



BABAO 2025 Timetable



Thursday 18th September 2025

9.00 – 16.00 PARALLEL WORKSHOPS	
9.00 – 16.00	WORKSHOP 1: <i>A practical introduction to Transition Analysis 3</i> Provided by George Milner and Jesper Boldsen
9.00 – 12.00	WORKSHOP 2: <i>A gentle introduction to R for bioarchaeologists</i> Provided by Bjørn Bartholdy
13.00 – 16.00	WORKSHOP 3: <i>Understanding dental data with R</i> Provided by Bjørn Bartholdy
9.00 – 12.00	WORKSHOP 4: <i>Standardising the diagnosis of chronic maxillary sinusitis: A new approach developed by the Bioarchaeology Respiratory Network</i> Provided by Maia Casna and Anna Davies-Barrett
13.30 – 16.00	WORKSHOP 5: <i>Bone lives: Interpreting human remains through osteobiographies</i> Provided by John Robb and Marianne Hem Eriksen
19.00 - 21.00	Drinks Reception in Leicester Cathedral (located in Leicester town centre)



BABAO 2025 Timetable



Friday 19th September 2025

8.00 – 9.00	Registration opens
9.00 – 9.15	Welcome/opening remarks
9.15 – 10.30	<p>SESSION 1</p> <p><i>Innovative science in the world of bioarchaeology</i></p> <p>Ragnheiður Diljá Ásmundsdóttir et al. 1. Variations within the archaeological human bone proteome</p> <p>Alice Rose et al. 2. Commensal connections: Investigating rat dietary ecology and human-rat interactions in medieval and post-medieval Europe through stable isotope analysis</p> <p>Aimée Barlow et al. 3. Tracing hormonal signatures to reconstruct reproductive histories</p> <p>Pedro Andrade et al. 4. Relief, Ritual, and smoke: Long-term use of Tobacco (<i>Nicotiana</i> spp.) on the Arid Coast of Northern Chile</p> <p>15 mins for QUESTIONS</p>
10.30 – 11.00	Break / Poster Session 1 – <i>Imaging, digital archaeology, and unusual scientific techniques</i>
11.00 – 12.15	<p>SESSION 2</p> <p><i>Revelations in age estimations</i></p> <p>Valentina Perrone et al. 5. Narrowing age estimation in adult skeletal remains: A new approach with cementochronology</p> <p>Varsha Warriar et al. 6. Prevalence of directional asymmetry within the acetabulum and its implications for age estimation</p> <p>Azahara Salazar Fernández et al. 7. Bone in transition: Geometric morphometric insights into subadult shoulder development</p> <p>Marta San-Millán et al. 8. The relevance of the reference sample in acetabular age-at-death estimation: Implications of biological sex and sample size</p> <p>15 mins for QUESTIONS</p>
12.15 - 13.15	Lunch
13.15 – 13.45	<p>KEYNOTE 1</p> <p><i>Building community through osteology: volunteering at the Northamptonshire Archaeological Resource Centre</i></p> <p>Ben Donnelly-Symes & Dale Munn, Northamptonshire Archaeological Resource Centre</p>



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13.45 – 15.00	SESSION 3
	<i>Reflections and forward directions in our field</i>
	Gemma Craven et al. 9. From race to population affinity: Rethinking language in forensic anthropology
	Taylor Peacock 10. Troubling binaries: Sex estimation in bioarchaeological literature
	Anna Freed 11. Bioarchaeologies of disability: Disabled people's perspectives
	Brian Costello et al. 12. Same smoke, different pipe: Educating archaeological discoveries of past tobacco use to school-aged children
	15 mins for QUESTIONS
15.00 – 15.30	Break / Poster Session 2 – <i>Exploring disease and lifestyle in the past</i>
15.30 – 17.00	SESSION 4
	<i>Bioarchaeological narratives, European stories</i>
	Allegra Rafaschieri et al. 13. Prevalence of hallux valgus and osteoarthritis in two post-medieval populations from the Netherlands: a shoe problem?
	Daniela Lorente 14. Peasant living conditions and labour in late medieval Valencia: Bioarchaeological findings from the maqbara of Benieto (13-16th c.)
	Emily May Wales-Ferguson et al. 15. Unearthing Sicily's past: A historical and methodological review of bioarchaeological research in Sicily
	Astrid Noterman et al. 16. Bonds of doing: dental modifications and activity markers in early churchyard burials from Gotland, Sweden
	Jack Eggington et al. 17. Diet, health, and social inequality in London: a mother-infant perspective (1789-1853CE)
	15 mins for QUESTIONS
17.00 – 17.30	KEYNOTE 2 <i>From bones to ancestors: Embodiment, structural violence, and social justice</i> Linda Mbeki
End of Day 1	
19.00 – 22.00	Conference Dinner at City Rooms (located in Leicester town centre) and BABAO quiz



BABAO 2025 Timetable



Saturday 20th September 2025

8.00	Registration opens
9.00 – 10.15	SESSION 5 <i>Detangling disease in humans and animals</i> Kerttu Majander et al. 18. From mummies to museum specimens: potential and preservation of ancient pathogen DNA Rachael Hall et al. 19. Exploring proteomic analysis as a method for identifying brucellosis in archaeological human skeletons Elliot Elliott 20. Skeletal lesions associated with leprosy in <i>S. vulgaris</i> (red squirrel) Steffi Vassallo et al. 21. Diving into the accuracy and reliability of four 3D imaging techniques when assessing palaeopathological cases Alette Blom et al. 22. The osteological paradox in medieval leprosy: Who is affected? An osteobiographical analysis of medieval people with leprosy
10.15 – 10.45	Break / Poster Session 3 – <i>Biomolecular analyses in bioarchaeology</i>
10.45 – 11.15	KEYNOTE 3 <i>Where have all our skeletons gone? The legal, ethical and research imperatives for a centralised human remains database in the UK to manage legacy collections</i> Mary Lewis, University of Reading, et al.
11.15 – 12.15	SESSION 6a <i>The state of our bones: mortuary practices, taphonomy, and the conundrum of comingling</i> Heidi Dawson-Hobbis et al. 23. The Winchester Cathedral mortuary chests: Curating the bones of Kings? Xander King et al. 24. 'Refitting in dry dock': Considering archaeological naval cemetery populations through commingled and fragmented human remains Iseabail Wilks 25. Caring for the dead: Results of archaeoethanatomical analysis of burials from the early Neolithic of central Europe Haley Goren et al. 26. Mortuary treatments in early bronze Age Britain: A micro-CT evaluation of bacterial diagenesis in bone to investigate burial practices
12.15 – 13.00	Lunch



BABAO 2025 Timetable



13.00 – 14.00	Annual General Meeting of BABAO (or extended lunch for those not attending)
14.00 – 14.45	SESSION 6b <i>The state of our bones: mortuary practices, taphonomy, and the conundrum of comingling</i> Catherine Roberts et al. 27. Testing the waters: The effect of deposition environment on dental diagenesis Elżbieta Jaskulska 28. Assessing bias in cremated remains deposits: The role of fragmentation and deposit size in skeletal element identification 15 mins for QUESTIONS
14.45 – 15.30	SESSION 7a <i>Marginalisations, childhood, and the life course: Britain through time</i> Katie Erin Faillace et al. 29. Population dynamics and cultural transitions: Using biodistance to investigate social networks and mobility from the Iron Age to Early Medieval period in Wessex, England Elisha Meadows et al. 30. Towards an integrated bioarchaeological perspective on York in the Roman Empire Chris Chinnock et al. 31. Collaboration is key: Analysis of a 5th-7th century cemetery in Northamptonshire
15.30 – 16.00	Break / Poster Session 4 – <i>Insights in the fields of osteoarchaeology and forensics</i>
16.00 – 17.15	SESSION 7b <i>Marginalisations, childhood, and the life course: Britain through time</i> Mackenzie Masters and Jordi Ruiz Ventura, et al. 32. Bioarchaeological insights into a catastrophic population from medieval Leicester Isobel Grimley et al. 33. The price of progress: Childhood frailty in England across the medieval (11 th -15 th centuries) to post-medieval (16 th -19 th centuries) transition Lauren McIntyre et al. 34. "...many would rather die": Osteological evidence for deprivation in post-medieval Hull Sharon Clough et al. 35. Evidence of anatomisation from the 19 th century Bristol Union workhouse cemetery (#63) 15 mins for QUESTIONS
17.15 – 17.30	Closing remarks/ prizes
End of Day 2	



BABAO 2025 Programme Details



Podium Session 1 – *Innovative science in the world of bioarchaeology*

9.15 – 10.30, Friday 19th September

- PODIUM 1** *Variations within the archaeological human bone proteome*
Ragnheiður Diljá Ásmundsdóttir¹, Gaudry Troché¹, Jesper V. Olsen¹, Sarah Schrader², Frido Welker¹
¹University of Copenhagen; ²Leiden University
- PODIUM 2** *Commensal connections: Investigating rat dietary ecology and human-rat interactions in medieval and post-medieval Europe through stable isotope analysis*
¹Alice Rose, Michelle Alexander¹, Eric Guiry², Michelle Feider¹, Sam Greeves¹, David Orton¹
¹University of York; ²Trent University
- PODIUM 3** *Tracing hormonal signatures to reconstruct reproductive histories*
Aimée Barlow¹, Elizabeth Craig-Atkins¹, Katie A. Hemer²
¹University of Sheffield; ²University College London
- PODIUM 4** *Relief, ritual, and smoke: Long-term use of tobacco (*Nicotiana spp.*) on the arid coast of Northern Chile*
Pedro Andrade¹, Claudia Mardones¹, Daniela Nova¹, Lucas Romero¹, Vania Arancibia², Luis Bustamante¹
¹Universidad de Concepcion; ²Independant scholar

Podium Session 2 – *Revelations in age estimations*

11.00 – 12.15, Friday 19th September

- PODIUM 5** *Narrowing age estimation in adult skeletal remains: A new approach with cementochronology*
Valentina Perrone^{1,2}, Sarah Inskip², Ed Schwalbe¹
¹Northumbria University; ²University of Leicester
- PODIUM 6** *Prevalence of directional asymmetry within the acetabulum and its implications for age estimation*
Varsha Warriar¹, Marta San-Millán², Tanuj Kanchan³
¹University of Derby; ²University of Girona; ³All India Institute of Medical Sciences
- PODIUM 7** *Bones in transition: Geometric morphometric insights into subadult shoulder development*
Azahara Salazar Fernández¹, Laura Rodríguez^{1,2}, José Miguel Carretero^{1,3}, Rebeca García-González¹
¹University of Burgos; ²Universidad de León; ³Unidad Asociada de I+D+i al CSIC
- PODIUM 8** *The relevance of the reference sample in acetabular age-at-death estimation: Implications of biological sex and sample size*
Marta San-Millán¹, Varsha Warriar²
¹University of Girona; ²University of Derby



BABAO 2025 Programme Details



Podium Session 3 – *Reflections and forward directions in our field*

13.45 – 15.00, Friday 19th September

- PODIUM 9** *From Race to Population Affinity: Rethinking Language in Forensic Anthropology*
Gemma Craven, Satu Valoriani², Nicholas Márquez-Grant³
¹AOC Archaeology Group; ²Liverpool John Moores University; ³Cranfield University
- PODIUM 10** *Troubling binaries: Sex estimation in bioarchaeological literature*
Taylor Peacock¹
¹University of Cambridge
- PODIUM 11** *Bioarchaeologies of disability: Disabled people's perspectives*
Anna Freed¹
¹University of East Anglia
- PODIUM 12** *Same smoke, different pipe: Educating archaeological discoveries of past tobacco use to school-aged children*
Brian Costello¹, Sarah Inskip¹
¹University of Leicester

Podium Session 4 – *Bioarchaeological narratives, European stories*

15.30 – 17.00, Friday 19th September

- PODIUM 13** *Prevalence of hallux valgus and osteoarthritis in two post-medieval populations from The Netherlands: A shoe problem?*
Allegra Rafaschieri¹, Rachel Schats¹, Maia Casna¹
¹Leiden University
- PODIUM 14** *Peasant living conditions and labour in late medieval Valencia: Bioarchaeological findings from the maqbara of Beniето (13-16th c.)*
Daniela Lorente¹
¹Universitat de Valencia
- PODIUM 15** *Unearthing Sicily's past: A historical and methodological review of bioarchaeological research in Sicily*
Emily May Wales-Ferguson¹, Dario Piombino-Mascali², Kirsty Squires¹
¹University of Staffordshire; ²Vilnius University
- PODIUM 16** *Bonds of doing: Dental modifications and activity markers in early churchyard burials from Gotland, Sweden*
Astrid A. Noterman^{1,2}, Alison Klevnäs¹, Cecilia Ljung¹
¹Uppsala University; ²Centre d'études supérieures de civilisation médiévale (CESM)
- PODIUM 17** *Diet, health, and social inequality in London: A mother-infant perspective (1789-1853CE)*
Jack Eggington^{1,2}, Mary Lewis¹, Gundula Müldner¹, Keir Waddington²
¹University of Reading, ²Cardiff University



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Podium Session 5 – *Detangling disease in humans and animals*

9.00 – 10.15, Saturday 20th September

- PODIUM 18** *From mummies to museum specimens: Potential and preservation of ancient pathogen DNA*
Kerttu Majander¹, Karen Giffin¹, Sofia Paasikivi², Kati Salo³, Risto Väinölä³, Eduard Winter⁴
¹University of Basel; ²University of Turku; ³University of Helsinki; ⁴University of Vienna
- PODIUM 19** *Exploring proteomic analysis as a method for identifying brucellosis in archaeological human skeletons*
Rachael Hall¹, Asaph Kuria², Robert Layfield², Sarah Schrader¹, Barry Shaw²
¹Leiden University; ²University of Nottingham
- PODIUM 20** *Skeletal lesions associated with leprosy in *S. vulgaris* (red squirrel)*
Elliot Elliott¹
¹University of Leicester
- PODIUM 21** *Diving into the accuracy and reliability of four 3D imaging techniques when assessing palaeopathological cases*
Steffi Vassallo^{1,*}, Carlos Eduardo Milho Moreira^{1,2,a}, Anne Malcherek^{1,3}, Manuel F. C. Pereira², Ana Santana^{2,4,5}, Francisca Alves Cardoso¹
¹NOVA University Lisbon; ²University of Lisbon; ³C. M. Porto; ⁴Lusófona University; ⁵University of Trás-os-Montes e Alto Douro
***CONSIDERATION FOR THE STUDENT PRIZE**
- PODIUM 22** *The osteological paradox in medieval leprosy: Who is affected? An osteobiographical analysis of medieval people with leprosy*
Alette Blom¹, Sarah A. Inskip²
¹University of Basel; ²University of Leicester

Podium Session 6a – *The state of our bones: mortuary practices, taphonomy, and the conundrum of comingling*

11.15 – 12.15, Saturday 20th September

- PODIUM 23** *The Winchester Cathedral mortuary chests: Curating the bones of kings?*
Heidi Dawson-Hobbs¹, Kate Robson Brown²
¹University of Winchester; ²University College Dublin
- PODIUM 24** *'Refitting in dry dock': Considering archaeological naval cemetery populations through the commingled and fragmented human remains*
Xander King^{1,*}, Melie Le Roy¹, Gabrielle Delbarre¹, Samuel Rennie¹
¹Bournemouth University
***CONSIDERATION FOR THE STUDENT PRIZE**
- PODIUM 25** *Caring for the dead: Results of archaeoethnological analysis of burials from the early Neolithic of central Europe*
Iseabail Wilks¹
¹University of York



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PODIUM 26 *Mortuary treatments in Early Bronze Age Britain: a micro-CT evaluation of bacterial diagenesis in bone to investigate burial practices*

Haley Goren^{1*}, Paul Garwood¹, Sam Giles¹

¹The University of Birmingham

***CONSIDERATION FOR THE STUDENT PRIZE**

Podium Session 6b – *The state of our bones: mortuary practices, taphonomy, and the conundrum of comingling*

14.00 – 14.45, Saturday 20th September

PODIUM 27 *Testing the waters: The effect of deposition environment on dental diagenesis*

Catherine Roberts¹, Vivienne Heaton¹, Chris Aris¹

¹Keele University

PODIUM 28 *Assessing bias in cremated remains deposits: The role of fragmentation and deposit size in skeletal element identification*

Elżbieta Jaskulska¹

¹University of Warsaw

Podium Session 7a – *Marginalisations, childhood, and the life course: Britain through time*

14.45 – 15.30, Saturday 20th September

PODIUM 29 *Population dynamics and cultural transitions: Using biodistance to investigate social networks and mobility from the Iron Age to Early Medieval period in Wessex, England*

Katie Erin Faillace¹, Richard Madgwick¹, Jacqui Mulville¹

¹Cardiff University

PODIUM 30 *Towards an integrated bioarchaeological perspective on York in the Roman Empire*

Elisha Meadows¹, Michelle Alexander¹, Malin Holst^{1,2}, Christine McDonnell³, Jane Evans⁴, Angela Lamb⁴, Doris Wagner⁴

¹University of York; ²York Osteoarchaeology Ltd; ³York Archaeology; ⁴British Geological Survey

PODIUM 31 *Collaboration is key: Analysis of a 5th-7th century cemetery in Northamptonshire*

Chris Chinnock¹; Sam Leggett²

¹MOLA; ²The University of Edinburgh

Podium Session 7b – *Marginalisations, childhood, and the life course: Britain through time*

16.00 – 17.15, Saturday 20th September

PODIUM 32 *Bioarchaeological insights into a catastrophic population from medieval Leicester*
Mackenzie Masters^{1*} and Jordi Ruiz Ventura^{1,2} Elina Pētersone-Gordina², Stephen Baker³, Mathew Morris³, Malin Holst^{1,2}, Michelle Alexander¹

¹University of York; ²York Osteoarchaeology Ltd; ³University of Leicester Archaeological Services

***CONSIDERATION FOR THE STUDENT PRIZE**

PODIUM 33 *The price of progress: Childhood frailty in England across the medieval (11th-15th centuries) to post-medieval (16th-19th centuries) transition*

Isobel Grimley^{1*}, Hannah Koon¹, Shirley Curtis-Summers¹



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¹University of Bradford

*CONSIDERATION FOR THE STUDENT PRIZE

PODIUM 34 *"...many would rather die": Skeletal evidence for deprivation in post-medieval Hull*
Lauren McIntyre¹, Louise Loe¹, Mark Gibson¹, Stephen Rowland¹, Annsofie Witkin¹,
Noel Hinch², Ellen Kendall², Janet Montgomery², Joanna Moore², Bryony Rogers²,
Sangyu Shen², El Stefani², Aimee Wilkin², Kyriaki Anastasiadou³, Tom Booth³, Jesse
McCabe³, Pontus Skoglund³, Marina Soares de Silva³, Pooja Swali³
¹Oxford Archaeology; ²Durham University; ³The Francis Crick Institute

PODIUM 35 *Evidence of anatomisation from the 19th century Bristol Union Workhouse cemetery*
Sharon Clough¹, Frankie Wildmun¹
¹Cotswold Archaeology

Poster Session 1 – Imaging, digital archaeology, and unusual scientific techniques
10.30 - 11.00, Friday 19th September

POSTER 4 *Investigating Beta-Thalassaemia in micro-CT scans of deciduous teeth*
Elizabeth Garnett^{1,2}, Mary Lewis¹, Hella Eckardt¹, Selina Brace²
¹University of Reading, ²Natural History Museum

*CONSIDERATION FOR THE STUDENT PRIZE

POSTER 5 *Harris lines and their impact on trabecular bone microarchitecture: A microcomputed tomography investigation*
Margarethe Becker¹, Craig Cunningham¹, Rebecca Reid¹
¹University of Dundee

POSTER 10 *The trouble with 'tooth worm': Evidence of rare Anglo-Saxon dentistry of dental caries manipulation*
Charlie Robertson¹
¹Wessex Archaeology

POSTER 21 *Modernising facial reconstruction: Method development for remains with leprosy*
Amy Mercy^{1*}, Charlie Pilbeam-Bailey¹, Cora Cisan¹, Christopher Aris¹
¹Keele University

*CONSIDERATION FOR THE STUDENT PRIZE

POSTER 22 *Optimising the preparation of small flat bone samples for micro-CT*
Charlotte G. Lawrence¹, Mark A. Williams¹, Charlotte Primeau¹
¹University of Warwick

*CONSIDERATION FOR THE STUDENT PRIZE

POSTER 25 *Lend me your ears: Comparing the accuracy of 3D modelling vs. microscopic measurements of ear ossicles*
Jennifer K. Wilburn¹, Katie A. Hemer¹
¹University College London

POSTER 26 *A multi-method approach investigating incudo-malleolar joint fusion arising from a possible traumatic injury*



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Jennifer K. Wilburn¹, Carolyn Rando¹, Garrard Cole¹, Katie A. Hemer¹

¹University College London

- POSTER 27** *Dying to Meet You: Investigating the Paleodemographic Profile of the People of Roman Colchester- a Pilot Study*
Morwen Siân Thomas¹, Mary Lewis¹, Hella Eckardt¹, Glynn Davis², Thomas Delbey³
¹University of Reading; ²Colchester Museum; ³Cranfield University
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 32** *A life cut short: Using an osteobiographical approach to interpret complex and multifactorial pathology in ancient Egyptian mummified children using CT scan technology*
Eleanor Chipp^{1,2}, Mary Lewis¹, Marie Vandenbeusch², Daniel Antoine²
¹University of Reading; ²The British Museum
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 39** *From the mouths of Manx mothers: An introduction to maternal health during the medieval period of the Isle of Man (AD500 – 1500)*
Marie C. Weale¹, Chris Aris², Sarah Kerruish³, Allison Fox¹
¹Manx National Heritage; ²Keele University; ³Independent Researcher
VIRTUAL ONLY
- POSTER 45** *Bone mineral density in human auditory ossicles: An assessment of ossicle mineralisation*
Naomi Kilburn¹, Rebecca L. Gowland¹, Janet Montgomery¹, Darren Gröcke¹, Debbie Wilkinson², Julia Beaumont³
¹Durham University; ²University of Aberdeen; ³University of Bradford
- POSTER 54** *The curious case of the Candia skull: Unravelling the identity of a fossilised legacy-collection human skull using minimally destructive methods*
Miranda Evans¹, Trish Biers¹, Iannis Galanakis¹, Nicholas Rogers¹, Keturah Smithson¹
¹University of Cambridge
- POSTER 57** *Incidence and prevalence of Wormian bones in the human skull*
Grace Godfrey^{1*}, Varsha Warriar¹
¹University of derby
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 66** *From excavation to interpretation: Multidisciplinary approaches to the late medieval cemetery of Cencelle (VT)*
Giulia Casagrande^{1*}, Daniele Ricchiuti¹, Ileana Micarelli¹, Giorgio Manzi¹, Giorgia Maria Annoscia¹
¹Sapienza, University of Rome
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 69** *Cranial morphology as an indicator of kinship in an Egyptian population from the age of pyramid builders*
Tereza Meinerová¹, Jan Cvrček², Veronika Dulíková¹, Petra Brukner Havelková^{1,2}, Ján Dupej¹, Miroslav Bárta¹, Šárka Bejdová¹
¹Charles University; ²Natural History Museum, National Museum in Prague



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POSTER 70 *Not one way to file: Microscopic variation in Viking-Age tooth filing*
Fin Taylor^{1*}, Alison Klevnas^{2,3}, Cecilia Ljung³, Astrid Noterman², Taylor Peacock¹,
Emma Pomeroy¹
¹University of Cambridge; ²Stockholm University; ³Uppsala University
***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 77 *Beyond the 2nd metacarpal: Evaluating radial geometry as an osteoporosis indicator in a documented 19th century population*
Eleana Stathaki^{1*}, Rebecca Gilmour², Sarah Schrader¹
¹Leiden University; ²Mount Royal University
***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 80 *A multimethod approach in trauma investigation*
Milena Grzybowska¹
¹Archaeological Research Services Ltd

Poster Session 2 – Exploring disease and lifestyle in the past
15.00 - 15.30, Friday 19th September

POSTER 2 *Craniofacial asymmetry: Identifying developmental stress in adult skeletons*
Lauren Antle¹
¹University of Sheffield

POSTER 7 *Deciphering disability narratives in 3rd-4th century Roman Irchester*
María Serrano Ruber¹
¹University College Dublin

POSTER 11 *Tracing respiratory health and sociopolitical change at Tombos, Third Cataract (1400–650 BCE)*
Maia Casna¹, Michele R. Buzon², Sarah A. Schrader¹
¹Leiden University; ²Purdue University

POSTER 12 *Winter is coming: Climate change and maxillary sinusitis in the Late Antiquity Little Ice Age*
Leon Corneille-Cowell^{1*}
¹University of York
***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 14 *Osteological presentations of sinusitis in sailors from the British Royal Navy*
Sasha Spencer, Kori Filipek¹
¹University of Derby

POSTER 24 *Metabolic bone health differences in Industrial Period Manchester, North Shields, and Derby, England*
Wade Bittleston^{1,2*}, Kori Filipek², Laurice Fretwell², Claire Hodson¹
¹University of Durham; ²University of Derby
***CONSIDERATION FOR THE STUDENT PRIZE**



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- POSTER 29** *From the vaults: Two uncommon palaeopathological cases from PCA's archives*
James Langthorne¹, Ariadne Schulz¹
¹Pre-Construct Archaeology
- POSTER 33** Preliminary insights into the lived experience of an adolescent with a rare congenital hip anomaly in Romano-British Ircchester
Devyn Caldwell^{1*}, María Serrano Ruber²
¹University of Alberta; ²University College Dublin
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 35** The effects of corsetry on the female skeleton from observations of a 19th century workhouse cemetery population
Frankie Wildmun¹
¹Cotswold Archaeology
- POSTER 40** *Pathology at a second glance: The utility of histological analysis in finding pathology in macroscopically "healthy" bone*
Cora Cisan¹; Chris Aris¹
¹Keele University
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 44** *Demography and health at the 7th–9th century cemetery of the Lincoln Eastern Bypass, Lincoln, UK*
Paola Ponce¹, Katie Keefe^{1,2}, Jordi Ruiz Ventura¹, Mike Wood³, Nigel Cavanagh³, Malin Holst¹
¹York Osteoarchaeology Ltd; ²On-Site Archaeology; ³Network Archaeology
- POSTER 47** *An exploration of two cases of unhealed proximal ulna fractures in skeletons excavated from an early medieval cemetery in Lincoln, UK*
William Wells¹, Paola Ponce¹
¹University of York
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 49** *Bioarchaeological Indicators of Stress and Adaptive Strategies at the Bronze Age Huoshaogou Cemetery, Gansu, China*
Meixu Ye¹, Ziyue Cui²
¹Key Laboratory of Archaeological Sciences and Cultural Heritage of Chinese Academy of Social Sciences, ²University of Chinese Academy of Social Sciences
- POSTER 50** *A child from medieval York with multiple congenital skeletal anomalies: A case study and differential diagnoses*
Elīna Pētersone-Gordina¹, Joshua Stead¹, Paola Ponce¹, Malin Holst¹, Paul Flintoft², Jane McComish², Kate Allenby²
¹York Osteoarchaeology Ltd; ²York Archaeology
- POSTER 52** *Spinal Pathologies from the site of Wad Ben Naga*
Gabriela Vrtalová¹
¹National Museum – Náprstek Museum of Asian, African and American Cultures
VIRTUAL ONLY
- POSTER 53** *Walking their way up the social ladder: Social and gender differences in early Egypt and Nubia through the study of daily mobility*
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Veronica Tamorri^{1,2}, Sarah Schrader²

¹University of Leicester; ²Leiden University

POSTER 55 *Kaasjongens en melkmeisjes: A paleopathological approach to gendered child labour practices in post-medieval Dutch dairy farming*

Alex Tutwiler^{1*}, Rachel Schats¹

¹Universiteit Leiden

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 65 *Diagnosing DISH-order: When ossification won't sit right*

Emma Scott*

¹Wrexham University

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 68 *Ploughs, pews & patterns: Identifying sex-based variations in upper limb activity markers and enthesal changes in the later medieval population of St Saviours Friary Haverfordwest, Pembrokeshire*

Neve Rust¹, Katie Faillace¹, Ciara O'Brien Butler¹

¹Cardiff University

POSTER 74 *A Viking life: Osteobiography of a 9th-11th century individual from Gotland (Sweden, Baltic Sea)*

Celtia Ansemil Mariño¹, Edgard Camarós¹, Irene García Losquiño¹, Taylor Peacock²

¹Universidade de Santiago de Compostela; ²University of Cambridge

Poster Session 3 – Biomolecular analyses in bioarchaeology

10.15 - 10.45, Saturday 20th September

POSTER 1 *The Holocene brown bear (Ursus arctos L.) in Morocco: A study of its diet by ZooMS and isotopic analysis*

Iken Shaymae^{1*}, Aurora María Grandal D'Anglade¹

¹Universidade da Coruña

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 20 *Pilgrims or Islanders? An isotopic analysis of Early Medieval individuals buried on Lindisfarne*

Matthew J. Lee¹, Janet Montgomery¹; Rebecca Gowland¹; Sarah Semple¹; David Petts¹; Darren Gröcke¹; Anwen Caffell¹; Geoffrey Nowell¹; Brendon Wilkins²

¹Durham University; ²DigVentures

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 28 *Exploring diet across the life course: An isotopic study of individuals at the archaeological site of Bulla Regia, Tunisia*

Stephanie Demetriou¹, Alice Di Muro¹, Efthymia Nikita², Maite I. García-Collado¹, Samantha Cox³, Moheddine Chaouali⁴, Corisande Fenwick⁵, Michelle Alexander¹

¹University of York; ²The Cyprus Institute; ³University of Pennsylvania; ⁴Institut National de Patrimoine; ⁵University of London

POSTER 30 *Recommended practices for destructive sampling of human remains in collections: An at-a-glance infographic*



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Trish Biers¹, Jess Thompson², Sarah-Jane Harknett³

¹University of Cambridge; ²National Museums Scotland; ³Museum of Archaeology and Anthropology, Cambridge

Poster 31 *Comparing childhood and adulthood diet in a Viking Age population from Latvia: a pilot study*

Elīna Pētersone-Gordina¹, Guntis Gerhards¹, Antonija Vilcāne¹, Andrew Millard², Joanna Moore², Janet Montgomery²

¹University of Latvia; ²Durham University

POSTER 36 *Investigation of the relationship between diet and physiological stress in two conflict-affected populations from medieval Croatia*

Emma Smith¹, Linda Fibiger¹, Angela Lamb², Kerry Sayle³, Anita Adamić Hadžić⁴, Mario Šlaus⁴, Catriona Pickard¹

¹University of Edinburgh; ²British Geological Survey; ³Scottish Universities Environmental Research Centre; ⁴Croatian Academy of Sciences and Arts

POSTER 41 *Viking Age (750 – 1050 CE) diet on the Island of Gotland*

Isobel Rennie¹, Tamsin O'Connell¹, Taylor Peacock¹

¹University of Cambridge

POSTER 43 *Strontium isotope analyses of cremated bone reveal inter-variation in Early Medieval Transylvania*

Kori Lea Filipek^{1,4}, Tessi Löffelmann^{*2,4}, Katie White-Iribhogbe^{3,4}, Ioan Stanciu⁵, Megan Oliverson⁴, Christophe Snoeck²

¹University of Derby; ²Vrije Universiteit Brussels; ³University of London; ⁴Transylvania Bioarchaeology, UK; ⁵Romanian Institute of Archaeology and Art History

POSTER 48 *Reconstructing mobility patterns in Middle Neolithic France: a multi-proxy approach using strontium isotopes, osteological and funerary evidence*

Bria Milligan^{1*}, Penny Bickle¹, Oliver Craig¹, Rose-Marie Arbogast², Anthony Denaire³, Christian Jeunesse², Alistair Pike⁴, J. Andy Milton⁴

¹University of York; ²University of Strasbourg; ³University of Burgundy; ⁴University of Southampton

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 56 *The invisible smoker: Interdisciplinary approaches for better understanding tobacco-use in seventeenth to nineteenth century England and Netherlands*

Anna Davies-Barrett¹, Sarah Inskip¹

¹University of Leicester

POSTER 58 *Isotopic provenancing of 7 individuals from the Battle of Stoke Field*

Erin Riley¹, Samantha Tipper²

¹University of Cambridge; ²Anglia Ruskin University

VIRTUAL ONLY

POSTER 59 *Reconstructing diet in Early Anglo-Saxon Bishopstone: A carbon and nitrogen isotope analysis*

Joseph Lyne¹, Sophy Charlton¹, Michelle Alexander¹, Paola Ponce¹, Martin Bell²

¹University of York; ²University of Reading

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- POSTER 60** *A Palaeopathological and Biomolecular Case Study on Disease, Diet and Conditions in Roman Britain: Bioarchaeological Insights from Driffield Terrace, York*
Anastasija Radivojevic
¹iCademy Middle East
VIRTUAL ONLY
- POSTER 63** *Bones, Bioarchaeological data and integrated methods: Revisiting burial practices in post-Roman Central Italy*
Micarelli I.¹, Casagrande C.¹, Formichella G.¹, Bernardini S.², Bella E.³, D'Atanasio E.³, Trombetta B.¹, Manzi G.¹
¹Sapienza, University of Rome; ²University of Bologna; ³Consiglio Nazionale delle Ricerche
- POSTER 72** *Dietary insights into the early life Neolithic subsistence practices from the Cotswold-Severn chambered tomb at Thornwell Farm*
Vlada Sosis^{1,*}, Rick J. Schulting¹, Rachel Wood¹, Andrea Czermak¹
University of Oxford
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 73** *Institutionalised lives: Exploring origin and diet of individuals from Blackberry Hill (Bristol), an 18th-/19th-century prisoner of war camp and workhouse, through a multi-isotope analysis*
Antonia Price-Hood¹, Katie Faillace¹, Emily Holt¹, Richard Madgwick¹
¹University of Cardiff
- POSTER 78** *'When in Wales': A multi-isotope analysis into Late Iron Age to Roman transitions in SE Wales*
Ben Watson¹, Katie Faillace¹, Emily Holt¹, Richard Madgwick¹
¹Cardiff University
- POSTER 79** *The echoes of a tooth's time: Incremental dentine analysis of carbon and nitrogen isotopes from leprosy-affected individuals to investigate disease-related metabolic disruption*
Aishani Sukhdeo^{1,*}, Kori Lea Filipek¹, Alette Blom^{2,3}, Sarah Inskip²
¹University of Derby; ²University of Leicester; ³University of Basel
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Poster Session 4 – Insights in the fields of osteoarchaeology and forensics
15.30 -16.00, Saturday 20th September

- POSTER 3** *The origins of animal traction in Britain*
Phoebe Liu¹
¹University of Sheffield
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 6** *Osteological evidence of 'sea legs': An interpretation of bilateral sub-cortical cavitation of the tibial M. Popliteal of a Georgian sailor*
Grace Smithers¹



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¹University of Exeter

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 8 *Skeletons in the closet: The legacy of anatomised remains*

Abigail Leigh-Gilchrist¹, Kori Lea Filipek¹

¹University of Derby

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 9 *Human remains from a newly discovered cave church in Addis Ababa, Ethiopia: Results of the investigation of an extensively disturbed but rare cemetery site*

Katie White-Iribhogbe¹, Harvey Doolan², Mesfin Getie Wondim³, Chalachew Simeneh Tilahun³, Selina Han⁴, Tania Tribe¹

¹SOAS, University of London; ²Jersey Heritage; ³Ethiopian Heritage Authority;

⁴University College London

POSTER 13 *Are we there yet? Comparing osteological sex to chromosomal sex in non-adults*

Madison Robinson^{1*}, Kori Filipek¹

¹University of Derby

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POSTER 15 *Pursuing equity of open access publishing in bioarchaeology*

Bjørn Peare Bartholdy¹

¹Leiden University

POSTER 16 *Palaeoimaging as digital conservation: A case study of a partially mummified individual from Ancient Sudan*

Vasiliki Louka^{1,2}, Anna Davies-Barrett¹

¹University of Leicester; ²Coventry University

POSTER 17 *Where are we with artificial intelligence in forensic anthropology?*

Charlotte Primeau¹

¹University of Warwick

POSTER 18 *Where did it go? Taphonomic staining, the environment and timelines*

Charlotte Loy¹, Amber Collings², Tom Foster¹, Sarah Gosling¹, Vivienne Heaton¹, Beau Herrington¹, Jenny Hillman¹, Luke Hobson¹, Adam Jeffreys¹, Olga Nechyparenka¹, Catherine Roberts¹, Zoe Dombros Ryan¹, Vincenza Siggia¹, Charlene Greenwood¹

¹Keele University; ²University of Central Lancashire

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POSTER 19 *A biocultural exploration of Anglo-Saxon nonadults at Church Walk Cemetery, Hartlepool: A case study*

Caitlin Hendrie¹

¹Macquarie University

***CONSIDERATION FOR THE STUDENT PRIZE**

POSTER 23 *Identifying and tracking scavengers of remains in a forensic context*

Sarina Riechmann^{1*}

¹University of Central Lancashire

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- POSTER 34** *Blackberry Hill, Bristol Union Workhouse cemetery c.1832-1896*
Frankie Wildmun¹, Sharon Clough¹
¹Cotswold Archaeology
- POSTER 37** *The Greek Necropolis of Santa Panagia in Syracuse (6th-5th centuries BC): preliminary archaeological and anthropological results from the 2019 excavation*
Elena Varotto^{1,2}, Elena Flavia Castagnino³, Emanuele Torrisi², Francesco Maria Galassi^{2,4}
¹Flinders University; ²FAPAB Research Center, ³Superintendence of Cultural Heritage of Syracuse; ⁴University of Łódź
VIRTUAL ONLY
- POSTER 38** *Into the trash heap: False alarms and concealed bones in a Sicilian forensic case*
Elena Varotto^{1,2}, Laura Landini¹, Francesco Maria Galassi^{1,3}
¹FAPAB Research Center; ²Flinders University, ³University of Łódź
VIRTUAL ONLY
- POSTER 42** *Mapping out biological distance in Memphite Egypt: Preliminary findings from Saqqara West*
Iwona Kozieradzka-Ogunmakin¹, Nina Maaranen¹
¹University of Warsaw
- POSTER 46** *Echoes of Empire: An anthropological study of Ottoman-Era burials from Constanța*
Andreea Toma¹, Elizabeth Craig-Atkins¹, Mirela Ivanova¹, Gabriel Vasile², Raluca Dobrogeanu²
¹University of Sheffield; ²Institute of Archaeology "Vasile Pârvan"
- POSTER 51** *Biological distance analysis in early medieval Wales: Exploring kinship and post-marital residence*
Ciara O'Brien Butler¹, Alan Lane¹, Richard Madgwick¹
¹Cardiff University
- POSTER 61** *Do you see what I see? Introducing a refined surface preservation recording method for cortical bone*
Emily Zerbe¹, Sophie Newman¹
¹The University of Edinburgh
- POSTER 62** *Queering forensics: Transgender representation in forensic anthropology*
Forest Bird^{1*}, David Errickson¹
¹Cranfield University
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 63** *The economics and politics of Hellenistic Cretan fish species: Parrot fish bones in Palaikastro and Itanos*
Bryan Bin¹
¹Independent Scholar
- POSTER 67** *A Disabled combat soldier: Multiple skeletal anomalies with Klippel-Feil syndrome*
Hyejin Lee¹, Chnagwon Lee¹
¹Ministry of National Defence Agency KIA Recovery & Identification (South Korea)



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- POSTER 71** *Forensic investigation and the discovery of two early-medieval burials*
Dario Innocenti¹, Simonit Francesco¹
¹Università degli Studi di Udine
- POSTER 75** *Shaping the next generation of archaeologists*
Zoe Ui Choileain¹
¹Oxford Archaeology
- POSTER 76** *Archaeothanatological and histotaphonomical analysis of an early medieval Welsh cemetery site*
Georgia Goold-Jones^{1*}, Ciara O'Brien Butler¹, Richard Madgwick¹
¹Cardiff University
***CONSIDERATION FOR THE STUDENT PRIZE**
- POSTER 81** *Assessment of the disarticulated human skeletal remains from the Kent Street Operations Notice, York*
Alex Andrews^{1,2}
¹York Archaeology; ²City of York Council

Workshop Descriptions

WORKSHOP 1: *A practical introduction to Transition Analysis 3*

In-person and online attendance available

Aging is one of the most important steps in developing the biological profile of skeletal remains. Despite this, macroscopic methods often struggle to accurately identify the ages of individuals, particularly those of older age whose changes may be subtle. In the current categorical system, these individuals are classified as one group, allowing for no gradation in later ages. Since the early 2000s, transition analysis, now in its latest iteration: TA3, has aimed to give point age estimates for older individuals.

This workshop, hosted by the original authors of the TA3 method, will provide comprehensive training for participants. The workshop will consist of a full day divided into two sections, giving participants maximum exposure to the new method. The workshop will consist of practical and hybrid aspects. A seminar describing the new method and its practicalities will be offered in a hybrid format via Zoom. A practical workshop, involving the analysis of known-age individuals using TA3, will give in-person participants hands-on learning.

Participant requirements:

- Laptop with downloaded TA3 software (if possible, limited alternative laptops will be provided for in-person attendees)
- Pen/pencil



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WORKSHOP 2: *A gentle introduction to R for bioarchaeologists*

In-person attendance only

This workshop equips (bio)archaeologists with practical skills in R programming, focusing on importing, cleaning, and visualising data. Through hands-on exercises and real-world case studies, participants will gain the confidence to analyse their archaeological datasets. The workshop covers the basics R, so no prior experience is required, making this workshop accessible to all (bio)archaeologists interested in enhancing their quantitative analysis skills.

Participant requirements:

- Laptop
- Downloaded R and RStudio

WORKSHOP 3: *Understanding dental data with R*

In-person attendance only

This workshop will equip you with the ability to clean, visualise, transform, and model dental data (and understand the data through this iterative process) using the R programming language and RStudio.

Participants will get hands-on experience working with real archaeological data, which will be provided for the workshop (you can also bring your own data if you are feeling adventurous). We will cover a variety of data visualisation techniques and basic statistical analysis in R. The basics of R will not be covered, so some prior experience is recommended; but it should still be possible for someone with no prior experience to join, making this course accessible to all osteoarchaeologists interested in enhancing their data analysis skills.

Participant requirements:

- Laptop
- Downloaded R and RStudio

WORKSHOP 4: *Standardising the diagnosis of chronic maxillary sinusitis: A new approach developed by the Bioarchaeology Respiratory Network*

In-person attendance only

The assessment of evidence for maxillary sinusitis in archaeological human remains is becoming a popular topic of publication. Several established criteria are used to score sinusitis in human skeletal remains. However, existing descriptions are often outdated and open to interpretation, raising concerns about the comparability of results across studies. To address this issue, we are developing a new method supported by clearer definitions and stronger clinical foundations.

We would love to have the input of the bioarchaeology community in the final developments of this method. This workshop will provide participants with the opportunity to test this new approach and provide feedback. The session will begin with a brief lecture outlining the revised method.

Participants will receive an handout before a hands-on practical session, where they will apply the method to assess sinusitis in 10–15 skeletal specimens. At the end of the workshop, we will analyse



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the results to evaluate interobserver agreement and gather participant feedback through a short questionnaire assessing the clarity and usefulness of the revised descriptions and visual materials.

Participant requirements:

- None

WORKSHOP 5: *Bone lives: Interpreting human remains through osteobiographies*

In-person attendance only

How do bioarchaeologists reach nuanced social interpretations of human remains? For example, how do we start from disconnected facts about a skeleton and build an osteobiography? This is a central practical skill in bioarchaeology. To build biographical knowledge, we have to choose lines of scientific analysis to prioritise and pursue (often making strategic use of limited resources); contextualise bioarchaeological paperwork in deep archaeological and historical context; foresee and confirm possible relations between biographical facts (for instance, age, risk and activity patterns); think about underlying conceptual issues such as the relation of gender and social age to the body; integrate or disconnect aspects of an individual's experiences such as appearance, illness, foodways, and habitual activities; and, often, liaise with communities outside the academic world. We also have to balance probabilistic inferences and consider different modes of knowledge construction (scientific inference, social interpretation, narrative of various kinds, visual reconstruction) as appropriate for different goals and contexts. Constructing bioarchaeological knowledge of this kind is both deeply theoretical and an exercise in thinking with our hands.

In this practical workshop, we invite participants to a serious but also playful exercise in skills building and critical reflection on constructing osteobiographies. Osteobiographies can provide bottom-up histories, where the body is centred as a plastic and emergent outcome of an individual's experiences, illnesses, foodways, habitual activities and more — and constitutes a locus of social identity, gender ideals, and bodily aesthetics. Osteobiographies can address typical biases stemming from conventional focus on the most richly furnished or textually well-recorded individuals, providing human lives across the social spectrum. However, osteobiographies can also involve questioning tacit assumptions, confronting the limits of interpretation, strategic planning, and ethical implications.

In this workshop, participants are given dossiers of bioarchaeological facts and work to develop osteobiographies for different individuals, strategically using research resources to pursue additional data (in a gamified scenario); based on this, we discuss the value and challenges of osteobiographical methods and story-telling through creative and critical reflection.

Participant requirements:

- We ask participant to the workshop to think about an osteobiography they've encountered in a museum exhibition or in research (we'll circulate a list of some to consider), and think about what makes a successful or effective osteobiography for a particular purpose.