

## SUNDAY, September, 21<sup>st</sup>

REGISTRATION. Centro de Congresos & Exposiciones San Rafael.

15:00 hs.-19:00hs.

## MONDAY, September, 22<sup>nd</sup>

**Session 32 "THE PROSPECTS AND CHALLENGES OF FAUNAL DATA INTEGRATION AND COMPARATIVE ANALYSIS"; Organizer: Katherine Spielmann. Sala Chañares A.**

14:30 hs. 139- Kintigh, K.; Spielmann, K. *Large Scale Faunal Synthesis Using tDAR: the Digital Archaeological Record.*

14:50 hs. 177- Clark, T. *Developing a Protocol to Assess Taphonomic Comparability in Regional Datasets.*

15:10 hs. 249- Clark, T. *Evaluating Contextual Variability in Regional Faunal Studies.*

15:30 hs. 073- Spielmann, K. *Faunal Resource Depression and Turkey Intensification in the North American Southwest.*

15:50 hs. 156- Neusius, S.; Styles, B. *The Eastern Archaic Faunal Working Group: Extending Collaboration and Data Integration to the Interior North American Eastern Woodlands.*

**Session 24 "CLIMATE CHANGE, MARINE PRODUCTIVITY, AND HUMAN-BASED ECOSYSTEMS: CONTRASTING SUB-ARCTIC AND SUB-ANTARCTIC HISTORICAL MARINESCAPES"; Organizers: Herbert Maschner, Luis Borrero, Matthew Betts and Nicole Misarti. Sala Chañares B.**

14:30 hs. 298- Maschner, H.; Benson, B.; Betts, M.; Holmer, N.; Misarti, N.; Tews, A. *The Zooarchaeology of Sanak Island, Alaska: Sea Lions, Climate, and Cod Explain a 5000 Year History.*

14:50 hs. 135- Houmard, C. *The evolution of cultural and technological choices in the osseous tool-kit around the Foxe Basin, from Pre-Dorset to Thule culture.*

15:10 hs. 322- Monks, G.; Kenward, T.; Knapp, M.; Thomas, J. *A Northern Fur Seal Breeding Site on Canada's West Coast?*

15:30 hs. 433- Hambrecht, G.; Perdikaris, S.; Brewington, S.; Feeley, F.; Hicks, M.; McGovern, T. *NABO (North Atlantic Biocultural Organization) Archaeological investigations of the Eastern North Atlantic Fisheries.*

15:50 hs. 453- Etnier, M.; Fitzhugh, B.; Finney, B.; Hiron, A. *Archaeofaunas from the Kuril Islands, Russia, and their utility in understanding the effects of climate change on marine ecosystems in the Late Holocene.*

16:10 hs. 373- Harrison, R. *From Early Icelandic Fisheries to North Atlantic Enterprise Long-term Investigations of Marine Economy in Eyjafjord, Iceland.*

16:50 hs. 375- Smiarowski, K. *Half a Millennium of Marine Resource Use by Farming Hunters in Medieval Norse Greenland.*

17:10 hs. 239- Misarti, N.; Borrero, L.; Finney, B.; Maschner, M.; Morello, F.; San Roman, M. *55° North, 55° South: Contrasting marine food webs and productivity through time and space.*

17:30 hs. 463- Yesner, David R. *The Aleutian/Fuegian Connection Revisited: Zooarchaeological Reflections of Holocene Paleoclimatic Change.*

17:50 hs.-18:10 hs. **POSTER**

241- Zangrando, Atilio Francisco; Kochi, Sayuri; Riccialdelli, Luciana; Tessone, Augusto; Tivoli, Angélica M.; Newsome, Seth D.; Marilyn Fogel. *Paleoecology of the sub-Antarctic marine ecosystem of southern South America in the last 6500 years.*

**Session 15 "DAIRYING OF NON BOS DOMESTICATES"; Organizers: Julia E. M. Cussans and Jacqui Mulville. Sala Coirones A.**

14:30 hs. 204- Hadjikoumis, A.; Vigne, J-D. *There's more than one way to milk a sheep/goat: origins and development of dairying in Cyprus.*

14:50 hs. 297- Ewens, V. *Identifying the hidden value of sheep milk using developmental defects in dental enamel.*

15:10 hs. 329- Gillis, R.; Gerbault, P.; Bréhard, S.; Callou, C.; Baly, I.; Tresset, A.; Thomas, M.; Vigne, J-D.; Evershed, R. *New methodological approaches and perspectives on the development of caprine dairying in Europe from the 7th to 5th Millennium BC.*

15:30 hs. 334- Roffet-Salque, M.; Dunne, J.; di Lernia, S.; Ryan, K.; Faye, B.; Outram, A.; Evershed, R. *Extending the carbon isotope proxy for animal fat identification in lipid residue preserved in archaeological vessels to a wide range of ruminant and non-ruminant fat.*

15:50 hs. 438- Rosell, A.; Saña, M.; Moraleda, N.; Navarrete, V.; Gillis, R.; Palomo, A. *Chemical and archaeozoological evidences of dairy practices during the early Neolithic in the Iberian Peninsula.*

- 16:10 hs. 460- Cussans, J.; Armit, I.; McKenzie, J. *Sheep Dairying in Iron Age Scotland: a case study from Broxmouth, East Lothian*.
- 16:50 hs. 505- Baker, P.; Popkin, P.; Hammon, A.; Worley, F.; Payne, S. *The sheep project: investigating the effect of breeding on skeletal maturation, growth, size and shape in unimproved Shetland ewes of known age, nutrition and breeding status*.
- 17:10 hs. 514- Mulville, J. *Deer and dairying: interpreting cervid mortality patterns*.

**Session 25 "ARCHAEOZOOLOGICAL STUDIES OF AMPHIBIANS AND REPTILES"; Organizers: Rebecca Biton and Krister T. Smith. Sala Coirones B.**

- 14:30 hs. 265- Smith, K. *Using tooth corrosion signatures to identify microvertebrate fossil accumulators*.
- 14:50 hs. 017- Blain Hugues-Alexandre; Agusti, J.; Cuenca-Bescós, G. *Reconstructing Quaternary climate and landscape using amphibians and reptiles: the case of the first human settlement in Western Europe*.
- 15:10 hs. 263- Sanchiz Borja; Lobo, J. *Validity and reliability of an archaeobiological tool: Testing the accuracy and precision of batrachian climatic inferences in the northern iberian ecoregion*.
- 15:30 hs. 062- Stoetzel, E.; Bailon, S.; El Hajraoui, M.; Nespolet, R. *New herpetofaunal data from Temara's caves (Morocco): archaeological and palaeoecological implications*.
- 15:50 hs. 343- Bauer, A.; Daza, J.; Lilley, I.; Wake, T.; Sand, C. *Herpetofaunal remains from Archaeological Sites on Tiga, Loyalty Islands, New Caledonia*.
- 16:10 hs. 162- Bochaton, C.; Grouard, S.; Cornette, R.; Ineich, I.; Tresset, A.; Bailon, S. *Humans and Iguanas in Guadeloupe (West-Indies)*.
- 16:50 hs. 122- Cooke, R.; Jimenez, M. *Neotropical anurans re-visited: Evaluation of the Precolumbian use of frogs and toads for food, as poison and in rituals*.
- 17:10 hs. 317- Boschin, F.; Boscato, P.; Crezzini, J.; Wierer, U. *The exploitation of Emys orbicularis in the alpine Mesolithic: the case-study of Galgenbühel/Dos de la Forca (South Tyrol, Italy)*.
- 17:30 hs. 202- Biton, R.; Steiner, T. *Turtles from Late Pleistocene Sites in the Hula Valley, Israel: paleoecology and human exploitation*.

**Session 23 "INVESTIGACIONES SOBRE EL PERRO (CANIS LUPUS FAMILIARIS): DOMESTICACIÓN, MANEJO Y MORFOTIPOS"; Organizer: Velia Mendoza España. Sala Coirones C.**

- 14:30 hs. 450- Acosta, A.; Loponte, D. *Pre-columbian dogs in southern South America: new records from the Pampa Region (Argentina)*.
- 14:50 hs. 147- Valadez Azúa, R.; Rodríguez Galicia, B. *Cánidos prehispánicos del sitio Cueva Estrella, Oaxaca, México*.
- 15:10 hs. 278- Horard-Herbin, M.-P. *The consumption and status of dogs during the Iron Age in France*.
- 15:30 hs. 146- Valadez Azúa, R.; Rodríguez Galicia, B. *Criterios para la identificación de híbridos de perros (Canis lupus familiaris) y coyotes (Canis latrans) provenientes del México prehispánico*.
- 15:50 hs. 108- Meier, S. *Dog breeding in Ancient America? An open debate over the classification of breeds since the beginning of 20<sup>th</sup> century*.
- 16:10 hs. 145- Valadez Azúa, R. *Análisis del cráneo de un perro mesoamericano de un morfotipo desconocido*.
- 16:50 hs. 523- Braulińska, K. *Canis lupus f. domestica in Pharaonic Egypt*.
- 17:10 hs.-17:50 hs. **POSTER**
- 277- Larson, G.; Dobney, K.; Cucchi, T.; Evin, A.; Linderholm, A.; Loog, L. *Deciphering dog domestication through a combined ancient DNA and geometric morphometric approach*.
- 359-Corona-M., E.; Giles Flores, I. *Una síntesis del registro de perros mesoamericanos en el Estado de Morelos (México)*.
- 345-Mendoza España, V.; Lahor, M.; Vera, D.; Capriles, J. *Primer hallazgo de restos óseos de un perro de patas cortas en Iroco, Oruro, Bolivia*.

**Session 16 "THE FUTURE OF OSTEOMETRIC ANALYSES - METHODS AND APPLICATIONS"; Organizers: Katie Manning and Louise Martin. Sala Coirones D.**

- 14:30 hs. 104- Manning, K.; Cream, E.; Timpson, A.; Shennan, S. *Identifying changes in European Neolithic cattle dimensions. A review of osteometric quantification methods*.

14:50 hs. 056- Wright, L. *The morphological variation of the European aurochs (Bos primigenius): reflections on a biometrical study with a wide spatial and temporal focus.*

15:10 hs. 142- Paris, P-E. «*Weight Method*»: *a new research perspective for Latenian site.*

15:30 hs. 051- Pöllath, N.; Alibert, P.; Peters, J. *Documenting early domestication of sheep through geometric morphometric approaches and traditional osteometry.*

15:50 hs. 480- Izeta, A.; Srur, M.; Labarca Encina, R. *Compiling bone metric variables from South American camelids. 40 years of osteometry development in the southern cone.*

16:10 hs. 076- Llorente-Rodríguez, L.; Albarella, U.; Morales-Muñiz, A. *Spanish ibex from Cova Fosca (Castellón, Spain) revisited.*

16:50 hs. 096- Salvagno, L. *The neglected goat: a new methodological approach to the understanding of the role of this species in the English Medieval husbandry and economy.*

17:10 hs. 445- Borella, F.; L'Heureux L.; Vales, D.; Crespo, E. *Body size of Arctocephalus australis and its implications for osteometric studies in zooarchaeological remains from northern Patagonia, Argentina.*

17:30 hs. 171- Poland, G. *Identifying goose and duck remains from archaeological sites using morphometric analysis.*

#### **OPENING SESSION AND WELCOME COCKTAIL . AUDITORIUM**

18:15 hs.-20:30 hs.

## TUESDAY, September, 23<sup>rd</sup>

### Session 19A "NEOTROPICAL ZOOARCHAEOLOGY"; Organizers: Pablo M. Fernández, Mariana Mondini and Sebastián Muñoz. Sala Retamo.

- 09:00 hs. 000- Fernández, P.; Mondini, M. and Muñoz, S. *Presentación*.
- 09:20 hs. 043- Pérez-Crespo, V.; Arroyo-Cabrales, J.; Johnson, E. *Inferencias ambientales actuales y pasadas de la cueva de San Josecito, Nuevo León, México*.
- 09:40 hs. 401- Souza, R.; Macario, K.; Aguilera, O.; Marques Jr., A.; Silva, E. *Shellmounds southeast coast of Brazil: a study of climate change*.
- 10:00 hs. 346- Grouard S.; V. Sierpe González *Sufossil bats from the Caribbean: insularity, endemism, and anthropisation*.
- 10:20 hs. 243- Muñoz, A. S. *Taphonomic patterns in coastal Patagonia surface bone assemblages: a case study*.
- 11:10 hs. 178- Ramos, E.; Reiber, A.; Campos, L.; Raguá, L. *Avances en la investigación microarqueológica sobre termoalteraciones en contextos zooarqueológicos del Caribe colombiano*.
- 11:30 hs. 469- Zorro-Luján, C.; Archila, S.; Langebaek, C. *El registro zooarqueológico en el noroeste de los Andes y las estrategias de subsistencia de grupos de cazadores recolectores*.
- 11:50 hs. 126- Beovide, L.; Martínez, S.; Norbis, W. *Exploitation of resources and space use patterns related with the shell middens of the Rio de la Plata coast (ca. 3000 a 2000 year BP), Uruguay*.
- 12:10 hs. 223- Frontini, R.; Bayón, M. *Trends in the use of marine resources during Holocene in the Southwest of Buenos Aires Province (Argentina)*.
- 12:30 hs. 074- Alunni, D. *Estrategias de transporte, procesamiento y consumo de guanacos en la costa sur de Tierra del Fuego (Argentina)*.
- 14:30 hs. 231- Fernandez, P. *Holocene occupation of the Nothofagus-Austrocedrus Patagonian forest: insights from the zooarchaeological data*.
- 14:50 hs. 273- Messineo, P.; Rafuse, D.; Kaufmann, C.; Gutiérrez, M.; Martínez, G. *Subsistence strategies in Argentina during the Late Pleistocene and Early Holocene*.
- 15:10 hs. 348- Cardoza, C.; Angulo, E.; Isla, J. *Uso y consumo de animales durante el Arcaico y el Periodo Inicial en Pernil Alto, un sitio en la Costa Sur de Perú*.
- 15:30 hs. 490- Segura Gutierrez, L.; Alcalde Gonzales, J. *Entre lo urbano y lo aldeano, comparando los restos ictiológicos del Señorío de Chíncha*.
- 15:50 hs. 470- Zorro-Luján, C.; Archila, S.; Langebaek, C. *Una aproximación a la dieta de los habitantes de Tibanica (Colombia) entre 920 y 1350 dC, con base en información zooarqueológica y arqueobotánica*.
- 16:10 hs. 423- de Queiroz, A.; Gomes, R. *Slaughtering and meat preparation: a cultural issue - zooarchaeology in Laranjeiras, Sergipe, Brazil*.
- 16:50 hs. 465- Lanza, M. *Aprovechamiento y uso diferencial de los animales en contextos urbanos y rurales en Buenos Aires durante el siglo XIX*.
- 17:10 hs. 000- *Comentaristas*.

### Session 8 "DEVELOPMENT OF ANCIENT HORSE CULTURE IN EAST ASIA"; Organizer: Akira Matsui; Hiroki Kikuchi; Manabu Uetsuki. Sala Chañares A.

- 09:00 hs. 377- KIKUCHI, H.; Daiyun Liu. *Horse production and management system in Zhou Dynasty, China*.
- 09:20 hs. 507- Hun-suk kim. *Research of horse by scientific method at Korea*.
- 09:40 hs. 536- Won-young Song; Hun-suk Kim; Chan-woo Jeung; Sim-jae yong. *Scientific survey of Daeseong-dong tomb No.88*.
- 10:00 hs. 413- Maruyama Masashi; Kikuchi Hiroki. *Early horse utilization in western Japan*.
- 10:20 hs. 421- Uetsuki Manabu; Tsumura Hiro'omi; Son Joonho; Tumurbaatar Tuvshinjargal; Jamsranjav Bayarsaikhan; Myagmar Erdene. *The origin and dispersal of horses in Japan revealed through molar shape analysis*.
- 11:10 hs. 526- Gakuhari, Takashi; Hanzawa Kei.; Kono, Tomohiro; Nakano, Takanori.; Yoneda, Minoru; Oota, Hiroki. *A Research perspective: Reconstruction of Horse Culture and Origins in East Asia Using Isotope and Ancient DNA Analysis*.
- 11:30 hs. 033- Can, Yumni; Nishimoto, Toyohiro; Hongo, Hitomi. *Pathology and impact of humans on the Japanese ancient horse: Analysis of horse remains from the village of Muramatsu Shirane (Ibaraki Prefecture, Japan)*.

11:50 hs. 315- Matsui, Akira. *The use of horse brain for tanning of deer skin.*

**Session 27 "FAUNA, SUBSISTENCE AND CULTURAL DYNAMICS OF SOUTH ASIAN ARCHAEOLOGY: ANCIENT BONES AND NEW DATA IN 21ST CENTURY"; Organizers: Vijay Sathe; Aarti Deshpande-Mukherjee and Prateek Chakraborty. Sala Chañares B.**

09:00 hs. 212- Deshpande-Mukherjee, A. *View from within the pits: faunal assemblage from the Hakra ware cultural period at the Harappan settlement of Bhirrana, district Haryana, India.*

09:20 hs. 260- Goyal Pankaj; Joglekar Pramod. *Evidence for Secondary Product Exploitation of Cattle at Kanmer, A Harappan Site in Gujarat.*

09:40 hs. 259- Sharada, C.; Joglekar Pramod. *Estimation of size and stature of domestic animals at Harappan sites in Haryana, India.*

10:00 hs. 427- Chattopadhyaya, Umesh C. *From Zooarchaeology to Symbolic Archaeology of Human Existential Situation.*

10:20 hs. 501- Chakraborty, P. *Environmental Stress In The Bones Of Domestic Animals: A Fresh Look Into The Processes Of Domestication And Exploitation.*

11:10 hs. 323- Sathe, V. *Equine Taxonomy in Indus Valley Civilisation: Controversies and Solutions.*

11:30 hs. 325- Sathe, Vijay; Chakraborty Prateek. *Microvertebrate taphonomy in the pellets of Tyto alba (Barn Owl).*

11:50 hs. 410- Jain Sharma, N. *The Spirit of the Bones: Interpretive Archaeology in the light of Archetypal dimensions of Animals.*

12:10 hs. 411- Dasgupta, M. *Extinction: An Eternal Conundrum.*

12:30 hs. 173- Frere, S.; Zeitoun, V.; Forestier, H. *Late paleolithic south east Asia, animals hunting and collecting.*

12:50 hs. 13:10 hs. **POSTER**

446- Kalwankar Chandrakant; Chakraborty Supriyo; Sathe Vijay. *Stable Isotopes and Bovine Taxonomy.*

511- Kour, N. *Fresh perspectives on the presence of dog in Indian Archaeology.*

**Session 5 "MULTI-DISCIPLINARY ZOOARCHAEOLOGICAL CONTRIBUTIONS TO ENVIRONMENTAL AND ECOLOGICAL RESEARCH"; Organizers: Deanna N. Grimstead and Kathryn A. Mohlenhoff. Sala Coirones A.**

09:00 hs. 429- Carpenter, K.; Carpenter, T.; Meyer, J. *Animal exploitation and landscape evolution in the lower Sacramento river basin of central California.*

09:20 hs. 432- Broughton, J.; Beck, R.; Coltrain, J.; O' Rourke, D.; Rogers, A. *A late Holocene population bottleneck in California tule elk (Cervus elaphus nannodes): provisional support from ancient DNA.*

09:40 hs. 468- Rodrigues, A. Hodgetts, L.; Yang, D. *An Archaeogenetic Investigation of Human-Environment Interactions in the Western Canadian Arctic.*

10:00 hs. 473- Miotti, L.; Marchionni, L. *Qué sucedió cuando se extinguió la megafauna pleistocénica?*

10:20 hs. 493- Ugan, A.; Rosenthal, J. *Freshwater molluscs and their implications for late Pleistocene and early Holocene human occupation of China Lake basin, western Mojave desert, U.S.A.*

11:10 hs. 494- Bayham, F.; Bayham, J. *Large game and intertribal boundaries: How the costs of competition effect the formation of buffer zones.*

11:30 hs. 495- Edwards, G.; Broughton, J.; Coddling, B.; Hart, I. *Holocene ENSO variation affects woodrat (Neotoma spp.) body-size and species-composition in northern Baja California.*

11:50 hs. 496- Hart, I. *El Niño events affect lagomorph populations in Abrigo de los Escorpiones, a Holocene archaeological and paleontological site in northern Baja California, Mexico.*

12:10 hs. 497- Cannon, M.; Benson, L. *Fremont (Utah, U.S.A.) agriculture as niche construction: a test using zooarchaeological, GIS, and archaeological data.*

12:30 hs. 498- Mohlenhoff, K.; Butler, V. *Tracking fish (and human) response to abrupt environmental change using fish archaeofauna from a large native american village on the coast of Washington State, U.S.A.*

14:30 hs. 499- Grimstead, D; Hudson, A.; Betancourt, J.; Akins, N. *Low <sup>87</sup>Sr/<sup>86</sup>Sr variance in turkey remains reveal domestication at Chaco Canyon.*

14:50 hs. 510- Tessone, A. ; De Nigris, M.; Fernández, P. *Modern and Holocene <sup>13</sup>C and <sup>15</sup>N of huemul (Hippocamelus bisulcus) during the Holocene in Perito Moreno National Park, Santa Cruz, Argentina. Implications to species biogeography and hunter-gatherer faunal exploitation.*

**Session 11 "CHICKENS AND PEOPLE: NEW PERSPECTIVES"; Organizers: Garry Marvin; Richard Thomas; Mark Maltby and Naomi Sykes. Sala Coirones B.**

- 09:00 hs. 245- Ikeya, K. *The Taming Process of Red Junglefowl in Southeast Asia.*
- 09:20 hs. 131- Best, J. *A Matter of Lay and Death: Examining medullary bone in past and present chickens.*
- 09:40 hs. 170- Moreno-García, M.; Pimenta, C. *What Archaeozoology can learn from the last traditionally caponised fowl in Western Europe: ethnographic records from the Iberian Peninsula.*
- 10:00 hs. 584- Lebrasseur, O.; Girdland-Flink, L.; Larson, G. *The search for domestication genes in chickens.*
- 10:20 hs. 414- Herrera, M.; Thomson, V.; Gongora, J.; Piper, P.; Cooper, A.; Austin, J. *Insular Southeast Asian Origin for Lapita chickens indicated by mitochondrial DNA.*
- 11:10 hs. 530- Thomson, V.; Lebrasseur, O.; Austin, J.; Hunt, T.; Burney, D.; Denham, T.; Rawlence, N.; Wood, J.; Gongora, J.; Girdland Flink, L.; Linderholm, A.; Dobney, K.; Larson, G.; Cooper, A. *Using ancient DNA to study the origins and dispersal of ancestral Polynesian chickens across the Pacific.*
- 11:30 hs. 193- Masaki, Eda; KIKUCHI Hiroki; LU Peng; LI Zhipeng; DENG Hui; LI Fan; YUAN Jing. *Evaluation of chicken bones from the Neolithic and early Bronze Age of China.*
- 11:50 hs. 484- Redding, R. *The Chicken and the Pig: Human Decision Making in the Middle East.*
- 12:10 hs. 105- Fothergill, T.; Sterry, M. *Pouliography and "Poultrymen" in North Africa.*
- 12:30 hs. 070- Seigle, M.; Argant, T. *Gallus in Gallia. The Presence and Importance of Chickens in Pre-Roman Gaul.*
- 14:30 hs. 019- Thomas, R.; Morris, J.; Holmes, M. *Chicken breeding and health: the case of Roman-early medieval London, UK.*
- 14:50 hs. 417- Piskin, E. *Chickens in the Late Byzantine Empire.*
- 15:10 hs. 524- Poole, K. *Friend or food? A reanalysis of chickens in human graves using stable isotope analyses.*
- 15:30 hs. 077- Serjeantson, D. *The delayed spread of the chicken into the western and northern seaboard of Europe, or why chickens didn't go north.*
- 15:50 hs. 048- Grau Sologostoa, I. *A chicken in every pot: the economic and social role of domestic fowl in Spain during the Middle Ages.*
- 16:10 hs. 299- Corbino Chiara Assunta; Minniti C. *Chicken husbandry in the Middle Ages: evidence from central Italy.*
- 16:50 hs. 224- Gordon, R. *Evidence for selective breeding in poultry: a case study of 'creeper' chickens (Gallus gallus) in 16th- century Chester, England.*
- 17:10 hs. 528- Sasson, S.; Arter, S. *The First Chicken Burrito in Western North America: A Zooarchaeological Study of Avian Remains from the San Diego Presidio.*

**Session 3A "FOOD PROVISIONING IN COMPLEX SOCIETIES: OLD WORLD. Organizers: Levent Atici and Benjamin Arbuckle. Sala Coirones C.**

- 09:00 hs. 035- Owlett, T. *Pastoral Production from an Early Urban Center: Preliminary Zooarchaeological Evidence from Shimao China.*
- 09:20 hs. 485- Redding, R. *Modeling the Economic Infrastructure of Pyramid Construction.*
- 09:40 hs. 086- Badenhorst, S. *Livestock usage during the Iron Age of Southern Africa.*
- 10:00 hs. 330- Price, M. *Pig Management and Complex Society in Northern Mesopotamia.*
- 10:20 hs. 250- Itahashi, Y.; Yoshito CHIKARAISHI; Naohiko OHKOUCHI; Minoru YONEDA. *Compound-specific isotope analysis of amino acids for elucidating human diet and animal utilizations in early and late Neolithic sites in the Near East.*
- 11:10 hs. 461- Kerres, V. *"The times are a' changin'" - Shifts in animal exploitation strategies and meat provisioning at the late Byzantine and early Islamic Market Places of Jerash, Jordan.*
- 11:30 hs. 390- Arbuckle, B.; Öztan, A. *Exploring multiple modes of urban animal use at Bronze Age Acemhöyük, Turkey.*
- 11:50 hs. 347- Atici, L. *Rethinking Food Provisioning in a Middle Bronze Age Urban Center: Animal Bones vs. Cuneiform Tablets.*
- 12:10 hs. 444- Meier, J.; Price, Gypsy C.; Shelton, K. *Animals Beyond the Cyclopiian Walls: Integrating faunal and isotopic analysis at Late Helladic IIIA2 Petsas House.*
- 12:30 hs. 440- Dibble, W. *Urban Butchery Patterns from the Athenian Agora and Azoria in Greece.*
- 14:30 hs. 305- Bejenaru Luminița; Danu Mihaela; Bodi George; Stanc Simina. *Food provisioning in the Chalcolithic society of the Cucuteni culture: integrative study concerning the tell of Poduri-Dealul Ghindaru (Bacău County, Romania).*

- 14:50 hs. 190- Kivikero, H. *The production and consumption of meat in the Bailiffs Castles of Raseborg and Kastelholm.*
- 15:10 hs. 094- Orton, D.; Morris, J.; Barrett, J. *Understanding the development of long-range provisioning networks in medieval Europe through meta-analysis of fish bones from urban contexts – an English case study.*
- 15:30 hs. 106- Stalibrass, S. *Demand, production and supply: What happens when a rural population has to support a large number of non-agricultural workers?*
- 15:50 hs. 041- Trusler, K. *Evaluating Socioeconomic Status in the Roman World Using Meat Utility Indices.*
- 16:10 hs. 261- Beglane, F. *The fat of the land: meat and milk products in medieval Ireland.*
- 16:50 hs.-17:10 **POSTER.**
- 452- Blanco, À.; Novella-Dalmau, V.; Saña, M. *Meat acquisition and production at the Montsoriu Castle (XVIth CE, Iberian peninsula) as a mean to analyse prestige and social differences in the beginnings of Modern Era.*

**Session 33 “TRADE AND MIGRATION: THE ZOOARCHAEOLOGY OF CONTACT AND MOVEMENT”; Organizers: Richard Madgwick and Sarah Viner-Daniels. Sala Coirones D.**

- 09:00 hs. 213- Rannamäe, E.; Lõugas, L.; Saarma, U. *Chronological changes in the variation of ancient sheep mtDNA lineages in Estonia.*
- 09:20 hs. 215- Dobney, K.; Hulme-Beaman, A.; Trinks, A.; Larson, G.; Cucchi, T. *Racing with rats and lounging with lizards: Tracking Oceanic human migration using rats and geckos.*
- 09:40 hs. 228- Mhig Fhionnghaile, R.; Beglane, F.; Nanova, O. *Population diversity in cattle as a result of exchange and migration: A case study from Ireland.*
- 10:00 hs. 221- Guiry, E., J.; Beglane, F.; Richards, M. *Irish Meat Trade and Animal Husbandry: A Stable Isotope Baseline for Assessing the Origins of Exported Irish Meats.*
- 10:20 hs. 398- Pilaar Birch, S. *The oxygen isotope ecology of animal migration in prehistory.*
- 11:10 hs. 506- Madgwick, R.; Lamb, A.; Evans, J. *Pig feasting and connectivity in late Neolithic Britain.*
- 11:30 hs. 420- Valenzuela-Lamas, S.; Minniti, C.; Evans, J.; Albarella, U. *Meat supply, trade and economic system: some insights from Iron Age and Roman Owslebury (Hampshire, UK) integrating zooarchaeology and stable isotopes from cattle teeth.*
- 11:50 hs. 376- Harrison, R.; Ascough, P.; Sayle, K. *Combining Zooarchaeological and Isotopic Analyses in the Research on the Nature of Domestic and International Exchange in Medieval Iceland.*
- 12:10 hs. 428- Hadden, C. *Geochemical Sourcing of White-tailed Deer (Odocoileus virginianus) as Evidence of Human Mobility on the Northern Gulf of Mexico, USA.*
- 12:30 hs. 095- Sanford, J. *Translocation, Colonisation and the Greek Domesticated Biometry of Magna Graecia and Dalmatia.*
- 14:30 hs. 529- Patel, A.; Meadow, R. *From South Asia to East Asia: Bubalus bubalis and Bos indicus as proxies for human interaction.*
- 14:50 hs. 194- Eda, M.; Sakai, M.; Orefici, G. *Translocation and ceremonial practices of the Nasca culture based on “standard” analysis of bird remains from the temples of Cahuachi, Nasca (4th–5th century AD).*
- 15:10 hs. 364- Manzano, B.; Laracuenta, T.; Laracuenta, N. *The First Archaeological Find of Guinea Pig in North America.*
- 15:30 hs. 522- Braulinska, K. *Dogs Import into Pharaonic Egypt.*

**Session 12 “ZOOARCHAEOLOGY IN OCEANIA”; Organizers: Pam J. Crabtree and Kelila Jaffe. Sala Auditorio A.**

- 09:00 hs. 225- Hawkins, S. *Anthropogenic impacts on fruit bat populations during the Lapita expansion and implications for human settlement patterns in central Vanuatu 3100-2500 BP.*
- 09:20 hs. 028- Lambrides, A.; Weisler, M. *Investigating prehistoric fishing practices and resource sustainability over two millennia on the remote Ebon Atoll, Southern Marshall Islands, Micronesia.*
- 09:40 hs. 534- Harris, M.; Weisler, M. *Marginal environments and intertidal resources: 2000 years of mollusc exploitation on Ebon Atoll, Marshall Islands.*
- 10:00 hs. 236- Littleton, J.; Allen, M.; McFarlane, G. *A multi-species approach to human-animal interactions: a Marquesan (Polynesia) case study of dental pathologies.*
- 10:20 hs. 404- Esh, K.; Mulrooney, M. *The Barren Shore: A new analysis of the South Point faunal remains.*
- 11:10 hs. 456- Filimoehala, D.; Filimoehala, C.; Addison, D. *Examining Resource Depression in Fakaofu, Tokelau*

- 11:30 hs. 191- Linderholm, A.; Spencer, D.; Leonard, J.; Dobney, K.; Larson, G. *Using MC1R to determine possible Polynesian ancestry of the Feral Pigs on Hawaii.*
- 11:50 hs. 113- Campbell, M. *Body part representation in New Zealand fishbone assemblages.*
- 12:10 hs. 184- Greig, K. *It's a dogs life: Archaeology, ancient DNA and dogs in Aotearoa New Zealand.*
- 12:30 hs. 454- Filimoehala, C.; Herdrich, D.; Filimoehala, D. *Life on Swains Island: Examining Local Marine Resource Exploitation of An Historic Plantation Village.*
- 14:30 hs. 476- Jaffe, K. *The representation of fauna in oceanic collections: Penn Museum.*
- 14:50 hs. 583- Morrison, A.; Allen, M. *Investigating the Effects of Climate Variability on Long-Term Predator/Prey Dynamics in the Aitutaki, Cook Island Marine Ecosystem: An Agent Based Model Example.*
- 15:10 hs. 556- Jones, S. *Social identity in Fiji: relating foodways and long-term ceramic patterns.*

**Session 40 "RECENT APPLICATIONS OF DIGITAL TECHNOLOGY IN ARCHAEOZOOLOGY"; Organizers: Iain McKechnie and Sarah Witcher Kansa. Sala Auditorio B.**

16:50 hs.-18:50 hs. **POSTER**

- 200- Moreno-García, M.; Pimenta, C. *Measuring the small: a digital proposal to improve the osteometrical study of Passeriformes.*
- 244- Manzano, B.; Means, B.; Zechini, M.; Begley, C. *Digital Scanned 3-D Reproduced Elements of Extinct Species; The Future Examines the Past.*
- 255- Macheridis, S. *Digital photogrammetry and image-based modeling as documentation method of zooarchaeological remains in refuse contexts.*
- 320- Boschin, F.; Bernardini, F.; Zanolli, C.; Princivalle, F.; Tuniz, C. *A look from the inside: MicroCT analysis of burned bones.*
- 321- Zanolli, C.; Boschin, F.; Bernardini, F.; Corny, J.; Tuniz, C. *A new method to discriminate between wolf and dog remains in zooarchaeological studies.*
- 327- Moretti, E.; Arrighi, S.; Boschin, F.; Crezzini, J.; Ronchitelli, A. *How are the cut marks produced? A microscopic analysis of striations inflicted on bone surface using different stone tools.*
- 362- Urquiza, S.; Estévez Escalera, J. *Atlas digital osteológico de camélidos sudamericanos.*
- 381- Pilaar Birch, S. *Demographics in Zooarchaeology.*
- 437- Dibble, W. *21st Century Tools for Zooarchaeological Data Entry: Touch Screens, Speech Recognition, Barcodes, and GIS.*
- 447- Cornaglia Fernández, J. *Zooarchaeology of the Santa Fe's Pampa Lagoons (Argentina): SIG application to the intersite spatial analysis.*

**Session 35 "ZOOARCHAEOLOGY OF PASTORALISM" Organizers: Lee G. Broderick and Robin Bendre; Sala Chañares A.**

- 14:30 hs. 400- Gifford-Gonzalez, D. *"Animal Disease Challenges" Fifteen Years On.*
- 14:50 hs. 367- Janzen, A.; Balasse, M. *Early Herd Management Strategies in Kenya.*
- 15:10 hs. 502- Mooketsi, C. *On Hunter-Gatherers becoming Herders in eastern Botswana: A case of Thune River Catchment area in the greater Shashe-Limpopo.*
- 15:30 hs. 087- Veldman, A.; Badenhorst, S.; Lombard, M. *Hunters or Herders? The Fauna from Stone Circles in Namibia.*
- 15:50 hs. 477- García, L.; Higa, P. *Pastoralism through time in Jujuy.*
- 16:10 hs. 307- Maryański, J.; Tessone, A.; Nielsen, A. *Pastoral mobility in the south Andes: an approach through stable isotope analysis.*
- 16:50 hs. 203- Hadjikoumis, A. *The life of recent Cypriot sheep/goat pastoralists: scale, mobility and other aspects of archaeological relevance.*
- 17:10 hs. 165- Frémondeau, D.; De Cupere, B.; Ughetto-Monfrin, J.; Balasse, M.; Van Neer, W. *Caprines and cattle herd management at Sagalassos (SW Turkey) during the Early Byzantine period inferred from sequential stable isotope analyses ( $\delta^{18}\text{O}$ ,  $\delta^{13}\text{C}$ ) in teeth.*
- 17:30 hs. 057- Taylor, W.; Tuvshinjargal, J.; Bayarsaikhan, J. *Horseback Riding and Equine Cranial Morphology in the Mongolian Bronze Age.*
- 17:50 hs. 459- Lyublyanovics, K. *The socio-economic integration of Cumans in medieval Hungary.*
- 18:10 hs.- 18:45 hs. **POSTER**



313- Amiri, S.; Mashkour, M.; Mohaseb, F.; Tengberg, M.; Abdollahi, M.; Sardari Zarchi, A. *Subsistence economy of Qela Gap (Luristan) from the Late Neolithic to the Iron Age. An account of the archaeozoological studies.*

568- Sheikhi, S.; Mashkour, M. *Evolution of pastoralism in South-West of Iran from the 6th to 3rd millennium BC.*

**Session General 41A "METHODODOLOGICAL ADVANCE IN ZOOARCHAEOLOGY" Chair: Luciano Valenzuela. Sala Chañares B.**

14:30 hs. 616- Yang, Dongya. *Integration of Ancient DNA and Archaeology: Mentality and Strategies for Research and Training.*

14:50 hs. 602- Valenzuela, L. *Water Isoscapes as a tool for the assessment of region-of-origin and animal movements.*

15:10 hs. 641- Garcia, J.; Oyuela-Caycedo, A.; Rojas, A. *Holocene Paleoclimate Reconstruction from  $\delta^{18}O$  Isotopes of Neocyclotus Opercula a Morphometric Analysis of Variation at the Archaic Site of San Jacinto1 Colombia.*

15:30 hs. 621- Metcalf, J.; Barnett, R.; Martin, F.; Sarah Bray; Julia T. Vilstrup; Ludovic Orlando; Rodolfo Salas-Gismondí; Loponte, D.; Medina, M.; De Nigris, M.; Civalero, T.; Fernández, P.; Gasco, A.; Durán, V.; Otaola, C.; Gil, A.; Paunero, R.; Prevosti, F.; Bradshaw, C.; Wheeler, J.; Borrero, L.; Austin, J.; Cooper, A. *Simultaneous Late Pleistocene megafauna extinctions in southern Patagonia.*

15:50 hs. 570- Borella, F.; Vales, D.; Grandi, M.; García, N.; Crespo, E. *Diagnostic morphological traits in post-cranial skeleton for the identification of Otariids in the zooarchaeological record.*

16:00 hs. 559- Bartosiewicz, L. *The Animal Within: the archaeozoology of perception.*

**Session General 41A Poster "TAPHONOMY, PALEOENVIRONMENT, AND TAXONOMY IN ZOOARCHAEOLOGY I". Sala Auditorio B.**

14:30 hs.-16:30 hs. POSTER

576- San Román, M.; Christensen, M.; Legoupil, D.; Sierpe, V.; Martin, F.; Morello, F. *Guanacos onboard: camelid transport and processing by marine hunters in Patagonia, Chile.*

574- Lubinski, P.; Hale, T. *Identifying and Siding the Stylohyoid for Artiodactyls of the USA.*

635- James, S. *Using bone to dig copper: analysis of tools from the Great Orme Mines, North Wales.*

571-Kovačiková, L. *Animals and their role in the Early Medieval site at Rostoky (Czech Republic).*

587-Hudson, J. *Peruvian Coastal Prehistory and Ecology at Four Sites: K4, Villa del Mar, Gramalote, and Cerro la Virgen.*

351- Mendoza España, V.; Lahor, M.; Vera, D.; Aramayo, A.; Cruz, M.; Capriles, J. *Laboratorio de Zooarqueología de la Universidad Mayor de San Andrés: Un Soporte a la Investigación Zooarqueológica en Bolivia.*

551- Stanc, M.; Bejenaru, L. *Animal resources exploitation during the Early Iron Age in the space between Danube and the Black Sea.*

550- Homko, M. *Livestock variability and Neolithic migrations: a case study from the Orkney Islands*

630- Mac-Lean, R. *Pelecanus thagus: El Pelicano en la Prehistoria del Norte de Chile.*

629- Burke, A.; Kaplan, J.; Latombe, G. *Modelling the predicted distribution of prey species during the Last Glacial Maximum in Iberia: a case study.*

623- Lau, H.; Kansa, S. *Cooperation and Feasting at Halaf Domuztepe: Assessing Emergent Political Complexity Through Faunal Remains.*

611- Studer, J. *Animal trade at Madâ'in Sâlih / Hegra (Saudi Arabia): marine fish and molluscs, but also domestic mammals?*

600- Messersmith, M.; Sinelli, P. *Plenty of Fish in the Sea: Using GIS to Determine Marine Habitat Exploitation on Great Inagua, Bahamas.*

585- Aono, T.; Date, M.; Oshima, N.; Nakamura, K.; Dodo, Y.; Wakebe, T. *On the Long-Distance Spread of Cone-Shell Bangles across the Japanese Archipelago.*

562- Needs-Howarth, S.; Hawkins, A. *Iroquoian deer tending revisited: An exercise in taphonomy.*

368- Davoudi, Hossein; Mashkour, Marjan; Mohaseb, Azadeh. *Animal resource exploitation and management at Tepe Hasanlu (North-West Iran) from Early Bronze Age to the Islamic (Ilkhanid) period.*

542- Lanoe, F.; Zedeno, M.; Ballanger, J.; Pailles, M.; Bethke, B.; Martin, W. *Late Prehistoric Hunting and Fishing at the Saint Mary Bridge Site, Montana, US.*

230- López, M.; Chiavazza, H.; Rosi, M. *The small mammals record in Rincón de los Helados (Mendoza, Argentina) and their paleoenvironmental implications.*

396- Mange, E.; Fernández, F.; Cordero, A.; Teta, P.; Pardiñas, U.; Crivelli Montero, E. *Taphonomy and Late Holocene paleoenvironments from Epullán Chica's zooarchaeological record (North-western Patagonia, Argentina).*

642- Rufolo, S. *Social Complexity along the Margins of the State in Upper Mesopotamia*.

**PLENARY CONFERENCE. *Sala Auditorio A*.**

**18:45 hs. MARÍA A. GUTIÉRREZ "THERE ARE ALWAYS SOMETHING TO LEARN. CHALLENGES AND CONTRIBUTIONS OF AN ACTUALISTIC TAPHONOMIC RESEARCH PROGRAM IN A HIGHLY HUMAN-IMPACTED ENVIRONMENT: THE PAMPAS OF ARGENTINA AS A CASE STUDY"**

## WEDNESDAY, September, 24<sup>th</sup>

### Session 6 "MOLLUSCS AS A RECORD OF HUMAN-ENVIRONMENT RELATIONSHIPS: ENVIRONMENTAL RECONSTRUCTIONS, IMPACTS, AND MANAGEMENT"; Organizers: Christina M. Giovas, Zhanna Antipushina and Catherine F. West. *Sala Retamo*.

- 09:00 hs. 016- Warren, R. E. *Multivariate Ordination of Freshwater Mussel Faunas in the Illinois River Basin, Illinois: Cultural and Environmental Correlates*.
- 09:20 hs. 018- Jerardino, A.; Greenacre, M. *Variability in Holocene shellfish assemblages from the West Coast of South Africa as revealed by multivariate analyses: dynamics of shoreline ecology, subsistence and settlement decisions, and biogeographic gradients*.
- 09:40 hs. 211- Deshpande-Mukherjee, A. *Application of Archaeomalacological data in the reconstruction of coastal environment around Harappan settlements in Gujarat*.
- 10:00 hs. 025- Whitaker, Adrian R.; Byrd, B. *Archaeological Data for Modern Conservation—Holocene Population Dynamics of Red Abalone (*Haliotis rufescens*) and Black Abalone (*Haliotis cracherodii*) in California, USA*.
- 10:20hs. 031- Giovas, Ch. *Sustainable Use and Resource Resilience: A Millennium of Pre-Columbian Mollusc Exploitation on Carriacou, Grenada, AD 400-1400*.
- 11:10 hs. 091- Conrad, C. *Contamination and Shifting Biogeography of Native Pacific Oysters (*Ostrea lurida*) During California's Gold Rush: Analytical Testing Utilizing Portable-X-ray Fluorescence*.
- 11:30 hs. 160- Hausmann, N.; Laurie, E. *Shellfish Ecology on the Farasan Islands, Red Sea*.
- 11:50 hs. 021- Mannino, Marcello A.; Bosch Marjolein D.; Prendergast Amy; O'Connell, Tamsin C.; Demarchi, B.; Wesselingh, F. *Advances in the archaeological study of marine mollusc assemblages: an interdisciplinary investigation on the Upper Palaeolithic shells from Ksâr'Akil (Lebanon)*.
- 12:10 hs. 040- Mannino, M.; Bosch, M.; Prendergast, A.; O'Connell, T.; Demarchi, B.; Wesselingh, F.; van der Plichtm, J.; Hublin, J-J. *Abrupt Climate Change in the Aleutian Islands, Alaska*.
- 12:30 hs. 092- Yanes, Y.; Izeta, A.; Cattaneo, R.; Costa, T.; Gordillo, S. *Holocene paleoenvironmental (~4.5-1.7 cal. kyr BP) conditions in central Argentina inferred from entire-shell and intra-shell stable isotope composition of land snails*.
- 14:30 hs. 022- Burchell, M. *Archaeological Implications of Scale and Resolution for the Stable Isotope Analysis of Shells: A Case Study from British Columbia, Canada*.
- 14:50 hs. 023- Klokler, D. *Coastal landscapes as built environments: studies of Brazilian shell mounds*.
- 15:10 hs. 075- Hoffman, E.; Fanning, P.; Holdaway, S.; Shiner, J.; Petchey, F. *Interpreting shell mounds from Weipa, far north Queensland, Australia: a geoarchaeological approach*.
- 15:30hs.-16:30 - **POSTER**
- 013- Hamdeen, Hamad Mohamed. *The Role of Molluscs in The Ancient Sudan*.
- 020- Antipushina, Z; Chevel, K.; Kosyan, A.; Leonova, E.; Tiunov, A. *Stable isotope analysis of shell organic matrix: some examples of application for palaeoenvironmental reconstructions*.
- 024- Le Goff, L.; Dupont, C. *Marine invertebrates and monastic establishments along the French Atlantic coast during the Middle Ages*.
- 026- Souza, R.; Marques Jr, A.; Macario, K.; Aguilera, O.; Alves, L.; Silva, E. *Mollusks from Sambaqui da Tarioba indicates thermal anomalies occurring at southeast brazilian coast during later Holocene*.
- 061- Song Yanbo; Jin Guiyun. *Shellfish measurements and seasonality based on growth-line and isotope data from Jiaodong Peninsula midden site*.

### Session 7 "RECENT ADVANCES IN UNDERSTANDING PAST TURKEY HUSBANDRY AND USE"; Organizers: Erin Kennedy Thornton and Kitty Emery. *Sala Chañares A*.

- 09:00 hs. 360- Corona-M., E. *Summary of turkey records in Mesoamerica*.
- 09:20 hs. 552- Lapham, H.; Feinman, G.; Nicholas, L. *Turkey Raising and Use at the Mitla Fortress, Oaxaca, Mexico*.
- 09:40 hs. 116- Reitz, E.; Speller, C. *A Puzzling 16th-century Turkey from Puerto Real, Hispaniola*.
- 10:00 hs. 296- Kunst, G.; Kühtreiber, T. *The turkey: a well adopted food item in Early Modern Age Vienna*.
- 10:20 hs. 279- Speller, C.; Corona-M., E.; Richards, M.; Munde, M.; Götz, C.; Valadez, R. *Mesoamerican turkey exploitation: insights from biomolecular analysis*.
- 11:10 hs. 151- Thornton, E.; Emery, K. *Ancient Maya Turkey Husbandry: Testing Theories through Stable Isotope Analysis*.

- 11:30 hs. 090- Jones, E.; Conrad, C. *Domestication, Climate and Turkey Diet at Tijeras Pueblo, New Mexico, U.S.A.: Carbon Isotopic Fractionation of Bone Collagen and Carbonate.*
- 11:50 hs. 037- Fothergill, T. *Reconstructing animal husbandry: Pathologies in Meleagris gallopavo (Domestic Turkey) in the American Southwest (c. AD 900-1678).*
- 12:10 hs. 210- Manin, A.; Cornette, R.; Abourachid, A.; Lefèvre, C. *Traditional morphometry and geometric morphometric in the study of the Mesoamerican turkey: methods and preliminary results.*
- 12:30 hs. 235- Emery, K.; Thornton, E.; Cunningham-Smith, P.; Duffy, L.; McIntosh, B.; Sharpe, A. *Testing osteometric and morphological methods for turkey species determination in Maya assemblages.*
- 14:30 hs. 555- Thornton, E.; Emery, K. *Hands-On Demonstration of Metric and Morphological Characters for Turkey Identification.*

**Session39 “THE SPREAD OF HERDING ACROSS ASIA”; Organizers: Jing Yuan, Zhipeng Li, Katherine Brunson, Peng Lu and Jean-Denis Vigne. Sala Chañares B.**

- 09:00 hs. 306- WU Xiaohong. *Isotopic evidence for pig husbandry during Early Neolithic Age in ancient China.*
- 09:20 hs. 286- VIGNE Jean-Denis; BRUNET Frédérique; DEBUE Karyne; KHUDZHANAZAROV Muhiddin. *Early domestic ungulates in Central Asia: archaeozoological results from Ajakagyta (Uzbekistan, Kel'teminar, 7th-5th millennia cal BC).*
- 09:40 hs. 196- LU Peng; Jing, YUAN; Zhipeng, LI. *Re-research on the origins of domestic cattle in China.*
- 10:00 hs. 067- YU Chong; YUAN Jing; VIGNE Jean-Denis; DOBNEY Keith. *The Origin of Taurine Cattle in Neolithic and Early Bronze Age China.*
- 10:20 hs. 083- CAI Dawei; Sun Yang; Tang Zhuowei; Hu Songmei; Li Wenying; Zhou Hui. *The origins of Chinese domestic cattle as revealed by Ancient DNA analysis.*
- 11:10 hs. 189- YANG Yimin. *Milking spread in China.*
- 11:30 hs. 206- ZHAO Chunyan; IV peng; Yuanjing; Yemaolin. *The use of strontium isotope analysis in the enamel from the archaeological fauna to investigate past feeding practices at the Lajia site.*
- 11:50 hs. 119- LI Zhipeng; Katherine Brunson; Lingling Dai. *The Zooarchaeological Study of Wool Exploitation from the Neolithic Age to the Early Bronze Age in the Heartland of China.*
- 12:10 hs. 134- Brunson, K. *Sheep and Cattle Exploitation at the Longshan sites of Taosi and Zhoujiazhuang.*
- 12:30 hs. 251- DAI, Lingling; Li, Zhipeng; Zhao, Chunqing; Hu, Yaowu. *Zooarchaeological Analysis of Faunal Remains from Xinzhai*
- 14:30 hs. 187- HU Yaowu. *The contribution of sheep to human society in central China from isotopic perspective.*
- 14:50 hs. 129- CHEN Xianglong; Guo Xiaoning; Hu Yaowu; Hu Songmei; Wang Weilin; Wang Changsui. *Farming vs. Herding: subsistent strategy during the late Neolithic evidenced by stable carbon and nitrogen isotopes in Shengedaliang, North Shaanxi, China.*
- 15:10 hs. 138- LIU, Yuyang; Yuan, Jing; Li, Zhipeng; Lv, Peng; Zhang, Xuelian. *Zooarchaeological Study of the Domesticated Horse in China.*
- 15:30 hs. 101- ZHAO Xin; Rodrigues Antonia; Cai Dawei; Zhou Hui; Yuan Jing; Yang Dongya. *Ancient DNA Studies of Early Domesticated Horses in China*
- 15:50 hs. 248- HAN Lu; Cai Dawei; Ning Chao; Chen Quanjia; Hu Songmei; Zhou Hui. *Ancient DNA provides new insights into the origin and domestic history of Chinese donkeys.*
- 16:10 hs. 636- HU Songmei; LiLiu; Shengping Yin; Xingchan Chen. *Buffalo remains unearthed in Shaanxi, China in recent years and the evolution of China's domestic buffalo.*
- 16:50 hs. 188- YOU Yue; Wang Jianxin; Zhao Xin; Chen Xianglong; Ma Jian; Yuan Jing. *A zooarchaeological reseach on bactrian camel bones in the Shirenzigou site, Xinjiang, China.*
- 17:10 hs. 229- DENG, Hui; Yuan, Jing; Wang, Chang-Sui; Gong, Guo-Qiang. *Meat Consumption Patterns of the Royal Family of the Tang Dynasty New evidence from the Taiye Lake Site of Daming Palace.*

**Session 18 “STORIES WRITTEN IN TEETH: NEW ARCHAEOLOGICAL INSIGHTS FROM TOOTH RELATED STUDIES”; Organizers: Florent Rivals, Edgard Camarós and Carlos Sánchez-Hernández. Sala Coirones A.**

- 09:00 hs. 042- Pérez-Crespo, V.; Arroyo-Cabrales, J.; Morales-Puente, P.; Cienfuegos-Alvarado, E.; Otero, J. *Isotopic information of meso and megamammals of Cedral, San Luis Potosí, México.*
- 09:20 hs. 079- Sánchez-Hernández, C.; Rivals, F.; Semprebon, G. *Detecting seasonality of Neanderthal occupations: why differences in tooth mesowear and microwear results lead to better dietary discrimination.*

- 09:40 hs. 379- Pilaar Birch, S. *Modern Datasets for Archaeologically-Linked Paleoclimate Reconstruction.*
- 10:00 hs. 288- Tornero, C.; Bălăşescu, A.; Chataigner, C.; Gasparyan, B.; Gasparyan, B.; Balasse, M. *Testing the model of seasonal occupation at Kalavan 1 camp site (Epigravettian, Armenia) through direct investigation of mouflon mobility strategy using sequential isotope analysis in teeth.*
- 10:20 hs. 508- Valenzuela-Lamas, S.; Evans, J.; López, D.; Jornet, R.; Albarella, U. *Livestock mobility basing on Strontium and Oxygen isotope analysis on sheep teeth: a perspective about seasonal movements in Iron Age Catalonia (North-Eastern Spain).*
- 11:10 hs. 353- Mainland, I.; Ewens, V. *Toiling with teeth: an integrated dental analysis of sheep and cattle dentition in Iron Age and Viking-Late Norse Orkney.*
- 11:30 hs. 648- Woollett, J.; Dupont-Hébert, C. *The perspective of cementochronology on a resilient mixed subsistence economy: tracing climate change impacts on seal hunting and sheep herding at two farms in coastal northern Iceland circa. AD 1300-1477.*
- 11:50 hs. 406- Smiarowski, K.; Woollett, J. *Hunting, Seasonality, and Age of Death of Migratory and Local Marine Resources in Medieval Norse Greenland. Enamel Microstructure and Cementum Analysis of Harp, Hooded and Harbour Seal Canines.*
- 12:10 hs. 32- Miller, S.; Allen, M. *Oral Pathologies in the Southern Cook Islands: A Study of Diet and Health in Sus scrofa on prehistoric Aitutaki.*

14:30 a 16:30 hs. **POSTER**

- 154- Samec, C.; Arzamendia, Y.; Baldo, J.; Panarello, H.; Yacobaccio, H. *Intra-individual variation in carbon and nitrogen isotope composition from bone and dentin collagen from modern wild camelids in the Dry Puna of Argentina.*
- 198- Parmigiani V.; Gourichon L. *Preliminary analysis of teeth cementum of Lama guanicoe for the estimation of age and season at death: Studies of modern specimens and further archaeological applications.*
- 283- Camarós, E.; Münzel, S.; Cueto, M.; Rivals, F.; Conard, N. *Hominid-Carnivore Paleolithic interaction written in teeth: Stories from the Swabian Jura (Germany).*
- 301- Worley, F.; Baker, P.; Popkin, P.; Hammon, A; Payne, S. *The Sheep Project: recent results on dental maturation and attrition in unimproved Shetland sheep.*
- 462- Cueto, M.; Álvarez-Fernández, E.; Rivero, O.; Tapia, J.; Camarós, E. *When teeth were fashion. Tooth ornaments from the Late Palaeolithic in Cantabrian region and the Pyrenees.*
- 481- Weber, S.; Price, M. *Analysis of Pig Husbandry Intensification in Northern Mesopotamia through Plant Microfossils Trapped in Dental Calculus.*

**Sesion 28 "SOUTH AMERICAN CAMELIDS: ZOOARCHAEOLOGY OF CO-EVOLUTION"; Organizers: Katherine M. Moore and Guillermo Luis Mengoni G. Sala Coirones B.**

- 09:00 hs. 099- Uzawa, K.; Takigami, M.; Oldñes, M.; Aleman, D.; Villanueva, J.; Seki, Y. *Early Domesticated Camelid Dispersal and Breeding at the Pacopampa site, Northern Highlands of Perú.*
- 09:20 hs. 302- Dufour, E; Goepfert, N. *New insights into Andean camelid herding based on a multi-isotopic and diachronic approach.*
- 09:40 hs. 535- Goepfert, N. *Camelids and complex pre-Hispanic cultures: 4000 years of an anthropozoological relation in Northern Perú.*
- 10:00 hs. 295- Moore, K. *Hunting Vicuña and Guanaco at High Altitude in the Prehistory of the Central Andes.*
- 10:20 hs. 118- deFrance, S. *Camelids, Selection Practices, and Identity on the Tiwanaku Frontier.*
- 11:10 hs. 335- Cartajena, I.; López, P.; Santander, B.; Núñez, L.; Rivera, B. *The nature of discarding and ritual practices among complex hunters gatherers and early herders in the western slope of the Atacama Puna (ca. 5200-2300 years cal. B.P.).*
- 11:30 hs. 132- López, G. *Adaptación humana y procesos de cambio en el uso de los camélidos a lo largo del Holoceno, Puna de Salta, Argentina.*
- 11:50 hs. 285- Dantas, M.; Knudson, K. *Isótopos radiogénicos de estroncio y estrategias de cría y circulación de camélidos en el valle de Ambato (Catamarca, Argentina).*
- 12:10 hs. 152- Mercolli, P. *Estrategias pastoriles prehispánicas en la Quebrada de Humahuaca, Pcia. de Jujuy, Argentina.*
- 12:30 hs. 182- L'Heureux, G. L. *Lama guanicoe and humans: 12,000 years of coevolution. The morphological consequences of the interaction between guanacos and modern human populations in Patagonia.*
- 14:30 hs. 371- Mengoni Goñalons, G. *Fur trade and guanaco hunting In Patagonia during historic times.*
- 14:50 hs. – 15:10hs. **POSTER**

