

# ARC2130 / ARCM130

Discovering the Past with Molecular Science

View Online



- Allentoft et al., M.E. (2015) 'Population genomics of Bronze Age Eurasia', *Nature*, 522(7555), pp. 167–172. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=103160510&site=eds-live&scope=site>.
- Ambrose, S.H. and Krigbaum, J. (2003a) 'Bone chemistry and bioarchaeology', *Journal of Anthropological Archaeology*, 22(3), pp. 193–199. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000185269100002&site=eds-live&scope=site>.
- Ambrose, S.H. and Krigbaum, J. (2003b) 'Bone chemistry and bioarchaeology [in] *Journal of Anthropological Archaeology*', *Journal of Anthropological Archaeology*, 22(3), pp. 193–199. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000185269100002&site=eds-live&scope=site>.
- Barnard, H., Dooley, A.N. and Faull, K.F. (2007) 'Chapter 5: An introduction to archaeological lipid analysis by GC/MS', in *Theory and practice of archaeological residue analysis*. Oxford: Archaeopress, pp. 42–60. Available at:  
<https://contentstore.cla.co.uk/secure/link?id=2428a28d-bbe9-e911-80cd-005056af4099>.
- Barrett, J.H. et al. (2011) 'Interpreting the expansion of sea fishing in medieval Europe using stable isotope analysis of archaeological cod bones', *Journal of Archaeological Science*, 38(7), pp. 1516–1524. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440311000562&site=eds-live&scope=site>.
- Bentley, R.A. (2006a) 'Strontium Isotopes from the Earth to the Archaeological Skeleton: A Review', *Journal of Archaeological Method and Theory*, 13(3), pp. 135–187. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.20177538&site=eds-live&scope=site>.
- Bentley, R.A. (2006b) 'Strontium Isotopes from the Earth to the Archaeological Skeleton: A Review', *Journal of Archaeological Method and Theory*, 13(3), pp. 135–187. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.20177538&site=eds-live&scope=site>.
- Bentley, R.A. et al. (2012) 'Community Differentiation and Kinship Among Europe's First Farmers', *Proceedings of the National Academy of Sciences*, 109(24), pp. 9326–9330. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.41602662&site=eds-live&scope=site>.

Blog | Stable Isotopes in Zooarchaeology | A Working Group of the International Council for Archaeozoology (no date). Available at: <https://sizwg.wordpress.com/blog/>.

Blumenthal, S.A. et al. (2014) 'Stable Isotope Time-Series in Mammalian Teeth: In Situ  $\delta^{18}O$  From the Innermost Enamel Layer', *Geochimica et Cosmochimica Acta*, 124, pp. 223-236. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0016703713005413&site=eds-live&scope=site>.

Britton, K. et al. (2011) 'Strontium isotope evidence for migration in late Pleistocene Rangifer: Implications for Neanderthal hunting strategies at the Middle Palaeolithic site of Jonzac, France', *Journal of Human Evolution*, 61(2), pp. 176-185. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248411000686&site=eds-live&scope=site>.

Brothwell, D.R. and Pollard, A.M. (2001) *Handbook of archaeological sciences*. Chichester: Wiley.

Brown, T.A. and Brown, K. (2011a) *Biomolecular archaeology: an introduction*. Chichester: Wiley-Blackwell.

Brown, T.A. and Brown, K. (2011b) *Biomolecular archaeology: an introduction*. Chichester: Wiley-Blackwell.

Centre for Innovation - Leiden University (2017) '3.2 Paleodiet: Principles of Stable Isotope Analysis - YouTube'. Available at: [https://www.youtube.com/watch?v=CN83D-ra4\\_o](https://www.youtube.com/watch?v=CN83D-ra4_o).

Clementz, M.T. et al. (2009) 'Revisiting old bones: coupled carbon isotope analysis of bioapatite and collagen as an ecological and palaeoecological tool', *Geological Journal*, 44(5), pp. 605-620. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000270079300006&site=eds-live&scope=site>.

Cook, G.T. et al. (2001) 'A Freshwater Diet-Derived  $^{14}C$  Reservoir Effect at the Stone Age Sites in the Iron Gates Gorge', *Radiocarbon*, 43(2A), pp. 453-460. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=70321790&site=eds-live&scope=site>.

Craig et al., O.E. (2015) 'Feeding Stonehenge: Cuisine and Consumption at the Late Neolithic Site of Durrington Walls', *Antiquity*, 89(347), pp. 1096-1109. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000363306700006&site=eds-live&scope=site>.  
Dansgaard, W. (1964) 'Stable Isotopes in Precipitation', *Tellus*, 16(4), pp. 436-468. Available at: <https://onlinelibrary.wiley.com/doi/10.1111/j.2153-3490.1964.tb00181.x>.

Darling, W.G. (2004) 'Hydrological Factors in the Interpretation of Stable Isotopic Proxy Data Present and Past: A European Perspective', *Quaternary Science Reviews*, 23(7-8), pp. 743-770. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000149&site=eds-live&scope=site>.

Darling, W.G. et al. (2006) 'Chapter 6: Isotopes in Water', in *Isotopes in Palaeoenvironmental Research*. Dordrecht: Springer, pp. 1–66. Available at: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default).

Drucker, D.G. et al. (2017) 'Isotopic analyses suggest mammoth and plant in the diet of the oldest anatomically modern humans from far southeast Europe', *Scientific Reports*, 7(1). Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000406610000084&site=eds-live&scope=site>.

English Heritage (no date) 'Organic Residue Analysis and Archaeology | English Heritage'. Historic England. Available at: <https://historicengland.org.uk/images-books/publications/organic-residue-analysis-and-archaeology/>.

Eriksson, G. (2013) 'Chapter: The Nature of the Evidence - Stable Isotope Analysis of Humans', in *The Oxford Handbook of the Archaeology of Death and Burial*, pp. 123–146. Available at: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000047109707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000047109707446&context=L&vid=44UOEX_INST:default).

Ermini, L. et al. (2015) 'Major transitions in human evolution revisited: A tribute to ancient DNA', *Journal of Human Evolution*, 79, pp. 4–20. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248414002516&site=eds-live&scope=site>.

Evans, J.A., Chenery, C.A. and Montgomery, J. (2012) 'A Summary of Strontium and Oxygen Isotope Variation in Archaeological Human Tooth Enamel Excavated From Britain', *JAAS (Journal of Analytical Atomic Spectrometry)*, 27(5), pp. 754–764. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=100893600&site=eds-live&scope=site>.

Evershed et al., R.P. (2008) 'Earliest date for milk use in the Near East and southeastern Europe linked to cattle herding', *Nature*, 455(7212), pp. 528–531. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=34482572&site=eds-live&scope=site>.

Evershed, R.P. (2008a) 'Organic residue analysis in archaeology: the archaeological biomarker revolution', *Archaeometry*, 50(6), pp. 895–924. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800001&site=eds-live&scope=site>.

Evershed, R.P. (2008b) 'Organic residue analysis in archaeology: the archaeological biomarker revolution', *Archaeometry*, 50(6), pp. 895–924. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800001&site=eds-live&scope=site>.

Evershed, R. P. (2008) 'Organic residue analysis in archaeology: the archaeological biomarker revolution', *Archaeometry*, 50(6), pp. 895–924. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true>

ue&db=edswah&AN=000261215800001&site=eds-live&scope=site. Farquhar, G.D., Ehleringer, J.R. and Hubick, K.T. (1989) 'Carbon Isotope Discrimination and Photosynthesis', *Annual Review of Plant Physiology and Plant Molecular Biology*, 40(1), pp. 503–537. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://www.annualreviews.org/doi/abs/10.1146/annurev.pp.40.060189.002443>.

Frantz et al., L.A. (2016) 'Genomic and Archaeological Evidence Suggest a Dual Origin of Domestic Dogs', *Science*, 352(6290), pp. 1228–1231. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27257259&site=eds-live&scope=site>.

Gourcy, L.L., Groening, M. and Aggarwal, P.K. (2005) 'Chapter 4: Stable Oxygen and Hydrogen Isotopes in Precipitation', in *Isotopes in the Water Cycle: Past, Present and Future of a Developing Science*. Dordrecht: International Atomic Energy Agency (IAEA), pp. 39–51. Available at: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008604329707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008604329707446&context=L&vid=44UOEX_INST:default).

Haydock, H. et al. (2013) 'Weaning at Anglo-Saxon raunds: Implications for changing breastfeeding practice in Britain over two millennia', *American Journal of Physical Anthropology*, 151(4), pp. 604–612. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000321975400012&site=eds-live&scope=site>.

Heaton, T.H.E. (1999) 'Spatial, Species, and Temporal Variations in the  $^{13}\text{C}/^{12}\text{C}$  Ratios of C3 Plants: Implications for Palaeodiet Studies', *Journal of Archaeological Science*, 26(6), pp. 637–649. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440398903818&site=eds-live&scope=site>.

Hedges, R.E.M., Stevens, R.E. and Koch, P.L. (2006) 'Isotopes in Bones and Teeth', in *Isotopes in Palaeoenvironmental Research*. Dordrecht: Springer, pp. 117–145. Available at: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default).

Heron et al., C. (2016) 'First Molecular and Isotopic Evidence of Millet Processing in Prehistoric Pottery Vessels', *Scientific Reports*, 6(38767). Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000390304400001&site=eds-live&scope=site>. 'Historic England Guide: Organic Residue Analysis and Archaeology' (no date). Historic England. Available at: <https://historicengland.org.uk/images-books/publications/organic-residue-analysis-and-archaeology/>.

Hoppe, K.A., Koch, P.L. and Furutani, T.T. (2003) 'Assessing the Preservation of Biogenic Strontium in Fossil Bones and Tooth Enamel', *International Journal of Osteoarchaeology*, 13(1–2), pp. 20–28. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs4322634&site=eds-live&scope=site>.

Iacumin, P., Davanzo, S. and Nikolaev, V. (2006) 'Spatial and temporal variations in the  $^{13}\text{C}/^{12}\text{C}$  and  $^{15}\text{N}/^{14}\text{N}$  ratios of mammoth hairs: Palaeodiet and palaeoclimatic implications', *Chemical Geology*, 231(1-2), pp. 16-25. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0009254105005437&site=eds-live&scope=site>.

'Janet Montgomery - Isotope Analysis of Skeletons - YouTube' (no date). Available at: <https://www.youtube.com/watch?v=gJZQIXPxueU>.

Jaouen, K. et al. (2016) 'Zinc isotope ratios of bones and teeth as new dietary indicators: results from a modern food web (Koobi Fora, Kenya)', *Scientific Reports*, 6(26281). Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27189145&site=eds-live&scope=site>.

Jay, M. et al. (2013) 'British Iron Age chariot burials of the Arras culture: a multi-isotope approach to investigating mobility levels and subsistence practices', *World Archaeology*, 45(3), pp. 473-491. Available at: <https://0-uoelibrary-idm-oclc-org.lib.exeter.ac.uk/login?url=http://0-search.ebscohost.com.lib.exeter.ac.uk/login.aspx?direct=true&db=rlh&AN=90380616&site=eds-live&scope=site>.

Kendall, C. et al. (2018) 'Diagenesis of Archaeological Bone and Tooth', *Palaeogeography, Palaeoclimatology, Palaeoecology*, 491, pp. 21-37. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0031018217305898&site=eds-live&scope=site>.

Kohn, M.J. and Cerling, T.E. (2002a) 'Stable Isotope Compositions of Biological Apatite', *Reviews in Mineralogy and Geochemistry*, 48(1), pp. 455-488. Available at: <https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>.

Kohn, M.J. and Cerling, T.E. (2002b) 'Stable Isotope Compositions of Biological Apatite', *Reviews in Mineralogy and Geochemistry*, 48(1), pp. 455-488. Available at: <https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>.

Kutschera, W. and Müller, W. (2003) '"Isotope language" of the Alpine Iceman investigated with AMS and MS', *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 204(Supplement C), pp. 705-719. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0168583X03004919&site=eds-live&scope=site>.

Lamb, A.L. (2016) 'Stable Isotope Analysis of Soft Tissues From Mummified Human Remains', *Environmental Archaeology*, 21(3), pp. 271-284. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=eih&AN=116526716&site=eds-live&scope=site>.

Lee-Thorp, J.A. (2008a) 'On Isotopes and Old Bones', *Archaeometry*, 50(6), pp. 925-950. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true>

ue&db=edswah&AN=000261215800002&site=eds-live&scope=site.  
Lee-Thorp, J.A. (2008b) 'On Isotopes and Old Bones', *Archaeometry*, 50(6), pp. 925–950.

Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800002&site=eds-live&scope=site>.

Lee-Thorp, J.A. and Ecker, M. (2015) 'Holocene Environmental Change at Wonderwerk Cave, South Africa: Insights from Stable Light Isotopes in Ostrich Eggshell', *African Archaeological Review*, 32(4), pp. 793–811. Available at:

<https://0-uoelibrary-idm-oclc-org.lib.exeter.ac.uk/login?url=http://0-search.ebscohost.com.lib.exeter.ac.uk/login.aspx?direct=true&db=hlh&AN=111904335&site=eds-live&scope=site>.

Leng, M.J. (2006) *Isotopes in palaeoenvironmental research*. Dordrecht: Springer. Available at:

[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default).

Leng, M.J. and Lewis, J.P. (2016) 'Oxygen isotopes in Molluscan shell: Applications in environmental archaeology', *Environmental Archaeology*, 21(3), pp. 295–306. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=eih&AN=116526721&site=eds-live&scope=site>.

Linderholm, A. (2016) 'Ancient DNA: The Next Generation - Chapter and Verse', *Biological Journal of the Linnean Society*, 117(Issue 1), pp. 150–160. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=112072603&site=eds-live&scope=site>.

Llamas, B., Willerslev, E. and Orlando, L. (2017) 'Human evolution: a tale from ancient genomes', *Philosophical Transactions Of The Royal Society Of London. Series B, Biological Sciences*, 372(1713), pp. 1–24. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27994125&site=eds-live&scope=site>.

Loog et al., L. (2017) 'Inferring Allele Frequency Trajectories from Ancient DNA Indicates That Selection on a Chicken Gene Coincided with Changes in Medieval Husbandry Practices', *Molecular Biology & Evolution*, 34(8), pp. 1981–1990. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=124480585&site=eds-live&scope=site>.

López Varela, S.L. (ed.) (2019) *The Encyclopedia of Archaeological Sciences*. [Hoboken, NJ]: Wiley-Blackwell. Available at:

[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008570939707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008570939707446&context=L&vid=44UOEX_INST:default).

MacHugh, D.E., Larson, G. and Orlando, L. (2017) 'Taming the Past: Ancient DNA and the Study of Animal Domestication', *Annual Review Of Animal Biosciences*, 5(1), pp. 329–351. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27813680&site=eds-live&scope=site>.

MacHugh, D. E., Larson, G. and Orlando, L. (2017) 'Taming the Past: Ancient DNA and the Study of Animal Domestication', *Annual Review Of Animal Biosciences*, 5, pp. 329–351.

Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27813680&site=eds-live&scope=site>.

Marciniak, S. et al. (2015) 'Ancient Human Genomics: The Methodology Behind Reconstructing Evolutionary Pathways', *Journal of Human Evolution*, 79, pp. 21–34.

Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248414002693&site=eds-live&scope=site>.

Matisoo-Smith, L. and Horsburgh, K.A. (2012a) *DNA for Archaeologists*. Walnut Creek, Calif: Left Coast Press. Available at:

[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX_INST:default).

Matisoo-Smith, L. and Horsburgh, K.A. (2012b) *DNA for Archaeologists*. Walnut Creek, Calif: Left Coast Press. Available at:

[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX_INST:default).

McDermott, F. (2004a) 'Palaeo-Climature Reconstruction From Stable Isotope Variations in Speleothems: A Review', *Quaternary Science Reviews*, 23(7–8), pp. 901–918. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000198&site=eds-live&scope=site>.

McDermott, F. (2004b) 'Palaeo-climate reconstruction from stable isotope variations in speleothems: a review', *Quaternary Science Reviews*, 23(7), pp. 901–918. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000198&site=eds-live&scope=site>.

Meier-Augenstein, W. and Fraser, I. (2008) 'Forensic isotope analysis leads to identification of a mutilated murder victim', *Science & Justice*, 48(3), pp. 153–159. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=18953804&site=eds-live&scope=site>.

Michener, R.H. and Lajtha, K. (2007) *Stable Isotopes in Ecology and Environmental Science*. 2nd ed. Oxford: Blackwell. Available at:

[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000159059707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000159059707446&context=L&vid=44UOEX_INST:default).

Muccio, Z. and Jackson, G.P. (2009) 'Isotope Ratio Mass Spectrometry', *Analyst*, 134(2), pp. 213–222. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=36278472&site=eds-live&scope=site>.

Muldner, G. and Richards, M. (2007) 'Diet and Diversity at Later Medieval Fishergate: The Isotopic Evidence', *American Journal of Physical Anthropology*, 134(2), pp. 162–174.

Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true>

ue&db=asx&AN=26885841&site=eds-live&scope=site.

Müller et al., W. and Fricke, H. (5646) 'Origin and Migration of the Alpine Iceman', *Science*, 302(5646), pp. 862–866. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.3835555&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.3835555&site=eds-live&scope=site)

Müller, U.C. et al. (2011) 'The Role of Climate in the Spread of Modern Humans into Europe', *Quaternary Science Reviews*, 30(3–4), pp. 273–279. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379110004129&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379110004129&site=eds-live&scope=site)

Naito, Y.I. et al. (2016) 'Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen', *Journal of Human Evolution*, 93, pp. 82–90. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248416000233&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248416000233&site=eds-live&scope=site)

Nehlich, O. (2015) 'The Application of Sulphur Isotope Analyses in Archaeological Research: A Review', *Earth-Science Reviews*, 142(Supplement C), pp. 1–17. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0012825214002220&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0012825214002220&site=eds-live&scope=site)

Nielsen et al., R. (2017) 'Tracing the peopling of the world through genomics', *Nature*, 541(7637), pp. 302–310. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00006056.201701190.00040&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00006056.201701190.00040&site=eds-live&scope=site)

O'Connell, T.C. et al. (2001) 'Isotopic Comparison of Hair, Nail and Bone: Modern Analyses', *Journal of Archaeological Science*, 28(11), pp. 1247–1255. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000172195200011&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000172195200011&site=eds-live&scope=site)  
O'Connell, T.C. et al. (2012) 'The Diet-Body Offset in Human Nitrogen Isotopic Values: A Controlled Dietary Study', *American Journal of Physical Anthropology*, 149(3), pp. 426–434. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000309922100013&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000309922100013&site=eds-live&scope=site)  
O'Connell, T.C. and Hedges, R.E.M. (1999a) 'Investigations into the Effect of Diet on Modern Human Hair Isotopic Values', *American Journal of Physical Anthropology*, 108(4), pp. 409–425. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000079546500003&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000079546500003&site=eds-live&scope=site)

O'Connell, T.C. and Hedges, R.E.M. (1999b) 'Isotopic Comparison of Hair and Bone: Archaeological Analyses', *Journal of Archaeological Science*, 26(6), pp. 661–665. Available at:  
[https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440398903831&site=eds-live&scope=site.](https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440398903831&site=eds-live&scope=site)



Orlando, L., Gilbert, M.T. and Willerslev, E. (2015) 'Reconstructing Ancient Genomes and Epigenomes', *Nature Reviews. Genetics*, 16(7), pp. 395–408. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=26055157&site=eds-live&scope=site>.

Orlando, L., Gilbert, M.T.P. and Willerslev, E. (2015) 'Reconstructing Ancient Genomes and Epigenomes', *Nature Reviews: Genetics*, 16(7), pp. 395–408. Available at: [https://go-gale-com.uoelibrary.idm.oclc.org/ps/retrieve.do?tabID=T002&resultListType=RESULT\\_LIST&searchResultsType=SingleTab&hitCount=1&searchType=AdvancedSearchForm&currentPosition=1&docId=GALE%7CA420050893&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&pageNum=1&contentSet=GALE%7CA420050893&searchId=R3&userGroupName=exeter&inPS=true](https://go-gale-com.uoelibrary.idm.oclc.org/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&hitCount=1&searchType=AdvancedSearchForm&currentPosition=1&docId=GALE%7CA420050893&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&pageNum=1&contentSet=GALE%7CA420050893&searchId=R3&userGroupName=exeter&inPS=true).

Otonari et al., C. (2013) 'Pig Domestication and Human-Mediated Dispersal in Western Eurasia Revealed through Ancient DNA and Geometric Morphometrics', *Molecular Biology and Evolution*, 30(4), pp. 824–832. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00005793.201304000.00012&site=eds-live&scope=site>.

Pääbo, S. (2014) 'The Human Condition—A Molecular Approach', *Cell*, 157(1), pp. 216–226. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S009286741301605X&site=eds-live&scope=site>.

Pearson et al., M. (2016) 'Beaker People in Britain: Migration, Mobility and Diet', *Antiquity*, 90(351), pp. 620–637. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000376691400005&site=eds-live&scope=site>.  
Pearson, J.A. et al. (2015) 'Stable carbon and nitrogen isotope analysis at Neolithic Çatalhöyük: evidence for human and animal diet and their relationship to households', *Journal of Archaeological Science*, 57(Supplement C), pp. 69–79. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440315000205&site=eds-live&scope=site>.

Pearson, M.P. et al. (2016) 'Beaker People in Britain: Migration, Mobility and Diet', *Antiquity*, 90(351), pp. 620–637. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000376691400005&site=eds-live&scope=site>.  
Pellegrini, M. et al. (2016) 'Tooth enamel oxygen "isoscapes" show a high degree of human mobility in prehistoric Britain', *Scientific Reports*, 6. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000392010700001&site=eds-live&scope=site>.  
Peterson, B.J. and Fry, B. (1987) 'Stable Isotopes in Ecosystem Studies', *Annual Review of Ecology and Systematics*, 18(1), pp. 293–320. Available at: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.2097134&site=eds-live&scope=site>.

- Pollard, A.M. et al. (2007) *Analytical Chemistry in Archaeology*. Cambridge: Cambridge University Press. Available at:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default).
- Pollard, A.M. (2007) *Analytical Chemistry in Archaeology*. Cambridge: Cambridge University Press. Available at:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default).
- Pollard, M. et al. (2007) 'Chapter 10: Atoms, Isotopes, Electron Orbitals and the Periodic Table', in *Analytical chemistry in archaeology*. Cambridge: Cambridge University Press. Available at:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default).
- Price, T.D. et al. (2004) 'Strontium Isotopes and Prehistoric Human Migration: The Bell Beaker Period in Central Europe', *European Journal of Archaeology*, 7(Issue 1), pp. 9-40. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=53090830&site=eds-live&scope=site>.
- Price, T.D. et al. (2017) 'The migration of Late Pleistocene reindeer: isotopic evidence from northern Europe', *Archaeological and Anthropological Sciences*, 9(3), pp. 371-394. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000399027500005&site=eds-live&scope=site>.
- Price, T.D. et al. (2018) 'Isotopes and Human Burials at Viking Age Birka and the Malaren Region, East Central Sweden', *Journal of Anthropological Archaeology*, 49, pp. 19-38. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000428603500003&site=eds-live&scope=site>.
- Pryor, A.J.E. et al. (2013) 'Investigating Climate at the Upper Palaeolithic Site of Kraków Spadzista Street (B) Poland, Using Oxygen Isotopes', *Quaternary International*, 294, pp. 108-119. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S1040618211005544&site=eds-live&scope=site>.
- Pryor, A.J.E. et al. (2014) 'Quantification and Propagation of Errors When Converting Vertebrate Biomineral Oxygen Isotope Data to Temperature for Palaeoclimate Reconstruction', *Palaeogeography, Palaeoclimatology, Palaeoecology*, 412, pp. 99-107. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0031018214003484&site=eds-live&scope=site>.
- Ramsey, C.B. (2008) 'Radiocarbon Dating: Revolutions in Understanding', *Archaeometry*, 50(2), pp. 249-275. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000254272200005&site=eds-live&scope=site>.

- Richards, M. and Muidner, G. (2007) 'Stable Isotope Evidence for 1500 Years of Human Diet at the City of York, UK.', *American Journal of Physical Anthropology*, 133(1), pp. 682–697. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=24894713&site=eds-live&scope=site>.
- Richards, M.P., Hedges, R.E.M. and Stevens, R.E. (2004) 'Bone as a Stable Isotope Archive for Local Climatic Information', *Quaternary Science Reviews*, 23(7), pp. 959–965. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000204&site=eds-live&scope=site>.
- Roffet-Salque et al., M. (2015) 'Widespread Exploitation of the Honeybee by Early Neolithic Farmers', *Nature*, 527(7577), pp. 226–230. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=111020978&site=eds-live&scope=site>.
- Roffet-Salque et al., M. (2017) 'From the inside out: Upscaling organic residue analyses of archaeological ceramics', *Journal of Archaeological Science: Reports*, 16 (Supplement C), pp. 627–640. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S2352409X16301390&site=eds-live&scope=site>.
- Rozanski, D., Araguas-Araguas, L. and Gonfiantini, R. (1993) 'Isotopic patterns in modern global precipitation'. Available at:  
[https://www.researchgate.net/profile/Roberto\\_Gonfiantini/publication/257359208\\_Isotopic\\_patterns\\_in\\_Global\\_Precipitation/links/02e7e53c68ce1ca0e7000000/Isotopic-patterns-in-Global-Precipitation.pdf](https://www.researchgate.net/profile/Roberto_Gonfiantini/publication/257359208_Isotopic_patterns_in_Global_Precipitation/links/02e7e53c68ce1ca0e7000000/Isotopic-patterns-in-Global-Precipitation.pdf).
- Schoeninger, M.J. (1995) 'Stable Isotope Studies in Human Evolution', *Evolutionary Anthropology: Issues, News and Reviews*, 4(3), pp. 83–98. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=91392022&site=eds-live&scope=site>.
- Schoeninger, M.J. (2014) 'Stable Isotope Analyses and the Evolution of Human Diets', *Annual Review of Anthropology*, 43(1), pp. 413–430. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000348430900027&site=eds-live&scope=site>.
- Stern, B. et al. (2007) *Analytical Chemistry in Archaeology*. Available at:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default).
- Tieszen, L.L. (1991) 'Natural variations in the carbon isotope values of plants: Implications for archaeology, ecology, and paleoecology', *Journal of Archaeological Science*, 18(3), pp. 227–248. Available at:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=A1991FN20100002&site=eds-live&scope=site>.
- Tütken, T., Furrer, H. and Walter Vennemann, T. (2007) 'Stable Isotope Compositions of Mammoth Teeth From Niederweningen, Switzerland: Implications for the Late Pleistocene

Climate, Environment and Diet', *Quaternary International*, 164–165, pp. 139–150.

Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S1040618206002151&site=eds-live&scope=site>.

White, C.D. (1993) 'Isotopic Determination of Seasonality in Diet and Death from Nubian Mummy Hair', *Journal of Archaeological Science*, 20(6), pp. 657–666. Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs847441&site=eds-live&scope=site>.

'World Archaeology: Stable Isotopes' (2013), 45(3). Available at:

<https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/toc/rwar20/45/3?nav=toCList>.