

**Monday January 20 - Conference Room 1**

**Session 4: Invasions, Dispersal and Biogeographic Range Expansions of Foraminifera: Lessons from Earth History**

**08:20 – 09:00 Keynote Lecture Martin R. Langer**

***Invasions, Dispersal and Biogeographic Range Expansions of Foraminifera: Lessons from Earth History***

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Convenors: **Martin R. Langer, Anna E. Weinmann, Susan T. Goldstein**

**09:00 Susan T. Goldstein, Virginia P. Edgcomb, Darin Lang, Joan M. Bernhard:** Dispersal of benthic foraminifera in the western north Atlantic: Pattern, processes, and population dynamics

**09:20 Claudio Stalder, Silvia Spezzaferri, Andre Rüggeberg:** Benthic foraminifera from cold-water coral reefs

**09:40 Anna E. Weinmann, Martin R. Langer:** Changing biogeographic patterns along the coast of southern Africa

**10:00 Rossana Martini, Sylvain Rigaud:** The paleobiogeographic and stratigraphic distribution of early Mesozoic foraminifers: Toward a better understanding of large scale dispersal and recovery processes?

**10:20 – 11:00 Coffee Break**

**11:00 P.K. Kathal, V.K. Singh:** Biogeography of recent benthic foraminifera from the Indian and Japanese waters: Impact of invasive benthic foraminifera from the West Pacific Warm Pool (WPWP) to the eastern shelf of Japan

**11:20 Maria Eugenia Arriaga, Esmeralda Caus:** Shallow-water benthic foraminiferal turnover across the Cenomanian-Turonian boundary at Southern Appenines (Italy)

**11:40 Jens M. Thissen, Martin R. Langer:** Foraminifera as ecosystem engineers from the Zanzibar Archipelago (Tanzania): Safeguarding tropical reef habitats

**12:00 Danuta Peryt, Marek Jasionowski:** Foraminiferal evidence of environmental changes at the Badenian/Sarmatian (middle Miocene) transition in central Paratethys (Zhabiak, W Ukraine)

Monday January 20 – Conference Room 1

**Session 3: Fjord Foraminifera**

14:00 – 14:40 Keynote Lecture Sergei Korsun

***Fjord Foraminifera as environment indicators: pro and contra***

Convenors: **William E.N. Austin, Scott Ishman**

- 14:40**     **Scott Ishman, Ilona Matulaitis, Ryan Verbanaz, Amy Leventer, Stefanie Brachfeld, Eugene Domack:** A Holocene benthic foraminiferal record of changing oceanographic and glacial conditions in a Western Antarctic Peninsula Fjord
- 15:00**     **María Angélica Godoi, Philip L. Gibbard, Michael A. Kaminski:** Investigating multiproxy shallow marine Holocene records from the region of the Western entrance of the Strait of Magellan (53°S), Chile
- 15:20**     **Tatiana Hromic, Américo Montiel:** Seasonal variability of benthic foraminiferal fauna and its relationships with substrate, depth and total organic matter in proglacial environment, Chile
- 15:40**     **Daniel L. Frederick, Elizabeth A. Nesbitt, Ruth A. Martin:** Distribution of Foraminifera in the Southern Puget Sound, Washington State, USA
- 16:00 – 16:40**     **Coffee Break**
- 16:40**     **Shan Rayray, Paul Loubere:** The generation of benthic fossil assemblages from living communities: Preservation potential of different microhabitats
- 17:00**     **Soma Baranwal, Simone Sauer, Jochen Knies:** Foraminiferal communities of modern hydrocarbon seeps from fjord settings of Northern Norway, Hølvesterålen: A taxonomic and ecologic study
- 17:20**     **Claudio Stalder, Silvia Spezzaferri, Roy Trittschack, Claudius Pirkenseer, Andres Rüggeberg:** Early Holocene cold-water coral (CWC) development in Northern Norway recorded by benthic Foraminifera, Ostracoda and sedimentary phosphorus
- 17:40**     **Irina Polovodova Asteman, Helena L. Filipsson, Rex Harland, Kjell Nordberg:** Detailing the Little Ice Age on the Swedish west coast: a multi-proxy study of a sediment record from Gullmar Fjord
- 18:00**     **William E.N. Austin, Alix G. Cage, Angela Roberts, John A. Howe:** Benthic Foraminifera as palaeoenvironmental indicators of the last Millennium and Holocene

Monday January 20 - Conference Room 2

**Session 6: The Ecology of Planktonic Foraminifera: From Present to Past**

**09:00 – 09:40**      **Keynote Lecture Howard J. Spero**

***Planktonic Foraminifera test development and elemental variations during biomineralization***

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Convenors: **Michal Kucera, Kate Darling**

**09:40**      **Silvia Spezzaferri, Monica Constandache, Bridget Wade, Paul N. Pearson, Richard K. Olsson, Brian T. Huber, Christoph Hemleben, Mark Leckie, William A. Berggren, Helen K. Coxall, Vlasta Premec Fucek, Morana Hernitz Kucenjak, Isabella Premoli Silva:** Recent advances in the study of Oligocene planktonic Foraminifera

**10:00**      **Holger Gebhardt, Christian Rupp, Kurt Nielsen:** How diverse are the Middle Miocene Orbulinas

**10:20 – 11:00**      **Coffee Break**

**11:00**      **Haruka Takagi, Katsunori Kimoto, Tetsuichi Fujiki, Atsushi Kurasawa, Hiromichi Hirano:** Measuring photosynthesis of symbiont-bearing planktic foraminifers and implications for ecological difference

**11:20**      **Michal Kucera, Raphael Morard, Michael Siccha, Agnes Weiner, Manuel Weinkauf:** Determinants of population size and vertical habitat of planktonic foraminifera in the Western Pacific Ocean

**11:40**      **Sousa, S.H.M., Godoi, S.S. de Amaral, P.G.C; Vicente T.M., Martins M.V.A., Sorano M.R.G.S., Gaeta, S.A., Passos, R.F., Mahiques, M.M.:** Distribution of living planktonic foraminifera in relation to oceanic processes on the south-eastern continental Brazilian margin (23°S – 25°S and 40°W – 44°W)

**12:00**      **Ahuva Almogi-Labin, Myriam Bar-Matthews, Avner Ayalon, Martiene Paterne:** Planktonic foraminifera as sensitive recorders of climate variability in the Eastern Mediterranean during the last ~90KA

**12:20**      **Virgínia A. Martins, Emília Salgueiro, João Moreno, António M. Soares, João Alveirinho Dias, Daniel Rey, Andreas Mackensen, Paulo Miranda, Fabrizio Frontalini, Lazaro Laut, Maria Antonieta C. Rodrigues:** Atlantic Sea surface temperature estimation based on planktonic foraminiferal census off the Iberian Margin during the last 40 KA

Tuesday January 21 – Conference Room 1

**Session 1: New Classification of Foraminifera – Bridging Molecules and Morphology**

08:45 – 09:00      **Presentation of Paul Brönnimann Foundation by Jan Pawlowski**

09:00 – 09:40      **Keynote Lecture Susan T. Golstein**

***Morphology, Molecules and the Monothalamous Foraminifera: Overviews of Works in Progress***

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Convenors: **Jan Pawlowski, Maria Holzmann, Jaroslaw Tyszka**

09:40      **Roberto Sierra, Jan Pawlowski:** Deep relationships of Rhizaria revealed by phylogenomics: Resolving the position of Foraminifera

10:00      **Jan Pawlowski, Maria Holzmann:** Towards a new classification of foraminifera: molecular contributions

**10:20 – 11:00      Coffee Break**

11:00      **Jaroslaw Tyszka, Jelle Bijma, Samuel S. Bowser, Martin Glas, Nicole Höher, Katrina Kaczmarek, Gerald Langer, Markus Raitzsch, Pawel Topa, Jeffrey Travis:** Morphogenetic bridge between molecules and morphology

11:20      **Sylvain Rigaud, Daniel Vachard, Rossana Martini :** Unsuspected phylogenetic links between Paleozoic Fusulinana and recent Textulariana

11:40      **Ivan Voltski:** Monothalamous foraminifera: diversity and molecular phylogeny

12:00      **Angela Roberts, William Austin, Kate Darling, Katharine Evans, Clare Bird, Magali Schweizer:** Morphological distinction of SSU genotypes of Elphidiidae from the North East Atlantic shelf seas

12:20      **Yan-li Lei, Tie-Gang Li:** Taxonomy and faunal characteristics of modern foraminifera in the Bohai Sea of China

Tuesday January 21 – Conference Room 1

**Session 5: Biogeography and Evolution of Foraminifera**

**14:00 – 14:40**      **Keynote Lecture Michal Kucera**

***First assessment of the total extent of cryptic genetic diversity in modern planktonic foraminifera***

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Convenors: **Bruce Hayward, Jan Pawlowski**

14:40      **Brian T. Huber, Shannon J. Haynes:** Evolution and phylogeny of Cretaceous (Albian-Coniacian) biserial plankton foraminifera

15:00      **Yurika Ujiie, Yoshiyuki Ishitani, Takahiro Asami:** Multiple divergence of planktonic foraminifera corresponds to the Indo-Pacific warm pool development

15:20      **Barry Kohl:** Pleistocene occurrences of *Planopulvinulina* and *Hyrrokin* in a cold-water coral mound, Northern Gulf of Mexico

15:40      **Al-Dhubaib, G. Abdullah:** Jurassic Endemism of Saudi Arabian Foraminifera and their Migration Routes among Intra-shelf Basins

**16:00 – 16:40**      **Coffee Break**

16:40      **Peter Frenzel:** The Foraminifera of the Baltic Sea

17:00      **Bruce W. Hayward:** Biogeography of Cenozoic shallow and deep-water benthic foraminifera

*FORAMS 2014*  
*Universidad de Concepcion, 19-24 January 2014*

**Tuesday January 21 - Conference Room 2**

**Session 7: Foraminiferal Bio-Monitoring Methods**

08:20 - 09:00 **Keynote Lecture Sergei Korsun** *The FOBIMO (FORaminiferal Bio-MONitoring) initiative — a protocol for benthic foraminiferal monitoring studies*

Convenors: **Sergei Korsun, Silvia Spezzaferri**

09:40 **Michael Martínez-Colón**: Bulk concentration or bioavailability of PTES: Benefits and pitfalls in environmental micropaleontological studies

10:00 **Roselyn Naidu, Jonathan Erez, Helene Jacot des Combes, Matakite Maata, Susanne Pohler**: Impact of ocean acidification on carbonate production by the large benthic foraminifer *Marginopora Vertebralis* in the coastal waters of Fiji

**10:20 – 11:00 Coffee Break**

11:00 **Vincent M.P. Bouchet, Gregory Beaugrand, Eric Goberville, Julien Richirt, Elisabeth Alve**: Assessing reference conditions of marine systems: Numerical approaches using benthic foraminifera

11:20 **Catia F. Barbosa, Ana Lidia Bertoldi Gaspar, José Carlos S. Seoane, Beatrice P. Ferreira**: Foraminifera of Brazilian coral reefs on the evaluation of environmental health

11:40 **Tie-Gang Li, Yan-Li Lei**: Benthic foraminiferal response to oil spill in the Bohai Sea of China

12:00 **Kazumi Akimoto**: Paleoenvironmental reconstruction of Isahaya Bay, Japan over the past 50 years based on benthic foraminifera

12:20 **Elena Romano, Luisa Bergamin**: The size of benthic foraminifera in a marine area affected by industrial pollution

**12:40 – 14:00 Lunch**

14:00 **Sergei Korsun, Elizabeth Alve, Elena Golikova, Silvia Hess, Katrine Husum, Giuliana Panieri, Joachim Schoenfeld**: Does AMBI, a commonly used macrofauna-based ecological monitoring measure, work for benthic Foraminifera?

14:20 **Jan Pawlowski, Philippe Esling, Franck Lejzerowicz, Tomas Cedhagen, Xavier Pochon, Susanna A. Wood, Nigel Keeley, Thomas A. Wilding**: DNA metabarcoding as a tool for monitoring environmental impact associated with fish-farming on community of benthic Foraminifera

14:40 **Danna Titelboim, Sigal Abramovich, Ahuva Almogi-Labin, Barak Herut, Michal Kucera**: The effect of sea surface temperature and salinity increase on marine benthic ecosystems: Revisiting the Hadera heat plume (Israel)

Thursday January 23 – Conference Room 1

**Session 2: Recent and Fossil Foraminifera from South America**

**09:00 – 09:40 Keynote Lecture Norberto Malumián**

*Benthonic foraminifera from the Magallanes Basin: Main paleobiogeographic features in Southern high latitudes*

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Convenors: **Norberto Malumián, Margarita Marchant, Tatiana Hromic**

09:40 **Jorge Cardich, Dimitri Gutiérrez, Alexander Pérez, Dennis Romero, Luis Quipúzcoa, Juana Solis, Abdel Sifeddine, Anthony Rathburn:** Benthic Foraminifera in OMZ sediments: Control of pore water redox and sedimentary organic matter in Central Peruvian Upper Margin

10:00 **Dimitri Gutiérrez, Jorge Cardich, Carine Almeida, Renato Salvattecí, Abdel Sifeddine:** Benthic redox conditions and oceanographic variability in the Upper Central Peruvian margin since the nineteenth Century

**10:20 – 11:00 Coffee Break**

11:00 **Jessica E. Pilarczyk, Marco Cisternas, Benjamin P. Horton, Lisa Ely, Tina Dura:** Foraminiferal evidence supports a tsunami origin for a 2-km-inland buried sand layer in Central Chile

11:20 **Claudia Gutterres Vilela,** Sea-level oscillation in the Brazilian East-Southeast coast during the Holocene: Micropaleontological data

11:40 **Ana I. Torres Silva, Antonino Briguglio:** Late Eocene larger foraminiferal biostratigraphy in Western and Central Cuba

12:00 **Kenneth L. Finger:** Miocene Foraminifera from the South-Central Coast of Chile

Thursday January 23 – Conference Room 2

**Session 8: Advances in Environmental Micropaleontology**

Convenors: **Michael Martínez-Colón, Pamela Hallock-Muller**

- 09:40 **Michael Martínez-Colón, Regina Easley:** A priori determination of bioavailability in foram culture work: Considering metal speciation
- 10:00 **Karen Luise Knudsen, Jón Eiríksson, Esther Ruth Gudmundsdóttir, Gudrún Larsen:** *Elphidium Excavatum F. Clavata* – Related to oceanographic changes or tephra deposition on the North Icelandic Shelf
- 10:20 **Pierre-Antoine Dessandier, Jérôme Bonnin, Jung-Hyun Kim, Sabrina Bichon, Antoine Grémare, Bruno Deflandre, Jaap S. Sinninghe Damsté:** Distribution of live benthic foraminifera off the Douro River (Western Iberian margin): The importance of the terrestrial organic matter
- 10:40 **Marianna Musco, Fabrizio Frontalini, Mario Sprovieri, Giorgio Tranchida, Luigi Giaramita, Bernardo Patti, Angela Cuttitta:** The influence of microhabitat features on benthic foraminiferal distributions and biofacies along a depth transect on the Central Southern Mediterranean Sea (Sicily, Italy)
- 11:00 **Olga Koukousioura, Margarita Dimiza, Maria Triantaphyllou:** Benthic Foraminifera from coastal areas of the Aegean Sea (Greece)
- 11:20 – 12:00 Coffee Break**
- 12:00 **Christiane Schmidt, Sigal Abramovich, Janett Brandt, Ahuva Almogilabin, Barak Herut, Michal Kucera:** Heat-tolerant symbiosis in the foraminifer *Pararotalia Spinigera* from the Eastern Mediterranean
- 12:20 **Pamela Hallock, Bryan J. McCloskey, Brienne E. Engel:** Preservation potential versus survival: Insights from the vicinity of a hydrothermal vent system in Papua New Guinea
- 12:40 **Ashleigh Costelloe, Brent Wilson, Benjamin Horton:** Phenological trends in foraminiferal densities from temperate and tropical estuaries
- 13:00 **Martina Prazeres, Sven Uthicke, John Pandolfi:** Ocean acidification induces biochemical alterations of calcification process in symbiont-bearing foraminifers
- 13:20 **Antonino Briguglio, Wolfgang Eder, Johann Hohenegger:** Growth oscillation studies on larger benthic foraminifera: A synthesis of the newest results obtained by CT-Investigations



**Friday January 24 - Conference Room 1**

**Session 9: Other Foraminiferal Research**

Convenor: **Margarita Marchant**

- 08:20 **Aaron Meilijson, Sarit Ashckenazi-Polivoda, Libby Ron, Peter Illner, Ahuva Almogi-Labin, Shimon Feinstein, Zsolt Berner, Robert P. Speijer, Sigal Abramovich:** Foraminiferal vs. geochemical proxies and the 'Anoxic benthic foraminiferal paradox': A case study from the high productivity deposits in Israel
- 08:40 **Vlasta Čosović, Ervin Mrinjek, Đurđica Pezelj and Jelena Vidović:** Paleoenvironmental interpretation of the Eocene mud-mounds based on larger benthic Foraminifera (Promina Beds, Croatia)
- 09:00 **Lóránd Silye, Michal Kučera:** Quaternary environmental changes reflected by central Red Sea deep-water benthic foraminifera
- 09:20 **Marit-Solveig Seidenkrantz, Antoon Kuijpers, Steffen Aagaard-Sørensen, Sofia Andersson, Holger Lindgreen, Johan Ploug, Piotr Przybyło, Ian Snowball, Jesper Olsen, and Michael Ivanov:** Strong meridional overturning circulation during the last glacial period indicated by benthic foraminifera from the northern Labrador Sea
- 09:40 **Andrea Fischel, Henriette Vinther Jacobsen, Marit-Solveig Seidenkrantz, Christof Pearce, Erik Thomsen, Fabienne Marret, James Scourse, Antoon Kuijpers:** Surface and subsurface water circulation in the eastern tropical Atlantic during the Late Quaternary based on planktic foraminiferal analyses
- 10:00 – 10:40 Coffee Break**
- 10:40 **Anna Pint, Martin Seeliger, Peter Frenzel Peter, Helmut Brückner:** Foraminiferal studies on Holocene sediments from the Byzantine and Roman Harbour of Ainos (Enez, Turkey)
- 11:00 **Anna Pint, Dominik Brill, Kruawun Jankaew, Peter Frenzel, Helmut Brückner:** Foraminifers as tsunami indicators from onshore deposits of the coast of Thailand
- 11:20 **Anat Ash, Revital Bookman, Ahuva Almogi-Labin, Zvi Ben-Avraham:** Benthic Foraminifera as indicators for sub-marine slide events in the Northern Gulf of Eilat
- 11:40 **Benjamin Horton:** Microfossils in tidal settings as indicators of sea-level change, paleoearthquakes, tsunamis and tropical cyclones
- 12:00 – 14:00 Lunch**

- 14:00 **John L. Dawson:** Declines in Foraminifera productivity threaten Pacific Reef Islands
- 14:20 **Petra Heinz, Natalie Iwanczuk, Margit Simon, Michal Kucera:** Ecology and faunal assemblages of living and dead benthic Foraminifera in the Arctic Baffin Bay and Northern Labrador Sea
- 14:40 **M<sup>a</sup> del Carmen Sánchez Ariza:** Mathematical distances, not transformed, in relation with depth, in recent species of the Genus *Elphidium* in Western Mediterranean Sea

