

Research Unit 2

Principal Investigator	Dr. K. Mathias Wegner, *1974	
CV	<p>Scientific degree: Dr. rer. nat. in Ecology, University of Kiel, Germany Diploma in Biology, Georg-August-Universität Göttingen, Germany</p> <p>Current position: Head of Community and Evolutionary Ecology group, Coastal Ecology, AWI Deputy head of section Coastal Ecology, AWI</p> <p>Previous positions: Emmy Noether Fellow, Coastal Ecology, AWI Waddensea Station Sylt Emmy Noether Fellow, Evolutionary Ecology of Fishes, GEOMAR, Kiel Postdoctoral researcher & Assistant Professor, Experimental Ecology, ETH Zürich, Switzerland</p> <p>Academic honors & services: Guest editor for Journal of Sea research for a special issue on 'Ecology and Evolution of Marine Parasites and Disease' (2016); Editorial board of Axios review (2012-2016)</p>	<p>Year 2004 2000</p> <p>since 2016 since 2016</p> <p>2014-2015 2010-2013 2005-2010</p>
Recent Research Topics	Disease and parasitism as major regulators of populations; species invasions as a tool to study rapid adaptation; microbiota in health and disease of bivalves; genetics and genomics of species invasions; life strategies of arctic parasites	
Publications/ Citations	Peer-reviewed publications (total): Peer-reviewed publications (since 2013): H-Index (WoS/Scopus/Google Scholar): M-Index (WoS: H-Index/years since 1 st publication): ORCID: orcid.org/0000-0002-2410-8898	63 30 23/24/26 1.5
Publications (5 most relevant since 2013)		
<p>Thomsen J, Stapp LS, Haynert K, Schade H, Danelli M, Lannig G, Wegner KM and F Melzner (2017): Naturally acidified habitat selects for ocean acidification-tolerant mussels. <i>Science Advances</i> 3(4): 8 (doi:10.1126/sciadv.1602411).</p> <p>Le Roux F, Wegner KM and M Polz (2016): Oysters and Vibrios as a Model for Disease Dynamics in Wild Animals. <i>Trends in Microbiology</i> 24(7): 568-580 (doi:10.1016/j.tim.2016.03.006).</p> <p>Lokmer A and KM Wegner (2015). Hemolymph microbiome of Pacific oysters in response to temperature, temperature stress and infection. <i>ISME Journal</i> 9: 670-682 (doi:10.1038/ismej.2014.160).</p> <p>Wendling, CC & KM Wegner (2015): Adaptation to enemy shifts: rapid resistance evolution to local <i>Vibrio</i> spp. in invasive Pacific oysters. <i>Proceedings of the Royal Society B: Biological Sciences</i> 282(1804) (doi:10.1098/rspb.2014.2244).</p> <p>Shama LNS, Strobel A, Mark FM and KM Wegner (2014): Transgenerational plasticity in marine sticklebacks: maternal effects mediate impacts of a warming ocean. <i>Functional Ecology</i> 28(6): 1482-1493 (doi:10.1111/1365-2435.12280).</p>		