

BECC2021 CONFERENCE PROGRAM

25th-28th March 2021

-----Thursday 25th March 2021: Isotopic Analysis Sessions-----

09:00 – 09:15 Opening the event and launching the posters.

09:15 -10:15 Panel Session

Professor Frank Rühli (+1 hr GMT), Dr Kirsty Squires (GMT), Mrs Albína Hulda Pálsdóttir (GMT), Dr Amber Aranui (NGĀTI KAHUNGUNU, NGĀTI TŪWHARETOA) (+13hrs GMT)

The temptation to sample; An ethical debate on sampling of archaeological human and animal remains.

10:15 – 10:30 Coffee Break

10:30 – 11:30 Keynote

Dr Hannah Koon (GMT)

A Life in Stable Isotopes.

11:35 – 12:05 Presentations

- 11:35 – 11:50 Groenewald *et al.* (+2hrs GMT)

Bone collagen turnover rates in modern humans and their application to archaeology and forensics.

- 11:50 – 12:05 Kontopolous *et al.* (+1 hr GMT)

Intra-individual and intra-bone variability in collagen wt.%, stable carbon and nitrogen isotope signals: implications for palaeodietary studies.

12:05– 13:00 Lunch

- 13:00 – 13:15 Veselka *et al.* (+1 hr GMT)

Divergence, diet, and disease: The identification of group identity, landscape use, health, and mobility in the 5th to 6th-century burial community of Echt, the Netherlands.

- 13:15 – 13:30 Cortese *et al.* (+1 hr GMT)

Food strategies at Pastena Cave: stable isotope analyses.

- 13:30 – 13:45 Trębicka (+1 hr GMT)

The challenges of agriculture- subsistence strategy of an Iron Age population from Qareh Tepe, Iran.

- 13:45 – 14:00 Brusgaard (+1 hr GMT)

Wild boar and the transition to animal husbandry in the Netherlands: a case study on integrating stable isotope and zooarchaeological analysis.

14:00 – 14:20 Coffee Break

14:20 – 15:20 Presentations

- 14:20 – 14:35 Avery *et al.* (-5hrs GMT)

Childhood Diet in Roman Gaul using Isotopic Analysis of Incremental Dentin.

- 14:35 – 14:50 Stamataki *et al.* (+1 hr GMT)

Burned bones, hot research: Investigating cremation settings using FTIR and carbon and oxygen isotope analysis on archaeological cremated human remains from Belgium.

- 14:50 – 15:05 Kamjan *et al.* (+1hr GMT)

The emergence and evolution of Neolithic cattle farming in southeastern Europe: New zooarchaeological and stable isotope data from Džuljunica-Smārdeš, in northeastern Bulgaria (ca. 6200-5500 cal. BCE).

- 15:05 – 15:20 Neff *et al.* (-7hrs GMT)

Exploring Dietary Shifts in a Tropical Foraging-to-Farming Population using Compound Specific Amino Acid Analysis.

15:20 -15:45 Coffee

15:45 – 16:45 Workshop

Professor Megan Brickley (-5hrs GMT)

Diagnosing Disease linked to deficiency: Anaemia and Osteomalacia.

16: 50 – 17:50 Presentations

- 16:50 – 17:05 Ray and Prufer (-7hrs GMT)

Introduction of Maize Agriculture and Changes to Weaning Patterns in Southern Belize

- 17:05 – 17:20 Rand et al. (-5 hrs GMT)

Interpreting Maya mobility from birth to death: A multi-isotopic case study from Xunantunich and San Lorenzo, Belize.

- 17:20 – 17:35 Griffith and Mulville (-5 hrs GMT)

Living on the Edge: A Sequential Multi-Isotopic Approach to understanding Norse Cattle (*Bos taurus*) Husbandry Practices in the Western Isles of Scotland.

17:40 – 18:00 Closing the day

-----Friday 26th March 2021: Genetics and Modelling Sessions-----

09:00 – 09:15 Opening the event

09:15 – 10:00 Poster Session

10:00 – 11:00 Keynote

Professor Albert Zink (+1hr GMT)

Genetic identification of pathogens and the reconstruction of evolutionary pathways in mummies and skeletons.

11:00 – 11:15 Break

11:15 – 12:00 Presentations

11:15 – 11:30 ter Schure *et al.* (+1 hr GMT)

Disentangling anthropogenic and environmental drivers of biological change in southeastern Norway during the Holocene.

11:30 – 11:45 Basilo *et al.* (GMT)

Knock Knock...Who's there? The possible role of the R1b haplogroup in the late Neolithic/Early Bronze Age transition at southern Iberia

11:45-12:00 Saag *et al.* (+2hrs GMT)

Genetic ancestry changes in stone to Bronze Age transition in the East European plain

12:00 – 12:30 Networking Café

12:30 – 13:30 Panel Session

Professor Lisa Matisoo-Smith (+13hrs GMT), Professor David Reich (-5hrs GMT),
Dr Kenny Brophy (GMT) & Professor Michael McCormick (-5 hrs GMT)

Identity, Ethnicity, Migration and aDNA

13:30 – 14:30 Lunch

14:30 – 15:00 Presentations

14:30 – 14:45 Nezirovic (GMT)

The reliability of visual taphonomic descriptors for PMI estimations

14:45 - 15:00 Harder (-5hrs GMT)

Software Tools for Mapping Archaeological and Archaeogenetic Data

15:00 – 16:00 Workshop

Professor Daniel Bradley (GMT)

Ancient DNA and Near Eastern animal domestication

16:00 – 16:15 Coffee Break

16:15 – 17:15 Presentations

16:15 – 16:30 Arauna *et al.* (+1hr GMT)

A genome-wide view of the peopling history of the Vanuatu archipelago

16:30 - 16:45 Saupe *et al.* (+2hrs GMT)

A genetic overview of movements and transitions in Italy from the Paleolithic to the Bronze Age.

16:45- 17:00 Veltre *et al.* (+1hr GMT)

Quarto Capello del Prete (1st-3rd cent. CE): genomic structure of a rural Roman community

17:00 – 17:15 Sasso *et al.* (+2hrs GMT)

Ancient DNA perspective on the origins and structure of a Merovingian population in Belgium

17:15– 17:30 Closing the day

-----Saturday 27th March 2021: Osteoarchaeology Sessions-----

09:00 – 09:15 Opening the event

09:15 – 09:30 Poster Session

09:30 – 10:30 Presentations

- 09:30 – 09:45 Schlanker (GMT)

Intimate Partner Violence in Roman Britain.

- 09:45 – 10:00 Stewart (GMT)

Dental Metrics and Biological Similarity: Applications for Anglo-Saxon England.

- 10:00 – 10:15 Neves *et al.* (GMT)

Dental modifications on possible fishermen recovered from a Modern necropolis (15th-16th centuries) in South Portugal (Portimão, Algarve).

- 10:15 – 10:30 Lim *et al.* (+8hrs GMT)

Oral Health Status of a Precolonial Population (12th-16th century) in Northern Philippines.

10:30 – 10:45 Coffee Break

10:45 – 11:30 Presentations

- 10:45 – 11:00 McElvaney (GMT)

Wear are the caries? Aetiological association of wear and caries, and implications and recommendations for caries analyses.

- 11:00 – 11:15 Griffith (GMT)

Odontometric Discriminant Function Analysis: A validation of Use with Non-documented Assemblages.

- 11:15 – 11:30 Gunasekara *et al.* (+1hr GMT)

Feature and texture-based measures for dental wear analysis of Etruscan population in Valle Trebba, Spina (Italy).

- 11:30 – 11:45 Stewart *et al.* (+11 hrs GMT)

Stature and cross-sectional geometry of rib midshaft histological sections from a modern Australian sample.

11:45 – 12:00 Lunch

12:00 – 13:00 Keynote

Dr John Albanese (-5hrs GMT)

Critiques of Racial Approaches in Forensic Anthropology.

13:00 – 13:45 Osteology Zoom Social

14:00 – 15:00 Panel Session

Dr Helen Earwaker (GMT), Dr Sherry Nakhaeizadeh (GMT) & Vanessa Meterko (+5hrs GMT)

Strategies for Bias Mitigation in Forensic Research Design.

15:00 – 16:00 Workshop

Dr Nicholas Passalacqua (-5hrs GMT)

Research and Publishing in Forensic Anthropology.

16:00 – 17:45 Presentations

- 16:00 – 16:15 Morrone (+2hrs GMT)

Hunger, disease, and baby bones: the study of foetal and perinatal skeletal remains in medieval Estonia.

- 16:15 – 16:30 Vergidou *et al.* (+2hrs GMT)

Human osteoarchaeological approaches to diet and nutrition in the Roman Eastern Mediterranean: overview and a study from Roman Macedonia, Greece.

- 16:30 – 16:45 Karligkoti *et al.* (+2 hrs GMT)

Precarious lives: A glimpse into 16th-19th c. CE Cyprus based on the nonadults from the Ayia Napa Monastery.

- 16:45 – 17:00 Baldoni (+1hr GMT)

First insights in Qatari Prehistory: Bioarchaeological data on skeletal remains.

- 17:00 – 17:15 Velarde *et al.* (+8hrs GMT)

A first reported case of three adult individuals with probable treponemal infection in a 16th to early 20th century burial cemetery from Ille Site, Northern Palawan, Philippines.

- 17:15 – 17:30 Van Schaik (-5hrs GMT)

Pediatric Paleoradiology: Past, Present, and Future.

- 17:30 – 17:45 Saldías *et al.* (-3 hrs GMT)

Pathological and normal variability of foot bones in osteological collections from Catalonia (Spain) and Lazio (Italy).

17:45 – 18:45 Keynote 2

Dr Hugo F. V. Cardoso (-8 hrs GMT)

Common sense, nonsense, and research methods in skeletal biology.

18:45 – 19:00 Closing the day

----Sunday 28th March 2021: Commercial and Museum Sessions---

10:00 – 11:00 Wellbeing Session

Pandemic ECRs

11:00 – 12:00 Keynote

Jacqueline McKinley (GMT)

An Osteoarchaeological Odyssey: 40 years in the commercial world

12:00 – 13:00 Lunch

13:00 – 14:00 Panel Session

Jelena Bekvalac (GMT), Dr Matthew C. Go (-6hr GMT), Chioma Vivian Ngonadi, (+1hr GMT) & Ms Jeannette Plummer Sires (GMT)

Strengthening Links between Academia, Commercial, and Museum Sectors

14:00 – 14:15 Break

14:15 – 15:00 Networking Café

15:00 – 16:00 Workshop

David I. Connolly MfA; FSAScot (GMT)

Ethics and Archaeology in the UK

16:00 – 16:40 Awards, BECC2021 Best Presentations

16:00 – 16:10 Award: Isotopic Analysis Best Oral Presentation

16:10 – 16:20 Award: Genetics & Modelling Best Oral Presentation

16:20 – 16:30 Award: Osteology Best Oral Presentation

16:30 – 16:40 Award: Best Overall Poster Presentation

16:40 – 16:55 Networking Café

16:55 – 17:00 Closing BECC2021 Conference

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