



Chiara Papetti PhD

Chiara Papetti is a tenured track scientist in Ecology at the Department of Biology of the University of Padua. Her main research interest is the evolution of Antarctic fish and their conservation. She has also studied other marine organisms, such as the clam *Chamelea gallina* and the scomber and has collaborated with several other international scientists to study, e.g. jellyfish population genetics in the Mediterranean and the tuna population genomics at world-wide scale. Chiara has spent several periods abroad, including two years and a half at the Alfred Wegener Institute Helmholtz Center for Polar and Marine Research (AWI), Bremerhaven, (Germany) for her Marie Curie intra-European scholarship, in collaboration with the group of ecophysiology by Prof. Hans-Otto Pörtner. Chiara has participated in four sampling campaigns in Antarctica between 2010 and 2018. Recently, Chiara is also dealing with the role of evolutionary biology in the conservation and management of marine organisms of commercial interest, for which she wants to focus on (rapid) evolution phenomena induced by anthropic pressure and environmental changes.

Five most relevant scientific publications of the applicant about Antarctic topics

1. Chiara Papetti, Magnus Lucassen, Hans-Otto Pörtner (2016) Integrated studies of organismal plasticity through physiological and transcriptomic approaches: examples from marine polar regions. Briefings in Functional Genomics, doi: 10.1093/bfpg/elw024.
2. Papetti C, Windisch HS, La Mesa M, Lucassen M, Marshall C, Lamare MD (2016) Non-Antarctic notothenioids: Past phylogenetic history and contemporary phylogeographic implications in the face of environmental changes. Marine Genomics, 25:1-9, ISSN 1874-7787, <http://dx.doi.org/10.1016/j.margen.2015.11.007>.
3. Papetti C, Harms L, Windisch HS, Frickenhaus S, Sandersfeld T, Jürgens J, Koschnick N, Knust R, Pörtner HO, Lucassen M (2015) A first insight into the spleen transcriptome of the notothenioid fish *Lepidonotothen nudifrons*: Resource description and functional overview. Marine Genomics, 24(3):237-239, doi: <http://dx.doi.org/10.1016/j.margen.2015.06.006>.
4. Agostini C, Patarnello T, Ashford JR, Torres JJ, Zane L, Papetti C (2015) Genetic differentiation in the ice-dependent fish *Pleuragramma antarctica* along the Antarctic Peninsula. Journal of Biogeography 42(6), 1103–1113, doi: 10.1111/jbi.12497.
5. Papetti C, Pujolar JM, Mezzavilla M, La Mesa M, Rock J, Zane L, Patarnello T (2012) Population genetic structure and gene flow patterns between populations of the Antarctic icefish *Chionodraco rastrispinosus*. J Biogeogr, 39(7): 1361-1372, doi:10.1111/j.1365-2699.2011.02682.x.

Most relevant popular publications of the applicant about Antarctic topics

1. Papetti C, Windisch HS, La Mesa M, Lucassen M, Marshall C, Lamare MD (2016) Sub-Antarctic Fish – how do they do when things get warm? Atlas of Science, June 2nd, <http://atlasofscience.org/sub-antarctic-fish-how-do-they-do-when-things-get-warm/#more-14349>.
2. I have been interviewed by several local newspapers and tv news such as (Il Mattino di Padova, Il Messaggero Veneto –Udine- and Telenordest-ReteVeneta) to explain my activity during Antarctic expeditions.