



Universidad
de Concepción



INTERNATIONAL SYMPOSIUM ON FORAMINIFERA
University of Concepcion, Chile
19-24 January 2014

SESSION N° 6

SESSION TITLE	CONVENORS
The ecology of planktonic foraminifera: from present to past	<ul style="list-style-type: none">• Michal Kucera University of Bremen, Germany• Kate Darling The University of Edinburgh, Scotland

SUMMARY

Palaeoenvironmental and evolutionary interpretations of the fossil record of planktonic foraminifera are heavily dependent on the understanding of the ecology and biology of this group. Despite decades of research, key aspects of lifestyle, physiology, diversity and habitats of planktonic foraminifera species remain poorly constrained. The objective of this session is to attract innovative contributions and facilitate exchange and discussion on topics addressing scientific questions ranging from genetics to geochemistry and connecting modern plankton observations with data from the fossil record. Contributions are invited reporting results from a wide range of approaches, including culturing observations and experiments, plankton observations embracing population dynamics, seasonality and biogeography, sediment trap and surface sediment data investigating population turnover and seasonality and the analyses of fossil material that contribute to a better knowledge of the ecology and lifestyles in the group. This session is organised within the framework of the SCOR/IGBP Working Group 138: "Modern planktonic foraminifera and ocean changes" (<http://www.eforums.org/index.php/WG138> Startpage), which aims to

synthesize the existing knowledge of modern planktic foraminifera, identifying priority research and transfer expertise to the generation of young researchers.

Session sponsored by SCOR/IGBP Working Group 138: *Modern planktonic foraminifera and ocean changes*.