

Research Unit 1b

Principal Investigator	Prof. Dr. Claudio Richter, * 1964	
CV	<p>Scientific degree:</p> <p>Dr. rer. nat. in , University of Kiel, Germany 1994</p> <p>Diplom in Biology, University of Kiel Germany 1990</p> <p>Maîtrise in Biological Oceanography, Université de Bretagne Occidentale, France 1987</p> <p>Current position:</p> <p>Professor of Marine Animal Ecology, University of Bremen since 2008</p> <p>Head of section Benthic-Pelagic Processes, AWI since 2009</p> <p>Previous positions:</p> <p>Head of section Marine Animal Ecology, AWI 2008-2009</p> <p>Group Leader, Coral reef ecology, Centre for Tropical Marine Ecology (ZMT), Bremen 2005-2008</p> <p>Postdoctoral researcher, Coral reef ecology, Centre for Tropical Marine Ecology (ZMT), Bremen 1995-2005</p> <p>Postdoctoral researcher, Zooplankton ecology, Institute for Polar Ecology, University of Kiel 1994-1995</p> <p>Academic honors & services:</p> <p>Member, SSC/ICRS Bremen (2020); Chair, SSC/ECRS, Bremen (2006); Member, PG Japan-German FoS (AvH Foundation; 2006); Chair, Geosciences, US-German FoS (AvH Foundation; 2002); Member SSC/RSP for Marine Science (1995-2001)</p>	
Recent Research Topics	Benthic-pelagic coupling, ecology of benthic filter-feeders (corals and sponges), climate change effects on benthic communities, warming, OA, internal waves	
Publications/ Citations	Peer-reviewed publications (total): 53	
	Peer-reviewed publications (since 2013): 18	
	H-Index (WoS/Scopus/Google Scholar): 19//	
	M-Index (WoS: H-Index/years since 1 st publication): 0.9	
	ORCID: orcid.org/0000-0002-8182-6896	
Publications (5 most relevant since 2013)	<p>Smith JN, De'ath G, Richter C, Cornils A, Hall-Spencer JM and KE Fabricius (2016): Ocean acidification reduces demersal zooplankton that reside in tropical coral reefs. Nature Climate Change 6: 1124–1129 (doi:10.1038/nclimate3122).</p> <p>Sandersfeld T, Davison W, Lamare MD, Knust R and C Richter (2015): Elevated temperature causes metabolic trade-offs at the whole-organism level in the Antarctic fish <i>Trematomus bernacchii</i>. Journal of Experimental Biology 218: 2373-2381 (doi:10.1242/jeb.122804).</p> <p>Wall, M., Putschim, L., Schmidt, G. M., Jantzen, C., Khokiattiwong, S. and Richter, C. (2014): Large-amplitude internal waves benefit corals during thermal stress, Proceedings of the Royal Society B: Biological Sciences, 282 (1799), p. 20140650 (doi:10.1098/rspb.2014.0650).</p> <p>Fillinger L, Janussen D, Lundälv T and C Richter (2013): Rapid glass sponge expansion after climate-induced Antarctic ice shelf collapse. Current Biology 23: 1330-1334 (doi:10.1016/j.cub.2013.05.051).</p> <p>Fillinger L and C Richter (2013): Vertical and horizontal distribution of <i>Desmophyllum dianthus</i> in Comau Fjord, Chile: a cold-water coral thriving at low pH. PeerJ 1: e194 (doi:10.7717/peerj.194).</p>	