

CONFERENCE OUTLINE

Wednesday	Thursday	Friday
9:00 Opening Remarks SLB/118		
9:15 Oral Presentations: People and Lifeways SLB/118	9:15 Oral Presentations: Food diet and cuisine 1 SLB/118	9:15 Oral Presentations: Food diet and cuisine 2 SLB/118
10:30 Coffee Break Spring Lane Building Foyer	10:30 Coffee Break Spring Lane Building Foyer	10:30 Coffee Break Spring Lane Building Foyer
11:00 Oral Presentations: People and Lifeways SLB/118	11:00 Oral Presentations: Scientific approaches to materials SLB/118	11:00 Oral Presentations: Food diet and cuisine 2 SLB/118
11:30 Oral Presentations: Advances in chronology and dating SLB/118		
12:30 Lunch Spring Lane Building Foyer	12:30 Lunch & Poster Session 2 Seminar Rooms	12:30 Lunch Spring Lane Building Foyer
1:30 Oral Presentations: Human plant and animal interactions SLB/118	14:15 Oral Presentations: Methodological advances SLB/118	13:30 Oral Presentations: Environments climate and landscapes SLB/118
15:00 Coffee Break Spring Lane Building Foyer	15:15 Coffee Break Spring Lane Building Foyer	15:00 Coffee Break Spring Lane Building Foyer
15:30 Oral Presentations: Human plant and animal interactions SLB/118	15:45 Oral Presentations: Methodological advances SLB/118	15:30 Oral Presentations: Environments climate and landscapes SLB/118
17:00 Break		16:45 Closing Remarks SLB/118
17:15 Reception & Poster Session 1 Seminar Rooms	18:30 Conference Dinner Merchant Adventurers' Hall, Fossgate, York, YO1 9XD	

DETAILED OUTLINE | ORAL PRESENTATIONS

Note: Presenters eligible for the Early Career Researcher oral presentation prize are marked with a '★', and those eligible for the PhD oral presentation prize are marked with a '†'

WED	People and Lifeways	Chair: Jessie Hendy
9:15	Archaeometabolomic identification of tobacco use and its relationship to disease in Early Modern Britain	Sarah Inskip★
9:30	Combining new genome-wide analysis with legacy isotope data: gender and kinship in the first Neolithic societies in central Europe	Penny Bickle
9:45	Investigating <i>Yersinia pestis</i> in Late Neolithic Human and Canine Remains	Magdalena Haller-Caskie†
10:00	Paget's Disease of Bone: Insights from the study of Medieval Skeletons in the UK	Silvia Gonzalez
10:15	Learning lessons from lesions: a ONE palaeopathological approach to understanding enthesal change in elite horses from post-medieval England	Richard Thomas
11:00	A Bioarchaeological Study of Infant Feeding Practices in Newfoundland, Canada, ca. 1750-1850 CE	Alison Harris★
11:15	Reconstructing early medieval life histories through multi-isotope and ancient DNA analyses at Lochhead Quarry (Angus, Scotland)	Lucy Koster†
WED	Advances in chronology and dating	Chair: Marc Dickinson
11:30	Old fossils, new information: testing the chronology of Zambian cave site sequences using enamel amino acid geochronology	Chloe Baldreki†

- 11:45** Challenges and lessons from a large-scale application of CSRA on absorbed lipid residues [Isabel Wiltshire](#)
- 12:00** Amino acid specific approaches to radiocarbon freshwater reservoir corrections [Corrie Hyland†](#)
- 12:15** Dating dung: Radiocarbon dating ovicaprid fecal pellets [Daniel Fuks★](#)

WED

Human, plant and animal interactions**Chair: Ele Green**

- 13:30** Ancient genomics to explore cattle and human interactions on the Western Atlantic Edge [Victoria E Mullin](#)
- 13:45** All about those cattle: Multi-proxy analysis of cattle mobility and management in Middle Neolithic Cova de les Pixarelles (NE Iberia) [Roger Alcàntara Fors](#)
- 14:00** Isotopic Perspectives on Cattle Management During the Early and Mid-Neolithic of Mongolia [Moses Akogun](#)
- 14:15** Feeding the Roman Army in Britain: new insights from a multi-isotope approach [Leia Mion★](#)
- 14:30** Birds, people and “multi-species” networks [Beatrice Demarchi](#)

Chair: Nathan Wales

- 15:30** Identification of Asian rice varieties combining traditional morphometrics and geometric morphometrics [Mizanur Rahman†](#)
- 15:45** Continuity in Cetamura: Insights into grapevine cultivation and the history of wine [Oya Inanli†](#)
- 16:00** Investigating insular pastoralism using foetal and neonatal bone collagen Carbon, Nitrogen and Sulphur stable isotope analysis of Hebridean herbivores [Jennifer Rose Jones](#)

- 16:15** Lipid biomarker evidence for Terminal Pleistocene sheep and goat penning at Abu Hureyra, Syria, from 12,800 calBP [Karen Milek](#)
- 16:30** New insights about camelid herding in the Atacama Desert: A diet characterisation using stable isotope analysis [Emilio Andrade†](#)

THURS **Food, diet and cuisine 1**

Chair: Alejandro Serna

- 9:15** An isotopic perspective on the last 10,000 years of European dietary and farming practices [Carlo Coccozza★](#)
- 9:30** Trendy isotopes: estimating past rates of change in big datasets [Rowan McLaughlin](#)
- 9:45** Stronti-YUM: Exploring diet using radiogenic and stable strontium isotope ratios and concentrations [Hannah F. James](#)
- 10:00** Interpreting ancient cereal practices through the compound-specific stable isotope analyses of absorbed lipid residues [Mengyao Zhang†](#)
- 10:15** Parallel worlds, mixed economies: multi-proxy biomolecular analysis for decoding the complexities of early farming in the NE Baltic [Ester Oras](#)

THURS **Scientific approaches to materials**

Chair: Clare Burke

- 11:00** Biomolecular perspectives on the uses of birch bark tar in prehistoric Europe [Anna White†](#)
- 11:15** Multi-Analytical Assessment of Archaeological Wood Preservation: A Case Study from La Draga, Spain [Deborah Roversi†](#)
- 11:30** Production of arsenical bronze using speiss on the Elephantine Island (Aswan, Egypt) during the Middle Kingdom (Middle Bronze Age) [Jiří Kmošek†](#)

- 11:45** Carving methods of Roman-era magical intaglios [Jordan Poole†](#)
- 12:00** LIBS and LA-ICP-MS analysis of coloured slips and decorations on Hellenistic tableware [Maja Mise](#)
- 12:15** Provenancing Islamic plant-ash glass from the eastern Silk Roads: an isotopic approach [Qin-Qin Lü★](#)

THURS **Methodological advances**

Chair: Maddy Bleasdale

- 14:15** Quantifying Timescales of Dietary Change using Isotopic Measurements on Bones with Different Turnover Rates [Alistair Pike](#)
- 14:30** Developing temporally relevant and spatially robust sulfur ($\delta^{34}\text{S}$) isotope baselines for archaeological studies of residence and mobility [Derek Hamilton](#)
- 14:45** Coal and Iron in Northern Roman Britain [Elizabeth La Duc†](#)
- 15:00** Pyrolysis-GC-MS as a Rapid Means of Distinguishing Coprolites [Helen Whelton★](#)

Chair: Lara Gonzalez Carretero

- 15:45** Cortisol in the cusps: investigating dental cortisol methods for assessing stress in living and archaeological populations [Leslie Quade★](#)
- 16:00** Mummy nose best: VOCs as a rapid means of assessing the source of Egyptian embalming materials [Wanyue Zhao★](#)
- 16:15** Improving taxonomic identification of lipids in archaeological ceramics using high resolution mass spectrometry [Jasmine Lundy★](#)
- 16:30** $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values of modern plants as baselines for palaeodietary and palaeoecological studies [Doris Vidas†](#)

16:45 Stable isotope analysis of archaeobotanical remains: [Amy Styring](#)
a perspective

FRI

Food, diet and cuisine 2

Chair: Sophy Charlton

- 9:15** Neanderthal cannibalism and subsistence at Abri Moula (France): integrating palaeoproteomics, zooarchaeology and taphonomy [Pauline Raymond†](#)
- 9:30** Integrating biomolecular methods to understand the ecology, subsistence and diet of early Homo sapiens at Ilsehöhle in Ranis, Germany [Geoff Smith](#)
- 9:45** Optimised seasonal shellfish exploitation strategies by Neanderthals during the Middle Palaeolithic in southern Europe from $\delta^{18}\text{O}$ ratios of Phorcus turbinatus [Asier García-Escárzaga](#)
- 10:00** Lighting up the blindspots: SEM, lipid and protein analysis of Mesolithic-Neolithic foodcrusts [Joannes Dekker†](#)
- 10:15** Foodways to Complexity: Isotopes and the metabolism of society in Late Bronze Age Greece [Efrossini Vika](#)

Chair: Jasmine Lundy

- 11:00** Feasting at the Ness of Brodgar? Tracing subsistence patterns during the Late Neolithic, Britain using organic residue analysis [Julia Becher†](#)
- 11:15** Lifting the Lid on the Hebridean Neolithic: Using Organic Residue Analysis to Reconstruct Foodways in the Hebridean Landscape [Daniel Brown†](#)
- 11:30** Pottery spilled the beans: patterns in the processing of foodstuffs in Central Germany from the Neolithic to the Bronze Age [Adrià Breu★](#)

- 11:45** Eating on the Edge of the Empire: Proteomic evidence for ingredients and cuisine in Roman Britain [Miranda Evans†](#)
- 12:00** The effect of a change in food availability during the 14th century [Rachèl Spro†](#)
- 12:15** Catching up with the Past: Applying Zooarchaeology to Understand Pre-Contact Indigenous Fisheries [Kristin Oliver†](#)

FRI

Environments, climate and landscapes**Chair: David Orton**

- 13:30** Unveiling the diversity of cetacean exploitation through ZooMS on prehistoric archaeological bone assemblages in southeastern coastal Brazil [Krista McGrath†](#)
- 13:45** Fuelling the northern frontier? New research on Roman activity and landscape impacts in the Hadrian's Wall region [Lisa-Marie Shillito](#)
- 14:00** Seasonality in the Scottish Islands: Birds as windows of time [Julia Best](#)
- 14:15** Multidisciplinary perspectives on the marine historical ecology of fishes in the eastern Mediterranean [Rachel Winter★](#)
- 14:30** Four thousand years of marine subsistence, food web dynamics and mercury concentrations in the Aleutian Islands, Alaska [Marjolein Admiraal★](#)

Chair: Alice Rose

- 15:30** Exploring early agro-pastoral strategies in the Carpathian Basin through stable isotope data and multiproxy land-use models [Margaux L. C. Depaermentier★](#)
- 15:45** Investigating temporal and geographical variation in the dietary behaviour of wolves with dental microwear texture analysis [Amanda Burt†](#)

- 16:00** Detecting climate-mediated site occupation patterns at Palaeolithic sites – a multiproxy stable isotope and lipid biomarker approach [Sarah Pederzani](#)
- 16:15** A long-term and seasonally resolved climatic record of Franchthi's stone age [Danai Theodoraki†](#)
- 16:30** Reindeer distribution in Late Palaeolithic to Early Mesolithic Sweden: Climatic shifts, human interaction, and environmental dynamics [Markus Fjellström★](#)