

International Conference on Vertebrate Palaeobiogeography

**and continental bridges across Tethys,
Mesogaea, and Mediterranean Sea**



PROGRAM

**Museo Geologico Giovanni Capellini
Dipartimento di Scienze della Terra e Geologico-Ambientali**

**28-29 September 2009
Bologna, Italia**

Sunday, 27 September

Where: Dipartimento di Scienze della Terra e Geologico-Ambientali
Via Zamboni 67, 40126 Bologna
Aula Magna, Room G1

Museo Geologico Giovanni Capellini
Via Zamboni 63, 40126 Bologna
(Access also from the Department)

Program

14.00 – 19.00

Conference participants can register at the Registration Desk located in the main hall the Department.

It will be also possible to visit the rich collection of the Museo Geologico e Paleontologico Giovanni Capellini and in particular the exhibition “*Dinosaurs of Italy*”

17.45 Conference participants gather in the Aula Magna (G1) for the opening speech of the International Conference given by the President of the Italian Geological Society **Carlo Doglioni**

18.30 Concert performed by the *Athena Choir* of the Museo Civico Archeologico of Bologna, conducted by Marco Fanti

19.10 Lecture on the topic “*Tyrannosaurid Palaeobiogeography*” by **Philip J. Currie**, University of Alberta, Edmonton (Canada).

19.30 Ice-breaking in the main hall of the Department

Monday, 28 September

Where: Dipartimento di Scienze della Terra e Geologico-Ambientali
Via Zamboni 67, 40127 Bologna

Aula Magna, Room G1

Palaeogeography and Palaeobiogeography Sessions

Morning session

- 8.30** Palaeobiogeography constraints to Pangaea from Late Carboniferous to Early Permian
Vai, G.B.
- 9.10** Palaeobiogeography and migration ways of Tethyidian Vertebrates during Middle–Late Triassic
Tintori, A., Jiang, D., Motani, R., Rieppel, O., Gaetani, M., and Sun, Z.
- 9.30** Early Jurassic dinosaur tracks in the Southern Alps: where did they come from?
Petti, F., Avanzini, M., and Picotti, V.
- 9.50** Back to Adria, the African Promontory: geological and palaeontological constraints from central and southern Italy
Cillari, A., Di Stefano, P., Guzzetta, D., Nicosia, U., Petti, F., and Zarcone, G.
- 10.10** Discussion
- 10.15** Break
- 10.45** A Lost World: The Marine Squamates of the Late Mesozoic Tethys Seaway
Caldwell, M.
- 11.10** Long before Columbus: palaeobiogeography of plioplatecarpine mosasaurs (Squamata: Mosasauridae) across the North Atlantic Basin, inferred from the global plioplatecarpine phylogeny
Konishi, T., and Caldwell, M.
- 11.30** Sample size, taxonomic resolution, and provincialism/gradient in vertebrate palaeobiogeography: examples from the Late Cretaceous of western North America
Miyashita, T., and Fanti, F.
- 11.50** Discussion
- 12.30** Lunch break and poster viewing

Afternoon session

- 14.30** The biogeography of spinosaurid dinosaurs: a review
Buffetaut, E.
- 15.00** Was there a Late Cretaceous biogeographic connection between India and Afro-Arabia?
Prasad, G., and Gheerbrant, E.

- 15.30** Geologic context and palaeoenvironment of Mesozoic vertebrates fauna of southern Tunisia
Bouaziz, S., Ouaja, M., Belhadi, H., and Aljane, H.
- 15.50** Vertebrate remains from the Barremian-Cenomanian (Early Cretaceous) coastal deposits of South Tunisia
Contessi, M.
- 16.10** Discussion
- 16.20** Break
- 16.50** The skeleton of *Diplodocus* exhibited in Madrid: a gift from Andrew Carnegie to Alfonso XIII, King of Spain
Pèrez-García, A., and Sánchez Chillon, B.
- 17.10** Deep sea fish fauna as palaeoecological indicator of the Oligocene sediments of the Carpathians
Gregorova, R.
- 17.30** Collection of palaeontologic types in the Museo Geologico Giovanni Capellini: Creation of digital database on morphometries acquired with 3D survey technologies for the study of fossils
Balzani, M., Fanti, F., Ferrari, F., Vai, G.B., and Vanucci, C.
- 17.50** Discussion

POSTERS

Dipartimento di Scienze della Terra e Geologico-Ambientali First Floor

- #1** Early Middle Pleistocene vertebrates from the Mt. Vulture area (Venosa Basin, north-eastern Basilicata, Italy).
Barbera, C., Laviano, A., Conte, M., Lamagna, R., Raia, P., and Summa, M.
- #2** The Cretaceous preafrikan furrow in the Bechar area (Algeria) and its marine and continental vertebrate fossils
Benyoucef, M., Bendella, M., and Malti, F.Z.
- #3** Application of medical imaging techniques on bone anomalies of a Pleistocene dolphin from Salento (Southern Italy)
Cherin, M., Fornaciari, G., Tinelli, C., and Bianucci, G.
- #4** Stratigraphic revision of the Early Cretaceous “*Continental intercalare*”, Tataouine region, southern Tunisia: palaeogeographic implications
Franchi, F.
- #5** A revision of the short-faced stereospondyls *Mahavisaurus dentatus* and *Lyrosaurus australis* from the Lower Triassic of Madagascar: cranial anatomy, phylogeny, ontogenic remarks, and palaeoecology
Maganuco, S., and Pasini, G.

Tuesday 29, September

Where: Dipartimento di Scienze della Terra e Geologico-Ambientali
Via Zamboni 67, 40127 Bologna

Aula Magna, Room G1

Vertebrate Palaeontology and Anthropology Sessions

Morning session

- 8.30** From *Diplodocus* to *Tazoudasaurus*, a brief survey of the discovery of American and African Sauropods
Taquet, P.
- 9.00** Histology and skeletochronology of the horned dinosaur *Pachyrhinosaurus lakustai* from the Late Cretaceous Wapiti Formation of Northwestern Alberta, Canada
McNeil, P.
- 9.20** A partial braincase of *Gorgosaurus libratus* from the Prince Creek Formation (Maastrichtian), Alaska: an old biogeographic idea revisited
Fiorillo, A.
- 9.45** Break
- 10.20** *Scipionyx samniticus*: a case-history for a multi-disciplinary approach in vertebrate palaeontology
Dal Sasso, C., and Maganuco, S.
- 11.00** New shark from the Upper Cretaceous of the Venetian Prealps (Castellavazzo, Belluno province, Northern Italy)
Trevisani, E.
- 11.20** Pliocene marine mammals from Italy: a systematic and stratigraphic overview
Bianucci, G., Sorbi, S., Vaiani, S., and Landini, W.
- 11.40** Vertebrate biological events and Pleistocene biogeographic history of Sicily
Bonfiglio, L., Locatelli, E., Mangano, G., Masini, F., Pavia, M., Petruso, D., Sala, B., and Surdi, G.
- 12.00** Discussion
- 12.30** Lunch break and poster viewing

Afternoon session

- 14.30** The Plio-Pleistocene access of terrestrial mammals to the Italian Peninsula
Sala, B., and Locatelli, E.
- 15.00** The age of immigration of the Gargano and Scontrone vertebrate faunas
Freudenthal, M., and Martín-Suárez, E.

- 15.20** How, when and where from of the Abruzzo-Apulian palaeofauna
Mazza, P., Delfino, M., Ostende Hoek, L., Masini, F., Pavia, M., Rinaldi, P. M., and Rustioni, M.
- 15.40** Mammals and changing geography of emerged lands: the Late Miocene of the Tyrrhenian Area
Rook, L., Marra, A.C., and Sardella, R.
- 16.00** Break
- 16.30** The Pleistocene *Homo* from NE Africa to Eurasia: palaeoenvironmental clues from Eritrea and Sudan
Abbate, E.
- 17.00** Palaeoenvironmental and Palaeobiogeographical context of the earliest dispersal of the genus *Homo* in Europe: evidences from Early Pleistocene in Italy
Petronio, C., Pavia, G., Peretto, C., and Sardella, R.
- 17.20** Islands, faunas and palaeogeography. The use of insular vertebrates in palaeogeographic reconstructions
Masini, F., Petruso, D., and Surdi, G.
- 17.40** Discussion
- 18.00** Conclusion of the International Conference on Vertebrate Palaeobiogeography

Wednesday, 30 September

FIELD TRIP

Proposed itinerary

Leaders: Dr. Fabio Marco Dalla Vecchia and Dr. Deborah Arbulla

Participants to meet leaders and the Organizing Committee at the Dipartimento di Scienze della Terra e Geologico Ambientali (Via Zamboni 67) at 7.00 am on the 30th of September.

Departure by bus at 7.20

Itinerary

The first stop will be in the beautiful city of Trieste where participants will have the opportunity to visit the Museo Civico di Storia Naturale.

After the visit the group will stop in the downtown area for lunch.

Early in the afternoon, short travel to the Villaggio del Pescatore Quarry where the leaders will illustrate the geology, stratigraphy, and palaeoenvironment of the site.

Short travel to Monfalcone to visit the palaeontological exhibit, collections and laboratories of the palaeontological section of the Museo della Rocca di Monfalcone. Cretaceous fishes and moulds of dinosaur footprints from Istria are among the most interesting remains stored in this local museum.

Return to Bologna. Estimated time of arrival 9.00 pm

Costs:

Trip, by bus, Bologna–Trieste–Villaggio del Pescatore–Monfalcone–return, € 22 per person;

Lunch at the little restaurant € 25 (all included) per person.

Who is not interested to have lunch at the restaurant, has to provide food by himself.

Speakers and delegates can pay in full during registration at the Dipartimento di Scienze della Terra from Sunday 27 September to Tuesday 29 September.