Annual General Meeting 2016
Lille, France

INTEGRATING MICROPALAEONTOLOGY AND
MOLECULAR BIOLOGY:
INSIGHTS INTO EVOLUTION AND GEOBIOLOGY

Organisers: Danelian T., Servais T. & Edgar K.

PROGRAMME

Venue: Espace Culture Lecture Theater, Cité Scientifique
SCHEDULE FOR CONFERENCE

Thursday 17th November 2016

Registration will be opened at the venue from Thursday 17th, 12:30.
We recommend that you set up your poster during the registration period.

13:45 - 14:00  Welcome – opening of the TMS AGM 2016
Organisers, University of Lille Provost, TMS President

Symposium : Keynote speakers

14:00 - 14:30  Mertens K.N.
The importance of molecular characterisation of dinoflagellates for dinoflagellate
cyst studies

14:30 - 15:00  Verleyen E.
The origin of the polar lacustrine diatom biome: evidence from paleolimnology,
macroecology and high-throughput sequencing

15:00 - 15:30  Not F.
Diversity and ecology of living radiolarians based on morpho-molecular approaches

15:30 - 16:00  TEA & COFFEE

TMS awards and society business meeting

16:00 - 16:30  Thomas E. (Brady Medal winner)
The World according to Benthic Foraminifera

16:30 - 16:45  Frontalini F. (Alain Higgins Award winner)
Benthic foraminifera and mercury pollution: field study, mesocosm and eDNA
metabarcoding

16:45 - 17:00  Slater S. (Charles Downie Award winner)
A quantitative comparison of spore/pollen and plant macrofossil assemblages from a
Jurassic plant bed from Yorkshire, UK

17:00 - 17:05  TMS – AGM 2017 presentation (Tom Hill)

17:05 – 17:55  AGM and awards

18:00  Departure by coach to Tournai (Belgium) for the Conference dinner
A beer tasting reception at the traditional "Dubuisson" brewery, sponsored by
Petrostrat, will be followed by the annual conference dinner.
Friday 18th November 2016

Open session comprising oral presentations

9:00 - 9:15  De Lira Mota M.A. & Dunkley Jones T.
Climate and Carbon Cycle Dynamics in the Eocene-Oligocene boundary based on palynological analyses from Mississippi, Gulf Coast Plain

9:15 - 9:30  Sheward R., Gibbs S., Poulton A. & Bown P.
Paleogene climate drives shifts in coccolithophore community cell size structure

A Paleogene dinoflagellate cyst record from the Landana Section, Cabinda Province, Angola.

9:45 - 10:00  Saiedi Ortakand M. & Matsumoto R.
Carbon isotope anomalies of benthic foraminifera from active cold seep areas of the Hidaka Trough, northwestern Pacific

10:00 - 10:30  Poster presentations (1 min each)

10:30 - 11:00  TEA & COFFEE

11:00 – 11:15  Warny S., Hafner M., Ferguson S. & Bryant V.
Building pollen print databases for forensic applications: A novel collection-based approach for working on sensitive locations

11:15 - 11:30  Miller G.C., Hill T., Fox L., Rillo M.C., Piga E. & Stukins S.
The Micropaleontology Collections at the Natural History Museum and their applications for research and consultancy

11:30 - 11:45  Fox L., Stukins S., Hill T. & Miller G.
Former BP Micropalaeontology Collection Palaeo-GIS project: Palaeoenvironmental significance of benthic foraminiferal biofacies in the North Sea

11:45 - 12:00  March A., Horne D.J., Holmes J. & Lewis S.G.
Ostracods from Middle Pleistocene lake sediments at Marks Tey, Essex: Qualitative and quantitative approaches to palaeoenvironmental reconstruction

The world’s earliest Aral-Sea type disaster: the decline of the Loulan Kingdom in the Tarim Basin

12:15 - 12:30  Armynot du Châtelet E., Fabrizio Frontalini F. & Francescangeli F.
Significance of replicates for environmental and palaeoenvironmental studies in estuarine environments: foraminifera and testate amoeba
LUNCH
(provided at the "Barrois" University Restaurant)

14:00 - 14:15  Servais T.
The absence of a late Palaeozoic ‘phytoplankton blackout’ and the need of picopalaeontology

14:15 - 14:30  Zigaite Z., Fadel A., Qvarnström M., Pérez-Huerta A. & Jeffries T.
Early vertebrate microremains as proxies to palaeoenvironment: rare earth elements in dermal scale biominerals from the Silurian and Lower Devonian

14:30 - 14:45  Obut O.T. & Danelian T.
Lower Cambrian (Botoman) radiolarians from the Shashkunar Formation of the Gorny Altai (southern Siberia, Russia)

14:45 - 15:00  Baumgartner P.O., Kukoc D., Andjic G. & Dumitrica P.
Evolution of Late Cretaceous Radiolaria and the Caribbean Large Igneous Province

Biogeographic range shifts in three species of planktonic foraminifera during the intensification of Northern Hemisphere Glaciation

Differential response at the seafloor during Paleocene and Eocene hyperthermals at Walvis Ridge, Atlantic Ocean (ODP Site 1262)

15:30 - 15:45  Gurdebeke P.R., Pospelova V., Mertens K.N., Dallimore A., Louwye S.
Holocene dinoflagellate cyst record from Vancouver Islands (British Columbia, Canada): preliminary results

15:45 - 16:15  TEA & COFFEE

16:15 - 16:55  Poster session

16:55 - 17:00  Concluding remarks
TMS AGM Venue: The Conference will take place at the University Campus (Cité Scientifique) of Villeneuve d’Ascq, which can be easily reached by metro from both railway stations (ca. 15 from the city center; yellow metro line towards “4 Cantons”).
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