

Micropalaeontology and the IODP: Past, Present and Future Applications

Monday 18th and Tuesday 19th November 2013
at the Natural History Museum

Annual Conference of The Micropalaeontological Society, 2013

Monday 18th November

- 10.30 – 13.00: Coffee and Conference Registration**
Delegates will have the opportunity to take part in optional tours of the micropalaeontology unit and associated microfossil collections, led by Steve Stukins and Giles Miller.
- 13.00-16.10: Keynote Lectures on ‘Micropalaeontology and the IODP’**
- 13.00-13.10: Welcome and introduction, by Richard Herrington (Head of Earth Science, Department of Earth Sciences, NHM) and Andy Fleet (Assistant Director of Science, NHM)
- 13.10-13.40: *Integrated microplankton records of equatorial pacific ecosystem perturbations across the Eocene/Oligocene transition* by **Tom Dunkley Jones**, K. Prentice, T. Moore, J. Baldauf, P. Bown, K. Edgar, B. Wade and J. Lees
- 13.40-14.10: *Planktonic foraminifera and ocean drilling: past, present and future applications* by **Bridget Wade**
- 14.10-14.40: *Palynological insights into climate, ice and ocean conditions during “warm” intervals of the Late Cenozoic in NW North Atlantic* by **Anne de Vernal**, Bianca Fréchet and Claude Hillaire-Marcel
- 14.40-15.10: TEA/COFFEE**
- 15.10-15.40: *Forcings (millennial to pluri-annual) of Holocene sea ice changes, Adélie Land, East Antarctica* by **Xavier Crosta**, L. Barbara, P. Campagne, D. Denis, R. Dunbar, C. Escutia, J. Etourneau, H. Goosse, T. Gregory, G. Massé, R. Melis K., Mezgec, J. Pike, S. Schmidt and B. Stenni
- 15.40-16.10: *The Integrated Ocean Discovery Program – Quo Vadis Micropalaeontology?* by **Heiko Palike**
- 16.10-17.30: SOCIETY BUSINESS** Annual General Meeting of The Micropalaeontological Society, including the awarding of various prizes
- 17.30-19.00: Poster session and drinks reception in the Flett Theatre Foyer
The drinks reception has been kindly sponsored by Petrostrat
- 19.00: Depart the NHM for conference dinner at Med Kitchen, Gloucester Road, SW7 4PL.
The conference dinner has been kindly sponsored by Neflex

Tuesday 19th November

08.00-09.00 **TEA/COFFEE**

09.00-15.00: **Open talks on Micropalaeontology:**

09.00-09.15: *Micropaleontology in the new International Ocean Discovery Program*
Denise K. Kulhanek

09.15-09.30: *Radiolarian biostratigraphy and Neogene to Recent palaeoceanographic evolution of the Middle American Trench area off Costa Rica*
Maria I. Sandoval, P.O. Baumgartner Peter and Scientific Party of IODP (Integrated Ocean Drilling Program 344 Expedition)

09.30-09.45: *Preservation of fossil fish tooth Nd isotope signals under varying redox conditions*
Claire E. Huck, T. van de Flierdt, S.M. Bohaty, F.J. Jimenez-Espejo, S. Hammond and IODP Expedition 318 Scientists

09.45-10.00: *Preservation and Reliability of geochemical Proxy Data from Foraminifera*
Janett Voigt, E. Hathorne and M. Frank

10.00-10.15: *Nannotax3 and Web delivery of Taxonomy*
Jeremy R. Young, J.A. A Lees and P. R. Bown

10.15-10.30: *Neogene Dinoflagellates and Global Change*
Jamie L. Boyd, A.M. Haywood, J.B. Riding, M.J. Pound and V.C. Bowman

10.30-11.30: **POSTER SESSION**

11.30-11.45: *Understanding diversity gradients in planktonic foraminifera*
Isabel S. Fenton, P.N. Pearson, T. Dunkley-Jones and A. Purvis

11.45-12.00: *Can "fossil speciation" predict molecular evolution?*
Thomas H.G. Ezard, G.H. Thomas and A. Purvis

12.00-12.15: *Forcing factors on Caspian Sea level changes in the Late Pleistocene and Early Holocene: contribution of palynology*
Suzanne A.G. Leroy, A. Kakroodi, F. Chalié, A. Tudryn, S. Kroonenberg, H. Lahijani and K. Arpe

12.15-12.30: *A high-resolution sub-Antarctic record of mid- to late Holocene climate and vegetation changes at Fan Lake, South Georgia*
Stephanie Strother, U. Salzmann, S.J. Roberts, D.A. Hodgson, J. Woodward, W. Nieuwenhuyze, M. Sterken, E. Verleyen, W. Vyverman, S. Moreton

12.30-13.30: **LUNCH**

13.30-13.45: *A hotspot of modern foraminiferal diversity: The Raja Ampat archipelago (New Guinea)*
Meena Förderer and M. R. Langer

13.45-14.00: *Late Quaternary dynamics of the Congo (Zaire) River plume: element ratios and planktonic foraminiferal evidence.*
Els Ufkes, C. Straathof and J. Stuut

14.00-14.15: Elucidation of cryptic palaeoenvironmental cycles using unconventional microfossils.
G. Wyn Hughes

14.15-14.30: *Community assembly, biodiversity and neutral modelling of dinoflagellates from the early Eocene of the Rockall Shelf: Rich but random.*

Guy J. Harrington, M.O. Cuthbert and S.M. Jones

14.30-14.45: *Experiments with the propagules of deep water benthic foraminifera*
Chris J. Duffield and E. Alve

14.45-15.00: *Controls on the uptake of Mg, Sr and Li into the calcite of benthic foraminifera* *Uvigerina peregrina*
William R. Gray, M. Wolthers and J.A. Holmes

15.00: END OF CONFERENCE

CONFERENCE DINNER

MONDAY 18TH November, c. 7.30pm

The venue for the conference dinner is **Med Kitchen**, located a c. 5-10minute walk from the Natural History Museum, at 25–35 Gloucester Road, SW7 4PL

We will then make our way on foot to the restaurant once the drinks reception has finished, in the hope for the meal to commence at around 7.30pm.

A basic map to assist delegates in getting to the restaurant is provided below. If you have any concerns, please find one of the conference organisers for assistance.

Exit the Natural History Museum from the Flett Theatre entrance and head north up Exhibition Road. Turn left (west) and walk to the end of Imperial College Road. Cross over Queen's Gate and walk west along Elvaston Place. Med Kitchen is located on the corner of Elvaston Place and Gloucester Road

