

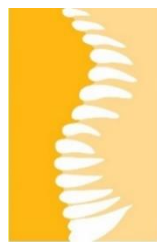


NOW 25th Anniversary Meeting

Sabadell (Barcelona), 16–18 November 2022

Organized by the Institut Català de Paleontologia Miquel
Crusafont (ICP)

PROGRAM



ICP^R

Institut Català de Paleontologia
Miquel Crusafont



Organizing committee

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Juha Saarinen (University of Helsinki)
Lars W. Van den Hoek Ostende (Naturalis Biodiversity Center)
Indrė Žliobaitė (University of Helsinki)

Part of R+D+I project PID2020-117289GBI00



Sponsors



Program at a glance:

	Wednesday 16	Thursday 17	Friday 18	
09:00-09:15	REGISTRATION	Žliobaitė	Bus travel from Sabadell to Subirats	
09:15-09:30				
09:30-09:45				Welcome
09:45-10:00				Fortelius
10:00-10:15		Foister	Stop 1: Castell de Subirats	
10:15-10:30		Janis		
10:30-10:45		Saarinen	Stop 2: Casots fossil site	
10:45-11:00	Aiglstorfer	Samuels		
11:00-11:15	COFFE BREAK	COFFE BREAK		
11:15-11:30				
11:30-11:45	Bilgin	Sanisidro	Visit Caves Olivé i Batllori	
11:45-12:00	Kordos	Wilson		
12:00-12:15	Moya-Costa	Hopkins		
12:15-12:30	Agustí	Parker		
12:30-12:45	Sinitsa	Alba		
12:45-13:00	Skandalos	Arranz		
13:00-13:15	LUNCH	LUNCH		LUNCH
13:15-13:30				
13:30-13:45				
13:45-14:00				
14:00-14:15	Van Dam	McKenzie		
14:15-14:30	Van der Made	Navarro Cascalló		
14:30-14:45	Pushkina	Aiglstorfer		
14:45-15:00	Benevento	Barry		
15:00-15:15	Bernor	Belmaker	Stop 3: Can Sala Coral Reef	
15:15-15:30	Cailleux	Sánchez López		
15:30-15:45	COFFE BREAK	COFFE BREAK	Bus travel from Subirats to Hostalets de Pierola	
15:45-16:00				
16:00-16:15	Flynn	Talavaara		
16:15-16:30	Liu	Lintulaakso		
16:30-16:45	Mennecart	DISCUSSION	Stop 4: Can Mata fossil sites	
16:45-17:00	Braumuller			
17:00-17:15		CLOSURE	bus travel from Hostalets de Pierola to Sabadell	
17:15-17:30		Modernist tour Sabadell		
17:30-17:45				
17:45-18:00				
18:00-18:15				
18:15-18:30				
18:30-18:45		Beer at the ICP museum		
18:45-19:00				
19:00-19:15				
19:15-19:30				

Detailed program

INVITED KEYNOTES:

Wednesday 16th, 09:45–10:45

Mikael Fortelius, NOW co-founder and honorary member, University of Helsinki (Finland). *NOW as it happened: The first decades*

Thursday 17th, 09:00–10:00

Indrė Žliobaitė, NOW general coordinator, University of Helsinki (Finland). *Teeth, limits and NOW: What can we expect from the Red Queens perspective*

THEMATIC SESSIONS:

Oral communications, bold font indicates presenting author.

The times they are a changin': Systematics and biochronology

Wednesday 16th, 10:45–14:45

Chair: Manuela Aiglstorfer, Naturhistorisches Museum Mainz/Landessammlung für Naturkunde Rheinland-Pfalz (Mainz, Germany)

10:45 **Aiglstorfer, M.**, Lischewsky, B., Grimm, K., & Grimm, M. Eppelsheim—A key site for mammalian paleontology revisited

11:30 **Bilgin, M.**, Joniak, P., Mayda, S., Peláez-Campomanes, P., Gökteş, F., & van den Hoek Ostende, L. W. Updated Early Miocene biochronology of Anatolia

11:45 **Kordos, L.**, & Mészáros, I. Late Miocene habitat changes in the same section at Alsótelekes close to Rudabánya (NE Hungary)

12:00 **Moya-Costa, R.**, Cuenca-Bescós, G., & Rofes, J. The soricids (Eulipotyphla, Mammalia) of Gran Dolina (Early– Middle Pleistocene, N Spain): Systematics and biochronological implications

12:15 Piñero, P., Martín-Perea, D. M., Sevilla, P., **Agustí, J.**, Blain, H.-A., Furió, M., Laplana, C. La Piquera: A new early Ruscinian karstic site from central Spain

12:30 **Sinitsa, M. V.** Evolutionary history and dispersal of Holarctic ground squirrels (Rodentia, Xerinae, Marmotini)

12:45 **Skandalos, P.**, Joniak, P., & van den Hoek Ostende, L. W. Enamel free areas, the key to unlock Arvicolinae taxonomy

14:00 **Van Dam, J. A.**, Mein, P., Garcés, M., van Balen, R. T., Furió, M., & Alcalá, L. Between local zones and MN units: A new inter-basinal rodent zonation for the late Neogene of Spain

14:15 **Van der Made, J.** An updated range chart for the Oligocene to recent west Eurasian Suoidea. Variation in species richness

14:30 **Pushkina, D.** Biochronology of the Pleistocene localities in Northern Eurasia with the emphasis on large mammals of the former USSR territories

New avenues for incredibly old travelers: Modern-day paleobiogeography and paleobiodiversity research and future directions

Wednesday 16th, 14:45–17:00

Chair: Pasquale Raia, Università degli Studi di Napoli Federico II (Naples, Italy)

14:45 **Benevento, G. L.**, Meijer, N., Mulch, A., & Fritz, S. Middle Eocene aridification drove a drop in Asian mammal biodiversity that preceded the Eocene–Oligocene Transition

15:00 **Bernor, R. L.**, Cirilli, O., & Kaya, F. Old World Equidae dispersals, evolutionary radiations, and biogeographic extensions since 11.1 Ma

15:15 **Cailleux, F.**, van den Hoek Ostende, L. W., Mein, P., & Joniak, P. Paleopathologies and bite marks: The last stand of the Miocene gymnure *Galerix stehlini* (Mammalia, Eulipotyphla)

16:00 **Flynn, L. J.**, & Morgan, M. E. Siwalik rodent relative abundances and recognition of metacommunities

16:15 **Liu, L.**, Galbrun, E., Tang, H., Kaakinen, A., Zhang, Z., & Žliobaitė, I. Computational ecoregions in Asia in the present and the past

16:30 **Mennecart, B.** The earliest ruminants from Western Europe, two different stories, two different Asiatic origins

16:45 **Madern, A., Braumüller, Y.**, Mavikurt, A. C., Berwerff, L., Janssen, N., Cantalapiedra, J., Casanovas-Vilar, I., van Welzen, P. & van den Hoek Ostende, L. W. Where's dinner? Variation in carnivoran distributional responses to Vallesian faunal turnover

Ecometric and paleoecological research based on the NOW database – Novel research questions, data and methods to unravel large-scale climate, paleoenvironments and biotic patterns

Thursday 17th, 10:00–12:30

Chair: Juha Saarinen, University of Helsinki (Helsinki, Finland)

10:00 **Foister, T. I. F.**, Fortelius, M., Talavaara, M., & Žliobaitė, I. An assessment of heterogeneity in hominin paleoecology through hypsodonty of mammalian communities

10:15 **Janis, C. M.** Asymmetry of evolutionary patterns between Old World and New World equids

10:30 **Saarinen, J.** Elephants and environments—new developments in understanding the evolution and ecometrics of Proboscidea during the Cenozoic

- 10:45 **Samuels, J. X.**, & Schap, J. A. Climate and habitat changes drove mammal community evolution through the Cenozoic of Oregon: Comparing community structures to paleoclimate data
- 11:30 **Sanisidro, Ó.**, Cantalapiedra, J. L., Zhang, H., Alberdi, M. T., Prado, J. L., Blanco, F. & Saareinen, J. The life history of proboscidean functional diversity
- 11:45 **Wilson, O.**, Parker, A. & Saareinen, J. Community composition scoring using a pre-human baseline: Applications for conservation, taphonomy, climate reconstruction
- 12:00 **Hopkins, S. B.** The effects of Cenozoic ecosystem change on small mammal community ecology over three continents
- 12:15 **Parker, A.**, Liu, L., Talavaara, M., Kaakinen & Žliobaitė, I. A recommender systems approach to reconstructing mammal faunas across Pleistocene Eurasia

The Vallès-Penedès Basin: A high-resolution continental record of Miocene climatic and biotic dynamics

Thursday 17th, 12:30–14:30

Chair: Isaac Casanovas-Vilar, Institut Català de Paleontologia Miquel Crusafont (Sabadell, Spain)

- 12:30 **Alba, D. M.**, Torres, J., DeMiguel, D., Casanovas-Vilar, I. The Vallès-Penedès Miocene Vertebrates Paleobiodiversity Database
- 12:45 **Arranz, S. G.**, Casanovas-Vilar, I., Alba, D. M. Paleoenvironmental inferences on the Late Miocene hominoid-bearing site of Can Llobateres (NE Iberian Peninsula): An ecometric approach based on functional dental traits
- 14:00 **McKenzie, S.**, Sorbelli, L., Cherin, M., Almécija, S., Pina, M., Abella, J., Luján, À. H., DeMiguel, D., Alba, D. M. Earliest Vallesian suid remains from Creu de Conill 20 (Vallès-Penedès Basin, NE Iberian Peninsula)
- 14:15 **Navarro Cascalló, J.**, Abella, J., Luján, À. H., Sánchez, I. M., Casanovas-Vilar, I. Diet and habitat of *Ampelomeryx ginsburgi* (Artidactyla: Palaeomerycidae) of the Middle Miocene site of els Casots (Vallès-Penedès Basin, Catalonia)

Data Management, Development, and Expansions of NOW

Thursday 17th, 14:30–16:30

Chair: Kari Lintulaakso, Finish Museum of Natural History LUOMUS (Helsinki, Finland)

- 14:30 **Aiglstorfer, M.**, Žliobaitė, I., Amson, E., Lintulaakso, K., & Heizmann, E. Going digital—The Elmar Heizmann Typenkatalog
- 14:45 **Barry, J. C.**, **Behrensmeyer, A. K.**, Morgan, M. E., & Pilbeam, D. R. The Harvard–Geological Survey of Pakistan Siwalik Database
- 15:00 **Belmaker, M.** The potential of intraspecies ecometrics in NOW: *Microtus guentheri* (Rodentia, Cricetidae) mesowear as an example

- 15:15 **Sánchez López, L.**, Ruiz-Sánchez, F. J., & Fagoaga, A. New contributions to the knowledge of the paleobiogeographical context of the Late Miocene–Early Pliocene rodent fauna from the Iberian Peninsula
- 16:00 **Talavaara, M.**, Belmaker, M., Vepsäläinen, J., Lintulaakso, K., & Žliobaitė, I. Archaeology tab—A new feature in the NOW database
- 16:15 **Lintulaakso, K.**, Žliobaitė, I. The future and current NOW