

# Paleoanthropology Society 2022 Annual Meeting March 22 and 23 Sheraton Denver Downtown Hotel

## Program

### POSTERS

#### **Tuesday March 22: 4:00 – 6:00**

Ellie Berg, Ashley S. Hammond, Anna G. Warrener, Mary Shirley Mitchell, Stephanie E. Baker, Andy I.R. Herries, David S. Strait, Caley M. Orr

Further morphological assessment of a partial hominin pelvis (DNH 43) from the site of Drimolen, South Africa

Marlena Billings, Giulia Gallo

Shape and size variability in Upper Paleolithic Magdalenian rondelles: Dimensions of interaction and implications for different production sequences

Iris Querenet Onfroy de Breville, Helene Salomon

A reflection on use-wear analysis of abraded ochre

Jamie L. Clark, Lucinda Backwell, Francesco d'Errico, Dominic Stratford, Lyn Wadley

Middle and Later Stone Age Faunal Remains from the Renewed Excavations at Border Cave (KwaZulu-Natal, South Africa): Preliminary Results

Ekaterina Doronicheva, Kostina Yulia, Galina Poplevko, Elena Revina

A comprehensive analysis of use-wear traces and organic residues on Middle Paleolithic artifacts from Saradj-Chuko Grotto, Northern Caucasus, Russia.

Andrew Du, Eric Friedlander, J. Tyler Faith

Evaluating a commonly used method for placing confidence intervals on the ends of hominin temporal ranges.

Charles P. Egeland, Ryan M. Byerly, Cynthia M. Fadem, Alaz D. Peker

Neotaphonomy of a landscape bone assemblage in the Ngorongoro Conservation Area, Tanzania

Alyssa Enny, Jessica C. Thompson, Potiphar Kaliba

A taphonomic study of tortoise remains from the Later Stone Age (LSA) in the Kasitu Valley, Malawi

Alexandru Hajdu, Kaplan Robert

The Roof Has Fallen: An Actualistic Experiment to Characterize The Taphonomic Signature of Roof Fall

Katharine Horton, Michelle Glantz

Landscape connectivity and hominin movement in late Pleistocene Central Asia

Hannah M Keller, Jessica C. Thompson, David Rafael McCormick Alcorta, Nishi Singh, Potiphar Kaliba

Ostrich eggshell and giant land snail: food, ornaments, and environmental indicators in the Late

Pleistocene and Early Holocene of Malawi

Tanner Z. Kovach, Yannick Raczynski-Henk, Ellery Frahm, Jayson P. Gill, Keith N. Wilkinson, Artur

Petrosyan, Boris Gasparyan, Daniel S. Adler

Preliminary Lithic Technological Analysis of Solak-1, an Open-air Upper Paleolithic site in the Armenian Highlands

Thomas W LaBarge, Jackson K Njau

Technical Considerations for Observing, Documenting and Interpreting Feeding Traces in the Fossil Record

Cheng Liu, Michael Rogers, Sileshi Semaw

A first look at the LSA lithic assemblage of KLT-1 (Gona, Ethiopia)

Enquye Negash, W. Andrew Barr

Landscape level vegetation study in modern African ecosystems: Implications for Hominin Environments.

Tewabe Negash, Mulugeta Feseha, Ignacio A Lazagabaster, Jessica Thompson

Reconstructing the paleohabitat of Pliocene Hadar hominin using bone surface modification analysis

Alexandra L. Norwood, Brian A. Stewart, Yuchao Zhao, John Kingston

Serial sampled equid enamel as a window on final Middle Stone Age seasonality at Sehonghong Rockshelter, highland Lesotho

Kaedan O'Brien, Nicholas Hebdon, J. Tyler Faith

Is *Paranthropus boisei* an environmental specialist compared to early *Homo*? Evaluating faunal evidence from the Koobi Fora Formation, Kenya

Denise F. Su, Kaye E. Reed, Maryse D. Beirnat, Eunice F. Lalunio, Yemane G. Tsige, Kailee Bow, Ruth

Brenton, Madeleine Oricchio, Jacob Robbins, Susan Zamora

A Multiproxy Paleoecological Comparison of 2.8 Ma Hominin Sites

## ORAL PRESENTATIONS

**Tuesday, March 22: 9:00 – 12:15**

### **Plaza D**

9:00 Introduction

9:15 George E. Konidaris, Athanassios Athanassiou, Eleni Panagopoulou, Panagiotis Karkanis, Katerina Harvati

Fossil macaque (Cercopithecidae, Primates) specimens from the Megalopolis basin Middle Pleistocene deposits, Greece

9:30 Denné Reed, Emily Raney, and Jyhreh Johnson

Taming Nomenclature in Paleoanthropology

9:45 Julien Riel-Salvatore, Lydia Pyne

By Any Other Name: Historical & Contemporary Trends in Fossil Hominin Nicknames

10:00 Alex Bertacchi, Andrew M. Zipkin

Trace element concentrations as screening tools for detecting diagenesis in archaeological hard tissue

10:15 Discussion

10:30 Giulia T Gallo, Mareike Stahlschmidt

Long durations and low temperatures: detection of prolonged heating in experimentally burnt bone exposed to air

10:45 Christa D Kelly, Lucas K Delezene

Correlated responses or divergent evolution: Perspectives on hominin canine evolution

11:00 David J. Daegling

Osteogenic potential of activity patterns and robusticity of the hominin skeleton

11:15 Kathryn Sokolowski, Brian Coddling, Andrew Du, J. Tyler Faith

Environmental change and hominin evolution: building stronger links through understanding the environmental tolerances of present-day African mammals

11:30 John F. Hoffecker, Ian T. Hoffecker

Measuring the computational complexity of artifact design in Paleolithic archaeology

11:45 Discussion

**Tuesday March 22: 2:00 – 3:45**

## Plaza D

2:00 Amelia Villasenor, Kevin Uno, Rahab Kinyanjui, Anna K. Behrensmeyer, Renee Bobe, Eldert Advokaat, Marion Bamford, Susana Carvalho, Ashley S. Hammond, Dan V. Palcu, Mark Sier, Carol V. Ward, David R. Braun

Multiproxy analyses indicate that new middle Pliocene hominin fossils from East Turkana are associated with grassy woodlands amid regional and temporal shifts in aridity

2:15 Daniel R. Green, Gerard Olack, Tanya M. Smith, Ian S. Williams, Jason E. Lewis, Sonia Harmand, Kevin T. Uno, Albert S. Colman

Seasonal carbon and oxygen isotope compositions from Lomekwi in the Turkana Basin, Kenya

2:30 Amanda C Leiss, Sileshi Semaw, Michael J. Rogers, Naomi Levin

Paleoenvironmental reconstruction of Gona, Ethiopia between ~3-1 Ma using stable carbon and oxygen isotopes

2:45 Danielle M. Peltier, Jackson K. Njau

Tectonics and vertebrate diversity patterns at Olduvai gorge, Tanzania

3:00 Michale Pante, Ignacio de la Torre, Francesco d'Errico, Jackson Njau, Robert Blumenshine

Bone tools from Beds II-IV, Olduvai Gorge, Tanzania, and implications for the origins and evolution of bone technology

3:15 Discussion

## Poster Session 3:30 – 6:00

### Wednesday March 23: 9:00 – 12:15

#### Plaza D

9:00 Weldeyared H. Reda, Philipp Gunz, Zeresenay Alemseged

Facial ontogeny in *Australopithecus afarensis*: interpreting variation and its implication for early hominins phylogeny

9:15 Marc R. Meyer, Jason P. Jung, Jeffrey K. Spear, Isabella Fx, Araiza, Scott A. Williams

Terrestrial signal in the forelimb of OH 36 (*Paranthropus*) and TM-266 (*Sahelanthropus*) questions their bipedal status

9:30 Julia Aramendi, Paul O'Higgins, Antonio Profico, Diego González-Aguilera, Enrique Baquedano, Manuel Domínguez-Rodrigo

Evidence for bipedal locomotor diversity in the Plio-Pleistocene from external femoral diaphyseal morphology

9:45 John Yellen and Alison S. Brooks

Origins of the Middle Stone Age: Potential Insight from the Olorgesailie Kenya Paleolake Basin

10:00 Yossi Zaidner, Marion Prevost, Reuven Yeshurun, Naomi Porat, Norbert Mercier, Helene Valladas, Hila May, Rachel Sarig, Israel Hershkovitz

10:15 Discussion

10:30 Nick Blegen, J. Tyler Faith, Alison Mant-Melville  
Tephrostratigraphy and archaeology in the Nyanza Rift, Kenya

10:45 Liubov Golovanova, Yulia Kostina, Vladimir Doronichev  
Application of adhesives and paints in the Middle and Upper Paleolithic  
(based on materials from Mezmaiskaya cave, Russia)

11:00 Sarah E. Freidline, Inga Bergmann, Philipp Gunz, Alexandra Schuh, Hajar Alichane, Aicha Oujaa, Fatima Zohra Sbihi-Alaoui, Mohamed El Hajraoui, Jean-Jacques Hublin

11:15 Zeljko Rezek, Tobias Lauer, Zenobia Jacobs, Mareike Stahlschmidt, Detlev Degering, Helen Fewlass, Jean-Jacques Hublin, Matthias Meyer, Sarah Pederzani, Robert Power, Geoff M. Smith, Dustin White, Abdullah Rawashdeh, Mohammed Dabain  
New excavations of the rockshelter of Ain Difla in Jordan and the regional Initial Upper Paleolithic

11:15 Christian A. Tryon, Alejandra Ortiz, Shara E. Bailey  
Lost and found: New descriptions of Upper Paleolithic humans from Ksar Akil, Lebanon

11:30 Alex Gregory, Justin Pargeter  
Modeling Stone Tool Raw Material Procurement around Sehonghong Rockshelter in the Eastern Lesotho Highlands

11:45 Discussion

## **Wednesday March 23: 2:00 – 4:00**

### **Plaza D**

2:00 Tanya M. Smith, Christine Austin, Janaina Avila, Daniel R. Green, Manish Arora  
Developmentally-informed assessments of diagenesis in teeth

2:15 Jayson P. Gill, Tanner Z. Kovach  
Passive Loss or Adaptive Simplification? An Optimal Transmission Framework for Investigating Lithic Technological Change

2:30 Jonathan Paige, Charles Perreault  
Evaluating the reliability of lithic technology for detecting prehistoric migrations

2:45 Caleb Chen, Luis Flores-Blanco, Randall Haas  
Why Did Projectile-Point Size Increase in the Andean Altiplano Archaic? An Experimental Atlatl Analysis

3:00 Joshua Porter, John Samuelsen, Celina Suarez, Adrianna Potra, Amelia Villasenor  
Reconstructing Late Pleistocene Bison and Mammoth ecology in Texas using stable isotopes

3:15 Discussion

3:30 Business meeting