharan Africa Geography and Culture during the Lower Stone Age. In: Smith, C. (ed.): *Encyclopedia of Global Archaeology*, Springer, New York: 5454-5475.

Blain, H.-A., Agustí, J., Cuenca-Bescós, G., 2014. Reconstructing Quaternary climate and landscape using amphibians and reptiles: the case of the first human settlement in Western Europe. In: Izeta, A. (ed.): *Abstracts / Libro de Resúmenes. 12da Conferencia Internacional ICAZ*. 1a edición, Córdoba: Universidad Nacional de Córdoba. Facultad de Filosofía y Humanidades: 22.

Blain, H.-A., López-García, J.M., Cordy, J.-M., Pirson, S., Abrams, G., Di Modica, K., Bonjean, D., 2014. Amphibians and squamate reptiles from the Middle to Late Pleistocene of Belgium. In: Delfino, M., Carnevale, G., Pavia, M. (eds.): *Abstract Book and Field Trip Guide, XII Annual Meeting of the European Association of Vertebrate Paleontologists*. Museo Regionale di Scienze Naturali, Regione Piemonte, Torino: 24.

Blain, H.-A., Delfino, M., Agustí, J., Rook, L., Lordkipanidze, D., 2014. Paleoherpetology and human paleoecology: the case of Dmanisi (Early Pleistocene, Georgia). In: Delfino, M., Carnevale, G., Pavia, M. (eds.): *Abstract Book and Field Trip Guide, XII Annual Meeting of the European Association of Vertebrate Paleontologists*. Museo Regionale di Scienze Naturali, Regione Piemonte, Torino: 25.

Blanco, À., Agustí, J., Blain, H.-A., Sala, R., Toro, I., 2014. The ictiofauna from the Early Pleistocene site of Barranco León (Guadix-Baza Basin, SE Spain). In: Delfino, M., Carnevale, G., Pavia, M. (eds.): *Abstract Book and Field Trip Guide, XII Annual Meeting of the European Association of Vertebrate Paleontologists*. Museo Regionale di Scienze Naturali, Regione Piemonte, Torino: 26.

Buzna, L., Lozano, S., Díaz-Guilera, A., 2014. How Does Network Topology Determine the Synchronization Threshold in a Network of Oscillators?. In: *Operations Research Proceedings 2012*. Springer International Publishing.

Canals, A, Aranda, V., Barrero N., Bermejo, L., Donadei, P. Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E., 2014. El Conejar cave, Cáceres (Extremadura). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 593-595.

Canals, A, Aranda, V., Barrero N., Bermejo, L., Donadei, P. Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E., 2014. El yacimiento al aire libre de El Millar, Cáceres (Extremadura). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 598-600.

Canals, A, Aranda, V., Barrero N., Bermejo, L., Donadei, P. Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E., 2014. El yacimiento al aire libre de Vendimia, Malpartida de Cáceres (Extremadura). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 596-597.

Canals, A, Aranda, V., Barrero N., Bermejo, L., Donadei, P. Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E., 2014. La Cueva de Maltravieso, Cáceres (Extremadura). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 590-592.

Canals, A, Aranda, V., Barrero N., Bermejo, L., Donadei, P. Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E., 2014. La Cueva de Santa Ana, Cáceres (Extremadura). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gi-*

braltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca, Burgos: 587-589.

Carbonell, E., Huguet, R., Cáceres, I., Lorenzo, C., Mosquera, M., Ollé, A., Rodríguez, X.P., Saladié, P., Vergès, J.M., García-Medrano, P., Rosell, J., Vallverdú, J., Carretero, J.M., Navazo, M., Ortega, A.I., Martínón-Torres, M., Morales, J.I., Allué, E., Aramburu, A., Canals, A., Carrancho, Á., Castilla, M., Expósito, I., Fontanals, M., Francés, M., Galindo-Pellicena, M.A., García-Antón, M.D., García, N., Gracia, A., García, R., Gómez-Merino, G., Iriarte, E., de Lombera-Hermida, A., López-Polín, L., Lozano, M., Made, J.v.d., Martínez, I., Mateos, A., Pérez-Romero, A., Poza, E., Quam, R., Rodríguez-Hidalgo, A., Rodríguez, J., Rodríguez, L., Santos, E., Terradillos, M., Bermúdez de Castro, J.M., Arsuaga, J.L., 2014, Sierra de Atapuerca archaeological sites. In: Sala Ramos, R. (ed.):

Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos / Fundación Atapuerca, Burgos: 534-560.

Expósito, I., Burjachs, F., Llàcer, P., 2014. VII: Análisis palinológico. In: López-Reco, M.; Morín de Pablos, J.; Silva, P.G. (eds.): *El yacimiento paleolítico del 12 de Octubre. Geoarqueología en el valle inferior del Manzanares*: 89-101. MARq SPhA Audema, Serie Prehistoria Antigua, Madrid.

Cebrià, A., 2014. Cova del Toll and Cova de les Teixoneres. Moià, Barcelona. In: Sala Ramos, R (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos, Fundación Atapuerca. Burgos: 302-307.

Chacón, M.G., Vallverdú, J., Allué, E., Bargalló, A., Bartrolí, R., Cáceres, I., Campeny, G., Gabucio, J., Gómez de Soler, B., Romagnoli, F., Saladié, P., Solé, A., Vaquero, M., Carbonell, E., 2014. Projecte de recerca a l'Abric Romaní (Capellades, Anoia, Barcelona): intervencions arqueològiques, resultats i publicacions. In: *II Jornades d'arqueologia de la Catalunya Central 2012*. Generalitat de Catalunya, Barcelona: 59-64.

Espigares, M.P., Ros-Montoya, S., Palmqvist, P., Martínez-Navarro, B. 2014. The Lower and Middle Pleistocene in the Guadix-Baza and Orce Basin. 4. The faunal assemblage of Barranco León. *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos, Fundación Atapuerca. Burgos:481 - 482.

Espigares, M.P., Ros-Montoya, S., Palmqvist, P., Martínez-Navarro, B. 2014 The Lower and Middle Pleistocene in the Guadix-Baza and Orce Basin. 5. The faunal assemblage of Fuente Nueva-3. *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos, Fundación Atapuerca. Burgos: 483 484.

Espigares, M.P., Ros-Montoya, S., Riquelme, J.A., Martínez-Navarro, B., Palmqvist, P. 2014. Capítulo 11. Informe Paleontológico. Cueva de Ardales 2011-2014 *Intervenciones Arqueológicas*. Pinsapar: 95 - 104.

de la Rasilla, M., Rosas, A., Cañaveras, J.C. , Lalueza-Fox, C., Santamaría, D., Sánchez-Moral, S., Estalrich, A., García-Taberner, A., Silva, P.G., Martínez, E., Santos, G., Martínez, L., Duarte, E., Huguet, R., Bastir, M., Fernández de la Vega, J., Suárez, P., Díez, A.B., Fernández-Cascón, B., Cuezva, S., Fernández Cortés, A., García-Antón, E., Muñoz, C., Lario, J., Carrasco, P., Huerta, P., Ayarza, P., Álvarez Lobato, F., Rodríguez, L., Picón, I., Fernández, B., Standing, M., Sesé, C., de Torres, T., Ortiz, J.E., Valladas, H., Mercier, N., Tisnèrat-Laborde, N., Grün, R., Eggins, S., Higham, T., Wood, R.E., Julià, R., Soler, V., Badal, E., Tarriño, A., Carlos Salazar, D.C., Alonso, J., 2014. La Cueva del Sidrón (Piloña). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos y Fundación Atapuerca. Burgos: 122-128.

de Lombera Hermida, A., Rodríguez, X. P., 2014. The Paleolithic site of As Gandaras de Budiño (O Porriño, Pontevedra). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Burgos: Universidad de Burgos & Fundación Atapuerca: 15-17.

de Lombera Hermida, A., Rodríguez, X. P., Fábregas-Valcarce, R., 2014. Cova Eirós archaeo-palaeontological site, Triacastela, Lugo. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos & Fundación Atapuerca. Burgos: 18-25.

Fernández López de Pablo, J., 2014. Art traditions, symbolic contexts and cultural interactions during the Mesolithic-Neolithic transition in Eastern Iberia. In: Manen, C., Terrin, Th., and Guilaine, J. (eds.): *La Transition Néolithique en Méditerranée. Editions Errance*: 371-403.

Fernández-López de Pablo, J., Gómez Puche, M.M., Esquembre Bebia, M.A., 2014. Casa Corona (Villena, Alicante, Spain). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos-Fundación Atapuerca. Burgos: 331-337.

Fernández Peris, J., Barciela, V., Blasco, R., Cuartero, F., Hortelano, L., Sañudo, P., 2014. Bolomor Cave (Tavernes de La Valldigna, Valencia, Spain). In: Sala, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos-Fundación Atapuerca. Burgos: 323-331.

Ferreira, C., Allué, E., Cruz, A.R., Rosina, P.L., Oosterbeek, L., 2014. Estudo antropológico do Povoado Neolítico da Amoreira (Alto Ribatejo, Centro do Portugal). In: Bitencourt, J. (ed.): *Archeologia Ibero americana e trasatlantica. Archeologia, Sociadae et Territorio*. Ed. Habilis Press, Críciúma: 41-50.

Finlayson, C., Blasco, R., Rodríguez-Vidal, J., Giles Pacheco, F., Finlayson, G., Gutierrez, J.M., Jennings, R., Fa, D.A., Rosell, J., Carrión, J.S., Sánchez Marco, A., Finlayson, S., Bernal, M.A., 2014. Gibraltar excavations with particular reference to Gorham's and Vanguard Caves. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene*

Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos-Fundación Atapuerca. Burgos: 506-514.

Fontanals, M., Vergès, J.M., Morales, J.I., 2014. La Cativera (El Catllar, Tarragona). A Pleistocene-Holocene interphase site in southern Catalonia. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca, Burgos: 236-238.

García, J., Carbonell, E., Rodríguez, X. P., Sala, R., 2014. The Ter river basin in the Lower Palaeolithic: Cau del Duc, Puig d'en Roca and La Selva (Northeast Catalonia). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 261-266.

Höbig, N., Hoffmeister, D., Becerra, S., Cabello, L., Cantillo, J.J., Vijande, E., Gutiérrez, J.M., Barrena, A., 2014. Capítulo 18: Valoración interdisciplinaria y perspectivas de estudio para el proyecto general de investigación. Cueva de Ardales 2011-2014 Intervenciones Arqueológicas. Pinsapar: 195 – 200.

Martínez-Navarro, B., Espigares, M.P., Pastó, I., Ros-Montoya, S., Palmqvist, P., 2014. In C. Smith ed. Early Homo Fossil Records of Europe. *Encyclopedia of Global Archaeology. 1*. Springer Science+Business Media New York: 2561 -2570.

Morales *et al.*, 2014. Intervencions sistemàtiques als dipòsits holocens i pleistocens de la Cova del Toll (Moia, Bages) entre els anys 2006 i 2011. In: *II Jornades d'arqueologia de la Catalunya Central 2012*. Generalitat de Catalunya: 68-73.

Morales, J.I., Rodríguez-Hidalgo, A., Cebrià, A., Oms, F-X., Allué, E., Fernández-García, M., López-García, J.M., Soto, M., García Barbo, A.B., 2014. Intervencions sistemàtiques als dipòsits holocens i pleistocens de la Cova del Toll (Moia, Bages) entre el anys 2006 i 2011. In: Generalitat de Catalunya. Departament de Cultura (eds.): *Actes II Jornades d'Arqueologia de la Catalunya Central*. Generalitat de Catalunya. Departament de Cultura. Barcelona.

Oliveira, N.J., Ferreira, C., Allué, E., Burjachs, F., Cruz, A.R., Oosterbeek, L., Rosina, P.; Saladié, P., 2014. Acerca do impacto climático e antrozoogénico nos inícios da economia produtora: O registro do Alto Ribatejo (Portugal central, Oeste da Península Ibérica). In: Zocche, J.J.; Bitencourt, J.; Oliveira, N.J.; Ricken, Cl. (Eds.): *Arqueofauna e Paisagem: 63-84*. Habis Editoria, Erechim – RS.

Ollé, A., Saladié, P., Vallverdú, J., Cáceres, I., Van der Made, J., Expósito, I., Burjachs, F., López-Polín, L., Bennàsar, M., Salazar- García, D. C. and Olària, C., 2014. La Cova de Dalt del Tossal de la Font. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 413-417.

Ollé, A., Vergès, J.M., Peña, L., Aranda, V., Canals, A., Carbonell, E., 2014. A microwear analysis of handaxes from Santa Ana cave (Cáceres, Extremadura, Spain).

In: Bicho, N.F., Gibaja, J.F., Marreiros, J. (eds.): *Use-Wear 2012. Proceedings of the International Conference on Use-Wear analysis*. Cambridge Scholars Publishing: 278-286.

Pedergrana, A., Ollé, A., 2014. Use-wear and residues analyses on quartzite stone tools: setting up a methodology. In: Lemorini, C., Nunziante Cesaro, S. (eds.): *An Integration of Use-Wear and Residue Analysis for the Identification of the Function of Archaeological Stone Tools. Proceedings of the International Workshop, Rome, March 5th-7th, 2012*. Archaeopress, Oxford: 43-62.

Ramos, P., Weniger, G.C., Pastoors, A., Kehl, M., Linstädter, J., Cantalejo, P., Medianero, J., Espejo, M.M., Durán, J.J., Domínguez-Bella, S., Ruiz, B., Gil, M.J., Hernández, V., Villar, S.J., Capel-Ferrón, C., López-Navarrete, J.T., Riquelme, J.A., Palmqvist, P., Espigares, M.P., Ros-Montoya, S., Martínez-Navarro, B., Reicherter, K., Martínez-Navarro, B., Espigares, M.P., Ros-Montoya, S., Palmqvist, P., 2014. The Lower and Middle Pleistocene in the Guadix-Baza and Orce Basin. 1. Venta Micena. Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos, ISBN 978-84-92681-87-7: 474 -476.

Rodríguez, X. P., 2014. La investigación interdisciplinar en evolución humana: Atapuerca como ejemplo. In: Valderrama, L., Santander, B. (Coords.): *Socializar Conocimientos N°2: Observando a Chile desde la Distancia*. Santiago de Chile, RedInche Ediciones: 54-60

Rodríguez, X.P., de Lombera Hermida, A., Fábregas-Valcarce, R., 2014. Paleolithic occupations in the Monforte de Lemos Basin (Lugo, Galicia). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 26-31.

Rodríguez, L., Santos, E., Terradillos, M., Bermúdez de Castro, J.M., Arsuaga, J.L., 2014. Los yacimientos arqueológicos de la Sierra de Atapuerca / Sierra de Atapuerca archaeological sites. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 534-560.

Rodríguez, X. P., Sala R., 2014. Palaeolithic Settlements in the Congost de Sant Julià de Ramis (Girona). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 256-260.

Rosell, J., Blasco, R., Rivals, F., Camarós, E., Arilla, M., Fàbregas, J., Rufà, A., Sánchez Hernández, C., 2014. Amagant les proves: superposicions de l'activitat de carnívors i Neandertals a la Cova de les Teixoneres (Moià, Bages). In: G. d. C. M. Episcopal (eds.): *II Jornades d'Arqueologia de la Catalunya Central 2012*. Vic: 74-77.

Rosell, J., Blasco, R., Rivals, F., Chacón, M.G., Blain, H.-A., López-García, J.M., Picin, A., Camarós, E., Rufà, A., Sánchez, C., Gómez, G., Arilla, M., Gómez de Soler, B., Bustos, G., Iriarte, E., Cebrià, A., 2014. Cova del Toll and Cova de les Teixoneres.

Moià, Barcelona. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos-Fundación Atapuerca. Burgos: 302-307.

Rosell, J., Canals, A. 2014, Las Fuentes de San Cristóbal (Veracruz, Huesca). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 47-49.

Rosell, J., Rodríguez, X. P., Blasco, R., Camarós, E., Arilla, M., Picin, A., Iriarte, E., 2014. Nerets and La Cova de les Llenes archaeological sites (Pallars Jussà, Lleida). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca., Burgos: 196-200.

Saladié, P., Huguet, R., Cáceres, I., Rodríguez-Hidalgo, A., Díaz-Marco, P., Marín-Hernando, J., Pineda, A., Almeida, N. J., Carbonell, E., 2014. 20 años conversando con *H. antecessor* explotación de recursos animales en el nivel del Pleistoceno Early TD6-2 de Gran Dolina (Sierra de Atapuerca). In: Zocche, J., Campos, J.B., Almeida, N.J. Ricken (Coords.): *Arqueofauna e Paisagem*. Habilis Editora, Erechim, Brasil: 11-35. ISBN 978-85-60967-61-2.

Santander, B., 2014. The use of Experimental Archaeology in the Hypothesis Testing. The case of the Bone Technology of Tulan-54 (Northern Chile). In: Cura, S, J. Cerezer, M. Gurova, B. Santander, L. Oosterbeek, J. Cristovão (eds.): *Technology and Experimentation in Archaeology. Proceedings of sessions the XVI World Congress of UISPP. Florianópolis, Brasil*. BAR International Series 2657. Oxford, UK.

Utrilla, P., Baldellou, V., Bea, M., Montes, L. y Viñas, R., 2014. La Cueva de la Fuente del Trucho (Asque-Colungo, Huesca). Valle del Ebro, Pirineos y Prepirineo. In: Sala, R., Carbonell, E., Bermúdez, J.M., Arsuaga, J.L. (coord.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca: 171-178

Vallverdú, J., Allué, E., Bargalló, A., Cáceres, I., Campeny, G., Chacón, M.G., Gabucio, M.J., Gómez de Soler, B., López, J.M., Marín, J., Romagnoli, F., Saladié, P., Solé, A., Vaquero, M., Carbonell, E., 2014. Abric Romaní (Capellades, Anoia). In: Sala Ramos, R (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos – Fundación Atapuerca: 221-231

Vallverdú, J., Saladié, P., Rosas, A., Huguet, R., Cáceres, I., Pineda, A., Ollé, A., Mosquera, M., García-Taberner, A., Estalrich, A., Carrancho, Á., Villalaín, J.J., Bourlès, D.L., Braucher, R., Lebatard, A., Vilalta, J., Lozano-Fernández, I., López-Polín, L., Moreno, E., Vergès, J.M., Expósito, I., Agustí Ballester, J., Carbonell, E., Capdevila, R., 2014. El Barranc de la Boella (la Canonja, Tarragona, Catalonia, Spain). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The*

Gibraltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 287-295.

Vaquero, M., Alonso-Fernández, E.S., Allué, E., Bischoff, J.L., Burjachs, F., Vallverdú, J., 2014. Cinglera del Capelló site (Capellades, Barcelona). In: Sala Ramos, R. (ed.): Carbonell, E.; Bermúdez-de Castro, J.M.; Arsuaga, J.L. (coords.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos – Fundación Atapuerca. Burgos: 238-246.

Vaquero, M.; Alonso, E.S., 2014. El Molí del Salt. In: Sala Ramos, R. (ed.): Carbonell, E.; Bermúdez de Castro, J.M.; Arsuaga, J.L. (coords.):

Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record (English and Spanish paper and eBook versions). Universidad de Burgos – Fundación Atapuerca. Burgos: 295-302.

Vergès, J. M. & Ollé, A., 2014. La Cansaladeta. In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 232-236.

Vergès, J.M., Rodríguez, X.P., 2014. Els Vinyets (El Catllar, Tarragona). In: Sala Ramos, R. (ed.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 284-286.

Viñas, R., 2014. Arte postpleistoceno del levante Ibérico. Arte Rupestre Levantino: El testimonio gráfico de los últimos cazadores-recolectores de Europa Occidental. In: Sala, R., Carbonell, E., Bermúdez, J.M., Arsuaga, J.L. (coord.): *Pleistocene and Holocene Hunter-Gatherers in Iberia and The Gibraltar Strait: The current archaeological record* (English and Spanish paper and eBook versions). Universidad de Burgos - Fundación Atapuerca. Burgos: 681-695.

Books

Aparicio, J., Subirà, M.E., Gómez-Merino, G., Lorenzo, C., Lozano, M. & Herrero Ortell, M. (2014) *Los Neandertales de la Cova Foradà de Oliva (Estado actual de la Investigación)*. RACV Digital. Real Acadèmia de Cultura Valenciana, València.

Cura, S, J. Cerezer, M. Gurova, B. Santander, L. Oosterbeek & J. Cristovão (Eds.). (2014) *Technology and Experimentation in Archaeology. Proceedings of sessions the XVI World Congress of UISPP. Florianópolis, Brasil*. BAR International Series 2657. Oxford.

De la Rasilla, M. Rosas, A, Cañaveras, J.C., Lalueza, C., Santamaría, D, Sánchez-Moral, S., Estalrich, A. Garcia-Taberner, A, Huguet, R., Silva, P., Santos-Delgado, G. 2014, Catalogo de la exposición Los trece del Sidrón. Principado de Asturias.

Sala, R., Carbonell, E., Parés, J.M., Pérez, A., Gómez, G., Mestre, J. & Lorenzo, C. (2014) El inventario de los yacimientos paleolíticos en la región litoral de Argelia

occidental: implicación en el desarrollo socio-económico, puesta en valor y socialización del conocimiento. Mohamed Rahene: Argel.

Valderrama, L, B. Santander (Coord.). (2014) *Socializar Conocimientos II. Observando a Chile desde la Distancia*. Editorial REDInche. Santiago.

Referee of scientific articles, scholarships or reseach projects

Referee of scientific articles with impact factor

African Journal of History and Culture.

1 article reviewed

American Journal of Physical Anthropology.

3 articles reviewed

American Journal of Primatology.

1 article reviewed

Archaeological and Anthropological Sciences.

1 article reviewed

CATENA.

1 article reviewed

Chungara. Revista de Antropología Chilena.

1 article reviewed

Geobios.

1 article reviewed

International Journal of Osteoarchaeology.

1 article reviewed

Journal of Archaeological Science.

13 paper reviewed

Journal of Archaeological Science Reports.

1 article reviewed

Journal of Comparative Psychology.

1 article reviewed

Journal of Human Evolution.

4 articles reviewed

Journal of Quaternary Science.

2 articles reviewed

Micron.

2 articles reviewed

Palaeontologia Electronica.

1 article reviewed

Paleoanthropology Journal.
1 article reviewed

Physical Review E.
1 article reviewed

PLOS ONE.
16 articles reviewed

Quaternaire.
1 article reviewed

Quaternary International.
15 articles reviewed

Quaternary Science Reviews.
4 articles reviewed

Revista Mexicana de Ciencias Geológicas.
1 article reviewed

Royal Society Science.
1 article reviewed

Scientometrics.
2 articles reviewed

Special volume Springer.
1 article reviewed

Zoological Studies.
1 article reviewed

Referee of scientific articles without impact factor

Actas de la IV Reunión Científica de Arqueomalacología de la Península Ibérica.
1 article reviewed

Archaeofauna. International Journal of Archaeozoology.
1 article reviewed

Edited book by Presses universitaires de Provence.
1 book chapter

Geogaceta.
1 article reviewed

Journal of Scientific Research and Reports.

1 article reviewed

Munibe.

1 article reviewed

Revista chilena de Antropología.

8 articles reviewed

Relaciones de la Sociedad Argentina de Antropología.

1 article reviewed

Boletín de la Sociedad Chilena de Arqueología.

1 article reviewed

Referee of scholarships

AGUAR, Ajuts de col·laboració per estudiants de master, course 2014-15. 2 scholarships.

Evaluator: Carlos Lorenzo

Eramus Mundus International Master scholarships, course 2014-15. 5 scholarships.

Evaluator: Carlos Lorenzo.

Erasmus Mundus International Doctorate Scholarship, course 2014-15. 5 scholarships.

Evaluator: Carlos Lorenzo.

European Research Council. IEF-Marie Curie Actions

Evaluator: J. Fernández-López de Pablo

Fundació Catalunya-La Pedrera 2014, course 2014-15. 1 scholarship.

Evaluator: Carlos Lorenzo.

Leakey Foundation (USA). 2 scholarships.

Evaluators: Carlos Lorenzo, F. Rivals.

National Geographic Society. 1 scholarship

Evaluator: R. Blasco

SDE/GWIS National Fellowships Program (USA). 1 scholarship

Evaluator: F. Rivals.

URV, Beques per estudiants internacionals de màster, course 2014-15. 1 scholarship.

Evaluator: Carlos Lorenzo

Referee of research projects

Agence Nationale de la Recherche (France)

Evaluator: Florent Rivals.

ANEP - Agencia Nacional de Evaluación y Prospectiva (Espanya)

Evaluator: Sergi Lozano

ANPCyT - Agencia Nacional de Promoción Científica y Tecnológica (Argentina)

Evaluator: Sergi Lozano

Committee for Research

Evaluator: Bienvenido Martínez-Navarro

COST Open Call for Trans-Domain Proposals (Unió Europea)

Evaluator: Sergi Lozano

Deutsche Forschungsgemeinschaft (German Research Foundation)

Evaluator: Florent Rivals.

Jóvenes Investigadores - Área Cs. Humanas – FONCyT (Argentina)

Evaluator: Boris Santander

Field research & archaeological excavations directed by IPHES



Catalonia

Abric Romaní

Location: Capellades (Igualada)

Chronology: Upper Pleistocene

Director: E. Carbonell

Research report: Memòria d'excavació de l'Abric Romaní. Campanya del 2014.

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya.

Abric I del barranc de Fontscaldes

Location: Cornudella de Montsant

Chronology: Upper Pleistocene - Holocene

Director: R. Viñas

Research report: Informe de la intervenció arqueològica a l'Abric I del barranc de Fontscaldes (Cornudella de Montsant, Priorat, Tarragona).

Institution that has been sent the annual report: Departament de Cultura, Generalitat de Catalunya.

Barranc de la Boella

Location: La Canonja (Tarragonès)

Chronology: Early - Middle Pleistocene

Directors: J. Vallverdú, P. Saladié

Research report: Informe de la campanya de l'excavació arqueològica al Barranc de la Boella, campanya 2014.

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya.

Camp dels Ninots

Location: Caldes de Malavella (La Selva)

Chronology: Pleistocene

Directors: J. Agustí, B. Gómez, G. Campeny

Research report: Memòria d'excavació del Camp dels Ninots. Campanya de 2013.

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya.

Cova de les Borres

Location: La Febró

Chronology: Upper Pleistocene

Directors: M. Soto, J. Vallverdú

Research report: Informe d'excavació de la Cova de les Borres. Campanya del 2014.

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya.

Cova dels Xaragalls

Location: Vimbodí i Poblet, Tarragona

Chronology: Early Pleistocene-Upper Pleistocene-Holocene

Director: J. Vallverdú

Research report: Informe preliminar Xaragalls

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya

Molí del Salt

Location: Vimbodí i Poblet (Conca de Barberà)

Chronology: Upper Pleistocene

Director: M. Vaquero

Research report: Memòria d'excavació del Molí del Salt. Campanya del 2013.

Institution that has been sent the annual report: Departament de Cultura de la Generalitat de Catalunya.

Sondatge per a estudis paleoambientals Paleollacuna de la Vall d'en Bas

Location: Les Preses (Girona)

Chronology: Holocene

Directors: J. Revelles, F. Burjachs, M. Saña

Spain

Casa Corona

Location: Villena (Alacant)

Chronology: Early Mesolithic, Late Mesolithic, Chalcolithic

Director: J. Fernández López de Pablo

Research report: In progress

Cova Eirós

Location: Triacastela (Lugo)

Chronology: Upper Pleistocene
Directors: X. P. Rodríguez, A. de Lombera-Hermida
Research report: Memoria de excavación de Cova Eirós. Campaña del 2014.
Institution that has been sent the annual report: Xunta de Galicia

Cueva de Santa Ana
Location: Cáceres (Extremadura)
Chronology: Early - Middle Pleistocene
Directors: E. Carbonell, A. Canals
Research report: Memoria de excavación de la Cueva de Santa Ana. Campaña del 2014.
Institution that has been sent the annual report: Junta de Extremadura

El Conejar
Location: Cáceres (Extremadura)
Chronology: Holocene
Director: A. Canals

El Millar
Location: Cáceres (Extremadura)
Chronology: Upper Pleistocene
Directors: E. Carbonell, A. Canals
Research report: Memoria de excavación de la Cueva de Santa Ana. Campaña del 2014.
Institution that has been sent the annual report: Junta de Extremadura

Orce: Barranco León, Fuente Nueva 3 and Venta Micena.
Location: Orce (Granada)
Chronology: Early Pleistocene
Directors: R. Sala, B. Martínez-Navarro
Research report: Memoria de excavación de Orce. Campaña del 2014.
Institution that has been sent the annual report: Consejería de Educación, Cultura y Deporte. Junta de Andalucía.

Paleollacuna de Villena
Location: Villena (Alacant)
Chronology: Late Glacial - Middle Holocene
Directors: J. Fernández López de Pablo, F. Burjachs, S. Jones
Research report: Informe Preliminar de los Sondeos Palinológicos Realizados en la Laguna de Villena.
Institution that has been sent the annual report: Direcció General de Patrimoni de la Generalitat Valenciana

Quibas
Location: Abanilla (Murcia)
Chronology: Early Pleistocene
Directors: J. Agustí, P. Piñero

Research report: Informe de la actuación paleontológica en el yacimiento de Quibas (2014)

Institution that has been sent the annual report: Consejería de Educación, Cultura y Universidades. Comunidad Autónoma de la Región de Murcia

Registre i estudi de les pintures paleolítiques de la Cueva de la Fuente del Trucho

Location: Asque, Colungo (Osca)

Chronology: Upper Pleistocene - Holocene

Directors: R. Viñas, V. Baldellou

Sierra de Atapuerca: Sima del Elefante, Galería, Gran Dolina, Cueva del Mirador

Location: Ibeas de Juarros, Atapuerca (Burgos)

Chronology: Pleistocene to Holocene

Directors: J.L. Arsuaga, J.M. Bermúdez de Castro, E. Carbonell

Research report: Memoria de excavación de los yacimientos de la Sierra de Atapuerca. Campaña de 2014.

Institution that has been sent the annual report: Junta de Castilla y León

International

Ain Ben Metnar

Location: Ain Beni Methar (Morocco)

Chronology: Pleistocene and Holocene

Directors: R. Sala, M. G. Chacón

Barranca del Muerto (Oaxaca, México)

Location: Santiago Chazumba

Chronology: Upper Pleistocene

Directors: R. Viñas, J. Arroyo

Research report: Informe d'excavació de Barranca del Muerto. Campaña del 2013.

Institution that has been sent the annual report: Consejo de Arqueología del Instituto Nacional de Antropología e Historia de México.

Engel Ela-Ramund Basin

Location: Eritrea (Ethiopia)

Chronology: Plio - Pleistocene

Directors: B. Martínez-Navarro, E. Carbonell, T. Medin

Research report: Memòria d'excavació de l'Engel Ela-Ramund Basin. Campaña del 2014.

Institution that has been sent the annual report: Museo Nacional de Eritrea, Asmara.

Kaldar

Location: Khorramabad (Iran)

Chronology: Upper Pleistocene-Holocene

Director: B. Bazgir

Research report: Kaldar Cave, report of the 2014 archaeological excavation.

Institution that has been sent the annual report: Research Institute of Cultural Heritage and Tourism

Oued Sarrat

Location: Tejeruine-El Kef (Tunisia)

Chronology: Middle-Upper Pleistocene

Directors: N. Karoui-Yaakoub, B. Martínez-Navarro

Research report: Memòria d'excavació de Oued Sarrat Basin. Campanya del 2014.

Institution that has been sent the annual report: Facultat de Ciències de Bizerte, Universitat de Cartago (Tunisia).

Vallone Inferno

Location: Scillato (Palermo, Sicily)

Chronology: Upper Pleistocene - Holocene

Direction: V. Forgia, J.M. Vergès, A. Ollé.

Research report: Scavo archeologico al Vallone Inferno (PA). 2014.

Institution that has been sent the annual report: Beni Culturali Regione Siciliana.

Vanguard Cave

Location: Gibraltar

Chronology: Upper Pleistocene

Directors: R. Blasco, J. Rosell

Archaeological excavations participated by the staff of IPHES



Cova Eirós (Galicia) / IPHES

Catalonia

Balma de la Griera

Location: Calafell (Tarragona)

Chronology: Upper Pleistocene

Directors: A. Cebrià, J. Nadal

Cau del Roure

Location: Serinyà (Pla de l'Estany, Girona)

Chronology: Upper Pleistocene

Director: J. Marotó

Cova Foradada

Location: Calafell (Tarragona)

Chronology: Upper Pleistocene

Directors: A. Cebrià, M. Pedro

Cova de la Guineu
Location: Font-Rubí (Vilafranca del Penedès)
Chronology: Upper Pleistocene
Directors: A. Cebrià, X. Oms

Spain

Arte rupestre paleolítico de Cova Eiròs (Evolución del poblamiento cuaternario en las comarcas orientales de Galicia)

Location: Triacastela (Galicia)
Chronology: Upper Pleistocene to Holocene
Director: R. Fábregas

Cova del Bolomor
Location: Tavernes de la Valldigna (València)
Chronology: Middle Pleistocene
Director: J. Fernández-Peris

Des-cubierta
Location: Pinilla del Valle (Madrid)
Chronology: Upper Pleistocene
Directors: J.L. Arsuaga, E. Baquedano

International

Azokh Cave
Location: Azokh (Nagorno-Karabakh)
Chronology: Middle-Upper Pleistocene
Directors: T. King, Blandford Town Museum (England)

Dmanisi
Location: Dmanisi (Georgia)
Chronology: Early Pleistocene
Director: David Lordkipanidze

La grotte de Cussac
Location: Le Buisson de Cadouin (Dordogne, France)
Chronology : Upper Pleistocene
Director: J. Jaubert (Université Bordeaux)
Research report: N. Goutas & L. López-Polín, 2014 : Les artefacts en bois de renne du secteur amont: Prélèvement, échantillonnage et traitement. (Opération de terrain 2014), in J.Jaubert (ed.) : Grotte de Cussac (Le Buisson de Cadouin, Dordogne), Rapport de Project collective de Recherche thématique avec relevé d'art rupestre triennale 2013-2015. (PCR) de 1/0713.
Institution that has been sent the annual report: Service régional de l'archéologie (SRA) d'Aquitaine

Gona

Location: Regió Afar (Ethiopia)

Chronology: Early Pleistocene

Director: S. Semaw

Tighenif

Location: Argèlia

Chronology: Early-Middle Pleistocene

Director: Mohamed Sahouni

Congresses, workshops & seminars

Spain

“El Foc i la Prehistòria: una visió des de la Gearqueologia”

Venue: Facultat de Geografia i Història, Universitat de Barcelona, Barcelona

Date: April 2014

Authors: Blasco, R.

Oral presentation: *“El significado de los huesos quemados: implicaciones comportamentales en los yacimientos pleistocenos”*.

“Encuentro de Jóvenes Investigadores en Paleontología”

Location: Cercedilla (Madrid)

Date: 15-18 April 2015

Authors: Piñero, P., Agustí, J., Furió, M., Blain, H.A.

Oral presentation: *“Los roedores del Pleistoceno inferior del yacimiento de Quibas (Murcia): Implicaciones biocronológicas y paleoambientales”*

“Humanitats i ORCID”. Les Ciències Socials i les Humanitats coneixen a ORCID; Cap a una col·laboració fructífera. CREA-UB i Impact-EV (EU FP7/2014-2017 nº 613202”

Venue: Universitat de Barcelona, Barcelona,

Date: 15/05/2014

Author: Pastó, I.

Oral presentation: *“La experiencia del IPHES como centro del Area de Humanidades en el contexto de ORCID”*.

“II Jornades de la Societat d’ Història Natural del Ports”

Location: Vilafranca (Castelló).

Date: May 2014

Authors: Viñas R., Morote, G.

Oral presentation: *“Investigacions de l’Art Rupestre de Valltorta-Gasulla”*.

“IV Jornades del Bosc de Poblet i Muntanyes de Prades”.

Venue: Palau de l’Abat de Prades (Tarragona)

Date: 14, 15 November 2014

Author: Viñas, R. (presentació per absència, J. M. Vergès)

Oral presentation: *“El barranc del Mas d’en Llord. Difusió i conservació de l’art rup-estre de les Muntanyes de Prades (Montblanc, Tarragona)”*.

Author: Vergès, J.M., Allué E., Burjachs F., Cabanes D., Carrancho, Á., Expósito, I., Martín, P., Morales, J.I., Vallverdú, J., Viñas, R.

Poster: *“L’estudi de la ramaderia prehistòrica a partir de dades experimentals obtingudes en espais ramaders actuals: el cas del corral del Mas del Pepet (Rojals, Montblanc)”*.

“IV Congreso Arqueología Experimental”

Location: Burgos

Date: May 2014

Author: Cáceres, I.

Oral presentation: *Candidature proposal of Iphes for organization of V Congreso Arqueología Experimental in 2017.*

“Jornades d’Arqueologia Balear”

Location: Eivissa

Date: Setembre 2014

Authors: Camarós, E., Cueto, M., Teira, L., Lozano, M., López-Dóriga, I., Sureda, P.

Oral presentation: *“Més enllà del poblat. Resultats preliminars del primer programa de prospeccions arqueològiques de les cavitats de Formentera”*.

“Jornada les arrels premedievals de la cuina catalana. Els orígens de la nostra història gastronòmica”

Venue: Fundació Alicia, Complex Món Sant Benet, Sant Fruitós de Bages.

Date: 3 de novembre 2014

Authors: Burjachs, F., Nadal, J., Revelles, J., Garcia, Ll.

Oral presentation: *“Paleolític”*

Magistral course: *“Evolución humana y Atapuerca, construyendo un paradigma”*.

Venue: Universidad Menéndez Pelayo (Santander)

Date: June 2014

Author: Carbonell, E.

“Primeres Jornades d’Arqueologia dels Pirineus i Aran”

Location: Coll de Nargó

Date: November 2014

Authors: Oms, X., Pedro, M., Morales, J.I., Frigola, J., Mendiola, S., Rodríguez Cintas, A., Serra, J., Yubero, M.

Oral presentation: *“La Cova Colomera 30 anys després. Ocupacions humanes entre 6180-3280 BP al Congost de Mont-rebei (campanyes de 2005-2011)”*.

Authors: Bargalló, A., Morales, J.I., Solé, A., Martín, P., Gabucio, M.J., Burjachs, F.

Oral presentation: *“La Balma de la Massana (Alsamora, Sant Esteve de la Sarga). Intervencions arqueològiques 2008-2010 i resultats preliminars”*.

“Seminari de Recerca Interdisciplinària “Com obtenir finançament per fer recerca? Una experiència europea”

Location: Tarragona, Catalunya,

Date: 17/05/2014

Authors: Pastó, I.

Oral presentation: *“Carrera Investigadora i accions personals: context, experiències i consells pràctics per assolir una beca d’investigació”*.

“Seminari Interdisciplinar Els reptes de l’Arqueologia Litoral”

Venue: Tarragona, ICAC

Date: 24/04/2014

Authors: Fernández López de Pablo, J.

Oral presentation: *“Coastal resource exploitation from the Middle Palaeolithic to the Mesolithic in the Mediterranean basin: State of the art and future directions”*.

“Seminario de Arte Prehistórico, Universidad Valenciana de Verano. Aula de Humanidades y Ciencias. Sección de Prehistoria y Arqueología (SEAP)”

Location: Ares del Maestre (Castelló).

Date: Juliol 2014

Authors: Viñas, R.

Oral presentation: *“Evidencias técnicas y concepción paleolítica en el Arte Levantino”*

Authors: Viñas, R., Morote, G., Rubio, A., Ruiz, J.F.

Oral presentation: *“El proyecto: El arte rupestre del Parque cultural de la Valltorta-Gasulla y zona norte de Castellón: Revisión de Cueva Remigia”*.

“XII Jornades d’Arqueologia de les comarques de Girona”

Location: Besalú (Girona)

Date: 13-14 June 2014

Authors: Gómez de Soler, B., Campeny Vall-Ilosera, G.

Oral presentation: *“El jaciment del Camp dels Ninots (Caldes de Malavella, la Selva). Intervencions en el bienni 2012-2013”*

“XXX Jornadas de Paleontología”

Location: Teruel

Date: 16-18 October 2014

Authors: Ros-Montoya, S., Martínez-Navarro, B., Miller, J.

Oral presentation: *“Paleopatologías como evidencia de selección de presas en el yacimiento del Pleistoceno inferior de Venta Micena (Orce, Granada, España). XXX Jornadas de Paleontología de la Sociedad Española de Paleontología”.*

Authors: Martínez-Navarro, B., Madurell-Malapeira, J., Ros-Montoya, S., Patrocinio Espigares, M.P. Medin, T., Palmqvist, P.

Oral presentation: *“El Epivillafranquiense y la llegada de suidos a Europa. XXX Jornadas de Paleontología de la Sociedad Española de Paleontología”.*

Authors: Sergio Ros-Montoya, S., Martínez Navarro, B., Espigares, M.P., Palmqvist, P. Oral presentation: *“Evolución dental en el género Mammuthus: El registro de las cuencas de Guadix-Baza y Granada. XXX Jornadas de Paleontología de la Sociedad Española de Paleontología”.*

“4a Escola de Primavera de l’ACER”

Location: Tarragona

Date: June 2014

Autors: Cinta S. Bellmunt

Oral presentation: *“Eudald Carbonell: Arqueòleg per vocació, comunicador per militància”*

“Programa de formació científica, tecnològica i matemàtica (CTM)”

Location: Tarragona

Date: January 2014

Autors: Cinta S. Bellmunt

Oral presentation: *“La comunicació social de la ciència”*

International

“4th International Experimental Archaeology Conference (8-11 May), MEH Burgos”

Venue: Museo de Evolución Humana Burgos

Date: 8-11 May 2014

Authors: Bourguignon, L., Barsky, D., Cuartero, F., de Weyer, L., Ivorra, J., Magniez, P., Rios Garaizar, J.

Oral presentation: *“Establishment of an experimental framework for the recognition of technical production and use stigma on basalt”*.

Authors: Pineda, A., Saladié, P., Vergès, J.M., Huguet, R., Cáceres, I., Vallverdú, J.

Oral presentation: *“Trampling vs huellas de corte sobre superficies químicamente alteradas en el yacimiento de el Barranc de la Boella (la Canonja, Tarragona, Spain)”*.

“4th International Palaeontological Congress (IPC)”

Location: Mendoza (Argentina)

Date: 28 September – 3 October 2014

Authors: Rivals, F., Lister, A.M.

Oral presentation: *“Dental wear and dietary evolution of Equidae and Rhinocerotidae during the Quaternary in Western Europe”*

“5th International Maar Conference”

Location: Queretano (México)

Date: 17-21 November 2014

Authors: Oms, O., Bolós, X., Barde-Cabusson, S., Martí, J., Casas, A., Lovera, R., Himi, M., Gómez de Soler, B., Campeny Vall-Ilosera, G., Pedrazzi, D., Agustí, J.

Póster: *Structure of the Pliocene Camp dels Ninots maar-diatreme (Catalan volcanic zone, NE Spain)*.

“12th International Conference of ArchaeoZoology (ICAZ)”

Location: San Rafael (Argentina)

Date: 22-27 September 2014

Organization of the session “Stories written in teeth: New archaeological insights from tooth related studies”. Rivals, F., Camarós, E., Sánchez-Hernández, C.

Authors: Sánchez-Hernández, C., Rivals, F., Semprebon, G.

Oral presentation: *“Detecting seasonality of Neanderthal occupations: why differences in tooth mesowear and microwear results lead to better dietary discrimination”*.

Authors: Blain, H.-A., Agustí, J., Cuenca-Bescós, G.

Oral presentation: *“Reconstructing Quaternary climate and landscape using amphibians and reptiles: the case of the first human settlement in Western Europe”*

Authors: Fernández Díaz-Maroto, P., Saladié, P., Rodríguez Hidalgo, A., Huguet, R., Cáceres, I., Carbonell, E.

Poster: *“Zooarqueología y Tafonomía del subnivel de Pleistoceno Early TD6-3 del yacimiento de Gran Dolina, Sierra de Atapuerca (Burgos)”*.

Authors: Cartajena, I., López P., Santander B., Núñez L., Rivera, B.

Oral presentation: *"The nature of discarding and ritual practices among complex hunters gatherers and early herders in the western slope of the Atacama Puna (ca. 5200-2300 years cal. B.P.)"*.

Authors: Santander, B., López P., Cartajena, I.

Oral presentation: *"Bone tools at the Valley of Mauro, Semiarid North of Chile. Morphological and Functional variability in bone technology under a diachronical perspective"*.

"56th Annual Meeting of the Hugo Obermaier Society"

Location: Brunswick, Germany.

Date: 22-26 April 2014

Authors: Chacón, M.G., Rufà, A., Sánchez C., Arilla, M., Blain, H.-A., Camarós, E., Gómez de Soler, B., Fernández, M., López-García, J.M., Picin, A., Rivals, F., Blasco, R., Rosell, J.

Oral presentation: *"New interdisciplinary data to understand the short-term occupations at Teixoneres cave (Moià, Barcelona, Spain)"*

Authors: Chacón, M.G., Bargalló, A., Alconchel, S., Gómez, B., Soto, M., Romagnoli, F., Vaquero, M.

Oral presentation: *"The importance of limestone in the subsistence activities during the Middle Paleolithic: the levels J, M and O assemblages of the Abric Romaní site (Barcelona, Spain)"*.

Authors: Chacón, M.G., Rufà, A., Sánchez, C., Arilla, M., Blain, H.-A., Camarós, E., Gómez de Soler, B., Fernández, M., López-García, J.M., Picin, A., Rivals, F., Blasco, R., Rosell, J.

Oral presentation: *"New interdisciplinary data to understand the short-term occupations at Teixoneres cave (Moià, Barcelona, Spain)"*.

Authors: Rivals, F., Julien, M.A., Drucker, D., Bocherens, H., Kuitens, M., Thijs van Kolfshoten, Serangeli, J., Conard, N.J.

Oral presentation: *"Exploring horse feeding behavior and accumulation processes at Schöningen 13 II-4: insights from tooth wear and isotopic analyses"*.

"57th Irish Geological Research Meeting"

Location: Galway (Irlanda)

Date: May 2014

Authors: King, T., Allué, E., Andrews, P., Asryan, L., Barham, M., Blain, H.-A., Cáceres, I., Dominguez-Alonso, P., Fernandez-Jalvo, Y., Hixson Andrews, S., Lynch, E., Mardiyani, A., Marin-Monfort, M.D., Moloney, N., Ollé, A., Parfitt, S., Sevilla, P., Van der Made, J., Yepiskoposyan, L., Murray, J.

Poster: *"The Azokh Cave Complex: A Middle Pleistocene to Holocene site in the Lesser Caucasus"*.

“74th Annual Meeting of the Society of Vertebrate Paleontology”

Location: Berlin (Germany)

Date: 5-8 November 2014

Authors: Rivals, F.

Oral presentation: “*Dental wear and dietary evolution of Equidae and Rhinocerotidae during the Quaternary in Western Europe*”.

“Calpe 2014. In the footsteps of the ancestors: a universal heritage of everyone”

Location: Gibraltar

Date: September 2014

Authors: Blasco, R., Rosell, J.

Oral presentation: “*Following the footprints of the birdmen of Gorham’s Cave: a zooarchaeological perspective*”

“Cell Symposium: Evolution of Modern Humans – From Bones to Genomes”

Location: Sitges

Date: March 2014

Authors: Cuenca-Bescós, G., Rofes, J., López-García, J.M., Lozano-Fernández, I., Blain, H.-A., Martínez, I., Ortega, A.I.

Poster: “*Humans and landscape dynamics during the Quaternary in Spain: the small vertebrate proxy*”.

“Cinquième Rencontre Sur la Valorisation et la Préservation du Patrimoine Paléontologique RV3P5”

Location: Oujda (Marruecos)

Date: May 2014

Miembro del Comité científico

Authors: Blain, H.-A., Agustí, J., López-García, J.M., Haddoumi, H., Aouraghe, H., elHamouti, K., Pérez-González, A., Chacón, M.G., Sala, R.

Oral presentation: “*Les amphibiens et les reptiles du Miocène supérieur de Guefait-1 (Province de Jerada, Maroc oriental)*”.

“Colloque Tautavel: Les hominides du Pliocène et du pleistocène inférieur et moyen dans le monde. La place de l’homme de Tautavel, un *homo heidelbergensis*, il y a 450.000 ans.”

Location: Tautavel

Date: June 2014

Author: Carbonell, E.

Oral presentation: *“Les hominidés fossils des sites préhistoriques de la Sierra d’Atapuerca (Sima del Elefante, Gran Dolina TD6, Galeria, Sima de los Huesos), dans le cadre géochronologique et biostratigraphique du Pléistocène”*.

“Cultured Rainforest Exhibition and Seminar”

Venue: Miri Petroleum Museum, Sarawak, Malaysian Borneo

Date: November - December 2014

Authors: Jones, S.

Oral presentation: *“Plants and People-A story from beneath your feet: A 50,000 year environmental & human history from the Kelabit Highlands”*.

“EcoHCC’14 ; 3rd International Conference on Ecohydrology, Soil and Climate Change”

Location: Tomar, Portugal.

Date: 10-12 September 2014

Authors: Ferreira, C., Rosina, P., Burjachs, F., Oosterbeek, L.

Oral presentation: *“Environmental and climate changes during Little Ice Age in Central Portugal”*.

“EGU General Assembly 2014”

Location: Vienna, Austria

Date: 27 April – 02 May 2014

Authors: Schulte, L., Peña, J.C., Burjachs, F., Carvalho, F., Llorca, J., Julià, R., Lomax, J., Schmidt, T., Rubio, P., Losada, J., Veit, H.

Oral presentation: *“Solar forcing and atmospheric control of paleoflood dynamics in the Bernese Alps, Switzerland”*.

Authors: Allué, E., Bennàsar, M., Biltekin, D., Blain, H.-A., Burjachs, F., Expósito, I., Euba, I., Fernández-García, M., López-García, J.M.

Poster: *“Late Pleistocene (MIS 5-3) environmental reconstruction from north-eastern Iberia through microvertebrate and palaeobotanical records”*.

“ESHE 2014”

Location: Florence, Italy

Date: September 2014

Authors: García-Marínez, D., Bastir, M., Estalrich, A., García-Taberner, A., Huguet, R., Cuhna, E., Rosas, A.

Oral presentation: *“Preliminary study of the head-neck complex of Neanderthal ribs from the El Sidrón site (Piloña, Asturias)”*.

“ESHE 4th Annual Meeting (European Society for the Study of Human Evolution)”

Location: Burgos

Date: 1-7 September 2014

Authors: Pablos, A., Lorenzo, C., Martínez, I., Gracia-Téllez, A., Carretero, J.M. & Arsuaga, J.L.

Oral presentation: “*The stout navicular bones from the Middle Pleistocene site of Sima de los Huesos (Atapuerca, Burgos, Spain)*”.

“European Acheuleans: Northern v. Southern Europe: “Hominins, technical behaviour, chronological and environmental contexts”

Venue: Paris, (Museum National d’Histoire Naturelle)

Date: 19-21 November 2014

Authors: Bourguignon, L., Barsky, D., Capdevila, R., Crochet, J.Y., Ivorra, J.

Oral presentation: “*European Acheuleans Northern vs Southern Europe: Hominins, technical behaviour, chronological and environmental contexts*”.

Oral presentation: “*The stone tools from Stratigraphical Unit 4 of the Bois-de-Riquet site (Lézignan-la-Cèbe, Hérault, France): a new milestone in the diversity of the European Acheulian*”.

Authors: Canals, A., Aranda, V., Barrero, N., Bermejo, L., Donadei, P., Campaña, I., Garcia, F.J., Mejías, D., Marín, J., Modestos, M., Morcillo, A., Rabazo, A., Rodríguez-Hidalgo, A., Carbonell, E.

Oral presentation: “*Toward the west: the Acheulean complex of Santa Ana cave, Cáceres (Spain)*”.

Authors: Guardiola, M., Morales, J.I., Vergès, J.M.

Oral presentation: “*From blunt to cutting: distinguishing alternating method flakes in early reduction stages on rounded blanks*”.

Authors: Mosquera, M., Saladié, P., Ollé, A., Cáceres, I., Huguet, R., Esteban, M., Menéndez, L., Vilalta, J., Benàssar, L., Expósito, I., Ros, S., Vergès, J.M., Soto, M., Villalaín, J.J., Carrancho, Á., Carbonell, E. and Vallverdú, J.

Oral presentation: “*Barranc de la Boella (Catalonia, Spain): an Acheulean elephant butchery site at the European late Early Pleistocene*”.

Authors: Ollé, A., Rodríguez, X.P., Mosquera, M., García-Medrano, P., Barsky, D., de Lomberra, A., Carbonell, E.

Oral presentation: “*The European Acheulean from the Atapuerca perspective*”.

Authors: Ollé, A., Rodríguez, X.P., Mosquera, M., García-Medrano, P., Barsky, D., de Lomberra, A., Carbonell, E.

Oral presentation: “*European Acheuleans Northern vs Southern Europe: Hominins, technical behaviour, chronological and environmental contexts*”.

Oral presentation: “*The European Acheulean from the Atapuerca perspective*”.

Authors: Rodríguez-Hidalgo, A.; Saladié, P.; Ollé

Oral presentation: *“Diachronic changes in the late Acheulean: Monospecific to broad faunal spectrums at Atapuerca-Gran Dolina TD10 level”.*

Authors: Blain, H.-A., Santonja, M., Pérez-González, A.

Oral presentation: *“Revision of the amphibians and reptiles from the Acheulean site of Aridos-1 (Madrid, central Spain): paleoclimatic and paleoenvironmental implications during MIS 11”.*

Authors: Lozano-Fernández, I., Agustí, J., Blain, H.-A., Vallverdú, J.



Poster: *“Biochronology of the early middle Pleistocene of La Boella site, based on rodents”.*

“Fragmented Heritage Inaugural meeting”

Location: Bradford (UK)

Date: June 2014

Authors: Ollé, A.

Oral presentation: *“The Sierra de Atapuerca sites (Spain) Lithic refitting, use-wear analysis, and 3D”.*

“International Conference, Great migrations: Settlements of Europe”

Location: Granada

Date: 9-11 December 2014

Author: Rodriguez, X.P.

Oral presentation: *"The First Settlement of Europe"*.

"International Conference of the AEHE (Asociación Española de Historia Económica)

Location: Madrid

Date: September 2014

Authors: Lozano, S.

Oral presentation: *"La difusión del cambio técnico durante la industrialización en España: el caso de las turbinas hidráulicas, 1858-1914"*.

"International School and Conference on Network Science (NetSci '14)"

Location: Berkeley (USA)

Date: June 2014

Authors: Sergi Lozano

Oral presentation: *"Spatial Networks in Archaeology: Challenges of Pre- and Proto-historic Case Studies"*

"International Workshop - Mediterranean Holocene Climate and Human Societies"

Location: Messinia, Greece.

Date: 23-25 April 2014

Authors: Colonese, A.C.; Revelles, J.; Zanchetta, G.; Regattiere, E.; Burjachs, F.; Palomo, A.; Piqué, R.; Terradas, X.

Oral presentation: *"Middle Holocene vegetation change and human activity in Iberian Peninsula: preliminary data from La Draga (Lake Banyoles)"*.

"II Congreso Internacional sobre Educación y Socialización del Patrimonio en el Medio Rural (SOPA2014)"

Location: Celanova, Ourense

Date: 22-27 Setp. 2014

Authors: Rabuñal, J.R., Martínez, F., Lombera, A., Rodríguez, X.P., Fábregas, R.

Oral presentation: *"Algo más que pedras no monte. A socialización do Paleolítico nas comarcas orientais de Galicia"*.

"III Congreso Internacional de Bioética"

Location: Valencia

Date: 2014

Authors: Úbeda, Y., Llorente, M.

Oral presentation: *"Bioética de Primates. Diagnóstico de trastornos mentales como argumento para una regulación ética y jurídica de su uso con fines comerciales y como mascotas"*.

"Marie Skłodowska-Curie ESOF Conference"-Transferable skills

Venue: Copenhagen

Date: 19-20 June 2014

"Middle Palaeolithic in North-West Europe: multidisciplinary approaches"

Location: Namur (Belgium)

Date: March 2014

Authors: Blain, H.-A., López-García, J.M., Cordy, J.-M., Pirson, S., Abrams, G., DiModica, K., Bonjean, D.

Poster: *"New contribution to the study of the small-vertebrate assemblages of Scladina cave (Middle to Late Pleistocene, province of Namur, Belgium)"*.

"Society for American Archaeology 79th Annual Meeting"

Location: Austin, (TX, USA)

Date: April 2014

Authors: Ruiz López, J.F.; Hernanz, A.; Viñas, R. y Rubio, A.

Oral presentation: *"Scientific dating program of post-glacial open-air rock art of Iberian Peninsula, 2004-2014"*

"The African Human Fossil Record"

Location: Toulouse

Date: 26-27 September 2014

Authors: Rook L., Abbate E., Bondioli L., Bruni P., Candilio F., Carnevale G., Coppa A., Delgado M., Frayer D.W., Genchi F., Ghinassi M., Libsekal Y., Macchiarelli R., Martínez-Navarro B., Medin T., Oms O., Papini M., Pavia M., Sagri M., Scarciglia F., Tesfay D. & Zanolli C.

Oral presentation: *"The Homo-bearing late Early Pleistocene site of Mulhuli-Amo, northern Danakil Depression of Eritrea. Geochronological setting, paleoenvironmental reconstruction and paleoanthropological findings"*.

"International Conference, Percussive Technology and Human Evolution"

Venue: University College, London

Date: 18-19 September, 2014

Authors: Barsky, D., Cuartero, F., de Weyer, L., Ivorra, J., Magniez, P., Rios Garaizar, J.

Oral presentation: *"Establishment of an experimental framework for the recognition of technical production and use stigma on basalt"*.

“VI Workshop on Non-Pollen Palynomorphs”

Venue: Tallinn University, Estonia

Date: 16-20 June 2014

Authors: Revelles, J.; Burjachs, F.

Poster: *“Minimum count sums for pollen and non-pollen palynomorphs from an archaeological deposit. The case of a lake dwelling site: La Draga (Girona, Spain)”*.

“VIth International Conference on Mammoths and their Relatives”

Location: Grevena-Siatista (Greece)

Date: 5-12 May 2014

Authors: Florent Rivals, Dick Mol, Frédéric Lacomat, Adrian Lister, Gina Semprebon

Oral presentation: *“Dietary traits and resource partitioning in mammoth (*Mammuthus rumanus* and *Mammuthus meridionalis*) and mastodon (*Anancus arvernensis*) in the Early Pleistocene of Europe”*.

Authors: Gina Semprebon, Florent Rivals, Julia Fahlke, William Sanders, Adrian Lister

Oral presentation: *“The effect of insular dwarfism on dietary niche occupation in mammoths: what were the pygmy mammoths from Santa Rosa Island of California eating?”*

“Wenner-Gren Symposium”

Location: Sintra, Portugal

Date: October 2014

Authors: R. Barkai, A. Gopher, J. Rosell, R. Blasco,

Oral presentation: *“Barbecue at Middle Pliocene Qesem Cave, Israel”*.

“X International Conference: Culture, Climate and Environment Interactions at Prehistoric Wetland Sites”

Venue: University of Bern, Switzerland.

Date: 11-14 June 2014

Authors: Revelles, J.; Antolín, F.; Balbo, A.; Burjachs, F.; Colonese, A.; Manganelli, G.; Palomo, A.; Piqué, R.; Terradas.

Oral presentation: *“Climate, resource management and human impact at the early Neolithic lake dwelling site of La Draga (Banyoles, Girona)”*.

“XI International Ontology Congress”

Location: San Sebastián

Date: October 2014

Author: Carbonell, E.

Oral presentation: "*Multilevel evolutionary emergency*".

"XII Annual Meeting of the European Association of Vertebrate Paleontologists"

Location: Torino (Italy)

Date: June 2014

Authors: Blain, H.-A., López-García, J.M., Cordy, J.-M., Pirson, S., Abrams, G., DiModica, K., Bonjean, D.

Oral presentation: "Amphibians and squamate reptiles from the Middle to Late Pleistocene of Belgium."

Authors: Blain, H.-A., Delfino, M., Agustí, J., Rook, L., Lordkipanidze, D.

Oral presentation: "*Paleoherpetology and human paleoecology: the case of Dmanisi (Early Pleistocene, Georgia)*".

Authors: Blanco, À., Agustí, J., Blain, H.-A., Sala, R., Toro, I.

Oral presentation: "*The ictiofauna from the Early Pleistocene site of Barranco León (Guadix-Baza Basin, SE Spain)*"

"XV Congreso Nacional y XII Iberoamericano de la SEE"

Location: Barcelona

Date: 2014

Authors: Úbeda, Y., Llorente, M.

Oral presentation: "*Evaluación vs. codificación. Valoración de la personalidad en chimpancés de santuario mediante una perspectiva comparada*".

Authors: Laya, D., Llorente, M.

Oral presentation: "¿Cómo varía el comportamiento de los chimpancés con el paso de las estaciones? Cambios en la actividad y los indicadores de bienestar entre dos periodos estacionales".

Attending courses & seminars for H2020 proposals

“Cultural Heritage: Recalibrating Relationships”

Venue: Museum of Graphics. Palazzo Lanfranchi. Pisa, Italia

Date: 04/12/2014 - 05/12/2014

RICHES EU Project: Renewal, Innovation and Change Heritage and European Society

“El nuevo paradigma de publicar: Publicar en abierto. La difusión de los outputs científicos en los próximos 10 años”

Venue: Associació Catalana d'Entitats de Recerca (ACER), Barcelona

Date: 13/11/2014

“Horizon 2020 and its Impact on Science Communication and Policy Making in Europe”

Venue: City2Science, Eurida Research Management, European Association of Science Events (EUSEA) and Wissenschaft im Dialog. Quadriga-Forum, Berlín

Date: 21/01/2014 to 22/01/2014

“Horizon 2020. Com afecta als investigadors i als centres de recerca la nova política d'accés obert del programa Horizon 2020”

Venue: Institució CERCA (Generalitat de Catalunya), Barcelona

Date: 09/10/2014

“Horizon 2020. Jornada sobre el programa transversal “Ciencia con y para la Sociedad”

Venue: Aula Magna, Universitat de Barcelona & Fundación Española para la Ciencia y la Tecnología. Barcelona.

Date: 19/02/2014

“How to Write a Competitive Proposal for H2020 by Hyperion”

Venue: Universitat Rovira i Virgili, Tarragona

Date: 26/11/2014

“Jornada Connect-EU” Formación sobre oportunidades en el Horizonte 2020”

Venue: Connect-EU, ACC10, AGAUR, CERCA. World Trade Center, Barcelona.

Date: 16/01/2014

“Societal Challenge 6. Europe in a Changing World - Inclusive, Innovative and Reflective Societies”

Venue: Universitat Rovira i Virgili, Tarragona

Date: 17/12/2014

“V Workshop en Econosociofísica”

Venue: IPHES and Departament d'Enginyeria Informàtica i Matemàtiques URV

Date: 29-31 January 2014

Short-term cooperation with other research centres



Isabel Cáceres at Gona (Ethiopia) / IPHES

Spain

CENIEH

City: Burgos

Date: June 2014

Purpose: Study of the faunal remains of unit TE9c of the Sima del Elefante site

Museo Arqueológico Regional de Madrid

City: Alcalá de Henares

Date: February 2014

Purpose: Study of the faunal remains of the Pinilla del Valle sites.

International

American Museum of Natural History: Vertebrate Paleontology and Vertebrate Zoology

City: New York

Date: 26 April to 30 June

Purpose: Study of the age at death of current bison populations compared to those recovered from TD10.2

Departamento de Antropología. Universidad de Chile

City: Santiago de Chile

Date: November 2013 – April 2015

Purpose:

-Zooarchaeological analyses on faunal remains from the Tulan-54 site, northern Chile

-Undergraduate lecturer in general archaeology and zooarchaeology

-Drafting of academic articles and papers.

Departamento de Ciencias de la Tierra. Universidad de Torino

City: Torino (Italy)

Date: 2 weeks in February 2014

Purpose: Study of the amphibians and reptiles from Dmanisi (Georgia)

Departamento de Ciencias Humanas. Universidad de Ferrara (Italy)

City: Torino

Date: 1 week in December 2014

Purpose: Study of the amphibians and reptiles from Pirro Nord (Italy)

Musée National d'Archeologie

City: Setif, Algeria

Date: 28 February to 12 March

Purpose: Taphonomic analysis of fossil in the sites of Ain Hanech (Algeria)

Muséum National d'Histoire Naturelle de Paris

City: Paris

Date: 3 weeks in November 2014

Purpose: Selection of lithic pieces from the Payre site for functional analyses.

National Museum of Ethiopia

City: Addis Ababa, Ethiopia

Date: 29 July to 13 August

Purpose: Taphonomic Analysis of fossil to sites of Gona (Afar Region, Ethiopia).

Museum für Naturkunde

City: Berlin (Germany)

Date: 2 weeks in March 2014

Purpose: Osteological study of the genus *Pelophylax*

Participation in the “UISPP: Mundial Congress of Prehistoric and Protohistoric Sciences 2014”

Location: Burgos

Date: 1-7 September 2014

General Secretary: Eudald Carbonell

Scientific Vice Secretary: Robert Sala

Organizer: Fundación Atapuerca



UISPP 2014 – Universidad de Burgos / IPHES

Presentation

From 1 to 7 September, the city of Burgos hosted the 17th World Conference on Prehistory and Protohistory of the International Union of Prehistoric and Protohistoric Sciences (UISPP), an association that brings together thousands of scientists, researchers, and academics involved in these fields all over the world. The congress, organised on this occasion by the Atapuerca Foundation, included 115 scientific sessions addressing topics in prehistory and protohistory, during which 1,653 reports were given by more than 3,032 different authors from five different continents.

In this context, the IPHES participated in the organisation of sixteen sessions which collectively accounted for a total of 265 presentations, of which 32 were posters and the remainder oral presentations, representing more than 16.5% of the total material presented at the congress. Some of this work focused on current research

being conducted by archaeopalaontological teams led by members of this centre, as in the case of Atapuerca and Orce. In general, however, our work was representative of the wide array of topics addressed at the congress, as the researchers that make up the IPHES have made it one of the most widely published centres in its field, in addition to conducting research into all of the Quaternary periods and many other topics of interest. Approximately 40 of the 60 members of the Institute were in attendance, including researchers and technical staff. The latter also played an important role in the organisation of the UISPP and related publications.

Books

Two books were presented during the congress: *Pleistocene and Holocene hunter-gatherers in Iberia and the Gibraltar Strait: the current archaeological record* (Robert Sala Ramos, editor; Eudald Carbonell, José María Bermúdez de Castro and Juan Luis Arsuaga, coordinators), which involved the participation of 367 authors; and *Protohistory of the Iberian Peninsula: from the Neolithic to Romanisation* (Martín Almagro Gorbea, editor), written by a group of 17 authors. These have been published in Spanish and English, as well as via electronic media (in both languages) in EPub and MOBI formats.

The publications (co-published by the University of Burgos and the Atapuerca Foundation) present the current state of Spanish scientific research on prehistory and protohistory. The goal is for international scientists to have access to more information about Spanish prehistory and protohistory. They include updated information about major Spanish sites and deposits, some of which are currently undergoing excavation, and others which were excavated in the past but still provide relevant information. Among these sites, many are either directed, co-directed, or involve the participation of IPHES members, including Gibraltar, Valdavara, Cova Eirós, Monforte de Lemos, Cova de les Llenes, Abric Romaní, La Cansaladeta, La Cativera, Cinglera del Capelló, Barranc de la Boella, Molí del Salt, Vallparadís, Covadeles Teixoneres, Cova del Toll, Casa Corona, Tos-sal de la Font, Orce, Atapuerca, Cueva de Maltravieso, Cueva de Santa Ana, Cueva de El Conejar, Vendimia, El Millar, Roca dels Moros del Cogul, and la Valltorta.

Session organisation

Archaeology of fuels: social and environmental factors in behavioural strategies of multi-resource management
Ethel Allué, Llorenç Picornell, Marie-Agnés Coury

Biochronology, biostratigraphy and paleoecology of the European Quaternary
Cuenca-Bescós, G., López-García J.M., Blain, H.A.

Chronostratigraphic data about the Middle to Upper Palaeolithic cultural change in Western Europe
Vaquero, M.

Paleoanthropological debates on Human Evolution
J Martínez, I., Quam, R.; Lorenzo, C.

Pleistocene Human dispersals: climate, ecology and social behaviour
Lanata, J.L., Martínez-Navarro, B., Lozano, S.

Prehistoric Archaeology of China: Technology, Cognition, Culture and Environment
Yamei Hou, Marcel Otte, Ethel Allué

Recent Trends and Aspects of Use-wear Analysis and their contribution to the Modernization of Archaeology.
Ollé, A., Ibáñez, J.J., Evans, A., Longo, L.

Shepherds and caves.
Vergès, J.M., Allué, E., Fontanals, M.

Technological change during the Lower-Middle Pleistocene transition in Europe.
Carbonell, E., Mosquera, M., Ollé, A., Barsky, D., Rodríguez, X.P., Sala, R.

The Early and Middle Pleistocene succession in the Guadix-Baza Basin (Andalusia, southern Spain): geology, paleontology, archeology. Commission on First humans in Europe
Sala, R., Martínez-Navarro, B., Agustí, J., Barsky, D., Toro-Moyano, I.

The first peopling of Europe
Carbonell, E., Mosquera, M., Ollé, A., Barsky, D., Rodríguez, X.P., Sala, R.

The humankind and the avian world: archaeological and zooarchaeological evidence for inferring behavioural evolutionary signatures
Blasco, R., Peresani, M.

Time for the tide: new perspectives in intertidal resource exploitation during the Paleolithic and Mesolithic in the Mediterranean and Atlantic regions.
Fernández-López de Pablo, J., Cuenca, D., Gutiérrez-Zugasti, I., Colonese, A.

What's happening now in Atapuerca
Rosell, J., Benito, A., Rodríguez, J.

Sessions



Session Paleolithic Technology and adaptation in Asia / IPHES

Session A2a: The first peopling of Europe

Oral contributions

Authors: Sala, R.; Barsky, D.; Menéndez, L.; Sanchez, L.; Cánovas, I.; Tarrino, A.; Toro, I.

Title: Barranco León and Fuente Nueva 3: at the core of hominin technical innovation in First Europe.

Authors: Bourguignon, L., Crochet, J.Y., Capdevila, R., Ivorra, J., Antoine, P.O., Agustí, J., Barsky, D., Blain, H.A., Boulbes, N., Bruxelles, L., Claude, J., Cochard, D., Filoux, A., Firmat, C., Lozano-Fernández, I., Magniez, P., Pelletier, M., Rios, J., Testu, A., Valensi, P., de Weyer, L.

Title: The Early Pleistocene site of Bois-de-Riquet (Lézignan-la-Cèbe, Hérault, France): stratigraphy, dating, fauna and lithics.

Session A2b: Technological change during the Lower-Middle Pleistocene transition in Europe

Oral contributions

Authors: Carbonell, E.; Barsky, D., Sala, R., Celiberti, V.

Title: Structural continuity and technological change in Lower Pleistocene toolkits.

Authors: Mosquera, M.; Ollé, A.; Saladié, P.; Cáceres, I.; Huguet, R.; Rosas, A.; Villalaín, J.J.; Carrancho, A.; Bournès, D.; Braucher, R.; Vallverdú, J.

Title: The Early Acheulean site of La Boella (Tarragona, Spain).

Authors: Ollé, A.; Vergès, J.M.; Rodríguez, X.P.; Cáceres, I.; Bennàsar, M.; López-García, J.M.; Bañuls-Cardona, S.; Burjachs, F.; Expósito, I.; Falguères, C.; Arnold, L.; Demuro, M.; Voinchet, P.; López-Polín, L.; López-Ortega, E.; Vallverdú, J.

Title: The Middle Pleistocene site of La Cansaladeta (Tarragona, Spain): stratigraphic and archaeological succession.

Session A2c: What's happening now in Atapuerca? Latest research at the Sierra de Atapuerca

Oral contributions

Authors: Benit-Calvo, A., Ortega, A.I., Campaña, I., González, L., López, D., García Luis, M., Pérez-González, A., Bermúdez de Castro, J.M., Carbonell, E.

Title: Palaeogeographical reconstruction of the Pleistocene sites in the Sierra de Atapuerca (Burgos, Spain).

Authors: Bermejo, L., Ortega, A.I., Guérin, R., Benito-Calvo, A., Pérez-González, A., Parés, J.M., Aracil, E., Maruri, U., Pérez, R., Cáceres, I., Huguet, R., Ollé, A., Rosell, J., Saladié, P., Vallverdú, J., Martín, M.A., Bermúdez de Castro, J.M., Carbonell, E.

Title: Electrical Resistivity Tomography (ERT) for identifying Torcas area passages connecting Gran Dolina, Galería Complex and Sima del Elefante sites (Sierra de Atapuerca, Burgos, Spain).

Authors: Vallverdú, J., Carrancho, Á., Villalaín, J.J., Ortega, A.I.

Title: Soil-stratigraphy of the Middle Pleistocene sedimentary units in the Elefante, Galería and Gran Dolina cave entrance deposits (Sierra de Atapuerca, Spain).

Authors: Rodríguez, X.P., de Lombera-Hermida, A., Bargalló, A., Terradillos-Bernal, M., Huguet, R., Vallverdú, J., García-Antón, M.D., Mosquera, M., Ollé, A., Sala, R., Carbonell, E.

Title: The Lower and Middle Pleistocene lithic record of Sima del Elefante (Sierra de Atapuerca, Burgos, Spain).

Authors: Huguet R., Vallverdú J., Rodríguez X.P., Canals A., Terradillos M., Bargalló A., de Lombera-Hermida A., Menéndez L., Modesto-Mata M., van der Made J., Soto M., Blain H.-A., García N., Cuenca-Bescós G., Gómez-Merino G., Pérez R., Bermúdez de Castro J.M., Carbonell E.

Title: Accumulation events at TE9C (Sima del Elefante site, Sierra de Atapuerca, Spain).

Authors: Van der Made, J., Rosell, J., Blasco, R.

Title: The ungulates from Gran Dolina Level TD8 at Atapuerca: Evolution, Biostratigraphy, Biogeography.

Authors: Ollé, A., Saladié, P., Rodríguez, J., Mosquera, M., Rodríguez-Hidalgo, A., de Lombera-Hermida, A., Campaña, I., Vallverdú, J., Pérez-González, A., Blain, H.-A., López-García, J. M., Cuenca-Bescós, G., Expósito, I., Burjachs, F., Van der Made, J., García, N., Cáceres, I., Mateos, A., Rodríguez, X. P., García-Medrano, P., García-Antón, M. D., López, E., Pedergrana, A., Rosell, J., Blasco, R., Falguères, C., Moreno, D., Torres, T., Ortiz, J. E., Ortega, A. I., Benito-Calvo, A., Canals, A., Obregón, R., Bermúdez de Castro, J. M., Carbonell, E.

Title: Tracing environmental and cultural changes throughout the Gran Dolina TD10 Middle Pleistocene sequence (Atapuerca, Burgos, Spain).

Authors: García, N., Feranec, R.S., Saladié, P., Rodríguez-Hidalgo, A., Ollé, A., Carbonell, E., Bermúdez de Castro, J.M.

Title: Isotopic analysis of Middle Pleistocene fauna from Gran Dolina (Sierra de Atapuerca, Spain) and their implications for hominin paleoecology.

Authors: Pedergrana, A., García-Antón, M.D.

Title: The facies Utrillas quartzite variety: from a petrographic characterization to a functional analysis design. The example of Gran Dolina site, TD10 level (Sierra de Atapuerca, Burgos, Spain).

Authors: López-Ortega, E., Bargalló, A., de Lombera-Hermida, A., Mosquera, M., Ollé, A., Rodríguez, X.P.

Title: Quartz and quartzite refits of Gran Dolina site (Sierra de Atapuerca, Burgos). Connecting the lithic artefacts in TD10.1 level.

Authors: Rodríguez-Hidalgo, A., Saladié, P., Ollé, A., Carbonell, E.

Title: Big game hunting behavior at Atapuerca: 400-kyr-old bison bonebed at the Gran Dolina TD10.2 site.

Authors: Poza-Rey, E., Lozano, M., Arsuaga, J.L.

Title: Brain asymmetries and handedness in the specimens from Sima de los Huesos site (Atapuerca, Spain).

Authors: Made, J., Cáceres, I., Ortega, A.I.

Title: The latest *Megaceroides solilhacus* from Europe at Galería, Atapuerca?

Authors: Ortega, A.I., Cáceres, I., García-Medrano, P., Pérez-González, A., Vallverdú, J.; Pérez, R., Benito-Calvo, A., Campaña, I., Ollé, A., Bermejo, L., Expósito, I., Burjachs, F., Marín, J., Santander, B., Bermúdez de Castro, J.M., Carbonell, E.

Title: Galería Complex site (Sierra de Atapuerca, Burgos, Spain): updating the Middle Pleistocene occupations.

Authors: García-Medrano, P., Cáceres, I., Ollé, A., Carbonell, E.

Title: The emergence and development of the Acheulean in Atapuerca: The Galería site (c. 500-250ka).

Posters

Authors: Expósito, I.; Burjachs, F.; Allué, E.

Title: Filling the gaps: the Non Pollen Palynomorphs contribution to the knowledge of Sierra de Atapuerca caves local environment during the Pleistocene.

Authors: Rofes J., Cuenca-Bescós G., Bennásar M., Blain H.A.

Title: First record of *Sorex runtonensis-subaraneus* (Mammalia; Soricidae) group in the Iberian Peninsula.

Authors: Cuenca-Bescós, G., Rosell, J., Morcillo-Amo, Á., Galindo-Pellicena, M.A., Santos, H.

Title: The fossil beavers from the Pleistocene localities of Atapuerca.

Authors: Campaña, I., Pérez, A., Benito, A., Bermúdez de Castro, J.M., Carbonell, E.

Title: Sedimentary analyses and revised sedimentary facies of Gran Dolina site (Sierra de Atapuerca, Burgos).

Authors: López-Polín, L., Bermúdez de Castro, J.M., Carbonell, E.

Title: The preparation and conservation treatments of the Homo antecessor fossils.

Authors: Modesto-Mata, M., Bermúdez de Castro, J.M., Dean, C., Martín-Torres, M., Rodríguez-Hidalgo, A., Marín, J., Canals, A., Vergès, J. M., Lozano, M.

Title: Perikymata numbers and lateral enamel formation times in the incisors of three archaeological modern human populations from Maltravieso Cave (Cáceres) and Mirador Cave (Burgos).

Authors: Terradillos-Bernal, M., Rodríguez, X.P.

Title: Another way to analyze the raw material in Gran Dolina and Galería (Sierra de Atapuerca, Burgos, Spain) from experimental archaeology.

Authors: Terradillos-Bernal, M., Rodríguez, X.P.

Title: A technological analysis of the cutting edge and weight of artefacts. The case of the Lower and Middle Palaeolithic of the Sierra de Atapuerca (Burgos, Spain).

Session A2e: The early and middle Pleistocene succession in the Guadix-Baza Basin (Andalusia, Southern Spain): geology, paleontology and archaeology.

Oral contributions

Authors: Agustí, J., Blain, H.-A., Lozano-Fernández, I., Piñero, P., Oms, O., Furió, M., Blanco, A., López-García, J.M., Sala, R.

Title: Chronological and environmental context of the first hominin dispersal into Western Europe: the case of Barranco León

Authors: Martínez-Navarro, B., Ros-Montoya, S., Espigares, M.P., Madurell, J., Medin, T., Palmqvist, P.

Title: The large mammals assemblages from the Late Villafranchian sites of Orce (Venta Micena, Fuente Nueva-3, and Barranco León): human and faunal dispersals into Europe.

Authors: Palmqvist, P., Ros-Montoya, S., Espigares, M.P., Madurell, J., Figueirido, B., García, J.M., Medin, T., Martínez-Navarro, B.

Title: Paleoecological inferences on the large mammals from the Late Villafranchian site of Venta Micena (Orce, Guadix-Baza Basin): insights on the environmental context of the first human dispersal in Europe.

Authors: Barsky, D., Sala, R., Menéndez, L., Toro, I.

Title: The lithic assemblages from Barranco León and Fuente Nueva 3: a new view of old stones.

Authors: Cánovas, I., Sánchez, L., Tarriño, A., Menéndez, L., Sala, R., Barsky, D., Toro, I.

Title: Raw materials and technological analysis of the Barranco León lithic assemblage, Orce (Andalusia, Spain).

Authors: Espigares, M.P., Palmqvist, P., Ros-Montoya, S., Madurell, J., Medin, T., Martínez-Navarro, B.

Title: Taphonomic analysis of patterns of anthropic and carnivoran activity in the Early Pleistocene sites of Orce.

Authors: Menéndez, L., Canals, A., Sala, R., Guerra, D., Martínez-Navarro, B., Espigares, M.P., Ros-Montoya, S., Barsky, D., Toro, I.

Title: Spatial analysis and its occupational implications at Barranco León and Fuente Nueva 3 (Orce, Andalusia, Spain).

Authors: Gómez-Merino, G., Lorenzo, C., Solé, À., Ros-Montoya, S., Espigares, M.P., Sala, R., Martínez-Navarro, B.

Title: Mammal fossil remains from early Pleistocene sites of Orce (Granada, Spain): preservation and conservation.

Session A2f: Pleistocene human dispersals: climate, ecology and social behavior

Oral contributions

Authors: Medin, T., Martínez-Navarro, B., Rivals, F., Rook, L.

Title: Early pleistocene ecological relations among Omnivorous species and large carnivore taxa

Authors: Martínez-Navarro, B., Madurell-Malapeira, J., Ros-Montoya, S., Espigares, M.P., Medin, T., Palmqvist, P.

Title: Parallellism of immigrant large mammals with oldowan and acheulian cultures into Europe.

Authors: Madurell-Malapeira, J., Alba D.M., Espigares M.P., Vinuesa, V., Martínez-Navarro, B., Moyà-Solà, S.

Title: Were large carnivorans and great climatic shifts limiting factors for hominin dispersals? Evidence of the activity of *Pachycrocuta brevirostris* during the Mid Pleistocene revolution in the Vallparadís Section (Valles-Penedes Basin, Iberian Peninsula).

Authors: Viñas, R., Arroyo, J., Rivera, Irán I., Rodríguez, X.P., Rubio, A., Eudave, I.N., Solís, Ó.

Title: Recent archaeo-paleontological findings from Barranca del Muerto site, Santiago Chazumba, Oaxaca, México.

Authors: Chichkoyan, K.V., Martínez-Navarro, B., Belinchón, M., Lanata, J.L.

Title: Early Homo Sapiens, and the native fauna extinction in the South America southern cone

Posters

Authors: Mtimet M.S., Karoui-Yaakoub N., López-García J.M., Blain H.-A., Agustí J., Amri L., Martínez-Navarro B.

Title: The Early Middle Pleistocene microvertebrate assemblage from Wadi Sarrat (Tunisia).

Session A6b: The management of resources and territories in the Pyrenees from the earliest human occupation to the end of the Protohistory. A behavioral perspective

Oral contributions

Authors: Maroto, J., Ortega, D., Albizuri, S., Allué, E., Raimó, S., Rivals, F.

Title: Les occupations humaines dans la grotte des Ermitons (massif de l'Alta Garrotxa, Pyrénées Méditerranéennes) au long de la Préhistoire

Session A9d: The Human settlement of Western Europe during the last glacial maximum

Posters

Authors: López-García J.M., Bañuls S., Blain H.-A., Lozano-Fernández I., Cuenca-Bescós, G.

Title: The Last Glacial Maximum characterized by the small-mammal assemblages in Southwestern Europe

Session A13: Quality Management of Cultural Heritage: problems and good practices

Oral contributions

Author: Bellmunt, C. S.

Title: Communication strategies observed in Portuguese press to save rock art of Vila Nova de Foz Côa (Portugal).

Session A17a: Recent Trends and Aspects of Use-wear Analysis and their contributing to the Modernization of Archaeology

Oral contributions

Authors: Perdergnana, A., Ollé, A.

Title: Monitoring and interpreting the use-wear formation on experimental quartzite tools.

Authors: Agarwal, N., Ollé, A.

Title: Microwear on experimental granite tools.

Authors: Vergès, J.M., Morales, J.I.

Title: Documenting and analyzing hafting-traces using gigapixel images. A case-study of la Cativera (Tarragone, Spain)

Authors: Pedernana, A., Ollé, A., Asryan, L.

Title: A proposal for the morphological and chemical characterizations of experimental micro-residues on stone tools based on an integrated approach including SEM and Light Microscopy.

Session A17c: Microscopic determination of hafting technology: use-wear and residues

Posters

Authors: Ollé, A., Asryan, L.; Bazgir, B.; Fernández-Marchena, J.L.; Hardy, K.; Buckley, S.; Loza, P.; Marro, M.; Pedernana, A.

Title: Creating a reference collection of hafting adhesives to interpret some 'black spot' residues on lithic artefacts.

Session A18a: Redefining the Postpaleolithic rock art in the world: Groups, diffusion areas, chronology and last methodological contributions

Oral contributions

Authors: Viñas, R., Rubio, A., Ruiz, J. F., Vallverdú, J., Rowe, M., Santos, N.

Title: Chronostratigraphic results of analyzes on rocky supports and crusts of the Serra de la Pietat rock art set (Ulldecona, Tarragona, Spain).

Session A20: The intellectual and spiritual expressions of non-literate peoples

Oral contributions

Authors: Rubio, A., Viñas, R., Quijada, C., Arroyo J., Menéndez, B., Hernanz, A., Iriarte, M., Santos, N.

Title: The Rock Art of Saracachi River Basin: The El Arco and Blanca de la Pulsera caves, Sonora (México).

Posters

Authors: Viñas, R., Rubio, A., Quijada, C., Arroyo J., Santos, N.

Title: A ritual space with paintings and engravings in the La Calera Rock Art set, Sonora (México).

Authors: Menéndez, B., Viñas, R., Benavente, M.E., Terrazas, A., Rubio, A.

Title: The set of el arroyo de Las Flechas Rock Art engravings: Symbolic associations in the Sierra El Álamo, Caborca (Sonora, Mexico).

Session A21a: Neanderthals on their own terms: new perspectives for the study of Middle Palolithic behavior

Oral contributions

Authors: Modolo, M., Rosell, J.

Title: Reconstructing occupational models: bone refits in Level I of Abric Romaní.

Authors: Courty, M.-A., Allué, E., Blasco, R., Francine, D., Girard, M., Hardy, M., Moncel, M.-H., Fernández-Peris, J., Rigaud, J.-Ph.

Title: Long mature carbonaceous material technology viewed in Neanderthal contexts

Authors: Rosell, J., Blasco, R., Rivals, F., Chacón, G., Blain, H.-A., López-García, J.M., Picin, A., Camarós, E., Rufà, A., Sánchez-Hernández, C., Arilla, M., Gómez de Soler, B., Bustos, G.

Title: New interdisciplinary data to understand the short-term occupations at Teixonerres Cave (Moià, Barcelona, Spain).

Authors: Chacón, M., Vaquero, M., Vallverdú, J., Gómez de Soler, B., Marín, J., Picin, A., Romagnoli, F., Solé, A., Allué, E., Bargalló, A., Bartrolí, R., Blain, H.A., Burjachs, F., Cáceres, I., Campeny, G., Expósito, I., Fernández, M., Gabucio, J., López-García, J.M., Rivals, F., Rosell, J., Saladié, P. Carbonell, E.

Title: Some clues to Neanderthal behavior from a high-resolution residential context: level M of Abric Romani (Capellades, Spain)

Authors: Asryan, L., Ollé, A., Moloney, N.

Title: Lithic assemblages of Azokh Cave (Nagorno Karabagh, Lesser Caucasus).

Session A21d: Chronostratigraphic data about the Middle to Upper Palaeolithic cultural change in Western Europe

Oral contributions

Authors: de Lombera, A.; Rodríguez, X.P.; Cunha, P.; Pérez-Alberti; A.; Ameijenda, A.; Grandal, A.; Fábregas, R.

Title: Neanderthals and sapiens in the Finisterrae. State of the art on the Middle to Upper Paleolithic transition in NW Iberia.

Authors: Maroto, J., Arrizabalaga, A., Baena, J., Baquedano, E., Jorda, J., Julia, R., Montes, R., Rasines, P., Vaquero, M.

Title: Chronostratigraphic data about the Middle to Upper Palaeolithic cultural change in Western Europe.

Session A25e: Dynamics of human and cultural dispersals during the Neolithic transition in Europe: Complex Systems and Prehistory

Oral contributions

Authors: Sergi Lozano, Bernabeu, J., Pardo, S., Orozco, T., Garcia, O.

Title: Iberian Neolithic Networks

Session A27c: The long road to the final transition. Regional dynamics in the western Mediterranean between the end of the LGM and the 8.2 event

Oral contributions

Authors: Morales, J.I., Román, D., Cebrià, A., Garcia-Argüelles, P., Nadal, J., Soto, M., Vergès, J.M., Fullola, J.M.

Title: Technical dynamics and technological organization at the end of the Upper Paleolithic of the NE Iberia

Authors: Fernández-López de Pablo, J., Gómez-Puche, M., Ferrer, C.

Title: Early and Middle Holocene open-air occupations in the Upper Vinalopó valley (SE, Spain): chronological framework, subsistence and land use patterns.

Session A28: Prehistoric Archaeology of China: Technology, Cognition, Culture and Environment

Oral contributions

Authors: Allué, E., Asryan, L., Carbonell, E., Hou, Y., de Lombera, A., Mosquera, M., Ollé, A., Picin, A., Rodríguez, X.P., Solé, A., Yang, L., Yue, H.

Title: A Spanish Chinese collaboration project for the study of the Asian Palaeolithic.

Session B2: Biochronology, biostratigraphy and palaeoecology of the European Quaternary (B2PQUE)

Oral contributions

Authors: Agustí, J., Lozano-Fernández, I., Piñero, P., Furió, M.

Title: Pleistocene biostratigraphy of Western Europe based on the Guadix-Baza rodent succession

Authors: Blain H.-A.

Title: Geographical and chronological pattern of the herpetofaunal Pleistocene extinctions in the Iberian Peninsula: a biochronological tool?

Authors: Cuenca-Bescós G., Blain H.-A., López-García J.M., Lozano-Fernández I., Rofes J.

Title: Biostratigraphy of the palaeoanthropological Atapuerca cave sites (Pleistocene, Spain).

Authors: Laplana C., Sevilla P., Blain H.-A., Arriaza M.C., Arsuaga J.L., Baquedano E., Pérez-González, A.

Title: Cold-climate small mammal assemblages in the Late Pleistocene of central Iberia: new data from the Cueva de la Buena Pinta site (Pinilla del Valle, Madrid Region, Spain)

Posters

Authors: Bennàsar, M., Cáceres, I., Cuenca-Bescós, G.

Title: The hominids environment of Sima del Elefante (Sierra de Atapuerca, Spain) through the taphonomy of small mammals.

Authors: Bennàsar, M., Cáceres, I., Cuenca-Bescós, G.

Title: Paleoecological and microenvironmental aspects of TD5 and TD6 Levels from Gran Dolina Site (Early Pleistocene, Sierra de Atapuerca, Burgos, Spain).

Authors: Lozano-Fernández I., Blain H.-A., López-García J.M., Cuenca-Bescós G., Agustí J.

Title: Evolutionary trends as a chronological tool: the case of *Mimomys savini* (Vole) in the Iberian Peninsula during the Early Pleistocene.

Session B5: New approaches to the study of Quartz lithic industries

Oral contributions

Authors: Márquez, B., Mosquera, M., Baquedano, E., Pérez, A., Arsuaga, J.L., Panera, J., Espinosa, J.A., Gómez, J.

Title: Quartz Mousterian technology in Navalmaíllo Rockshelter (Pinilla del Valle, Madrid, Spain). Preliminary results of the technological and use-wear analysis of quartz implements.

Authors: De Lombera, A., Rodríguez, X.P., Fábregas, R.

Title: Two actors, one scenario: the management of quartz and quartzite resources along the Upper Pleistocene sequence of Cova Eirós.

Authors: Ollé, A., Pedernana, A., Martin, S., Fernández-Marchena, J., Borel, A., Aranda, V.

Title: Wear features on quartz, rock crystal and quartzite: a comparative study combining Optical Light and Scanning Electron Microscopy.

Session B8: Hominid-bird interactions in Prehistory. The humankind and the avian world: archaeological and zooarchaeological evidence for inferring behavioural evolutionary signatures

Oral contributions

Authors: Pedernana, A., Blasco, R.

Title: An attempt to characterize lithic use-wear and residues related to the avifaunal resources exploitation

Authors: Rosell, J., Blasco, R., Sánchez Marco, A., Finlayson, S., Finlayson, G., Negro, J.J., Giles Pacheco, F., Rodríguez-Vidal, J., Finlayson, C.

Title: Pigeons and choughs, a usual recourse for the Neanderthals in Gibraltar

Authors: Rufà, A., Blasco, R., Moncel, M.-H., Roger, T.

Title: Who is bringing birds? An approach from the Middle and early Late Pleistocene accumulations from Payre and Abri des Pêcheurs (Ardèche, France)

Posters

Authors: Blasco, R., Fernández Peris, J.

Title: Human consumption of birds at Bolomor Cave (Valencia, Spain, MIS 9-5)

Authors: Rodríguez-Hidalgo, A., Saladié, P., Marín, J., Canals, A.

Title: Bird-bones modifications conducted by iberian lynx: taphonomic analysis of noningested red partridge remains.

Session B10: The interglacial Holsteinian Eldorado and the onset of the Middle Palaeolithic (400-300 ka)

Oral contributions

Authors: Lombera-Hermida, A., Ollé, A., Mosquera, M., Rodríguez, X.P., García-Medrano, P., Terradillos, M., Pedernana, A., Rodríguez-Hidalgo, A., Saladié, P., Carbonell, E.

Title: The Mode 2 to Mode 3 transition in Atapuerca. The lithic assemblage of TD10.1 from Gran Dolina site.

Session B13: Mathematical approaches for the study of Human-Fauna interactions in the Pleistocene

Oral contributions

Authors: Sergi Lozano

Title: Exploring paleo food-webs in the European Early and Middle Pleistocene: a network approach

Session B14: An Archaeology of fuels: social and environmental factors in behavioural strategies of multi-resource management

Posters

Authors: Allué, E.

Title: Perspectives for the study of fuel among early Paleolithic Hunter-gatherer? based on Examples from the NE of Iberia

Authors: Chacón, M.G., Aouraghe, H., Allué, E., Amrani, S., Bartrolí, R., Canals, A., El Hammouti, K., El Harradji, A., Expósito, I., Gallet, X., Haddoumi, H., Lebon, M., Sala, R.
Title: The role of two 4,000 cal BP combustion structures at Eastern Morocco: the example of Oued Za hearths (Guéfait, Morocco).

Session B17: Shepherds and caves

Oral contributions

Authors: Euba, I., Allué, E., Burjachs, F.

Title: The use of wood fodder at El Mirador Cave (Atapuerca, Burgos). A study based on anthracology and dendrology.

Authors: Forgia, V., Vergès, J.M., Ollé, A., Di Simone, G.

Title: Pastoral paths and the herding world: the routes of the shepherds from Antiquity to Modern Age across the mountains of Sicily.

Authors: Carrancho, Á., Vergès, J.M., Straus, L., González, M.R., Carretero, J.M.

Title: Applications of archaeomagnetism to the study of burnt anthropogenic cave sediments

Authors: Vergès, J.M., Allué, E., Burjachs, F., Cabanes, D., Carrancho, Á., Expósito, I., Martín, P., Morales, J.I., Vallverdú, J., Viñas, R.

Title: An experimental program for the obtaining of data from herd folds for the study of prehistoric livestock practices: the case of the corral Mas del Pepet (Montblanc, Tarragona).

Posters

Authors: Oms- Arias, X., Marsal, R., Moral, S., Fontanals, M., Vergès, J.M.

Title: Vessels of the shepherds: the Neolithic pottery sequence at El Mirador Cave (Sierra de Atapuerca, Spain) C. 6300 - 4760 Bp

Authors: Allué, E., Euba, I., Rodríguez, A.

Title: Landscapes and plant uses during the Neolithic and Bronze age based on plant macroremains from El Mirador (Atapuerca, Burgos).

Authors: Expósito, I., Cabanes, D., Burjachs, F., Alonso-Eguíluz, M.

Title: El Mirador Cave (Sierra de Atapuerca, Burgos, Spain): the vegetal microremains.

Authors: Vergès, J.M., Allué, E., Carrancho, A., Euba, I., Expósito, I., Fontanals, M., Lozano, M., Marsal, R., Martín, P., Morales, J.I., Oms, X., Rodríguez, A.

Title: El Mirador Cave (Sierra de Atapuerca, Burgos, Spain): a whole prespective.

Authors: Forgia, V., Martín, P., López-García, J.M., Vergès, J.M., Allué, E., Angelucci, D.E., Arnone, M., Blain, H.-A., Burjachs, F., Expósito, I., Messina, A., Picornell, L., Rodríguez, A., Scopelliti, G., Sineo, L., Virruso, G., Alessi, E., Di Simeone, G., Morales, J.I., Pagano, E., Belvedere, O.

Title: Origin and development of pastoralism in the Mediterranean area: the case of Vallone Inferno, Scillato (Palermo), Sicily.

Authors: Vergès, J.M., Morales, J.I.

Title: Polished walls: indirect evidences of use of cavities and stone constructions as livestock-folds.

Authors: Martín, P., Vergès, J.M.

Title: Bone alterations in fumiers: experimental approach and archaeological use.

Authors: Lozano, M., Ceperuelo, D., Morales, J.I., Fontanals, M., Vergès, J.M.

Title: Some outlines about the human remains of El Mirador

Session B18: State of the art of the multidisciplinary research at Middle Pleistocene Qesem Cave, Israel

Oral contributions

Authors: Blasco, R., Rosell, J., Sañudo, P., Gopher, A., Barkai, R.

Title: What happens around a fire: faunal processing sequences and spatial distribution at Qesem Cave (300 kya), Israel

Session B25: Looking at the sky, walking on the earth. Climatic changes and historical evolution in the Mesolithic and Neolithic of Western Europe

Oral contributions

Authors: Jones, S.E., Burjachs, F., Fernández-López de Pablo, J.

Title: Mesolithic to Bronze Age landscape signatures during periods of abrupt climate change: current work from the Upper Vinalopó Valley (SE Spain) lake deposits.

Authors: Cho, S., Iriarte, E., Revelles, J., Burjachs, F., Piqué, R., Palomo, A., Terradas, X., Peña-Chocarro, L.

Title: Palaeoenvironmental and anthropic activity indicators during the Neolithic in the sedimentary record of lake Banyoles (Girona, NE Spain).

Authors: Iriarte, E., Cho, S., Revelles, J., Burjachs, F., Piqué, R., Palomo, A., Terradas, X.; Peña-Chocarro, L.

Title: Palaeoenvironments and site formation processes at the Neolithic lakeside settlement of La Draga, Banyoles, Northeastern Spain.

Authors: Revelles, J., Burjachs, F., Cho, S., Iriarte, E., Palomo, A., Piqué, R., Terradas, X., Peña-Chocarro, L.

Title: Mid-Holocene vegetation history and Neolithic land-use in Lake Banyoles.

Session A26- Southeast Asia: Human Evolution, Dispersals and Adaptation

Oral contributions

Authors: Jones, S., Janowski, M.

Title: The Cultural Antiquity of Rainforests: A 6000 years environmental and archaeological record from the interior highlands of Sarawak, Malaysian Borneo

Session B35: Paleolithic Archaeozoology Advances on hunter-gatherer's subsistence

Oral contributions

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

Title: Carcass consumption and carnivore competition during the Lower Pleistocene at the la Mina site (Barranc de la Boella, Tarragona, Spain).

Authors: Marín, J. Saladié, P.; Rodríguez-Hidalgo, A.

Title: Transport strategies of ungulates carcasses during the middle Paleolithic: the level M of Abric Romani (Capellades, Barcelona).

Authors: Maroto, J., Albizuri, S., Rivals, F., Allue, E., Vaquero, M., Roque, C., Agusti, B., Ruffi, I., Ventura, H.

Title: Archaeozoology in Upper Palaeolithic bone assemblages. A tool for interpreting the Cau del Roure (Serinya, NE Iberian Peninsula).

Session B37: Lithics, Evolution, Science

Oral contributions

Authors: Romagnoli, F., Chacón, M.G., Bargalló, A., Gómez de Soler, B., Picin, A., Vaquero, M.

Title: Lithic analysis and human behaviour during the Middle Palaeolithic. Analysing expediency through refits at Abric Romaní (Capellades, Spain).

Session B38: Advances in the dating of human dispersals, interactions and extinctions in the Palaeolithic

Posters

Authors: Álvarez, C., Parés, J.M., Carrancho, Á., Villalain, J.J., Aouraghe, H., Had-doumi, H., Hammouti, K., El Harradji, A., Sala, R., Chacón, G.M.

Title: Paleomagnetic analyses of the northern margin of Aïn Béni Mathar-Guéfait basin (Eastern Morocco).

Session B39: Paleoanthropological debates on Human Evolution

Oral contributions

Authors: Lozano, M., Bermúdez de Castro, J.M., Arsuaga, J.L., Carbonell, E.

Title: One million years of cultural dental wear at Atapuerca sites.

Authors: Pablos, A., Martínez, I., Lorenzo, C., Gracia-Téllez, A., Carretero, J.M. & Arsuaga, J.L.

Title: The morphology of the foot in the Middle Pleistocene population of Sima de los Huesos

Authors: Gómez-Merino, G., Aparicio, J., Subirà, E., Lozano, M. & Lorenzo, C.

Title: Conservation of a Neandertal maxilla from Cova Foradà (Oliva, València, Spain)

Posters

Authors: Rangel de Lázaro, G., de la Cuétara, J.M., Lorenzo, C., Bruner, E.

Title: Computed tomography, diploic vessels, and human evolution: A preliminary comparison in physical and digital specimens.

Session B40: Cleaning up a messy Mousterian: how to describe and interpret Late Middle Palaeolithic chrono-cultural variability in Atlantic Europe

Oral contributions

Authors: Chacón, M.G., Baena, J., Carrión, E., Torres, C., Rosell, J., Blasco, R., Rivals, F.

Title: Mess at the end. The Late Mousterian in north and northeast Iberia: Cueva del Esquilieu (Cantabria, Spain) and Teixonerres Cave (Barcelona, Spain)

Session B43: Testing social behaviour with novel approaches in the Prehistoric mortuary record of Iberia

Oral contributions

Authors: Camarós, E., Cueto, M., Lorenzo, C., Teira, L., Rivals, F., Darlas, A. & Harvati, K.

Title: Unburied Neanderthals in Iberia? Paleoanthropological, forensic and experimental approach to carnivore modification of hominid inhumations

Session B44: Within ditches and walls. Settlements, fortifications, enclosures, monuments, villages and farms in the third Millenium BCE

Oral contributions

Authors: Gómez, M., Bernabeu, J.

Title: Identifying household clusters at Late Neolithic extensive pit-sites in the central area of the Mediterranean coast of the Iberian Peninsula.

Session B53: The archaeology of early fire use

Oral contributions

Authors: Carrancho, Á., Villalaín, J.J., Vallverdú, J., Carbonell, E.

Title: Mineral magnetism as a tool to study a possible fire at the Late Middle Pleistocene TE19 level of Sima del Elefante site (Sierra de Atapuerca, Burgos).

Session B54: Genetic analysis of modern and ancient samples

Oral contributions

Authors: Meyer, M., Arsuaga, J.L., Martínez, I., García, N., Garcia, A., Bermúdez de Castro, J.M., Carbonell, E., Valdiosera, C., Knapp, M., Road, B., Dabney, J., Qiaomei, F., Aximu-Petri, A., Glocke, I., Gansauge, M.T., Weihmann, A., Nickel, B., Pääbo, S.
Title: A genetic characterization of the fossils from Sima de los Huesos.

Posters

Authors: Lira, J., Alcázar de Velasco, A., Bonmatí, A., Martínez, V., Ortega, A.I., Cuenca Bescós, G., Lorenzo, C., Aramburu, A. & Arsuaga, J.L.
Title: Late Pleistocene *Equus hydruntinus* mitochondrial DNA from Iberian Peninsula: phylogenetic relationships

Session B55: Advances in Archaeological Palimpsest Dissection

Oral contributions

Authors: Sañudo, P., Blasco, R., Fernández Peris, J.

Title: Occupational events in Bolomor Cave (Valencia, Spain): Archeostratigraphic analysis of levels I to XII (100 - 200 kya).

Posters

Authors: Carrancho, Á., Vallverdú, J., Carbonell, E.

Title: Assessing synchronies in Neanderthal occupations from archaeomagnetic analyses. A case study of middle Palaeolithic combustion structures from level O al Abric Romaní rock-shelter (Capellades, Spain).

Session B56: Time for the tide: new perspectives in intertidal resource exploitation during the Paleolithic and Mesolithic in the Mediterranean and Atlantic regions.

Oral contributions

Authors: Fernández-López de Pablo, J., Gabriel, S.

Title: El Collado shell midden and the exploitation patterns of littoral resources during the Mesolithic in Eastern Iberian Peninsula.

Academy

Degrees and Doctoral Programme

The IPHES is involved in all three stages of university studies (bachelor's, master's and doctorate) in collaboration with the Universitat Rovira i Virgili. IPHES researchers in teaching programmes adapted to the European Higher Education Area participate in the following degree courses:

- Bachelor's Degree in History (URV)
- Bachelor's Degree in Anthropology and Human Evolution (URV/UOC)
- Master's Degree in Quaternary Archaeology and Human Evolution (Erasmus Mundus)
- Doctoral Programme in Quaternary and Prehistory (Erasmus Mundus)

Degree in History (URV)

The bachelor's degree in History programme focuses on the twin goals of imparting the necessary knowledge and methods for the professionalization of students in the field of history, while ensuring that they acquire critical knowledge about the human past as a means to explain the present and understand past societies.

Degree in Anthropology and Human Evolution (URV/UOC)

The bachelor's degree in Anthropology and Human Evolution programme is offered jointly by the Universitat Rovira i Virgili (URV) and Universitat Oberta de Catalunya (UOC). The programme is offered in two modalities: virtual or mixed (virtual and in-person classes). The virtual platform allows students to participate in the programme through the virtual campus of the UOC, while the mixed modality combines virtual classes with some in-person classes for subjects taught at the Campus Catalunya of the Universitat Rovira i Virgili.

Master's degree in Quaternary Archaeology and Human Evolution (Erasmus Mundus)

This master's degree programme is based on three main areas: research into human palaeoecology and prehistory, palaeoanthropology, geology and palaeontology of the Quaternary; archaeological intervention in this stage of evolution; and the management, conservation and dissemination of archaeological heritage.

The programme is part of an international group comprising the International Master in Quaternary and Prehistory (IMQP) consortium:

- University of Ferrara (Italy)
- Polytechnic Institute of Tomar (Portugal)
- University of Trás-os-Montes and Alto Douro (Portugal)

- National Museum of Natural History (Paris, France)

Doctoral Program in Quaternary and Prehistory (Erasmus Mundus)

The aim of this 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 scientific principles of their research line.
- To encourage the acquisition of general skills related to individual and group work, management of bibliographic databases, and the production of a doctoral thesis, etc.
- To write a doctoral thesis.

The doctoral programme is governed by an agreement between four university institutions, headed by the University of Ferrara. It aims for doctoral students to study at a minimum of three different institutions under a system of co-supervision, resulting in the award of a multiple degree. The universities participating in the programme are the following:

- University of Ferrara (Italy)
- University of Trás-os-Montes and Alto Douro (Portugal)
- National Museum of Natural History (Paris, France)

Research topics of the doctorate program:

- Lithic technology
- Zooarchaeology and Taphonomy
- Paleoanthropology
- Paleontology
- Geoarchaeology
- Evolution of the human behavior and cognition
- Molecular Archaeology
- Computer applications to Archeology
- Paleoenvironmental restitution
- Prehistoric Art
- Heritage dissemination
- Human Paleoecology
- Tecnologia lítica

Theses

Defensed

Analisis tecnològica dels assentaments neandertals del nivell O de l'Abric Romaní.

PhD student: Amèlia Bargalló

University: Universitat Rovira i Virgili

Department: History and Art History

Date of presentation: 13th of June 2014

Director: Eudald Carbonell

Estudi espaciotemporal d'un palimpsest. Anàlisi zooarqueològica i tafonòmica del Nivell O de l'Abric Romaní (Capellades, Barcelona, Espanya).

PhD student: M^a Joana Gabucio Vilarrasa

University: Universitat Rovira i Virgili

Department: History and Art History

Date of presentation: 23th of October 2014

Director: Isabel Cáceres

Etude de la gestion du bétail à l'aide de la méthode des micro-usures dentaires dans le Midi méditerranéen entre l'Age du Bronze et la période gallo-romaine.

PhD student: Cyrille Rieau

University: Université Paul Valéry (Montpellier, France)

Department: Arts, Lettres, Langues, Sciences Humaines et Sociales

Date of presentation: 20/11/2014

Director: David Lefrèvre i Florent Rivals

Evolución de *Mimomys savini* en la Península Ibérica durante el Pleistoceno inferior; implicaciones biocronológicas y paleoambientales en el estudio de las primeras poblaciones humanas de Europa.

PhD student: Iván Lozano Fernández

University: Universitat Rovira i Virgili

Department: History and Art History

Date of presentation: 4-4-2014

Director: Jordi Agustí

The technological change in the western mediterranean during the MIS 3

PhD student: Andrea Picin

University: Universitat Rovira i Virgili

Departament: History and Art History

Date of presentation: 12-3-2014

Director: Manuel Vaquero

In progress

A study of the stone tool assemblages of Azokh Cave site, Nagorno Karabakh (Lesser Caucasus).

PhD student: Lena Asryan

University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Norah Molone and Andreu Ollé

Aprendizaje social en chimpancés
PhD student: David Riba Cano
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Marina Mosquera and Miquel Llorente

El consum de petites preses durant el Paleolític mitjà: estratègies de subsistència dels homínids. El cas de la Cova de les Teixoneres (Moià, Barcelona).
PhD student: Anna Rufà
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: R. Blasco and Jordi Rosell

Consolidation des restes osseux: application aux matériels des gisements Pléistocènes de Aïn Hanech (Algérie).
PhD student: Souhila Roubach
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: L. López-Polín and Andreu Ollé

Desgast dental de poblacions Mesolítiques i Neolítiques de la Península Ibèrica
PhD student: Jordi Porras
University: Universitat Autònoma de Barcelona
Department: Animal Biology, Plant Biology and Ecology
Expected presentation date: 2017
Director: M. Eulàlia Subirà and Marina Lozano

Digital analysis of the diploic vascular system in Anatomy, Archaeology and Paleoanthropology and its implications in the hominid endocraneal thermoregulation
PhD student: Gizeh Rangel de Lázaro
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: Carlos Lorenzo and Emiliano Bruner

Dinâmicas Ambientais e Humanas durante o Holocénico no Vale do Tejo.
PhD student: Cristiana Ferreira Duarte
Universitat: Universidade de Trás-os-Montes e Alto Douro (Vila Real, Portugal).
Department: Geology
Expected presentation date: 2016
Director: Francesc Burjachs

Early Pleistocene Ecological relations among Omnivorous species: Pigs, Bears, Monkeys and Hominins.

PhD student: Tsegai Medin

Universitat: Universitat Rovira i Virgili

Department: History and Art History

Expected presentation date: December 2015

Director: Bienvenido Martínez-Navarro and Lorenzo Rook

Estrategias de captación y explotación de los recursos animales en el Pleistoceno Medio: Los casos de los niveles TD10-1 y TD10-2 de la Gran Dolina (Sierra de Atapuerca, Burgos).

PhD student Antonio Rodríguez-Hidalgo

University: Universitat Rovira i Virgili

Department: History and Art History

Expected presentation date: June 2015

Director: Palmira Saladie and Eudald Carbonell

Estudio de las manifestaciones rupestres del Noroeste de México: Antropología y Simbolismo

PhD student: Beatriz Menéndez Iglesias

University: Universitat Rovira i Virgili

Department: History and Art History

Expected presentation date: 2015

Director: Ramon Viñas

Estudio del comportamiento Neandertal a través de la interacción homínidos-carnívoros en el Pleistoceno medio final y superior (200.000 - 50.000 BP).

PhD student: Edgard Camarós

University: Universitat Rovira i Virgili

Department: History and Art History

Expected presentation date: 2016

Director: Florent Rivals and Jordi Rosell

Étude des environnements Holocènes des Tassilis n'Ajjer, Apport archéanthracologique

PhD student: Amrani Samira

University: Université d'Alger

Expected presentation date: 2014

Director: Ethel Allué

Evolució de la tecnologia de la fusta durant la prehistòria

PhD student: Alex Solé

University: Universitat Rovira i Virgili

Department: History and Art History

Expected presentation date: 2014

Director: Ethel Allué

Evolución de las paleocomunidades de micromamíferos en el Néogeno superior y Cuaternario del levante español.

PhD student: Pedro Piñero García
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: Jordi Agustí

Gestión de los recursos faunísticos en la cueva de El Mirador (Sierra de Atapuerca, Burgos).

PhD student: Patricia Martin
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Josep Maria Vergès

Initial human dispersal and native fauna at the Southamerican southern cone, Argentina

PhD student: Karina Vanesa Chichkoyan Kayayan
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: December 2016
Director: Bienvenido Martínez-Navarro, José Luis Lanata and Margarita Belinchón

La captación, selección y gestión de recursos líticos en la Prehistoria: Una visión diacrónica del uso del territorio y sus recursos en el entorno de la Sierra de Atapuerca (Burgos) durante el Pleistoceno Inferior y Medio.

PhD student: M^a Dolores García-Antón Trassierra
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: June 2014
Director: Robert Sala and Eudald Carbonell.

La Draga: Socioecología de les primeres comunitats ramaderes i agrícoles del NE de la Península Ibèrica.

PhD student: Jordi Revelles López
University: Universitat Autònoma de Barcelona.
Department: Prehistory
Expected presentation date: 2016
Director: Raquel Piqué and Francesc Burjachs.

La funcionalidad del cristal de roca en la prehistoria. Aproximación multidisciplinar a partir de la experimentación tecnológica, la traceología y los análisis de residuos.

PhD student: Juan Luís Fernández Marchena
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: Andreu Ollé

La Tecnología del Arte Rupestre Levantino: Una vía de investigación hacia su filiación crono-cultural.

PhD student: Neemias Santos da Rosa
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2016
Director: Ramon Viñas

Lithic Assemblages of Prehistoric sites in Khorramabad valley, western Iran. Implications for Understanding the Technological Variability.

PhD Student: Behrouz Bazgir
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2016
Director: Andreu Ollé

Materias primas líticas y aéreas de captación en el Abric Romaní (Capellades, Barcelona) durante el Paleolítico Medio: niveles M, O y P

PhD student: Bruno Gómez de Soler
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2016
Director: Josep Vallverdú and Manuel Vaquero

Microwear and residue analysis of quartzite stone tools from the Pleistocene sites of Gran Dolina-TD10 (Sierra de Atapuerca, Burgos, Spain) and Payre (Ardèche, Rhône Valley, France).

PhD student: Antonella Pederghana
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: Andreu Ollé and Marie-Hélène Moncel

Morfologia radicular de poblacions Calcolítiques i de l'Edat del Bronze.

PhD student: Dolors Ceperuelo
University: Universitat Internacional de Catalunya
Department: Odontology
Expected presentation date: 2015
Director: Montserrat Mercadé and Marina Lozano

Neotafonomia d'ossos del pirineu i la seva aplicació arqueològica

PhD student: Maria Teresa Arilla
Universitat: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2018
Director: Jordi Rosell and Ruth Blasco

Organización y gestión de la tecnología lítica durante el Paleolítico superior final en el noreste peninsular. Dinámicas de reducción, intensidad de uso y patrones de movilidad.

PhD student: Juan Ignacio Morales

University: Universitat Rovira i Virgili
Expected presentation date: 01-04-2012 /31-03-2015
Director: Josep Maria Vergès

Personalidad y psicopatología en la evaluación y mejora del bienestar en chimpancés. Una aproximación interdisciplinar en el Centro de Recuperación de Primates de la Fundación Mona.

PhD student: Yulán Úbeda
University: Universitat de Girona
Expected presentation date: 2016
Director: Miquel Llorente and Carles Rostán

Restauración de restos fósiles pleistocenos.

PhD Student: Lucía López-Polín D'Olhaberriague
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Andreu Ollé

Sistemas deposicionales de los afloramientos silíceos y estrategias de captación de recursos líticos durante el tránsito Pleistoceno-Holoceno en el noreste

PhD student: María Soto Quesada
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Josep Vallverdú

Tafonomía de Mamíferos en la puna de Atacama (Norte de Chile) durante el Formativo Temprano: Los sitios Tulan 54 y Tulan 85.

PhD student: Boris Santander.
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2015
Director: Isabel Cáceres

Taphonomie des gisements plio-plestocenes du Nord d'Afrique.

PhD student: Nadia Kandi
University: Université d'Alger, Algerie
Expected presentation date: 2016
Director: Isabel Cáceres, Mohamed Sahnouni

Taphonomie des gisements du Pleistocene Moyen du Nord d'Afrique

PhD student: Razika Chelli
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2017
Director: Isabel Cáceres

Tecnología cognitiva
PhD student: Carlotta Tavormina
University: Universitat Rovira i Virgili
Department: History and Art History
Expected presentation date: 2016
Director: Marina Mosquera

Master Thesis

Defensed

Analisi tafonomica dei resti paleontologici dell'US 14 della grotta della Ciota Ciara (Paleolitico Medio) Borgosesia, VC, Italia.

Author: Fabio Buccheri

University: Instituto Politécnico de Tomar. Universidade de Trás-os-Montes e Alto Douro.

Scheduled date: September, 2014

Director: Isabel Cáceres and Marta Arzarello

Análisis del bienestar en un grupo de chimpancés (*Pan troglodytes*) en cautividad: un proceso de resocialización y rehabilitación en la Fundación Mona (Girona).

Author: Aida Longán

Universitat: Universidad de Córdoba

Scheduled date: 2014

Director: Miquel Llorente

Arte rupestre levantina un'analisi semiotica degli insiemi di Roca de los Moros, EL Cogul (Lérida) y la Cueva de los Grajos, Cieza (Murcia).

Author: Claudia Iannicelli

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Director: Ramon Viñas

Estrategias de transporte de carcasas de ungulados durante el Paleolítico Medio: el nivel M del Abric Romaní (Capellades, Barcelona).

Author: Juan Marín

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Direction: Palmira Saladié

Estudio de paleodieta a partir del análisis de elementos traza de los restos óseos de una inhumación colectiva de la Edad del Cobre de la Cueva de El Mirador (Sierra de Atapuerca, Burgos, España).

Author: Yesica Prol

University: International Erasmus Mundus Master in Quaternary and Prehistory.

Department: History and Art History

Scheduled date: September 2014

Director: Josep Maria Vergès

Estudio de la producción y distribución de la industria en sílex del nivel P del Abric Romaní.

Author: Maria del Carmen Herranz

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014
Director: Gemma Chacón and Manuel Vaquero

Etude paléontologique des grands mammifères quaternaires d'Oued Sarrat (Nord-Ouest de la Tunisie)

Author: Lamjed Amri

University: Università di Ferrara (Master Erasmus Mundus)

Department: History and Art History

Scheduled date: September 2014

Director: Bienvenido Martínez-Navarro and Narjess Karoui-Yaakoub

Exploitation of natural resources by chimpanzees (*Pan troglodytes*) in a captive naturalistic environment: Evaluation of seasonal changes.

Author: Rocío Cano

University: Hedmark University College

Scheduled date: 2014

Director: Miquel Llorente

Le gisement préhistorique del Pinar de Tarruella (Villena- Alicate). Analyse technotypologique de l'assemblage lithiqu

Author: Kamel Larabi

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Director: Javier Fernández López de Pablo

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

Author: Maite Arilla

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Director: Jordi Rosell and Ruth Blasco

Phytolith analysis of cereals, modern soils and experimental crop processing activities: application to Archaeology

Author: Nafsika Chrysoula Andriopoulou

University: Università di Ferrara

Scheduled date: September 2014

Director: Dan Cabanes and Ethel Allué

Preliminary study on the application of computed tomography for morphological analysis of diploic vascular system in archaeology and paleoanthropology

Author: Gizeh Rangel de Lázaro

University: Universitat Rovira i Virgili

Department: Department of History and Art History

Scheduled date: September 2014

Director: Emiliano Bruner and Carlos Lorenzo

The significance of natural vegetation for the chimpanzees (*Pan troglodytes*) at the Fundació Mona in Girona, Catalonia (Spain).

Author: Marina Saavedra

University: Université Montpellier 2

Department: Faculté des Sciences de Montpellier

Scheduled date: September 2014

Director: Miquel Llorente

The palaeovegetation data based on pollen analysis of coupled sediment–coprolite samples. The pollinic taphonomy from level M (Middle Palaeolithic) of Abric Romani (Capellades, Spain).

Author: Olena Vinogradova

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Director: Francesc Burjachs

Zooarchaeological and taphonomical study of the early Pleistocene site Barranc de la Boella (la Canonja, Tarragona, Spain).

Author: Antonio Pineda

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2014

Director: Palmira Saladié

In progress

Análisis de las alteraciones térmicas postdeposicionales sobre especímenes de aves

Candidate: Sara García Ruíz

University: Universidad de Alcalá (UAH)

Department: Ciencias de la Vida

Scheduled date: September 2015

Director: Ruth Blasco and Ignacio Martínez

Análisis zooarqueológico del los restos faunísticos del Tossal de la Roca

Candidate: Cristina Gomez

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2016

Director: Rosa Huguet

Análisis zooarqueológico del nivel F de Navalmaillo (Pinilla del Valle, Madrid)

Candidate: Abel Monclan

University: Universitat Rovira i Virgili

Department: History and Art History

Scheduled date: September 2016

Director: Rosa Huguet

Análisis zooarqueológica de los restos faunísticos del nivel P del Abric Romaní.
Candidate: Raquel Pérez Tenório
University: Universitat Rovira i Virgili
Department: History and Art History
Scheduled date: September 2016
Director: Palmira Saladié

Enthesis development in hand bones
Candidate: Alexandros Karakostis
University: Universitat Rovira i Virgili
Department: History and Art History
Scheduled date: September 2015
Director: Carlos Lorenzo

Estudio taxonómico y tafonómico de los restos óseos de animales del Pleistoceno superior de Valsequillo, Puebla, México
Candidate: Óscar Ricardo Solís-Torres
University: Universitat Rovira i Virgili
Department: History and Art History
Scheduled date: September 2015
Director: Bienvenido Martínez-Navarro and Joaquín Arroyo Cabrales

Facial analysis of *Homo heidelbergensis* and the phylogenetical position of the Kabwe crania
Candidate: Azahara Salazar Fernandez
University: Universitat Rovira i Virgili
Department: History and Art History
Scheduled date: September 2015
Director: Carlos Lorenzo and Florent Detroit

The Middle to Upper Palaeolithic Transition in the Iberian Peninsula: Agent Based Modelling of demographic behaviours
Candidate: Carolina Cucart
University: Universitat Rovira i Virgili
Department: History and Art History
Scheduled date: September 2015
Director: Javier Fernández López de Pablo and Sergi Lozano.

Outreach

Conferences

Catalonia

Els primers muntanyencs

Who: Eudald Carbonell and Ramon Viñas

Organization: Diputació de Tarragona

Location: Tarragona

Date: 06.02.2014

Les coves La Pintada y El Ratón, Baja California, Mèxic

Who: Ramon Viñas and Albert Rubio

Organization: Consulado de México

Location: Barcelona

Date: 19.02.2014

Empirical Bayesian Methods and Landscape Archaeology. Building probabilistic chronological frameworks using surface data sets

Who: Javier Fernández López de Pablo

Organization: Universitat Autònoma de Barcelona

Location: Bellaterra

Date: 09.03.2014

Paleo-anthropo-archaeological Projects at the Eritrean Danakil Depression.

Who: Tsegai Medin

Organization: IPHES

Location: Tarragona

Date: 14.03.2013

Atapuerca

Who: Eudald Carbonell

Organization: Escola d'adults de Girona

Location: Girona

Date: 17.03.2014

Rock Art of Valltorta-Gasulla, museum and cultural park

Who: Ramon Viñas.

Organization: Museu de la Conca de Barberà

Location: Montblanc, Tarragona

Date: 3.04.2014

El poblament paleolític del Montgrí. Reflexions sobre l'evolució humana.

Who: Eudald Carbonell

Organization: Museu de l'Anxova i sal de l'Escala

Location: Escala
Date: 25.04.2014

L'Art rupestre de les Muntanyes de Prades.
Who: Ramon Viñas.
Organization: Biblioteca Municipal de Sarral, Tarragona
Location: Sarral, Tarragona
Date: 19. 05. 2014

Carrera investigadora i accions personals: context, experiències i consells pràctics per assolir una beca d'investigació
Who: Javier Fernández López de Pablo
Organization: Universitat Rovira i Virgili
Location: Tarragona
Date: 17.05.2014 and 24.05.2014

Estudiar la Prehistòria
Who: Rosa Huguet
Organization: Escola Marta Mata
Location: El Vendrell
Date: 29.05.2014

Què és l'IPHES
Who: Eudald Carbonell
Organization: Rotary Club de Tarragona
Location: Tarragona
Date: 09.06.2014

Els orígens de la parla
Who: Lluís Batista
Organization: Castell de Maldà
Location: Maldà (Lleida)
Date: 19.06.2014

Abric Romaní en l'arqueologia a Catalunya
Who: Eudald Carbonell
Organization: Patronal de St. Quirze del Vallès
Location: Sant Quirze del Vallès
Date: 23.10.2014

La Roca dels Moros del Cogul, 100 anys després de la seva descoberta
Who: Ramon Viñas.
Organization: Museu de les mines de Gavà, Barcelona
Location: Gavà, Barcelona
Data: 23. 10. 2014.

Què ens fa ser humans?
Who: Eudald Carbonell

Organization: Institut Domènech i Montaner
Location: Reus
Venue: 12.11.2014

El barranc del Mas d'en Llord. Difusió i conservació de l'art rupestre de les Muntanyes de Prades

Who: Ramon Viñas (presented by J.M.Verges in the absence of the author).
Organization: Palau de l'Abad.
Location: Poblet (Tarragona).
Date: 14.11.2014.

L'ofici d'Arqueobotànic
Who: Francesc Burjachs
Organization: IES Maria Aurèlia Campmany.
Location: Cornellà de Llobregat, Barcelona.
Date: 19.11.2014

Spain

Los primeros europeos
Who: Eudald Carbonell
Organization: Fundación Repsol
Location: Salamanca
Date: 28.01.2014

L'arqueòleg i el futur
Who: Eudald Carbonell
Organization: Club Diario de Mallorca
Location: Mallorca
Date: 23.04.2014

Atapuerca y la evolución humana
Who: Eudald Carbonell
Organization: Congreso Nacional de la SEHAD
Location: Burgos
Date: 05.06.2014

The Tarragona Smart City Project
Who: Sergi Lozano
Organization: La Granja de San Ildefonso
Location: Segovia (Spain)
Date: 16.07.2014

El cementerio de los elefantes y los homínidos del lago
Who: Bienvenido Martínez-Navarro
Organization: Castillo de Castril
Location: Castril (Granada)

Date: 18.08.2014

El origen del proyecto y el impacto a nivel nacional

Who: Eudald Carbonell

Organization: Asociación San Bernabé de Zaldueño

Location: Zaldueño

Date: 18.10.2014

Del bifaz al digital

Who: Eudald Carbonell

Organization: Foro de la cultura

Location: Burgos

Date: 08.11.2014

International

Reconstructing Quaternary climates of the Iberian Peninsula using fossil amphibians and reptiles

Who: Hugues-Alexandre Blain

Organization: Museum für Naturkunde

Location: Berlin, German

Date: 13.03.2014

Using experiments to answer zooarchaeological questions: some examples applied to Spanish Middle Pleistocene sites" in the Tel-Aviv University (Tel-Aviv, Israel)

Who: R. Blasco and J. Rosell

Organization: Tel-Aviv University

Location: Tel-Aviv, Israel

Date: 20.03.2014

Quand la Terre raconte l'histoire de la Vie: Chasse aux vertébrés sur les berges d'un lac perdu

Who: Bienvenido Martínez

Organization: Cité des Sciences

Location: Tunis (Tunisia)

Date: 16.05.2014

Dental microwear of the *Homo* species from Sierra de Atapuerca sites (Spain).

Who: Marina Lozano

Organization: Research Laboratory for Archaeology & the History of Art, University of Oxford (UK)

Location: Oxford, UK

Date: 21.05.2014

One million years of cultural dental wear: the case of Sierra de Atapuerca sites (Spain).

Who: Marina Lozano

Organization: Research Laboratory for Archaeology & the History of Art, University of Oxford (UK)

Location: Oxford, UK

Date: 22.05.2014

El patrimonio arqueo-paleontológico de Santiago Chazumba, Oaxaca

Who: Ramon Viñas i Joaquin Arroyo.

Organization: Plaza Presidencia.

Location: Santiago Chazumba (México).

Date: 27.11. 2014.

Reconstructing Quaternary climates of the Iberian Peninsula using fossil amphibians and reptiles

Who: Hugues-Alexandre Blain

Organization: Universidad de Ferrara

Location: Ferrara

Date: 04.12.2014

Management of exhibitions

Catalonia

Jordi Sabater Pi. Una vida dedicada a la recerca

Institution or organizer: IPHES-Fundació Lluís Corominas

Location: Banyoles (Girona)

Dates: from 25.01.2014 to 28.02.2014

Touring exhibition

Espai Boella

Institution or organizer: IPHES- Ajuntament de la Canonja

Location: La Canonja (Tarragona)

Dates: from 10.04.2014 to 27.06.2014

Touring exhibition

Europa fa 1 m.a.

Institution or organizer: IPHES- Ajuntament de la Canonja

Location: La Canonja.

Dates: from 16.05.2014 to 27.06.2014

Touring exhibition

Institution or organizer: Ajuntament de L'Espluga de Francolí

Location: L'Espluga de Francolí.

Dates: from 9.07.2014 to 16.12.2014

Touring exhibition

Fa 3,5 m.a. El Camp dels Ninots

Institution or organizer: IPHES- Ajuntament de Caldes de Malavella

Location: Caldes de Malavella.
Dates: from 26 to 30 May 2014/every Sunday of the year
Touring exhibition

Un Espai Sagrat. La Roca dels Moros del Cogul
Institution or organizer: Museu d'Arqueologia de Catalunya/ IPHES
Location: Gavà
Dates: from 09.10.2014 to 30.11.14
Touring exhibition

Evolució paleoambiental i poblament prehistòric a les conques dels rius Francolí,
Gaià, Siurana i rieres del Camp de Tarragona (2001-2014)
Location: Vimbodí i Poblet
Date: 14-15 November 2014
Touring exhibition

Spain

Iberos. Nuestra Civilización antes de Roma
Institution or organizer: Obra Social "la Caixa"
Location: Santander. Date: 05.02.2014
Location: Logroño. Date: 26.03.2014
Touring exhibition

Neolítico. De Nómadas a Sedentarios
Institution or organizer: Obra Social "la Caixa"
Location: Ourense. Date: 06.02.2014
Location: Torrejón de Ardoz. Date: 01.04.2014
Location: Jaén. Date: 28.05.2014
Touring exhibition

Erase una vez...El Habla
Institution or organizer: Obra Social "la Caixa"
Location: Huelva. Date: 21.01.2014
Location: Almería. Date: 21.03.2014
Location: Cuenca. Date: 14.05.2014
Location: Torrevieja. Date: 04.07.2014
Location: Pontevedra. Date: 23.09.2014
Touring exhibition

Los 13 del Sidrón
Location: Oviedo
Date: January 2014
Touring exhibition

Books

Ibáñez, N. *Un tresor dins la muntanya*. 2014. Onada Edicions.

Ibáñez, N. *Un Sant Jordi especial*. 2014. Onada Edicions.

Viñas, R., Morote, G. 2014. *Art rupestre de Valltorta-Gasulla, museu i parc cultural*. Asociación Amigos del Parque Cultural de La Valltorta y su Museo

Viñas, R. 2014. *La Cueva Pintada. Proceso evolutivo de un centro ceremonial, sierra de San Francisco, Baja California Sur, México*. SERP

Science education

Catalonia

Bojos per l'Arqueologia 2014

Institution or organizer: Fundació Catalunya- La Pedrera

Location: Tarragona and Girona

Dates: 18 Saturdays, starting in 2014

Estela project

Institution or organizer: IPHES- Fundació Estela

Location: Tarragona

Dates: 17.01.2014 / 05.11.2014/ 12.11.2014

IPHES a les escoles

Institution or organizer: IPHES

Location: Calella. Dates: 23, 29, 30.01.2014/ 27.10.2014. 17.11.2014

Location: La Canonja. Dates: 3.06.2014

Location: Barcelona. Dates: 28.10.2014 /11.11.2014

Visits to schools IPHES

Institution or organizer: IPHES

Location: Tarragona

Date: 28.01.2014 (INS Berenguer d'Entença)

Date: 09.04.2014 (INS Pons d'Icart)

Joves i Ciència

Institution or organizer: Fundació Catalunya- La Pedrera

Location: Tarragona

Dates: 30.06.2014 to 4.07.2014/ 14.07.2014 to 18.07.2014

Premis extraordinaris de Batxillerat

Institution or organizer: Departament d'Ensenyament Generalitat de Catalunya

Location: Tarragona

Dates: 07.07.2014 to 11.07.2014

IPHES Integra program
Institution or organizer: IPHES
Location: Calella
Dates: 3.11.2014 to 10.11.2014

Campus Científico de Verano
Institution or organizer: URV- FECYT
Location: Tarragona
Dates: 30.06.2014 to 27.07.2014

Campus "EstiURV"
Institution or organizer: URV
Location: Tarragona
Dates: 07.07.2014 to 11.07.2014

Taller teòric i pràctic per a saber si una taca sobre una eina de pedra és de sang
Who: Policarp Hortolà
Organization: Escola Auró
Location: Barcelona
Date: 28.10.2014 & 11.11.2014

Tallers didàctics Camp dels Ninots
Institution or organizer: IPHES- Ajuntament de Caldes de Malavella
Location: Caldes de Malavella
Dates: All Sunday from 2014

Guided tours to Conjunto rupestre del Barranc del Mas d'en Llord
Institution or organizer: IPHES- Ajuntament de Montblanc
Location: Montblanc
Dates: 10.12.2014 to 15.12.2014

Workshop prehistoric art techniques
Institution or organizer: IPHES- Ajuntament de Montblanc
Location: Montblanc
Dates: January 2014

Taller de tècniques d'art prehistòric
Guies Oficina de Turisme de Montblanc.
Organization: CIAR, Centre d'Interpretació de les Muntanyes de Prades.
Location: Montblanc, Tarragona.
Date: January 2014

Spain

Didactic workshop: "La Vida Paleolítica en Cova Eirós"
Institution or organizer: IPHES- Ayuntamiento de Triacastela
Location: Triacastela (Lugo)
Dates: 15.08.2014

Museology

Direction: Museu Comarcal de la Conca de Barberà and museological sections: Centre d'Interpretació de l'art Rupestre de les Muntanyes de Prades, Museu Mares i Molins de la Vila. Montblanc (Catalonia)

Science communication

Mass Media:

Television: TV3 - Televisió de Catalunya (Telenotícies, Quequicom...), Canal 33, 324, TVE, Antena 3, Telecinco, TAC 12, La Sexta (En el aire).

Radio: CatalunyaRàdio, la Xarxa, Radi Intereconomia, Cadena COPE, TarragonaRàdio, RAC 1, Cadena Ser, Onda Cero, Ser Andalucía, Radio Nacional de España, Ser Girona, Radio Granada, etc.

News in national and international newspaper:

The Guardian, Times, La Presse, News Scientist, Huffington Post, El Mundo, Iberoamerica.net, Vilaweb, , Prensa Latina, Ara, Punt Avui, la Vanguardia, el Mundo, Regió 7, Nació digital, Diari de Girona, el Periodico, Diario Público, Tribuna, Més Tarragona, Diari de Tarragona, El Economista, El País, NCYT, ABC, Prensa Libre, Diari de Tarragona, Regió 7, La Mañana, El Norte de Castilla, La Razón, Diario de Burgos, el Faro de Vigo, etc.

Revues: *Sapiens, National Geographic, Lifestyle...*

News agency: ACN, EFE, Europa Press, SINC, Universia...

Press releases: 185 in English, Catalan and Spanish

News published in the Mass Media: 3.500

Strategic alliances and collaborations with the media

- Report about IPHES on different television channels (TVE-1, TV2, TV3)
- Programme “Evoluciona”, TarragonaRàdio, every 15 days from February to May, live from the Institute's offices.
- Serie about IPHES with TAC 12 – in editing stage
- One page about IPHES in the Diari de Tarragona fortnightly
- Blog Sapiens – articles by Eudald Carbonell – Science Dissemination

International

- Project “Welcome to Catalunya” – Videos International Students – Generalitat de Catalunya

Own communication channels: New institucional website: www.iphes.cat

Blogs:

News (in English) <https://iphesnews.wordpress.com/>

Expert Blog (in English) <http://iphes.blogspot.com/>

News in Catalan <http://iphes-noticies.blogspot.com.es/>

News in Spanish <http://iphesnoticias.blogspot.com.es/>

News for Latin America community <http://iphesactualidad.blogspot.com/>

Social networks:

Facebook:

New IPHES page

En reconeixement a la tasca científica del primatòleg Jordi Sabater Pi

Twitter

IPHES @iphes

Total followers: 21,000

Youtube 19.000 reproductions

Internal communication:

Developing communication plans for research groups and projects

Knowledge Transfer & Services

Transfer actions

R+D+I projects

Tarragona Smart Mediterranean City

Category: Scientific assessment

Implicated institutions: Ajuntament de Tarragona, URV, Repsol and AGBAR

Scientific assessment

“Pla director del jaciment arqueològic de la Boella”

Category: Heritization scientific assessment

Partner: Ajuntament de la Canonja

“Pla director del jaciment arqueopaleontològic del Camp dels Ninots”

Category: Heritization scientific assessment

Partner: Ajuntament de Caldes de Malavella

“Proposta de continguts per a la renovació de la museografia del Museu Salvador Vilaseca de Reus”.

Category: Museographic contents scientific assessment

Partner: Ajuntament de Reus

“Socialització del jaciment paleontològic del Camp dels Ninots”.

Category: Contents scientific assessment

Partner: Ajuntament de Caldes de Malavella

“Centre d’Interpretació sobre el termalisme, del pliocè (Camp dels Ninots a l’actualitat (el fenomen balneari))”.

Category: Contents scientific assessment

Partner: Ajuntament de Caldes de Malavella

“Catalunya abans dels humans. Avantprojecte museogràfic del jaciment arqueopaleontològic del Camp dels Ninots”.

Category: Museographic contents scientific assessment

Partner: Departament de Cultura. Generalitat de Catalunya.

“L’Abric Romaní i els Neandertals. Avantprojecte museogràfic del jaciment arqueològic de l’Abric Romaní”.

Category: Museographic contents scientific assessment

Partner: Departament de Cultura. Generalitat de Catalunya.

CENTRES DOCENTS

Facultat d'Enologia	N4
Facultat de Química	N4
Escola Tècnica Superior d'Enginyeria (ETSE)	E4
Escola Tècnica Superior d'Enginyeria Química (ETSEQ)	E4
Facultat de Ciències de l'Educació i Psicologia	W0

DEPARTAMENTS

Departament de Bioquímica i Biotecnologia	N4
Departament de Química Analítica i Química Orgànica	N4
Departament de Química Física i Inorgànica	N4
Departament d'Enginyeria Electrònica, Elèctrica i Automàtica	E4
Departament d'Enginyeria Informàtica i Matemàtiques	E4
Departament d'Enginyeria Mecànica	E4
Departament d'Enginyeria Química	E4
Departament de Pedagogia	N0
Departament de Psicologia	N0

SERVEIS

Servei de Recursos Científics i Tècnics	N2
Serveis Centrals de la URV	S4
Servei de Recursos Educatius	W1
Escola de Postgrau i Doctorat	W1

AULARIS

Facultat de Química i Facultat d'Enologia	N1
Escola Tècnica Superior d'Enginyeria (ETSE)	E1
Escola Tècnica Superior d'Enginyeria Química (ETSEQ)	E1
Facultat de Ciències de l'Educació i Psicologia	NO + W0

LABORATORIS DOCENTS

Facultat de Química i Facultat d'Enologia	N3
Escola Tècnica Superior d'Enginyeria (ETSE)	E3
Escola Tècnica Superior d'Enginyeria Química (ETSEQ)	E3

CRAI

E2

PLANTES PILOT

S1

PAVELLÓ POLIESPORTIU

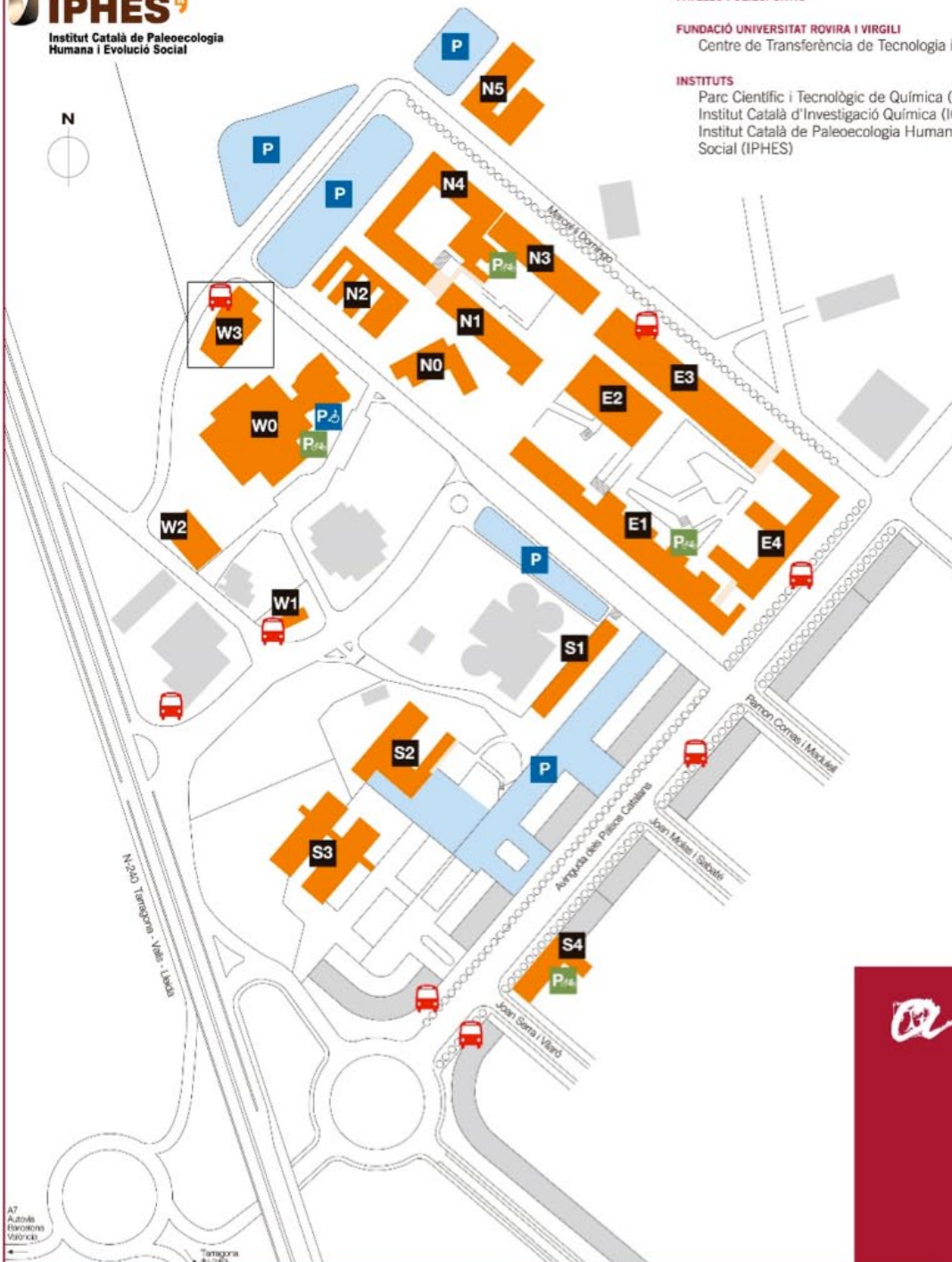
W2

FUNDACIÓ UNIVERSITAT ROVIRA I VIRGILI

Centre de Transferència de Tecnologia i Innovació	S2
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INSTITUTS

Parc Científic i Tecnològic de Química (PCTQ)	N5
Institut Català d'Investigació Química (ICIQ)	S3
Institut Català de Paleoeologia Humana i Evolució Social (IPHES)	W3



 UNIVERSITAT ROVIRA I VIRGILI

Campus de Sescelades