

## SCIENTIFIC & SOCIAL SCHEDULE

<i>Monday, May 8</i>		<i>Tuesday, May 9</i>		<i>Wednesday, May 10</i>		<i>Thursday, May 11</i>		<i>Friday, May 12</i>			
9:00	REGISTRATION	9:00	Scientific Session 3	8:00	MID-MEETING EXCURSION	9:00	Plenary Talk 3	7:30	POST-MEETING EXCURSION		
							10:00	Scientific Session 8			
		10:45	coffee break				10:45	coffee break			
11:00	WELCOME	11:15	Scientific Session 4				11:15	Poster Session			
12:00	Plenary Talk 1										
13:00	lunch	13:00	lunch			13:00	lunch				
15:00	Scientific Session 1	15:00	Scientific Session 5	15:00	Plenary Talk 2	15:00	Business Meeting				
16:00	coffee break	16:00	coffee break	16:00	coffee break						
16:30	Scientific Session 2	16:30	Scientific Session 6	16:30	Scientific Session 7	17:00					
18:00		17:45		17:45							
19:30	ICEBREAKER	18:00	OLD TOWN TOUR	18:00	Auction	19:30	CLOSING DINNER	19:30			

10<sup>th</sup> International Meeting of the Society of Avian Paleontology and Evolution, Málaga (Spain), May 8-12, 2023

<i>Monday, May 8</i>		<i>Speaker</i>	<i>Communication</i>
<b>Plenary Talk 1</b>	PT1	<b>Gerald Mayr</b>	THE PALEOGENE RADIATION AND ANCESTRAL MORPHOLOGY OF "HIGHER LANDBIRDS"
<b>Scientific Session 1 EVO DEVO</b> (Chair: Jorge Cubo)	O1	<b>Daniel Smith-Paredes</b>	EMBRYOLOGICAL DEVELOPMENT AND EVOLUTION OF THE AVIAN FLYING APPARATUS
	O2	<b>José A. Palma Liberona</b>	EFFECT OF MUSCLE ACTIVITY IN THE DEVELOPMENT OF THE MORPHOLOGY OF THE CHICKEN HUMERUS
	O3	<b>Dana Jones Rashid</b>	INFLAMMATION DRIVES VERTEBRAL FUSION IN AVIAN DINOSAURS
	O4	<b>Olivia Plateau</b>	COMPARATIVE DIGITAL RECONSTRUCTION OF PICA PICA AND STRUTHIO CAMELUS AND THEIR ONTOGENETIC SKULL VARIATION
<b>Scientific Session 2 MACROEVOLUTION 1</b> (Chair: Gerald Mayr)	O5	<b>Daniel J. Field</b>	TWO SPECIAL LUMPS OF STONE: INSIGHTS INTO MODERN BIRD ORIGINS FROM THE TYPE MAASTRICHTIAN
	O6	<b>Albert Chen</b>	THE EARLY EVOLUTION OF CROWN BIRDS: PHYLOGENETIC AND MORPHOLOGICAL CASE STUDIES
	O7	<b>Guille Navalón</b>	THREE-DIMENSIONAL BRAINCASES OF MESOZOIC STEM-BIRDS SUGGEST COMPLEX ORIGINS OF THE MODERN AVIAN BRAIN AND INNER EAR
	O8	<b>Juan Benito</b>	NEW INSIGHTS INTO THE ANCESTRAL CONDITION OF NEORNITHES FROM THE FOSSIL RECORD OF CROWNWARD STEM BIRDS
	O9	<b>Andrew R Brinkworth</b>	BIRD CLADES WITH LESS COMPLEX APPENDICULAR SKELETONS TEND TO BE MORE DIVERSE
	O10	<b>Elizabeth M. Steel</b>	EVALUATING HOMOPLASY AND EVOLUTIONARY CONSTRAINT IN THE PASSERINE APPENDICULAR SKELETON
<i>Tuesday, May 9</i>		<i>Speaker</i>	<i>Communication</i>
<b>Scientific Session 3 MACROEVOLUTION 2</b> (Chair: Daniel J. Field)	O11	<b>Pei-Chen Kuo</b>	ECOMORPHOLOGY AND MACROEVOLUTION OF THE AVIAN QUADRATE
	O12	<b>Idriss Pelletan</b>	STUDY OF THE SECOND MECHANORECEPTIVE ORGAN OF BIRDS, THE LSO
	O13	<b>Junya Watanabe</b>	REVISITING THE CONVERGENCE AND PAEDOMORPHOSIS IN FLIGHTLESS WING-PROPELLED DIVING BIRDS
	O14	<b>Martin Segesdi</b>	THREE-DIMENSIONAL MORPHOLOGICAL ANALYSIS OF LIMB LONG BONES IN AQUATIC BIRDS – TRANSITIONS FOR LOCOMOTION IN WATER, ON LAND, AND IN AIR
	O15	<b>Talia Lowi-Merri</b>	THE UTILITY OF STERNUM MORPHOLOGY FOR RECONSTRUCTING LOCOMOTION IN FOSSIL PARAVIANS
	O16	<b>Oliver E. Demuth</b>	WING MOVEMENT AND JOINT MOBILITY WITHIN NEORNITHES – IMPLICATIONS FOR THE EVOLUTION OF AVIAN FLIGHT
	O17	<b>Maria Grace Burton</b>	EVOLUTION OF AVIAN POSTCRANIAL SKELETAL PNEUMATICITY ILLUMINATED BY DIRECT QUANTIFICATION OF AIR AND SOFT TISSUE PROPORTIONS
<b>Scientific Session 4 CENOZOIC BIRDS 1</b> (Chair: Adam Smith)	O18	<b>Daniel T. Ksepka</b>	NEW OLIGOCENE FOSSILS OF PAN-SULIDAE AND THE EFFECTS OF SKELETAL PNEUMATICITY ON PHYLOGENETIC ANALYSES
	O19	<b>Klara Widrig</b>	NEUROCRANIUM OF LITHORNIS VULTURINUS PROVIDES INSIGHTS INTO PALAEONEUROLOGY OF STEM PALAEOGNATHS AND EARLY CROWN BIRDS
	O20	<b>Carla du Toit</b>	PROBING INTO A TOUCHY SUBJECT: USING OSTEOLOGICAL CORRELATES FOR SOFT TISSUE STRUCTURES IN THE BEAKS OF BIRDS TO SHED LIGHT ON THE REMARKABLE TACTILE ORGANS OF EARLY PALAEOGNATHOUS BIRDS
	O21	<b>Phoebe McInerney</b>	THE CONFOUNDING MOSAIC CRANIAL MORPHOLOGY OF THE GIANT DROMORNITHIDAE
	O22	<b>Jacob C. Blokland</b>	AN ASSESSMENT OF THE AFFINITIES OF AUSTRALIAN OLIGOCENE AND MIOCENE RAIL-LIKE BIRDS (AVES, RALLOIDEA)
	O23	<b>Alida Bailleul</b>	MICROSCOPIC EXAMINATION OF A MIOCENE OSTRICH EGGSHELL WITH MINERAL-BOUND PEPTIDES
	O24	<b>Anusuya Chinsamy</b>	PALAEOBIOLOGICAL IMPLICATIONS OF THE OSTEOHISTOLOGY OF GASTORNITHIDAE

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<b>Scientific Session 5 CENOZOIC BIRDS 2</b> (Chair: Anusuya Chinsamy)	O25	Trevor Worthy	A SYNOPSIS OF THE ST BATHANS FAUNA FROM THE EARLY MIOCENE OF NEW ZEALAND
	O26	Marco Pavia	THE ANALYSIS OF BARN OWLS FROM THE CRADLE OF HUMANKIND (SOUTH AFRICA) SHEDS NEW LIGHT ON THE EVOLUTION OF COMMON BARN OWL (TYTO ALBA)
	O27	Hanneke J.M. Meijer	BIOGEOGRAPHY AND PALEOBIOLOGY OF GIANT MARABOU STORKS IN ASIA
	O28	Ellen K. Mather	FOSSILS REVEAL THREE EXTINCT LARGE INLAND RAPTORS FROM THE LATE PLEISTOCENE OF AUSTRALIA
<b>Scientific Session 6 CENOZOIC BIRDS 3</b> (Chair: Trevor Worthy)	O29	Sarah N. Davis	THE DISTRIBUTION OF CAROTENOID CONSISTENT COLORATION ACROSS INTEGUMENTARY STRUCTURES IN BIRDS AND IMPLICATIONS FOR STUDYING CAROTENOIDS IN EXTINCT TAXA
	O30	Mario Marqueta	THE END OF THE PLEISTOCENE IN SOUTHWESTERN EUROPE: THE AVIAN ASSEMBLAGES FROM H3 TO LGM IN THE ALT CAMP REGION (NORTH OF THE IBERIAN PENINSULA)
	O31	Antoine Louchart	NEW FIELDWORK, SUBFOSSIL BIRDS, AND THE PROJECT "ATLANTAVES" ON THE OCEANIC ISLAND OF SAINT HELENA (UK, SOUTH ATLANTIC)
	O32	Anaïs Duhamel	TOWARDS A TRACKING OF BIRDS' MIGRATORY BEHAVIOURS THROUGH GEOLOGICAL TIMES: AN ISOTOPIC AND HISTOLOGICAL APPROACH
	O33	Antonio Román Muñoz	ATTENDING A CONGRESS, BUT STILL LOOKING AT THE SKY. A BRIEF INTRODUCTION TO THE BIRDS OF MALAGA
<b>Wednesday, May 10</b>		<b>Speaker</b>	<b>Communication</b>
<b>Plenary Talk 2</b>	PT2	Jesús Marugán	<i>CONFUCIUSORNIS</i> AND THE AVIAN CONDITION, OR THINGS ARE SELDOM WHAT THEY SEEM
<b>Scientific session 7 MESOZOIC AVIAN AND NON- AVIAN DINOSAURS 1</b> (Chair: Jesús Marugán)	O34	Lucas Legendre	SHIFTS IN AVIAN EGG SHELL THICKNESS ARE RELATED TO ACQUISITION OF FLIGHT IN NON-AVIAN DINOSAURS
	O35	Dennis Voeten	DIVERGENT OSTEOHISTOLOGY IN SMALL ARCHAEOPTERYX SPECIMENS REVEALS DEVELOPMENTAL DECOUPLING OF ANTERIOR AND POSTERIOR LIMB BONES
	O36	Zhiheng Li	COMPARATIVE MICROSTRUCTURAL STUDY ON THE TEETH OF MESOZOIC BIRDS AND NON-AVIAN DINOSAURS
	O37	Yun-Hsin Wu	TOOTH DEVELOPMENT AND DENTAL REPLACEMENT OF MESOZOIC BIRDS
	O38	Luis M. Chiappe	FEATHER-FEEDING BEETLES ASSOCIATED TO FEATHERS IN LOWER CRETACEOUS SPANISH AMBERS
<b>Thursday, May 11</b>		<b>Speaker</b>	<b>Communication</b>
<b>Plenary Talk 3</b>	PT3	Jingmai O'Connor	THE BIZARRE BIOLOGY OF ENANTIORNITHES
<b>Scientific Session 8 MESOZOIC AVIAN AND NON-AVIAN DINOSAURS 2</b> (Chair: Jingmai O'Connor)	O39	Jorge Cubo	WERE CONCORNIS AND IBEROMESORNIS (ORNITHOTHORACES, ENANTIORNITHES) WARM-BLOODED? A PALAEOHISTOLOGICAL ANALYSIS SUGGESTS ENDOTHERMY
	O40	Jessie Atterholt	OSTEOHISTOLOGY OF ENANTIORNITHINE BIRDS FROM THE LOWER CRETACEOUS XIAGOU FORMATION IN CHANGMA, NORTHWESTERN CHINA
	O41	Wang Min	NEW ENANTIORNITHINE BIRD SHEDS INSIGHT INTO THE EVOLUTIONARY ASSEMBLAGE OF AVIAN CRANIAL KINESIS
<b>Poster Session</b> (Chair: Luis M. Chiappe)	P1	Carmen Urban	DESCRIPTION AND COMPARISON OF OSTRICH AND COMMON QUAIL NATAL DOWN: DEVELOPMENTAL IMPLICATIONS
	P2	Mireia Costa-Pérez	THE CORRELATION OF SYNACRUM LENGTH AND NUMBER OF CO-OSSIFIED SYNACRACAL VERTEBRAE ACROSS THE EVOLUTION OF BIRDS
	P3	Abigail Crane	COMPARATIVE MORPHOLOGY OF THE AVIAN MANDIBLE: PHYLOGENETIC IMPLICATIONS FOR THE FOSSIL RECORD OF EARLY CROWN BIRDS
	P4	Jessica Valdes	IMPROVED ACCURACY OF U-SERIES AND RADIOCARBON DATING OF OSTRICH EGG SHELL: IMPLICATIONS FOR CLARIFYING OSTRICH BIOGEOGRAPHY IN NORTHWEST ETHIOPIA
	P5	Prapai Warapeang	EARLIEST CENOZOIC BIRDS OF THAILAND
	P6	Lucy Jordan	ILLUSTRATING THE CENOZOIC AVIARY

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P7	<b>Carmen Nuñez-Lahuerta</b>	TWO DIFFERENT RAVEN SPECIES IN THE EARLY AND MIDDLE PLEISTOCENE OF THE ATAPUERCA COMPLEX, SPAIN: CORVUS PLICOAENUS VS. CORVUS CORAX ANTECORAX
P8	<b>Carmen Nuñez-Lahuerta</b>	ON THE ULTRASTRUCTURE OF THE EXTINCT PUFFINUS HOLEAE EGG SHELL (UPPER PLEISTOCENE, CANARY ISLANDS)
P9	<b>Kenneth Bader</b>	LATE PLEISTOCENE AVIFAUNA OF COASTAL TEXAS, USA
P10	<b>Sarah Guzinski</b>	3D MUSCULOSKELETAL MODEL AND ANALYSIS OF THE RHEA AMERICANA FORELIMB
P11	<b>Hu Dongyu</b>	COMPUTED TOMOGRAPHIC ANALYSIS OF THE PECTORAL GIRDLES OF EARLY-DIVERGING PENNARAPTORANS, AND IMPLICATIONS FOR UNDERSTANDING EARLY FLIGHT EVOLUTION
P12	<b>Álex Pérez Ramos</b>	FUNCTIONAL ASSESSMENT OF THE SPINE CONFIGURATION ACROSS THE EVOLUTION OF BIRDS
P13	<b>Javier Castro Terol</b>	REEVALUATION OF IBEROMESORNIS ROMERALI FROM NANO-CT REVEALS NEW INSIGHTS OF THE PECTORAL GIRDLE AND HUMERUS ANATOMY
P14	<b>Sergio M. Nebreda</b>	BIRDING IN THE EARLY CRETACEOUS WETLAND OF LAS HOYAS: PALAEO DIVERSITY, LIFE-HISTORY AND PALAEO ECOLOGY
P15	<b>Sergio Álvarez-Parra</b>	DINOSAUR FEATHERS IN LOWER CRETACEOUS SPANISH AMBERS