

Prof. Oliver Edward Craig
Professor
Archaeology
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Research interests

Oliver Craig specialises in biomolecular archaeology, i.e. the recovery of proteins, lipids and DNA from ancient skeletal remains and archaeological artefacts to provide insights into past human activities. His particular interests lie in temporal transitions and variability in human diets, cuisine and subsistence practices and the impact that dietary changes had on social evolution, health and the environment.

Oliver is interested in combining a broad range of analytical techniques to study palaeodiet but particularly stable isotope analysis of human bone and organic residue analysis of food remains on ceramics. He has led on the development of compound specific isotope approaches in both these fields.

His research has focused on the analysis of materials from key prehistoric sites in the UK, Central and Eastern Europe and along the Atlantic, Baltic and Mediterranean coastlines. Oliver is also interested in Roman diet and particularly the issue of marine consumption.

Oliver has a strong interest in the earliest use of pottery from North America, Patagonia, Eastern Baltic, Siberia, Russian Far East and Japan.

Oliver has hosted 8 Marie Skłodowska-Curie fellows from a wider diversity of backgrounds and supervised 35 PhD students. He directed the Chemarch network leading 15 PhD students to investigate the chemistry and molecular biology of prehistoric artefacts.

Employment

Lecturer

Lecturer
Archaeology
University of York
The King's Manor, York
1 Sept 2007 → 30 Sept 2011

Senior Lecturer

Senior lecturer
Archaeology
University of York
The King's Manor, York
1 Oct 2011 → 31 Oct 2012

Senior Lecturer

Senior lecturer
Archaeology
University of York
The King's Manor, York
1 Nov 2012 → 30 Sept 2014

Reader

Reader
Archaeology
University of York
The King's Manor, York
1 Oct 2014 → 30 Sept 2016

Professor

Professor
Archaeology
University of York
The King's Manor, York

1 Oct 2016 → present

Research outputs

Pottery Lipids Demonstrating Marine Product Tribute in Early Historic Japan

Murakami, N., Lucquin, A., Fujimura, S., Kosaki, S., Oda, Y., Suzuki, M., Baba, H., Mifune, T., Craig, O. E. & Shoda, S., 16 Aug 2025, In: *Asian Perspectives*. 64, 1, p. 61-80

Baseline isotopic variability in plants and animals and implications for the reconstruction of human diet in 1st century AD Pompeii

Soncin, S., Amoretti, V., Comegna, C., Corbino, C. A., Mantile, N., Altieri, S., Di Cicco, M. R., Giacometti, V., Bakker, J., Caso, M., Trentacoste, A., Ellis, S., Tafuri, M. A., Zuchtriegel, G., Craig, O. E. & Lubritto, C., 3 Aug 2025, In: *Scientific reports*. 15, 12 p., 28308.

Lipid residue analysis reveals divergent culinary practices in Japan and Korea at the dawn of intensive agriculture

Craig, O. E., Lundy, J., Bondetti, M., Nicholson-Lailey, S., Murakami, N., Suzuki, M., Stevens, C., Lucquin, A., Talbot, H. M., Son, J.-H., Fujio, S., Sakamoto, M., Yamashita, Y., Kobayashi, K., Crema, E. R. & Shoda, S., 21 Jul 2025, In: *Proceedings of the National Academy of Sciences*. 122, 30, e2504414122.

Investigating long-term trophic stability in North Atlantic cod (*Gadus morhua*) through nitrogen stable isotope analysis of amino acids.

Yamoah, A. K. K., Harland, J., McLaughlin, R., Talbot, H. M., Fontanals-Coll, M., Craig, O. E. & Orton, D., 10 Jul 2025, (E-pub ahead of print) In: *Philosophical Transactions of the Royal Society B: Biological Sciences*. 380, 1930, 13 p., 20240028.

Shifting seas: understanding deep-time human impacts on marine ecosystems

Holman, L. E., Bohmann, K., Craig, O. E., Orton, D., Pedersen, M. W., Tange Olsen, M., Thurstan, R. H. & Scourse, J., 10 Jul 2025, In: *Philosophical Transactions of the Royal Society B: Biological Sciences*. 380, 1930, 10 p., 20240026.

Stable isotopic composition of Antarctic and Patagonian marine mammals collected before and during industrial-scale whaling: assessing the baseline for long-term changes in the marine ecosystem

Genelt-Yanovskiy, E. A., Genelt-Yanovskaya, A. S., Fontanals-Coll, M., Yamoah, K. A., Craig, O. E., Sabin, R. C. & Scourse, J. D., 10 Jul 2025, In: *Philosophical Transactions of the Royal Society B: Biological Sciences*. 380, 1930, 16 p., 20240227.

Marine exploitation and the arrival of farming: resolving the paradox of the Mesolithic-Neolithic transition in Denmark

McLaughlin, R., Robson, H. K., Maring, R., Boethius, A., Guiry, E., Groß, D., Koivisto, S., Philippsen, B., Milner, N., Bailey, G. & Craig, O. E., 1 Sept 2025, In: *Quaternary Science Reviews*. 363, p. 1-17 17 p., 109447.

BPChAr—a Benzene Polycarboxylic Acid database to describe the molecular characteristics of laboratory-produced charcoal: Implications for soil science and archaeology

Notterpek, I., Craig, O. E., Garberi, P., Lucquin, A., Théry-Parisot, I. & Abiven, S., 14 May 2025, In: *PLOS ONE*. 20, 5, e0321584.

High-resolution compound-specific $\delta^{15}\text{N}$ isotope dietary study of humans from the Scottish Mesolithic and Neolithic

Martinoia, V., Craig, O. E., Charlton, S. J. L., Britton, K., Sheridan, A., Bones, A., Talbot, H., MacDonald, R. & Richards, M., 24 Apr 2025, (E-pub ahead of print) In: *Archaeometry*. 18 p.

Farmers with a Taste for Fish: New Insights into Iroquoian Foodways at the Dawson Site

Taché, K., Tremblay, R., Lucquin, A., Admiraal, M., Hart, J. P. & Craig, O. E., 6 Feb 2025, In: *American Antiquity*. 90, 1, p. 157-173 17 p.

Feasting on fish. Specialized function of pre-colonial pottery of the Cerritos mound builders of southern Brazil

Admiraal, M., Colonese, A. C., Milheira, R. G., Di Muro, A., Talbot, H. M., Lucquin, A. & Craig, O. E., 5 Feb 2025, In: *PLOS ONE*. 20, 2, e0311192.

The oldest farmers' settlement from Poland. New interdisciplinary data on chronology and economy from the Gwoździec site

Czekaj-Zastawny, A., Rauba-Bukowska, A., Kukułka, A., Craig, O. E., England, F., Kotula, A., Kufel-Diakowska, B., Lityńska-Zajac, M., Lucquin, A., Moskal-Del Hoyo, M., Oberc, T., Robson, H. K. & Wilczyński, J., 8 Jan 2025, (E-pub ahead of print) In: *Praehistorische Zeitschrift*.

Evaluating the culinary significance of maize in the Araucanía, Southern Chile: Evidence from organic residue analysis of pre-colonial pottery

Montalvo-Cabrera, J. A., Campbell, R., Colonese, A. C., Palma, G., Lucquin, A., Talbot, H. M., Serna, A., Roa Solís, C., Admiraal, M. & Craig, O. E., Jan 2025, In: *Journal of archaeological science*. 173, 106118.

Millet and meals: the role and significance of *Panicum miliaceum* in culinary contexts at Bruszczewo, Poland

Standall, E. A., Craig, O. E., Kneisel, J., Müller, J., Kirleis, W., Czebreszuk, J. & Heron, C., 4 Dec 2024, In: *Archaeological and Anthropological Sciences*. 17, 1, 15 p., 1.

The impact of cooking and burial on proteins: a characterisation of experimental foodcrusts and ceramics

Evans, M., Hagan, R., Boyd, O. J., Bondetti, M., Craig, O. E., Collins, M. J. & Hendy, J., 18 Sept 2024, (E-pub ahead of print) In: *Royal Society Open Science*. 11, 9, 23 p., 240610.

Alkylresorcinol detection and identification in archaeological pottery by ultra high performance liquid chromatography-quadrupole/Orbitrap mass spectrometry

Doliente, J. E., Langer, S., Dickinson, M., Cubas, M., Colonese, A. C., Penkman, K. E. H. & Craig, O. E., 15 Aug 2024, In: *Rapid Communications in Mass Spectrometry*. 38, 15, 12 p., e9771.

Multi-proxy bioarchaeological analysis of skeletal remains shows genetic discontinuity in a Medieval Sicilian community

Monnereau, A., Ughi, A., Orecchioni, P., Hagan, R., Talbot, H. M., Nikita, E., Hamilton, D., Le Roux, P., Molinari, A., Carver, M., Craig, O. E., Speller, C. F., Alexander, M. M. & Wales, N., 24 Jul 2024, In: *Royal Society Open Science*. 11, 7 , 11 p., 240436.

Culinary continuity in central Japan across the transition to agriculture

Lundy, J., Bondetti, M., Lucquin, A., Talbot, H. M., Murakami, N., Nakayama, S., Harada, M., Suzuki, M., Endo, E., Stevens, C., Crema, E. R., Craig, O. E. & Shoda, S., 7 Jun 2024, In: *Archaeological and Anthropological Sciences*. 16, 97.

A medium-throughput approach for improved taxonomic identification of lipids preserved in ancient pottery

Drieu, L., Lundy, J., Smith, R. K., Bergström, E., Talbot, H., Primavera, M., Fiorentino, G., Craig, O. E. & Thomas-Oates, J., 7 May 2024, (E-pub ahead of print) In: *Archaeometry*. 20 p.

Unraveling Island Economies through Organic Residue Analysis: The Case of Mocha Island (Southern Chile)

Montalvo-Cabrera, J. A., Colonese, A. C., Campbell, R., Talbot, H. M., Lucquin, A., Admiraal, M., Palma, G. & Craig, O. E. , 12 Mar 2024, (E-pub ahead of print) In: *Latin American Antiquity*. p. 1-15 15 p.

Ceramics: Organic Residue Analysis

Cubas, M., Becher, J., Chiang, Y., Antonius Dekker, J. A., Di Muro, A., Doliente, J. E. & Craig, O. E., 2024, *Encyclopedia of Archaeology*. Rehren, T. & Nikita, E. (eds.). Second ed. Oxford: Academic Press, Vol. 2B. p. 398-405 8 p.

Entre la vie et la mort: les isotopes stables et leur reflet dans les pratiques funéraires du cimetière du Néolithique ancien de Mulhouse-Est, Alsace

Kennedy, B., Gerdau-Radonic, K., Bickle, P., Craig, O., Von Tersch, M., Arbogast, R. M., Lefranc, P., Denaire, A., Jeunesse, C., Chenal, F. & Mechadi, Y., 2024, In: *Bulletins et Mémoires de la Société d'Anthropologie de Paris*. 36

Interdisciplinary evidence for early domestic horse exploitation in southern Patagonia

Taylor, W. T. T., Belardi, J. B., Barberena, R., Coltrain, J. B., Marina, F. C., Borrero, L. A., Conver, J. L., Hodgins, G., Admiraal, M., Craig, O. E., Lucquin, A., Talbot, H. M., Lundy, J., Liu, X., Chauvey, L., Schiavinato, S., Seguin-Orlando, A., Le Roux, P., Lucas, M. & Orlando, L. & 2 others, Roberts, P. & Jones, E. L., 8 Dec 2023, In: *Science Advances*. 9, 49, eadk5201.

The impact of farming on prehistoric culinary practices throughout Northern Europe

Lucquin, A. J. A., Robson, H. K., Oras, E., Lundy, J., Moretti, G., Gonzalez Carretero, L., Dekker, J., Demirci, Ö., Dolbunova, E., McLaughlin, T. R., Piezonka, H., Talbot, H. M., Adamczak, K., Czekaj-Zastawny, A., Groß, D., Gumiński, W., Hartz, S., Kabaciński, J., Koivisto, S. & Linge, T. E. & 10 others, Meyer, A.-K., Mökkönen, T., Philippson, B., Piličiauskas, G., Visocka, V., Kriiska, A., Raemaekers, D. C. M., Meadows, J., Heron, C. & Craig, O. E., 16 Oct 2023, In: Proceedings of the National Academy of Sciences of the United States of America. 120, 43, 7 p., e2310138120.

Chemical analysis of pottery reveals the transition from a maritime to a plant-based economy in pre-colonial coastal Brazil

Admiraal, M., Colonese, A. C., Milheira, R. G., da Rocha Bandeira, D., Demathe, A., Pereira dos Santos, A. M., Fossile, T., Talbot, H. M., Bondetti, M., Lucquin, A., Montalvo-Cabrera, J., Prates, L., Serna, A. & Craig, O. E., 5 Oct 2023, In: Scientific reports. 13, 1, 9 p., 16771.

Parallel worlds and mixed economies: multi-proxy analysis reveals complex subsistence systems at the dawn of early farming in the northeast Baltic

Oras, E., Törv, M., Johanson, K., Rannamäe, E., Poska, A., Löugas, L., Lucquin, A. J. A., Lundy, J., Brown, S., Chen, S., Varul, L., Haferberga, V., Legzdiņa, D., Zariņa, G., Cramp, L., Heyd, V., Reay, M., Pospieszny, Ł., Robson, H. K. & Nordqvist, K. & 3 others, Heron, C., Craig, O. E. & Kriiska, A., 4 Oct 2023, In: Royal Society Open Science. 10, 15 p., 230880.

The role of salmon fishing in the adoption of pottery technology in subarctic Alaska

Admiraal, M., Jordan, P. D., Talbot, H. M., Craig, O. E., Serna, A., Taché, K., von Tersch, M., Hendy, J., McGrath, K., Craig, O. E. & Lucquin, A., Sept 2023, In: Journal of archaeological science. 157, 11 p., 105824.

Molecular evidence for new foodways in the early colonial Caribbean: organic residue analysis at Isla de Mona, Puerto Rico

Briggs, L., Cooper, J., Craig, O. E., Heron, C., Lucquin, A., Milantchi, M. M. M. & Samson, A., 3 May 2023, In: Archaeological and Anthropological Sciences. 15, 5, 19 p., 70.

The globular amphora culture in the Eastern Baltic: new discoveries

Piličiauskas, G., Skipitytė, R., Oras, E., Lucquin, A. J. A., Craig, O. E. & Robson, H. K., 14 Apr 2023, In: Acta Archaeologica. 92, 2, p. 203-227

Detection of dairy products from multiple taxa in Late Neolithic pottery from Poland: an integrated biomolecular approach

Evans, M., Lundy, J., Lucquin, A. J. A., Hagan, R., Kowalski, Ł., Wilczyński, J., Bickle, P., Adamczak, K., Craig, O. E., Robson, H. K. & Hendy, J. R., 15 Mar 2023, In: Royal Society Open Science. 10, 3, 13 p., 230124.

Cuisine in transition? Organic residue analysis of domestic containers from 9th-14th century Sicily

Lundy, J., Drieu, L., Orecchioni, P., Meo, A., Aniceti, V., Fiorentino, G., Primavera, M., Talbot, H. M., Molinari, A., Carver, M. O. H. & Craig, O. E., 8 Mar 2023, (E-pub ahead of print) In: Royal Society Open Science. 10, 17 p., 221305.

Stable isotope analyses of amino acids reveal the importance of aquatic resources to Mediterranean coastal hunter-gatherers

Fontanals-Coll, M., Soncin, S., Talbot, H. M., Von Tersch, M., Gibaja, J. F., Colonese, A. C. & Craig, O. E., 22 Feb 2023, In: Proceedings of the Royal Society B: Biological Sciences. 290, 1993, 11 p., 20221330.

The transmission of pottery technology among prehistoric European hunter-gatherers

Dolbunova, E., Lucquin, A. J. A., McLaughlin, R., Bondetti, M., Courel, B., Oras, E., Piezonka, H., Robson, H. K., Talbot, H. M., Adamczak, K., Andreev, K., Asheichyk, V., Charniauski, M., Czekaj-Zastawny, A., Ezepenko, I., Grechkina, T., Gunnarsson, A., Gusentsova, T. M., Haskevych, D. & Ivanischeva, M. & 24 others, Kabaciński, J., Karmanov, V., Kosorukova, N., Kostyleva, E., Kriiska, A., Kukawka, S., Lozovskaya, O., Mazurkevich, A., Nedomolkina, N., Piličiauskas, G., Sinitsyna, G., Skorobogatov, A., Smolyaninov, R. V., Surkov, A., Tkachov, O., Tkachova, M., Tsybrij, A., Tsybrij, V., Vybornov, A. A., Wawrusiewicz, A., Yudin, A. I., Meadows, J., Heron, C. P. & Craig, O. E., 1 Feb 2023, In: Nature Human Behaviour. 7, p. 171-183 16 p.

Light Production by Ceramic Using Hunter-Gatherer-Fishers of the Circum-Baltic

Robson, H. K., Lucquin, A. J. A., Admiraal, M., Dolbunova, E., Adamczak, K., Czekaj-Zastawny, A., Fitzhugh, W., Gumiński, W., Kabaciński, J., Kotula, A., Kukawka, S., Oras, E., Piezonka, H., Pilčiauskas, G., Sørensen, S. A., Thielen, L., Wetzel, G., Meadows, J., Hartz, S. & Craig, O. E. & 1 others, Heron, C., 16 Jan 2023, In: Proceedings of the Prehistoric Society. 88, p. 25-52 28 p.

Fusion cuisine in the shadow of Mount Olympus: an integrated study of Middle and Late Bronze Age cooking pots

Dimoula, A., Koulidou, S., Tsirtsoni, Z., Standall, E., Craig, O. E. & Valamoti, S. M., 23 Nov 2022, In: Journal of Greek Archaeology. 7, p. 37-66 30 p.

Lipid residues in ancient pastoralist pottery from Kazakhstan reveal regional differences in cooking practices

Murakami, N., Onggaruly, A., Rakhimzhanova, S., Standall, E. A., Talbot, H. M., Lucquin, A., Suzuki, M., Karimagambetov, A., Nuskabay, A., Nam, S. W., Craig, O. E. & Shoda, S., 10 Nov 2022, In: Frontiers in Ecology and Evolution. 10, 16 p., 1032637.

Elucidating historical fisheries' networks in the Iberian Peninsula using stable isotopes

Llorente-Rodríguez, L., Craig, O. E., Colonese, A. C., von Tersch, M., Roselló-Izquierdo, E., González Gómez de Agüero, E., Fernández-Rodríguez, C., Quiros-Castillo, J. A., López-Arias, B., Marlasca-Martín, R., Nottingham, J. & Morales Muñiz, A., 1 Jul 2022, In: Fish and fisheries. 23, 4, p. 862-873 12 p.

Diet, economy, and culinary practices at the height of precolonial Swahili urbanism

Quintana Morales, E. M., Craig, O. E., Prendergast, M. E., Walshaw, S., Cartaciano, C., Mwebi, O., Nguta, E., Onduso, V., Fleisher, J. & Wynne-Jones, S., 1 Jun 2022, In: Journal of Anthropological Archaeology. 66, 12 p., 101406.

There's more to a vessel than meets the eye: Organic residue analysis of 'wine' containers from shipwrecks and settlements of ancient Cyprus (4th–1st century bce)

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Integrating Lipid and Starch Grain Analyses From Pottery Vessels to Explore Prehistoric Foodways in Northern Gujarat, India

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Large-scale migration into Britain during the Middle to Late Bronze Age

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The use of early pottery by hunter-gatherers of the Eastern European forest-steppe

Courel, B., Meadows, J., Carretero, L. G., Lucquin, A., McLaughlin, R., Bondetti, M., Andreev, K., Skorobogatov, A., Smolyaninov, R., Surkov, A., Vybornov, A. A., Dolbunova, E., Heron, C. P. & Bondetti, M., 1 Oct 2021, In: Quaternary Science Reviews. 269, 12 p., 107143.

Prehistoric Fermentation, Delayed-Return Economies, and the Adoption of Pottery Technology

Craig, O. E., Oct 2021, In: Current Anthropology. 62, 24, p. 233-241

Dataset of oxygen, carbon, and strontium isotope values from the Imperial Roman site of Velia (ca. 1st-2nd c. CE), Italy

Stark, R. J., Emery, M. V., Schwarcz, H., Sperduti, A., Bondioli, L., Craig, O. E. & Prowse, T. L., 30 Sept 2021, In: Data in Brief. 38, 9 p., 107421.

High-resolution dietary reconstruction of victims of the 79 CE Vesuvius eruption at Herculaneum by compound-specific isotope analysis

Soncin, S., Talbot, H. M., Fernandes, R., Harris, A., von Tersch, M., Robson, H. K., Bakker, J. K., Richter, K. K., Alexander, M., Ellis, S., Thompson, G., Amoretti, V., Osanna, M., Caso, M., Sirano, F., Fattore, L., Colonese, A. C., Garnsey, P., Bondioli, L. & Craig, O. E., 25 Aug 2021, In: Science Advances. 7, 35, 9 p., eabg5791.

Pottery use in the mining site of variscite Mines de Gavà (Barcelona, Spain) during the 4th millennium BC based on organic residue analysis

Tarifa-Mateo, N., Regert, M., Craig, O. E., Rosell-Melé, A., Clop, X. & Saña, M., 1 Aug 2021, In: Journal of Archaeological Science: Reports. 38, 12 p., 103080.

Neolithic farmers or Neolithic foragers? Organic residue analysis of early pottery from Rakushechny Yar on the Lower Don (Russia)

Bondetti, M., González Carretero, L., Dolbunova, E., McGrath, K., Presslee, S., Lucquin, A., Tsybriy, V., Mazurkevich, A., Tsybriy, A., Jordan, P., Heron, C., Meadows, J. & Bondetti, M., 26 Jul 2021, In: Archaeological and Anthropological Sciences. 13, 141, p. 1-16 16 p., 141.

New insights into early medieval Islamic cuisine: Organic residue analysis of pottery from rural and urban Sicily

Lundy, J., Drieu, L., Meo, A., Sacco, V., Arcifa, L., Pezzini, E., Aniceti, V., Fiorentino, G., Alexander, M. M., Orecchioni, P., Molinari, A., Carver, M. O. H. & Craig, O. E., 9 Jun 2021, In: PLOS one. 16, 6, 25 p., e0252225.

What do "barbarians" eat? Integrating ceramic use-wear and residue analysis in the study of food and society at the margins of Bronze Age China

Taché, K., Jaffe, Y., Craig, O. E., Lucquin, A., Zhou, J., Wang, H., Jiang, S., Standall, E. & Flad, R. K., 29 Apr 2021, In: PLOS one. 16, 4, e0250819.

Organic Residue Analysis of Early Neolithic 'Bog Pots' from Denmark Demonstrates the Processing of Wild and Domestic Foodstuffs

Robson, H. K., Saul, H. A., Steele, V. J., Meadows, J., Nielsen, P. O., Fischer, A., Heron, C. & Craig, O. E., Apr 2021, In: Journal of Archaeological Science: Reports. 36, 18 p., 102829.

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Craig, O. E., Figler, A., Patay, P., Collins, M. J., Chapman, J. & Taylor, G., 2003, In: European Journal of Archaeology. 6, 3, p. 251-265 14 p.

Rekonstruktion der Ernährungsweise in der mittel- und frühneolithischen Bevölkerungen von Trebur/Hessen und Herheim/Pfalz anhand der Analyse Stabiler Isotope

Dürrwächter, C., Craig, O. E., Taylor, G., Collins, M. J., Burger, J. & Alt, K. W., 2003, In: Bulletin de la Société Suisse Anthropologie . 9, p. 1-16

The removal of protein from mineral surfaces: implications for residue analysis of archaeological materials

Craig, O. E. & Collins, M. J., Oct 2002, In: Journal of archaeological science. 29, 10, p. 1077-1082 5 p.

Ancient proteins degradation and analysis

Gernaey, A. M., Waite, E. R., Collins, M. J., Craig, O. E. & Sokol, R. J., 2001, *Handbook of Archaeological sciences* . Pollard, M. & Brothwell, D. (eds.). Chichester: Wiley-Blackwell, p. 323-331

The Ancient Potsherd: A unique environment for protein survival?

Craig, O. E., Collins, M. J. & Stacey, R. J., 2001, *British Archaeological reports 2001*. Oxford: Archaeopress, p. 47-52 (British Archaeology Reports (International Series); no. 939).

The Development of Dairying in Europe: potential evidence from food residues on ceramics

Craig, O. E., 2001, In: Documenta Praehistorica. 29, p. 97-107

Archaeology - Detecting milk proteins in ancient pots

Craig, O., Mulville, J., Pearson, M. P., Sokol, R., Gelsthorpe, K., Stacey, R. & Collins, M., 16 Nov 2000, In: Nature. 408, 6810, p. 312-312 1 p.

Detecting milk proteins in ancient pots

Craig, O., Parker Pearson, M., Sokol, R., Gelsthorpe, K., Stacey, R., Collins, M. J. & Mulville, J., 16 Nov 2000, In: Nature. 408, 6810, p. 312

An improved method for the immunological detection of mineral bound protein using hydrofluoric acid and direct capture

Craig, O. E. & Collins, M. J., 6 Mar 2000, In: Journal of Immunological Methods. 236, 1-2, p. 89-97 8 p.

Determining the human origin of fragments of burnt bone: A comparative study of histological, immunological and DNA techniques

Cattaneo, C., Dimartino, S., Scali, S., Craig, O. E., Grandi, M. & Sokol, R. J., 1999, In: Forensic Science International. 102 , p. 181-191 10 p.

A preliminary investigation of DNA stability in bone during artificial diagenesis

Waite, E. R., Child, A. M., Craig, O. E., Collins, M. J., Gelsthorpe, K. & Brown, T. A., 1997, In: Bulletin de la Société Géologique de France. 168, p. 547-554 7 p.

Comparison of three DNA extraction methods on bone and bloodstains up to 43 years old and amplification of three different gene sequences

Cattaneo, C., Craig, O. E., James, N. T. & Sokol, R. J., 1997, In: JOURNAL OF FORENSIC SCIENCES. 42, p. 1126-1135 10 p.

Activities

UKRI Talent Peer Review College (External organisation)

Craig, O. E. (Advisor)

2020 → ...

Searching for invisible cuisines: towards the identification of artefacts associated with plant processing in the past

Craig, O. O. (Chair)

5 Apr 2019

Evaluating the origins, motivations and implications of early pottery use by hunter-gatherers of the Eastern Baltic

Craig, O. O. (Chair)

7 Sept 2018

Festival of Ideas 2018

Carver, M. O. H. (Invited speaker), Craig, O. E. (Invited speaker), Drieu, L. (Host), Ughi, A. (Host), Lundy, J. L. (Host) & Monnereau, A. M. R. (Host)

16 Jun 2018

Commodities carried in amphorae AD 600-1200 New research from Sicily

Carver, M. O. H. (Invited speaker), Drieu, L. (Invited speaker) & Craig, O. E. (Invited speaker)

15 Nov 2017

Commodities carried in amphorae AD600-1200

Carver, M. O. H. (Invited speaker), Drieu, L. (Invited speaker) & Craig, O. E. (Invited speaker)

2017

Radiocarbon & Diet

Craig, O. E. (Chair)

24 Sept 2015

Meso 2015

Milner, N. (Presenter), Charlton, S. J. L. (Presenter), Alexander, M. M. (Presenter), O'Connell, T. C. (Presenter), Stevens, R. (Presenter) & Craig, O. E. (Presenter)

14 Sept 2015 → 18 Sept 2015

Association of Archaeological Wear and Residue Analysts

Milner, N. (Presenter), Little, A. P. (Presenter), Croft, S. C. K. (Presenter) & Craig, O. E. (Presenter)

15 May 2015 → 30 May 2015

Society of American Archaeology annual conference 2015

Milner, N. (Presenter), Little, A. P. (Presenter), Conneller, C. (Presenter), Rowley, C. C. A. (Presenter), French, C. (Presenter), Taylor, B. (Presenter), Needham, A. (Presenter), Birchenhall, J. (Presenter), Conti, M. (Presenter), Croft, S. C. K. (Presenter), Fletcher, L. (Presenter), Collins, M. J. (Presenter), Craig, O. E. (Presenter) & Pomstra, D. (Presenter)

13 Apr 2015

UK Archaeological Science conference

Craig, O. E. (Chair)

10 Apr 2015

YorkTalks - "Why the world went to pot"

Craig, O. E. (Speaker)

7 Jan 2015

Molecular Archaeology: investigating diet, food and cuisine from Stonehenge to the Jōmon? ca. 200 attendees. Not chargeable., One week staff time.

Craig, O. E. (Speaker)
25 Oct 2014

Food culture in Prehistoric East Asia

Craig, O. E. (Speaker)
24 Oct 2014

European Association of Archaeologists Conference 2014

Milner, N. (Presenter), Conneller, C. (Presenter), Taylor, B. (Presenter), Rowley, C. C. A. (Presenter), Little, A. P. (Presenter), Croft, S. C. K. (Presenter), French, C. (Presenter), Craig, O. E. (Presenter) & Saul, H. A. (Presenter)
10 Sept 2014 → 14 Sept 2014

Cuisine and Feasting at Stonehenge

Craig, O. E. (Speaker)
12 Nov 2013

14th Annual Conference of the British Association for Biological Anthropology and Osteoarchaeology

Craig, O. E. (Member of programme committee)
13 Sept 2013 → 15 Sept 2013

UK Archaeological Science

Craig, O. E. (Chair)
11 Apr 2013 → 14 Apr 2013

Society for American Archaeology

Craig, O. E. (Participant)
6 Apr 2013

Research Agenda for the Mesolithic in England

Craig, O. E. (Contributor)
10 Dec 2012

Nutrition and Well-Being in the Roman World: The Evidence from Human Bones

Craig, O. E. (Invited speaker)
10 Nov 2012

Scientific methods in Archaeology

Craig, O. E. (Keynote/plenary speaker)
27 Sept 2012

Scientific Methods in Archaeology

Craig, O. E. (Keynote/plenary speaker)
27 Sept 2012 → 29 Sept 2012

Production of panel content for the Yorvik Centre Museum

Craig, O. E. (Contributor)
1 Dec 2011

UK Archaeological Science

Craig, O. E. (Chair)
15 Sept 2011 → 18 Sept 2011

CSI Archaeology Public lecture National Museum of Scotland

Craig, O. E. (Speaker)
10 Sept 2011

From Foraging to Farming in Northern Europe: the impact of scientific approaches

Craig, O. E. (Organiser)
12 Apr 2011

Third International Symposium on Biomolecular Archaeology

Craig, O. E. (Organiser)
14 Sept 2008 → 16 Sept 2008

NERC peer review college (External organisation)

Craig, O. E. (Advisor)
2008 → 2012

Diet and migration in Mediterranean prehistory: a methodological reappraisal

Craig, O. E. (Organiser)
10 Mar 2006

UK Archaeological Science

Craig, O. E. (Member of programme committee)
29 Aug 2001 → 1 Sept 2001

Awards

Unlocking culinary records from prehistoric Britain through the analysis of charred food remains

Gonzalez Carretero, L. (Principal investigator), Craig, O. E. (Co-investigator) & Green, K. L. (Co-investigator)
AHRC: £3,429.40
1/06/25 → 31/05/28

Projects

ArchSci2020: Archaeology on the Edge: Northern Europe and the Circumpolar World

Craig, O. E. (Principal investigator), Alexander, M. M. (Co-investigator), Ashby, S. (Co-investigator), Collins, M. J. (Co-investigator), Holst, M. R. (Co-investigator), Penkman, K. E. H. (Co-investigator) & Speller, C. F. (Co-investigator)
EUROPEAN COMMISSION
1/04/16 → 31/03/21

ARISE: Agriculture Revolution in Southern Europe

Craig, O. E. (Principal investigator)
EUROPEAN COMMISSION
1/10/07 → 30/09/10

Bioarch-HS

Craig, O. E. (Principal investigator), Alexander, M. M. (Co-investigator), Hendy, J. R. (Co-investigator), Penkman, K. E. H. (Co-investigator) & Wales, N. A. (Co-investigator)
AHRC
30/09/24 → 13/10/26

CERAM: First Ceramics of Atlantic Europe: Manufacture and Function

Craig, O. E. (Principal investigator) & Cubas Morera, M. (Co-investigator)
EUROPEAN COMMISSION
1/10/15 → 30/09/17

CERES, MC IIF Karine Tache: Ceramic Residues to the economic and social context of early pottery use in North Eastern North America

Craig, O. E. (Principal investigator)
EUROPEAN COMMISSION
1/09/11 → 31/08/13

Chicken Coop

Craig, O. E. (Principal investigator), Collins, M. J. (Co-investigator) & O'Connor, T. (Co-investigator)
AHRC
6/01/14 → 30/06/17

Coastal shell middens and agricultural origins in Atlantic Europe

Bailey, G. (Principal investigator), Milner, N. (Co-investigator) & Craig, O. E. (Researcher)
AHRC
1/10/04 → 31/05/06

Consuming Prehistory: feeding Stonehenge follow-on-fund

Craig, O. E. (Principal investigator)
AHRC
1/12/17 → 1/03/19

Counter Culture: investigating Neolithic social diversity

Bickle, P. (Principal investigator) & Craig, O. E. (Co-investigator)
AHRC
1/04/18 → 31/03/21

DREGS

Wales, N. A. (Principal investigator) & Craig, O. E. (Co-investigator)
EUROPEAN COMMISSION
1/09/19 → 31/08/21

(ERC-StG-2018) ENOUNTER: Demography, Cultural change, and the Diffusion of Rice and Millet during the Jomon-Yayoi transition in prehistoric Japan

Craig, O. E. (Principal investigator)
EUROPEAN COMMISSION
1/04/19 → 30/11/24

ERC Synergy Grant 856488 SEACHANGE Project

Bailey, G. (Co-investigator), Milner, N. (Principal investigator), Craig, O. E. (Principal investigator), Orton, D. C. (Principal investigator), Scourse, J. (Principal investigator), Roberts, C. (Principal investigator) & Bohmann, K. (Principal investigator)
1/10/20 → 30/09/26

EPIC: Eredità biologica e culturale lungo 30 mila anni nella popolazione italiana centro-meridionale.

Craig, O. E. (Other)
1/03/13 → 31/03/15

Feeding stonehenge: provisioning henges and households in southern Britain in the 3rd millennium BC

Craig, O. E. (Principal investigator)
AHRC
8/02/10 → 13/06/13

FISHARC

Craig, O. E. (Principal investigator), Collins, M. J. (Co-investigator), Colonese, A. C. (Co-investigator), Llorente-Rodriguez, L. (Co-investigator) & Speller, C. F. (Co-investigator)
EUROPEAN COMMISSION
1/10/15 → 31/08/17

H2020- IF - OVINE: Ovine Variation in Estonia-Rannamae

Speller, C. F. (Principal investigator), Collins, M. J. (Co-investigator), Craig, O. E. (Co-investigator) & Orton, D. C. (Co-investigator)

EUROPEAN COMMISSION

1/05/17 → 30/04/19

INDUCE: The innovation, Diaspora and Use of Ceramics in Eurasia

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/09/16 → 28/02/23

Integrating Platforms for the European Research Infrastructure on Heritage Science

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/04/20 → 31/03/24

ITN-2020-ChemArch (EJD)

Craig, O. E. (Principal investigator), Hendy, J. R. (Co-investigator), Little, A. P. (Co-investigator), Penkman, K. E. H. (Co-investigator), Thomas-Oates, J. E. (Co-investigator) & Wales, N. A. (Co-investigator)

EUROPEAN COMMISSION

1/03/21 → 28/02/25

MELTING POT: Food And Identity In The Age Of The Vikings

Ashby, S. (Principal investigator) & Craig, O. E. (Co-investigator)

AHRC

1/05/16 → 30/10/18

MSCA_IF-2017: NEOMEDIS: NEOLithic MEDiterranean diet through stable ISotope analysis

Craig, O. E. (Principal investigator) & Fontanals-Coll, M. (Co-investigator)

EUROPEAN COMMISSION

1/04/19 → 28/06/21

[MSCA-IF-2020] CATCOW: Corded-Ware cattle (Lizzie Wright)

Craig, O. E. (Principal investigator), Hendy, J. R. (Co-investigator), Orton, D. C. (Co-investigator) & Wales, N. A. (Co-investigator)

EUROPEAN COMMISSION

1/05/22 → 14/08/26

[MSCA-IF-2020] POUR: POttery Use from the earliest Records of Patagonia through biomolecular analysis (Alejandro Serna)

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/05/22 → 30/04/24

Neolithic Seafaring and Maritime Technologies Shaped a New World of Megalithic Societies (4500-3500 cal BC) NEOSEA

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/05/24 → 30/04/25

PaleoMIX Nurturing Heritage Science with Novel Bioarchaeological Methods in the Eastern Baltics

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/01/23 → 31/12/25

PlantCult: Identifying the Plant-food Cultures of Ancient Europe

Craig, O. E. (Principal investigator)

EUROPEAN COMMISSION

1/09/18 → 31/12/20

PONTE: Shinya Shoda Marie Curie Fellowship (IIF)

Craig, O. E. (Principal investigator) & Shoda, S. (Co-investigator)

EUROPEAN COMMISSION

1/09/14 → 31/08/16

Rethinking the green revolution in the western Mediterranean

Alexander, M. M. (Principal investigator), Craig, O. E. (Co-investigator) & Wales, N. A. (Co-investigator)

EUROPEAN COMMISSION

1/06/23 → 31/05/29

SEACHANGE: Quantifying the impact of major cultural transitions on marine ecosystem functioning and biodiversity

Craig, O. E. (Principal investigator), Milner, N. (Co-investigator), Orton, D. C. (Co-investigator) & Penkman, K. E. H. (Co-investigator)

EUROPEAN COMMISSION

1/10/20 → 30/09/27

SICTRANSIT: The Archaeology of Regime Change: Sicily in Transition

Carver, M. O. H. (Principal investigator), Alexander, M. M. (Co-investigator), Craig, O. E. (Co-investigator), Speller, C. F. (Co-investigator) & Thomas-Oates, J. E. (Co-investigator)

EUROPEAN COMMISSION

1/08/16 → 31/01/23

TECUS: Technology and Use of Neolithic Pottery from North Macedonia

Bickle, P. (Principal investigator) & Craig, O. E. (Co-investigator)

EUROPEAN COMMISSION

1/10/23 → 31/08/25

TECUS: Technology and Use of Neolithic Pottery from North Macedonia

Burke, C. (Principal investigator), Bickle, P. (Co-investigator) & Craig, O. E. (Co-investigator)

1/10/23 → 1/10/25

The innovation and development of pottery in East Asia

Craig, O. E. (Principal investigator)

AHRC

12/05/14 → 11/05/17

Understanding and exploiting a nitrogen-fixing endophyte for enhancing sustainability and productivity of vertical farming

Denby, K. (Principal investigator), Craig, O. E. (Co-investigator), Harper, A. L. (Co-investigator) & O'Toole, P. J. (Co-investigator)

BBSRC (BIOTECHNOLOGY AND BIOLOGICAL SCIENCES RESEARCH COUNCIL)

1/04/24 → 31/03/27

Unlocking culinary records from prehistoric Britain through the analysis of charred food remains

Gonzalez Carretero, L. (Principal investigator), Craig, O. E. (Co-investigator) & Green, K. L. (Co-investigator)

AHRC

1/06/25 → 31/05/28

URP 2019-20 (Strategic Capital) SEM-EDX: New Frontiers in Environmental and Heritage Science at York

Little, A. P. (Principal investigator), Kroger, R. (Co-investigator), White, M. J. (Co-investigator), Brown, S. E. (Co-investigator), Craig, O. E. (Co-investigator), O'Higgins, P. (Co-investigator), Penkman, K. E. H. (Co-investigator), Hodson, M. E. (Co-investigator) & Gehrels, W. R. (Co-investigator)

1/08/19 → 31/07/20

