

Wednesday, September 8, 2010

Session C2:

Lecture Room 9

Session C2: Planktic foraminiferal biogeochemistry, population dynamics and modeling in paleoceanography

Convenors: Ralf Schiebel, Oliver Friedrich, Michal Kucera

- 9:00 **Ralf Schiebel, Sophie Retailleau, Dewi Langlet, Hélène Howa:** Planktic foraminiferal test size variation as a measure of ecologic conditions along an open offshore-onshore transect
- 9:20 **Frédéric Quillévéré, Raphaël Morard, Colomban de Vargas, Christophe J. Douady, Yurika Ujiié, Thibault de Garidel-Thoron, Gilles Escarguel:** *Truncorotalia truncatulinoides* and the value of direct morpho-genetic comparisons in planktonic foraminifera
- 09:30 **Tanja Kuhnt, Hélène Howa, Ralf Schiebel, Sabine Schmidt, Louis Marie:** Planktic foraminifer vertical fluxes versus lateral advection at a hemipelagic site of the inner Bay of Biscay (Northeast Atlantic margin)
- 10:00- 10:20 **Coffee Break**
- 10:20 **Daniela Hanslik:** Central Arctic Ocean foraminiferal challenges
- 10:40 **Raphaël Morard, Frédéric Quillévéré, Christophe J. Douady, Gilles Escarguel, Thibault de Garidel-Thoron, Colomban de Vargas:** The allopatric distribution of *Globoconella inflata* cryptic species and its potential used for monitoring past movements of the Antarctic subpolar front
- 11:00 **Els Ufkes, Dick Kroon:** Changes in SE Atlantic watermass distribution and upwelling intensity during the last 1.1 Million years
- 11:20 **Bridget Wade, Ann Holbourn, Hiroki Hayashi:** Neogene foraminiferal assemblages from the Pacific equatorial age transect: IODP Sites U1337 And U1338
- 11:40 **Anke Dürkop, Birgit Schneider:** Modelling CaCO₃ calcite dissolution kinetics
- 12:00 – 13:20 **Lunch Break**
- 13:20 **Eduardo A. M. Koutsoukos:** Phenotypic plasticity, speciation, and phylogeny in early Danian planktonic foraminifera
- 13:40 **Antje H. L. Voelker, Catarina Caveleiro, Andreia Rebotim, Pamela Martin:** Mid-Brunhes surface water changes in the mid-latitude North Atlantic revealed by *G. inflata* trace element records

Poster Presentations (Session C2)

Posters for this session will be presented from Wednesday, September 8, to Friday, September 10. Numbers refer to poster board numbers.

- 119 **Oliver Friedrich, Ralf Schiebel, Syee Weldeab, Matthew Cooper, Paul A. Wilson:** Effects of test size, water depth, and species ecology on the planktic foraminiferal Mg/Ca paleothermometer: Implications for paleoceanographic studies
- 120 **Holger Gebhardt, Oliver Friedrich, Lyndsey Fox, Malcolm Hart, Bettina Schenk, Michael Wargreich:** Paleoceanographic changes inferred from foraminiferal assemblages: The northern Tethyan margin during the Cenomanian-Turonian oceanic anoxic event (OAE-2)

- 121 **Katrine Husum, Morten Hald, Anne Burhol:** Fine tuning high latitude sea surface temperature reconstructions: new modern training sets of planktic foraminifera
- 122 **Lea D. Numberger, Michal Kucera, Hartmut Schulz:** Eastern Mediterranean planktonic foraminifera assemblage dynamics during MIS 11
- 123 **Maria N. Ovechkina, Marina E. Bylinskaya, Ron Uken:** Planktonic Foraminifera in surface sediments from the Thukela Shelf, South Africa
- 124 **Andreia Seia Rebotim, Antje H. Volker, Joanna Waniek:** Planktonic foraminifera as indicators of water masses north and south of the Azores Front/Current: Evidence from abundance and stable isotopes data
- 125 **Marcus Regenberg:** Glacial-interglacial changes in lysocline depth as revealed by planktonic foraminiferal Mg/Ca ratios
- 126 **Linda Rossignol, Thibaut Caley, Damien Gil, Frédérique Eynaud, Nicolas Caillon, Angéline Ragougneau, Alexandre Torneberg:** Biometric analysis on planktonic foraminifera: application to the sediments of the Southern Indian Ocean.
- 127 **Sophie Retailleau, Frédérique Eynaud, Hélène Howa, Yannick Mary, Ralf Schiebel:** **Neritic planktic foraminiferal communities in the SE Bay of Biscay:** influence of the Capbreton Canyon and the Adour river plume
- 128 **Michael Siccha, Hélène Howa, Sabine Schmidt, Ralf Schiebel:** Day-to-day changes in planktic foraminifer test flux during a phytoplankton spring bloom in the Bay of Biscay
- 129 **Christopher W. Smart, Ellen Thomas:** High abundances of biserial planktic foraminifera in the early Miocene of the NE Atlantic Ocean: palaeoceanography and evolution
- 130 **Juliane Steinhardt, Hartmut Schulz, Martin Wiesner, Birgit Gaye, Leopoldo de Silva, Michael Kucera:** Seasonal and interannual variability of planktonic foraminifera flux in the southwestern South China Sea
- 131 **Gabriele Trommer, Ulrike Baranowski, Michael Siccha, Eelco J. Rohling, Michael Kucera:** Sensitive response of planktonic foraminifera to oceanographic forcing during Marine Isotope Stage 5e in the central Red Sea
- 132 **Els Ufkes, Dick Kroon:** History of carbonate dissolution as evidenced in shells of planktonic foraminifera in a Walvis Ridge bore hole during the Pleistocene
- 133 **Brendan P. Lutz:** Mid-Pliocene planktonic foraminifer assemblage of the North Atlantic subtropical gyre
- 134 **Annette Bolton, Joel Baker, Gavin B. Dunbar, Lionel Carter:** Using Planktonic Foraminifera to Link the Paleo-ecology and Paleo-Ocean Temperature of the Southwest Pacific Ocean
- 135 **Hanako Domitsu, Jun-ichi Uchida, Kaoru Ogane, Tokiyuki Sato, Minoru Ikehara, Hirosh Nishi, Shiro Hasegawa, Motoyosho Oda:** Stratigraphic relationships between the last occurrence of *Neogloboquadrina inglei* and marine isotope stages at site C9001 hole C in the northwest Pacific Ocean
- 136 **Peter Fittkau, Eduard Bauerfeind, Hartmut Schulz, Helmut Erlenkeuser:** Habitat preferences and life cycle of the polar planktonic foraminifer *Neogloboquadrina pachyderma* in sediment traps seasonally ice-covered under the East Greenland Current, 75°N