

Paleoanthropology Society  
2025 Annual Meeting  
Denver  
Sheraton Denver Downtown

**Posters**

**April 22**

**4:00 -6:00**

**Governor's Square 14 Foyer**

Jeremy A. Beller, Karen L. van Kiekerk, Mostafa Fayek, Pieter-Jan Gragbe, Simon J. Armitage, Christopher S. Henshilwood  
Forager mobility during the Middle Stone Age at Blombos Cave, South Africa

Miriam Belmaker, April  
Nowell  
Abiotic effects on skeletal and dental maturation rates in human evolution

Milena Carvalho, Cristina Real, Anna Rufa , Jonathan  
Haws  
Rabbit exploitation in the Middle Paleolithic: Insights from experimental archaeology applied to the Level JJ faunal assemblage from Lapa do Picareiro, Portugal

Adela Cebeiro, Isabelle Iturrate, Asithandile Ntsondwa, Metin Eren, Michelle Beber, Briggs Buchanan, Justin Pargeter  
What does controlled bipolar lithic reduction look like? An exploratory experiment

Jessica Castano, Jessica Castano, Guangmao Xie, Yanbo Song, Miriam Belmaker  
Late Pleistocene Guangxi: A paleoecological analysis based on primate genus-level data

Jamie L Clark, Gideon Hartman, Andrew W. Kandel, Ron  
Shimelmitz  
The Upper Paleolithic and Epipaleolithic fauna from Sefunim Cave (Mt. Carmel, Israel): New insights from the ungulate assemblage

David J. Daegling, Henna D. Bhramdat  
Variability selection in human evolution: versatile allele success in discrete and temporally unpredictable environments

Jenna Dagher, Elliot  
Greiner  
Variation in white-tailed and mule deer dental metrics is associated with precipitation gradients in the Americas

Hilary Duke, Jennifer Parkinson, Scott Blumenthal, Joel Saylor, Chris  
Ssebuyungo  
Renewed archaeological explorations in the Nyabusosi Formation of the Albertine Rift, Western Uganda.

Gerrit Dusseldorp, Mick van Harderwijk, Morgan Roussel, Alessandro Alea  
Experimental tests of different hafting configurations for backed segments as arrowheads

Metin I. Eren, Stephen J. Lycett, Michelle R. Bebbler, Alastair Key, Briggs Buchanan, Joseph Benson, Rebecca Biermann Garba, Adela Cebeiro, Emma Finestone, Roman Garba, Anne Grunow,

C. Owen Lovejoy, Danielle MacDonald, Erica Maletic, G. Logan Miller, Joseph D. Ortiz, Jonathan Paige, Justin Pargeter, Tomos Proffitt, Mary Ann Raghanti, Teal Riley, Jeffrey I. Rose, David M. Singer, Robert S. Walker  
An origin of hominin stone knapping via the emulation of mother nature

Erin Gniewek, Michael  
Pante

Are human tooth marks truly unique?: A 3-D comparison of human and carnivore tooth induced bone surface modifications

Andrea L. Gonzalez Cabellos, Madison Fortier, Rahab Kinyanjui, David R. Braun, Victoria Rainis, Emmanuel K. Ndiema, Sarah K.

Hlubik

Exploring the landscape and hominin behavior at FxJ20 using phytolith and microscopic charcoal analysis

Isabel Heslin, Jessica C. Thompson, David  
Raubenheimer

Bigger is not better: Unexpected relationship between prey body size and macronutrient composition in East African mammals

Tara E. Hobbs, Biren A. Patel, Caley M.  
Orr

Variation in manual phalangeal curvature across sex and digit in Western Gorillas (*Gorilla gorilla*) versus Eastern Gorillas (*Gorilla beringei*)

Kai Jones, Tristan Cope, Maddy Hull, Alyssa Enny, David R.  
Braun

Zooarchaeological and taphonomic analysis of aquatic faunal assemblages in the Koobi Fora Formation

Seiji Kadowaki, Toru Tamura, Risako Kida, Kazuhiro Tsukada, Eiki Suga, Miriam Belmaker, Masato Hirose, Hitoshi Hasegawa, Jianjie Yin, Sate

Massadeh

Middle-to-Upper Paleolithic cultural transition in southern Jordan: a view from the western Hisma area

Krystal Koski, Alexandra Norwood, Madeleine Kelly, Silindokuhle Mavuso, Frances Forrest, David R Braun, J Tyler Faith

Balancing the scale: Examining the environmental implications of taxonomic abundance and herbivore enamel values across space and time

Amanda C. Leiss, Michael J. Rogers, Sileshi  
Semaw

Paleoenvironmental reconstructions of Gona, Ethiopia, between 3-1 Mya: Evidence from faunal community analysis

Yue Li, Francesco D'Errico, Lila Geis, Potiphar Menaheim Kaliba, Jessica C. Thompson  
Bone tool technologies in the Kasitu Valley, Northern Malawi

Nasser R. Malit, Francis M. Kirera, Veronica Waweru, Alexandra Sveshnikova, Daniel P. Miggin, Jillani Ngalla, Christine Omuombo, Rahab Kinyanjui, Aryeh  
Grossman,

Francis N. Muchemi, Lorna N. Chege, John Mwangi, Richard

Kinyua

An assessment of stature and ecogeographic profile of human remains from a Medieval burial in the Central Highlands of Kenya

Sarah Manassee, Jamie Hodgkins, Caley

Orr

Zooarchaeology and paleoenvironmental reconstruction of archaeological levels at Arma Veirana Cave, Italy

Nicole Marin, Eimy Fernanda Gonzalez Alvarez, David R. Braun, Emmanuel Ndiema, Frances

Forrest

Indications of bovid mortality profiles from FwJj80 in Area 8A Koobi Fora

Casey Nielsen, Allison Wolfe, Jayson Gill

Differential effects of end-Pleistocene climate change and early humans on megafaunal spatial distribution in the American Southwest

Ioannis Oikonomou, Delphine Vettese, Artur Petrosyan, Theodoros Karampaglidis, Ariel Malinsky-

Buller

Site formation processes and diagenetic pathways through the geoarchaeological study of bone remains

Caley M. Orr, Stephanie E. Baker, Tara E. Hobbs, A.B. Leece, Jesse M. Martin, Biren A. Patel, Thomas C. Prang,

Matthew W. Tocheri, Gary T. Schwartz, David S. Strait, Andy I.R. Herries

Functional morphology of ~2.0 million-year-old hominin hand and foot remains from Drimolen Main Quarry, South Africa

Isabell Osborne, Trevor Keevil, Michael Pante

A Quantitative Analysis of Homotherium Serum tooth marks

Joshua J. Porter, John Samuelsen, Celina Suarez, Adriana Potra, Amelia

Villasenor

Serially sampled carbon, oxygen, and strontium enamel isotopes of Late Pleistocene Mammuthus and Bison from Central Texas

Nick Diego Rosas, Kaitlin Sennewald, W. Andrew

Barr

Body mass estimates of Fort Ternan artiodactyls (Middle Miocene, Kenya) using long bones

Benjamin Schoville, Alexander Blackwood, Precious Chiwara-Maenzanise, Mathieu Duval, Irene Esteban, Luke

Gliganic, Kelly Kirsten, Robyn Pickering, Jayne

Wilkins

An in situ, open-air Acheulean occupation in the southern Kalahari Desert, South Africa

Kathryn Sokolowski, Juniper Koehler, Auriana Dunn, Larisa DeSantis, Justin Pargeter, J. Tyler

Faith

Reconstructing herbivore diet and rainfall seasonality using dental microwear: Implications for Stone Age foragers on the southern Cape, South Africa

Madeleine Witherel

The context of butchery across cultures: Analysis of overlaps between evidence and preservation

## Oral Presentations

**April 22 9:00 – 12:15**

**Govener's Square 14**

9:00 Introduction

9:15 Emily Coco, Benjamin Davies, Jessica C. Thompson

Low-cost niche construction can create conditions for subdivided populations without socially imposed boundaries

9:30 Michael Ben-Dor

Refining Analogies in Paleolithic Research: A Critical Examination of Contemporary Comparisons

19:45 Kathryn Fish, A. K. Behrensmeyer, David R. Braun, W. Andrew Barr

How well does herbivore relative abundance reflect vegetation types on the landscape? An approach using agent-based modeling

10:00 Radu Iovita, Jing Zhang, Alan Hu, Andrea Wong, Chenmeinian Guo, Sara Borsodi, Felix Kisen, Danielle Macdonald, Chen

Feng

Computer vision-aided identification of worked materials from lithic use wear polish on chert

10:15 Discussion

10:30 Kyle Joseph Pontieri

A Comparative Analysis of *C. crocuta* and *H. hyaena* Chewing from Two East African Assemblages

10:45 Trevor Keevil, April Tolley, Erin Gniewek, Tewabe Negash, Isabell Osborne, Alex Pelissero, Rachel Winter, Michael

Pante

Context is bone deep: A quantitative analysis of experimentally generated bone surface modifications with applications for developing an open source and collaborative taphonomic database

11:00 Tewabe Negash, Edward W. Herrmann, Connie D. Fellmann, Alex Pelissero, Michael C. Pante

Distinguishing bone retoucher marks from other bone surface modifications

11:15 Reed Coil

The Effects of Carnivore Diversity on Scavenging Opportunities and Hominin Range Expansion during Out of Africa

11:30 Scott Blumenthal, Jennifer Parkinson, Hilary Duke, Joel Saylor, Chris Ssebuyungu

Paleoanthropological and paleoecological investigations in Albertine Rift, western Uganda

11:45 Discussion

**April 22 2:00 4:00**

2:00 Alyssa McGrath, W. Andrew Barr, Andrew Du, Margaret Lewis, J. Tyler Faith

Functional traits predict predator-prey relationships in African mammals

2:15 David Nora, João Marreiros, Jordi Marc Noguea, Thomas A. Paschel, Artur Petrosyan, Boris Gasparyan, Ariel Malinsky-

Buller

Virtual Edges: Finite Element Analysis (FEA) insights from the Late Lower Paleolithic (LLP) lithic assemblage from Dalarik 1 Cave

2:30 Alex J Pelissero, Edward W. Herrmann, Jackson K. Njau, John A. Mturi, Tewabe Negash, Danielle Peltier, Michael

Pante

Changes in hominin land-use through the Oldowan to Acheulean transition at Olduvai Gorge, Tanzania

2:45 Ran Barkai, Muataz Shalata

Lower Paleolithic tools of potency: Handaxes shaped around fossils and other extraordinary features at Sakhnin valley, Israel

3:00 Eslem Ben Arous

The contribution of the ESR dating and its implication for the human evolution in Western Africa

3:15 Sara Watson

Silcrete use and heat treatment in the Middle Stone Age at Nelson Bay Cave, South Africa

3:30 Discussion

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

### **Oral Presentations**

**April 23 8:30-12:30**

**Govener's Square 14**

8:30 Zeljko Rezek, Pedro Horta, Laurent Bruxelles, Benjamin Davies, Mohamed A. Hamdan

Human landscape use during the Middle Stone Age of northeast Africa: New research in Wadi El-Hudi southeast of Aswan, Egypt

8:45 Ron Shimelmitz, Steven, L. Kuhn, David Friesem, Mina Weinstein-Evron

The dynamic character of the Early Middle Paleolithic at Tabun Cave and its Implications for hominin dispersal and interaction in the Southern Levant

9:00 Marion Prevost

Ancient collection, fresh insights: Revisiting the lithic technologies at the Middle Paleolithic Nahr Ibrahim Cave, Lebanon

9:15 Yossi Zaidner, Marion Pravost, Ruth Shahack-Gross, Reuven Yeshurun, Lior Weissbrod, Naomi Porat, Norbert Mercier, Asmodae Galy, Haia Valladas, Amos Frumkin, David Gaitero-

Santos,

Sapir Ben-Haim, Antonella Perdergnana, Dafna Langgut, Onn Crouvi, Christophe Pacheyran, Sarah Borgel, Rachel Sarig, Hila May, Israel

HersHKovitz

Behavioural uniformity across Homo groups in the Levantine mid-Middle Palaeolithic: New evidence from TinsHemet Cave, Israel

9:30 David Gaitero-Santos, Yossi Zaidner

One color to rule them all: Heated and natural red ochres 100,000 years ago at TinsHemet Cave, Israel

9:45 Chen Zeigen, Erella Hovers, Alex Brittingham, Michael P. Richards, Michael T. Hren, Rivka Rabinovich, Gideon Hartman

Isotopic evidence speaks to Neanderthal behavioral resilience in the southern Levant

10:00 Discussion

10:15 Jayson P. Gill, Jennifer E. Sherriff, Tanner Z. Kovach, Hayk Haydosyan, Kathleen Rodrigues, Johan Jarl, Keith N. Wilkinson, Boris Gasparyan, Daniel S.

Adler

Pleistocene behavioral landscapes of Northern Armenia Project

10:30 Ariel Malinsky Buller, Artur Petrosyan, David Nora, Ioannis Oikonomou, Kaja Fen, Ellery Frahm, Delphine Vettese, Hripsime Gevorgyan, Sebastian Nomade, Boris Gasparyan, Karampaglidis Theodoros  
Same road different path - the Lower to Middle Paleolithic transition(s) in S-W Asia as seen from the new excavations at Dalarik-1, Armenia

10:45 Daniel S. Adler, Ethel Allua, Simon Blockley, Alex Brittingham, Ellery Frahm, Boris Gasparyan, Jayson P. Gill, Phil Glauberman, Thomas F.G. Higham, Johan Jarl, Tanner Z. Kovach, Carolina Mallo,

Yannick Raczynski-Henk, Ivajn Rey Rodriguez, Jennifer E. Sherriff, Victoria Smith, Naihui Wang, Lior Weissbrod, Keith N. Wilkinson, Reuven Yeshurun

Recent discoveries at Lusakert-1, a Late Middle Palaeolithic Rockshelter in the Armenian Highlands

11:00 John F Hoffecker, Vadim Stepanchuk, Ruslan Koropetskyi, John R Southon  
Who made the late Stage 3 Levallois industry in Eastern Europe?

11:15 Jessica C. Thompson, Justin Pargeter, Alex Bertacchi, Hannah Keller, Brieuc Kaesmann, Yue Li, Ruoyang Tu, Lillian Rakas Jackson, Xiaozheng Shang, Alyssa Enny, Jennifer Miller, Stanley H. Ambrose, Potiphar Kaliba

New Late Pleistocene records of hunter-gatherer behavior and environments in the Kasitu Valley of northern Malawi

11:30 Stanley Ambrose, Jessica Thompson, Andrew Zipkin, Alex Bertacchi, Potiphar Kaliba  
Reconstructing hunter-gatherer post-marital residence patterns at Hora, Malawi with strontium isotope analysis of pre- and post-weaning molar tooth enamel

11:45 Norwood Alexandra L. Norwood, Joshua R. Robinson, Brian A. Stewart  
Local habitat heterogeneity characterized the southern African Middle to Later Stone Age transition: Introducing generalized additive mixed models to carbon isotope paleoecology

12:00 Hannah May Keller, Francesco d'Errico, Alain Queffelec  
Multiproxy analysis of ethnographic ostrich eggshell (OES) dancing rattles: Identifying criteria for inferring musical accompaniment and dance in prehistory

12:15 Discussion

#### **April 23 2:00 – 6:00**

2:00 Christian A. Tryon, Alice Leplongeon, Veerle Rots, Guilhem Mauraan, Iris Querenet Onfroy de Breville, Els Cornelissen

The Late Glacial record of Munyama Cave (Uganda)

2:15 Kayla B. Worthey, Philippe Fernandez, Elaine Turner, Teresa E. Steele, Louise Humphrey, R. Nick E. Barton, Jean-Jacques Hublin, Abdeljalil

Bouzouggar

Environmental change and forager land-use in the Later Stone Age of Taforalta and Rhafas Caves, Morocco, as inferred from carbon isotopes in ungulate tooth enamel

2:30 Armando Falcucci, Steven L. Kuhn

An Eastern Mirage? A quantitative evaluation of the technological affinities between early Ahmarian and Protoaurignacian

2:45 Reuven Yeshurun, Ma'ayan Lev, Mina Weinstein-Evron

A Malthusian-like demographic cycle at Natufian el-Wad, Mount Carmel, Israel

3:00 Wei Chu, Pavlo Shydlovskiy, Andreas Maier

Revised chronology of a Late Upper Palaeolithic mammoth bone structure at Mezhyrich, Ukraine

3:15 Kari Prassack, Briana Pobiner, Jennifer Parkinson, Martina Roblakovi, Martina Lajzniakovaj, Mietje Germonpra

Reindeer taphonomy and the role of canids at the purported early dog domestication site of Predmosti, Czech Republic

3:30 Discussion

3:45 Jonathan Haws

The persistence of the Ebro Frontier model and the Middle to Upper Paleolithic transition in Iberia

4:00 April Nowell, Mary E. Lewis, Jennifer C. French, Elena Rossoni-Notter, Olivier Notter, Abdelkader Moussous, Francesco Boschini, Stefano

Ricci

The secret lives of Paleolithic teens: Assessing puberty status in a sample of European Upper Paleolithic adolescents

4:15 Melanie Beasley, Julie Lesnik, John Speth

So full of maggots: Insights on diet reconstruction from stable nitrogen isotopes of maggots

4:30 Discussion

4:45 Business Meeting