

Paleoanthropology Society

2026 Annual Meeting

Denver

Sheraton Denver Downtown

## Posters

**March 17**

**3:45 -6:00 PM**

### Plaza Exhibit

Auchampach, K.; A. Enny; D. Braun

How mesh size affects the diversity of aquatic faunal fossil assemblages: implications for understanding aquatic diets

Barrera, A.; C. Robinson; C. Martin; A. Hammond

An error study for segmentation of micro-CT scanned tooth roots in Hominids

Bender, S.; D. Braun

Revisiting behavioral Signatures of early Oldowan activity at FxJj50: A geospatial approach

Bisrat Gebreegziabher Araya, B.; B. Redae; L. Courtenay; J.-R. Boisserie; A. Souron

Early hominid carcass access and trophic roles in the Plio-Pleistocene Turkana Depression: Integrating bone surface modification and food web modeling

Brown, K.; J. Cameron; M. Glantz

Geographic Distribution of Dental Traits in Archaic Homo

Caitlin, C; B. Chase; M. Collard; J. Faith; S. Mentzer; J. Pargeter

Micromorphological analysis of early LGM (26-22 cal kBP) deposits at Boomplaas Cave, South Africa: Preliminary results

Carroll, P.; P. Ilaria; C. Tryon

Reconstructing Population Interaction Among Sicily's Earliest Inhabitants

Clark, J. ; G. Hartman; C. Zeigen; A. Kandel; S. Ron

The Middle Paleolithic at Sefunim Cave (Mt. Carmel, Israel): New insights from zooarchaeological and isotopic analyses

Clowes, S.; V. Rainis; D. Braun; S. Hlubik

Investigating combustion on an Early Pleistocene landscape through area/perimeter and length/width ratios of microcharcoals

Clowes, S.; V. Rainis; D. Braun; S. Hlubik

Experimental investigation of combustion features using microcharcoal morphological patterning

Cooper, M.; M. Humphrey; M. Brasil; T. Monson

A comparison of variance-covariance matrices in fossil and extant papionins

Dagher, J.; A. Du; A. Kaplan

Correlating woody cover with Australopithecus presence and relative abundance at eastern African fossil sites

Deweese, K.; M. Glantz; S. Temirbekov

Flat, dry, & full of potential: Rethinking deserts in human evolution

Engberg, D.; D. Braun; M. Douglass; M. Kiptotich; R. Mezgebo; E. Ndiema; A. Rafkin; J. Reeves

Technological variation in the Okote Member in Area 129 of Koobi Fora, Kenya

Fortier, M.; A. Gonzalez Cabellos; R. Kinyanjui; D. Braun; E. Ndiema; S. Hlubik

Exploring hominin landscape scale behavior at FxJj20: phytoliths as an environmental proxy

Friedl, L.; A. Lukova; P. Randolph-Quinney; S. Churchill; J. DeSilva; J. Hawks; L. Berger

Bilateral asymmetry of *H. naledi* femora from the Lesedi Chamber of the Rising Star cave, South Africa

Gallo, G; M.-C. Soulier; J.-J. Hublin

Insights from ZooMS analysis on unidentified faunal remains from the Chatelperronian Layer at Roc de Combe (Lot, SW France)

Gregson, L.; A. Du; J. Faith

Quantifying the degree of size-selectivity in mammal extinctions over the last six million years in the East African Rift System

Hardman, R.; K. Sokolowski; J. Pargeter; J. Faith

Understanding the paleoecology of Boomplaas Cave, South Africa, through bovid mesowear

Hirniak, J.; J. Riel-Salvatore; F. Negrino; C. Gravel-Miguel

Advancing cryptotephra analysis: Volcanic glass detection through AI-assisted microscopy

Hubbard T.; A. Kirkpatrick; A. Villaseñor

The taphonomic effects of characterizing modern ecosystems through game camera data

Jordan, J.; S. Freidline

The phylogeny of orthognathic *Homo*

Khan, Z. M.; D. Stratford; M. Lotter; J. Bradfield

Analysis of downslope mass movement effects on bone fragment microwear: Implications for Earlier Stone Age bone tool identification

Koski, K.; A. Du; A. Bell; A. Norwood; K. Sokolowski; A. McGrath; J. Faith

Linking herbivore traits to selectivity of C3 versus C4 grass consumption: implications for reconstructing southern African paleoenvironments

Lorenzen, A.

Exploitation of animal resources by Mesolithic foragers in the Central Balkans: An archaeozoological analysis of Crvena Stijena, Montenegro

Mashaka, H.; J. Lewis; R. Quinn; I. Patania; R. Kinyanjui; E. Niespolo; A. Du; J. Faith; D. Patterson; C. Tryon; S. Porter; K. Ranhorn

A multi-proxy record of vegetation and climate changes at Kiseso II Rockshelter during the Last Glacial Maximum

Msechu, M; M. McCrossin; B. Benefit; W. Harcourt-Smith  
A preliminary analysis of Kenyapithecus astragali from Maboko, Kenya.

Peyton Carroll, P. ; P. Ilaria; C. Tryon  
Reconstructing population interaction among Sicily's earliest inhabitants

Querenet Onfroy de Breville, I.  
Selection and use of iron-oxide rich coloring materials in the French Pyrenees region: Case study at Isturitz, Gatzarria, and Brassempouy

Rafkin, A.; M. Douglass; J. Reeves; L. Luncz; E. Ndiema; M. Kiprotich  
Lithic attributes in the presence of task driven choices during stone tool production

Schmidt, C.; I. Dori; J. Moggi-Cecchi; V. Sparacello; N. Reynolds  
Patterning of Dental Microwear Textures Among the Epigravettian Individuals from Arene Candide Cave, Liguria, Italy.

Shevalier, S.; D. Braun; E. Ndiema; S. Melaku; F. Forrest; S. Kuo; M. Kelly  
Reconstructing the paleoenvironment of Area 123, Koobi Fora, Kenya

Waweru, J; D. Braun  
The contribution of Information transfer and Individual invention in the production of Oldowan artifacts

### Oral Presentations

**March 17 9:00 – 12:00**

#### Plaza D

9:00 Introduction

9:15 Syedak S; M. Pina; J. Arias-Martorell; D. Alba; S. Almecija; A. Hammond  
A preliminary study of Pierolapithecus catalaunicus phalangeal cortical bone morphology

9:30 Johnson, S.; J. Hawks  
Comparative morphology of proximal phalanx entheses across primates

9:45 Smith, T.; J. Ávila; I. Williams  
New perspectives on oxygen isotopes for human evolutionary biology

10:00 Fish, K.; A. K. Behrensmeyer; D. Braun; A. Barr  
Addressing spatial sampling issues in paleoecological reconstructions: an agent-based modeling approach

10:15 Discussion

10:30 Raskin, L.; W. Lim; J. Li; J. Tseng; M. Šešelj; B. Bitarello; J. Huelsenbeck  
Phylogenetic simulation estimates recovered morphological variation in the hominin fossil record

10:45 Carlson, M.; T. Dogandzic; B. Barrett; N. Zwyns  
An archaeological signature for early tool use: Modeling site formation in nonhuman primates

11:00 McGrath, A., A. Barr; A. Du; K. Koski; A. Norwood; K. Sokolowski;

J. Faith

Changes in carnivore niche overlap during the Late Cenozoic of Eastern Africa

11:15 Norwood, A.; J. Rowan; J. Robinson; A. Du; I. Lazagabaster; J. Faith

Herbivore enamel isotopes suggest dietary niche conservatism in the Eastern African Rift in the last 10 million years

11:30 Wainwright, J.; D. Reed; S. Blumenthal; K. Stewart

Stable isotope ecology of Eastern African small mammals: Implications for reconstruction of hominin environments.

11:45 Discussion

### **March 17 2:00 – 3:45**

2:00 Smith, J.

Physical foundations of chaînes opératoires: An alternative to mental template explanations of Lower Stone Age and Early Paleolithic technologies

2:15 Sillen, A.; C. Dean; V. Balter

Sr/Ca in dental enamel in the context of growth; implications for interpretation of fossil hominin data.

2:30 Sponheimer, M.; C. Wren; O. Paine

Using agent-based models to investigate the *Paranthropus boisei* dietary conundrum

2:45 Hlubik, S.; V. Rainis; M. Fortier; P. Wambugu; P. Eleanor; K. Rahab; T. Ferland; K. Uno; D. Braun

Investigating landscape fire in the Early Pleistocene and its relation to early human activities

3:00 Ranis, V.; S. Hlubik; W. Gosling; D. Braun

Reconstructing Early Pleistocene fire: Insights from morphometric and spectral analysis of charcoals from the Koobi Fora Formation, East Turkana, Kenya

3:15 Johnson, K.; M. Sanz; J. Daura; A. C. Araújo; A. M. Costa; J. Zilhão; D. Cabanes

The use of FTIR grinding curves from modern experimental samples to identify thermal alteration and diagenesis in archaeological bones

3:30 Discussion

### **Poster Session 3:45-6:00**

### **Oral Presentations**

### **March 18 9:00-12:30**

#### **Plaza D**

9:00 Abdolhazadeh, A. J. Murray; K. Ranhorn; A. Barnes; G. Leader; M. Stuckey

How do macroscopic heat alterations relate to lithic artifact size and raw material type: A controlled heat-fracture experiment

9:15 Lazagabaster, I.; K. Lewton; C. Orr; P. Biren; T. Nalley; T. Prang; B. Villmoare; L. Werdelin; K. Reed; A.

Rector

Two Late Pliocene hominin manual phalanges from Ledi-Geraru, Ethiopia: Filling a gap in the origins of modern hand morphology

9:30 Oppenheim, G.; C. Campisano; Y. Haile-Selassie; K. Reed; N. Levin

Local variation in *Australopithecus afarensis* habitat - Insights from the isotopic composition of Bovid teeth

9:45 Smail, I. ; K. Reed; A. Rector

The demise of *Australopithecus afarensis* and the appearance of new species through time in the Lower Awash Valley

10:00 Discussion

10:15 Alemseged, Z.; F. Spoor; D. Reed; A. Barr; D.; G. Geraads; R. Bobe; J. Wynn  
First evidence of *Paranthropus* from Afar, Ethiopia

10:30 Bunn, H.

*Homo erectus*, hunting, and humanness at FLK Zinj: Comparative evidence from older and younger sites

10:45 Du, A.; J. Faith; A. McGrath; K. Chritz; M. Lewis; J. Rowan; A. Barr

Inferring the combined Impacts of *Homo erectus* carnivory and increasing grass biomass on mammalian food webs at Koobi Fora, Kenya

11:00 Harvati, K.; A. Milks; M. Ntinou; S. Koutalis; D. Michailidis; G. Konidaris;

D. Giusti; N. Thompson; G. Tsartsidou; E. Panagopoulou; V. Tourloukis;

P. Karkanas

Earliest hominin use of wooden hand-held tools found At Marathousa-1 (Greece)

11:15 Henrion, J.; J.-J. Hublin; B. Maureille

Late Middle Paleolithic behavioral continuity from Arcy-sur-Cure (Yonne, France) dental remains?

11:30 Fahey, B. P.; J. Hodgkins; M. B. Rose; R. Cowling; J. Franklin; C. Marean; H. Cawthra; S. Bergin; K. Kyriacou; C. Wren

Faunal shifts across the MIS 5 to 4 transition at Pinnacle Point 5-6N (South Coast, South Africa)

11:45 Borges-Ecker, S.; J. Murray; I. Anderies; J. Hirniak; A. Zipkin; C. Marean

A new multi-proxy, non-destructive approach to sourcing silcrete in South Africa

12:00 Sokolowski, K.; L. DeSantis; J. Koehler; K. O'Brien; J. Pargeter; D. Stynder; C.

Tuck; J. Faith

Evaluation of herbivore diets at Boomplaas Cave, South Africa, using dental microwear texture analysis challenges uniformitarian assumptions

12:15 Discussion

**March 18 2:00 – 5:00**

**Plaza D**

2:00 Rose, B.; R. Cowling; F. Janet; C. Marean; H. Cawthra; S. Bergin; P. Fahey; K. Kyriacou; K. Braun; C. Wren

Mapping 424,000 years of vegetation change in the Cape South Coast (South Africa): Implications for early modern humans

2:15 Kyriacou, K.; S. Bergin; R. Cowling; H. Cawthra; P. Fahey; J. Franklin; B. Rose; C. Wren; C. Marean

Middle Stone Age shellfish exploitation strategies at Pinnacle Point Site 5-6N (100-50 ka), Mossel Bay, South Africa

2:30 Keller, H.; P. Kaliba; J. Thompson

Ancient human exploitation of ostrich in Malawi

2:45 Yue Li, Y.; F. D'Errico; L. Geis; P. Kaliba; J. Thompson

Bone tool technologies in the Kasitu Valley, Northern Malawi

3:00 Ambrose, S.

Stylistic diversity in the earliest ostrich eggshell bead manufacture in East Africa

3:15 Behrensmeyer, A. ; J. Faith; I. Crevecoeur; R. Nyaboke Juma; J. Rowan; C. Tryon; D. Gifford-Gonzalez

Later Pleistocene faunal assemblage with unusual hominin cranial remains from Amboseli National Park, Kenya

3:30 Discussion

3:45 Hoffecker, J.

The Peopling of the Western Hemisphere: A population ecology approach

4:00 Tryon, C.; J. Gill; W. F. Murray

The tangible history of Paleolithic Archaeology in the United States: Artifact collections from the American School of Prehistoric Research.

4:15 Daegling, D; J. Brophy; D. de Ruiter

Median Axis Approaches to Paleotaxonomy

4:30 Discussion

4:45 Business Meeting