HORIZON 2020

Teaching Emerging Methods in Palaeoproteomics for the European Research Area

Resultados

Información del proyecto

TEMPERA

Identificador del acuerdo de subvención: 722606

Sitio web del proyecto

DOI
10.3030/722606

Proyecto cerrado

Fecha de la firma de la CE
26 Julio 2016

Fecha de inicio
1 Marzo 2017

Fecha de finalización
28 Febrero 2021

Financiado con arreglo a
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Coste total
€ 2 186 974,80

Aportación de la UE
€ 2 186 974,80

Coordinado por
KOBENHAVNS UNIVERSITET
Dinamarca

CORDIS proporciona enlaces a los documentos públicos y las publicaciones de los proyectos de los programas marco HORIZONTE.

Los enlaces a los documentos y las publicaciones de los proyectos del Séptimo Programa Marco, así como los enlaces a algunos tipos de resultados específicos, como conjuntos de datos y «software», se obtienen dinámicamente de OpenAIRE.

Resultado final

Sitios web, solicitudes de patentes, vídeos, etc. (5)

TEMPERA social media accounts

Interaction outside the network, in particular with the broad audience and the press will be also promoted by extensive use of social media. TEMPERA will open its own G+, YouTube, Twitter and Instagram accounts.

e-Book

The ESRs will be asked to contribute to and edit an open access electronic and print-on-demand Book.

TEMPERA conference session

In addition to attending national and international conferences the network plans to arrange its own conference thematic session, as part of the International Symposium of Biomolecular Archaeology, towards the end of the lifetime of the network. This conference will be coordinated with the TEMPERA exhibition with the specific aim to disseminate the network's research findings as widely as possible among specialists and the general public alike.

Ancient Proteins@20 Conference

"During the first two years of their PhD programme, the ESRs will organise the ""Ancient Proteins@20" Conference, entirely dedicated to state of the art ancient proteins research. The conference will take place in Copenhagen in August 2018. The event will be promoted through a dedicated website (https://sites.google.com/palaeome.org/2018-ancient-proteins/home?authuser=0) and worldwide on-line live streaming. It will also be extensively covered on social media, e.g Twitter."

TEMPERA website launch

For many people, the website will provide the first point of contact. Therefore, we plan to run the website throughout (and beyond) the life of the network, containing profiles of all project members, up-to-date descriptions of results, publications and podcasts.

Publicaciones

Capítulos de libros (2)

Identification of binders in Nubian wall paintings using proteomics
Autores: Francesca Galluzzi, Stéphanie Devassine, Fabrice Bray, Christian Rolando and Caroline Tokarski
Publicado en: Medieval Nubian Wall Paintings: Techniques and Conservation, 2019, ISBN 9781909492684
Editor: Archetype Books

Skin, Furs, and Textiles: Mass Spectrometry-based Analysis of Ancient Protein Residues
Autores: Fabiana Di Gianvincenzo, Clara Granzotto, Enrico Cappellini
Publicado en: The Textile Revolution in Bronze Age Europe: Production, Specialisation, Consumption, 2019, Página(s) 304-316, ISBN 9781108493598
Editor: Cambridge University Press
DOI: 10.1017/9781108656405.013

Artículos arbitrados (14)

A versatile and user-friendly approach for the analysis of proteins in ancient and historical objects
Autores: Georgia Ntasi, Daniel P. Kirby, Ilaria Stanzione, Andrea Carpentieri, Patrizia Somma, Paola Cicatiello, Gennaro Marino, Paola Giardina, Leila Birolo
Publicado en: Journal of Proteomics, Edición 231, 2021, Página(s) 104039, ISSN 1874-3919
Editor: Elsevier BV
DOI: 10.1016/j.jprot.2020.104039

The dental proteome of Homo antecessor
Autores: Frido Welker, Jazmín Ramos-Madrigal, Petra Gutenbrunner, Meaghan Mackie, Shivani Tiwary, Rosa Rakownikow Jersie-Christensen, Cristina Chiva, Marc R. Dickinson, Martin Kuhlwilm, Marc de Manuel, Pere Gelabert, María Martinón-Torres, Ann Margvelashvili, Juan Luis Arsuaga, Eudald Carbonell, Tomas Marques-Bonet, Kirsty Penkman, Eduard Sabidó, Jürgen Cox, Jesper V. Olsen, David Lordkipanidze, Ferna
Publicado en: Nature, Edición 580/7802, 2020, Página(s) 235-238, ISSN 0028-0836
Editor: Nature Publishing Group
DOI: 10.1038/s41586-020-2153-8

Mixing, dipping, and fixing: the experimental drawing techniques of Thomas Gainsborough

Autores: Federica Pozzi, Julie Arslanoglu, Francesca Galluzzi, Caroline Tokarski, Reba Snyder
Publicado en: Heritage Science, Edición 8/1, 2020, ISSN 2050-7445
Editor: Springer
DOI: 10.1186/s40494-020-00431-x

Early Pleistocene enamel proteome from Dmanisi resolves Stephanorhinus phylogeny
Autores: Enrico Cappellini, Frido Welker, Luca Pandolfi, Jazmín Ramos-Madrigal, Diana Samodova, Patrick L. Rüther, Anna K. Fotakis, David Lyon, J. Víctor Moreno-Mayar, Maia Bukhsianidze, Rosa Rakownikow Jersie-Christensen, Meaghan Mackie, Aurélien Ginolhac, Reid Ferring, Martha Tappen, Eleftheria Palkopoulou, Marc R. Dickinson, Thomas W. Stafford, Yvonne L. Chan, Anders Götherström, Senthilvel K. S.
Publicado en: Nature, Edición 574/7776, 2019, Página(s) 103-107, ISSN 0028-0836
Editor: Nature Publishing Group
DOI: 10.1038/s41586-019-1555-y

A MULTIDISCIPLINARY ASSESSMENT TO INVESTIGATE A XXII DYNASTY WOODEN COFFIN
Autores: Chiara MELCHIORRE, Laura DELLO IOIO, Georgia NTASI, Leila BIROLO, Giorgio TROJSI , Paola CENNAMO, Maria Rosaria BARONE LUMAGA, Giancarlo FATIGATI, Angela AMORESANO, Andrea CARPENTIERI
Publicado en: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Edición 11, Edición 1, January-March 2020, 2020, Página(s) 25-38, ISSN 2067-533X
Editor: Editura Universitatea Alexendru Ion Cuza

ProAlanase is an Effective Alternative to Trypsin for Proteomics Applications and Disulfide Bond Mapping
Autores: Diana Samodova, Christopher M. Hosfield, Christian N. Cramer, Maria V. Giuli, Enrico Cappellini, Giulia Franciosa, Michael M. Rosenblatt, Christian D. Kelstrup, Jesper V. Olsen
Publicado en: Molecular & Cellular Proteomics, Edición 19/12, 2020, Página(s) 2139-2157, ISSN 1535-9476
Editor: American Society for Biochemistry and Molecular Biology Inc.
DOI: 10.1074/mcp.tir120.002129

Ancient Biomolecules and Evolutionary Inference
Autores: Enrico Cappellini, Ana Prohaska, Fernando Racimo, Frido Welker, Mikkel Winther Pedersen, Morten E. Allentoft, Peter de Barros Damgaard, Petra Gutenbrunner, Julie Dunne, Simon Hammann, Mélanie Roffet-Salque, Melissa Ilardo, J. Víctor Moreno-Mayar, Yucheng Wang, Martin Sikora, Lasse Vinner, Jürgen Cox, Richard P. Evershed, Eske Willerslev
Publicado en: Annual Review of Biochemistry, Edición 87/1, 2018, Página(s)

1029-1060, ISSN 0066-4154
Editor: Annual Reviews, Inc.
DOI: 10.1146/annurev-biochem-062917-012002

Palaeoproteomic Profiling of Conservation Layers on a 14th Century Italian Wall Painting
Autores: Meaghan Mackie, Patrick Rüther, Diana Samodova, Fabiana Di Gianvincenzo, Clara Granzotto, David Lyon, David A. Peggie, Helen Howard, Lynne Harrison, Lars Juhl Jensen, Jesper V. Olsen, Enrico Cappellini
Publicado en: Angewandte Chemie International Edition, Edición 57/25, 2018, Página(s) 7369-7374, ISSN 1433-7851
Editor: John Wiley & Sons Ltd.
DOI: 10.1002/anie.201713020

Minimally Invasive and Portable Method for the Identification of Proteins in Ancient Paintings
Autores: Paola Cicatiello, Georgia Ntasi, Manuela Rossi, Gennaro Marino, Paola Giardina, Leila Birolo
Publicado en: Analytical Chemistry, Edición 90/17, 2018, Página(s) 10128-10133, ISSN 0003-2700
Editor: American Chemical Society
DOI: 10.1021/acs.analchem.8b01718

Evolved Gas Analysis-Mass Spectrometry to Identify the Earliest Organic Binder in Aegean Style Wall Paintings
Autores: Ravit Linn, Ilaria Bonaduce, Georgia Ntasi, Leila Birolo, Assaf Yasur-Landau, Eric H. Cline, Austin Nevin, Anna Lluveras-Tenorio
Publicado en: Angewandte Chemie International Edition, Edición 57/40, 2018, Página(s) 13257-13260, ISSN 1433-7851
Editor: John Wiley & Sons Ltd.
DOI: 10.1002/anie.201806520

Protein aggregation capture on microparticles enables multi-purpose proteomics sample preparation.
Autores: Tanveer Singh Batth, Maxim A.X. Tollenaere, Patrick Leopold Rüther, Alba Gonzalez-Franquesa, Bhargav Saligram Prabhakar, Simon Holst Bekker-Jensen, Atul Shahaji Deshmukh, Jesper V. Olsen
Publicado en: Molecular & Cellular Proteomics, 2018, Página(s) mcp.TIR118.001270, ISSN 1535-9476
Editor: American Society for Biochemistry and Molecular Biology Inc.
DOI: 10.1074/mcp.tir118.001270

Molecular basis of Tousled-Like Kinase 2 activation
Autores: Gulnahar B. Mortuza, Dario Hermida, Anna-Kathrine Pedersen, Sandra Segura-Bayona, Blanca López-Méndez, Pilar Redondo, Patrick Rüther, Irina Pozdnyakova, Ana M. Garrote, Inés G. Muñoz, Marina Villamor-Payà, Cristina

Jauset, Jesper V. Olsen, Travis H. Stracker, Guillermo Montoya
Publicado en: Nature Communications, Edición 9/1, 2018, ISSN 2041-1723
Editor: Nature Publishing Group
DOI: 10.1038/s41467-018-04941-y

High-quality MS/MS spectrum prediction for data-dependent and data-independent acquisition data analysis
Autores: Shivani Tiwary, Roie Levy, Petra Gutenbrunner, Favio Salinas Soto, Krishnan K. Palaniappan, Laura Deming, Marc Berndl, Arthur Brant, Peter Cimermancic, Jürgen Cox
Publicado en: Nature Methods, Edición 16/6, 2019, Página(s) 519-525, ISSN 1548-7091
Editor: Nature Publishing Group
DOI: 10.1038/s41592-019-0427-6

Enamel proteome shows that Gigantopithecus was an early diverging pongine
Autores: Jürgen Cox; Morten E. Allentoft; Tomas Marques-Bonet; Wei Wang; Jesper V. Olsen; Diana Samodova; Petra Gutenbrunner; Enrico Cappellini; Marc de Manuel; Carles Lalueza-Fox; Fabrice Demeter; Frido Welker; Wei Liao; Meaghan Mackie; Anne-Marie Bacon; Matthew Collins; Matthew Collins; Martin Kuhlwilm; Jazmín Ramos-Madrigal
Publicado en: https://hal.archives-ouvertes.fr/hal-03021856, Edición 576, 2019, Página(s) 262–265, ISSN 0028-0836
Editor: Nature Publishing Group
DOI: 10.1038/s41586-019-1728-8

Otro (3)

Early Pleistocene enamel proteome sequences from Dmanisi resolve Stephanorhinus phylogeny
Autores: Enrico Cappellini, Frido Welker, Luca Pandolfi, Jazmin Ramos Madrigal, Anna Fotakis, David Lyon, Victor L Moreno Mayar, Maia Bukhsianidze, Rosa Rakownikow Jersie-Christensen, Meaghan Mackie, Aurelien Ginolhac, Reid Ferring, Martha Tappen, Eleftheria Palkopoulou, Diana Samodova, Patrick L Ruther, Marc R Dickinson, Tom Stafford, Yvonne L Chan, Anders Gotherstrom, Senthivel KSS Nathan, Peter D Heintz
Publicado en: bioRxiv, 2018
Editor: Cold Spring Harbor Laboratory
DOI: 10.1101/407692

A Compact Quadrupole-Orbitrap Mass Spectrometer with FAIMS Interface Improves Proteome Coverage in Short LC Gradients

Autores: Dorte B. Bekker-Jensen, Ana Martínez del Val, Sophia Steigerwald, Patrick Rüther, Kyle Fort, Tabiwang N. Arrey, Alexander Harder, Alexander Makarov, Jesper V. Olsen
Publicado en: bioRxiv, 2019
Editor: Cold Spring Harbor Laboratory
DOI: 10.1101/860643

SPIN - Species by Proteome INvestigation
Autores: Patrick Leopold Ruether, Immanuel Mirnes Husic, Pernille Bangsgaard, Kristian Murphy Gregersen, Pernille Pantmann, Milena Carvalho, Ricardo Miguel Godinho, Lukas Friedl, Joao Cascalheira, Marie Louise Schjellerup Joerkov, Michael Benedetti, Jonathan Haws, Nuno Bicho, Frido Welker, Enrico Cappellini, Jesper Velgaard Olsen
Publicado en: bioRxiv, 2021
Editor: Cold Spring Harbor Laboratory

Software

Software a través de OpenAIRE (1)

SPIN - Species by Proteome INvestigation: Code, databases, and example data
Autores: Patrick Leopold Rüther; Immanuel Mirnes Husic; Pernille Bangsgaard; Kristian Murphy-Gregersen; Pernille Pantmann; Milena Carvalho; Ricardo Miguel Godinho; Lukas Friedl; João Cascalheira; Alberto John Taurozzi; Marie Louise Schjellerup Jørkov; Michael M. Benedetti; Jonathan Haws; Nuno Bicho; Frido Welker; Enrico Cappellini; Jesper Velgaard Olsen
Editor: Zenodo
DOI: 10.5281/zenodo.6406043; 10.5281/zenodo.6406044

Última actualización: 14 Septiembre 2023

Permalink: https://cordis.europa.eu/project/id/722606/results/es