

Cecilia Balestra



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Current Position: Post Doc.
Supervisor: Raffaella Casotti
Appointed on project: EMBRC
Period: from 01/08/2016 to 31/07/2017

Affiliation:

Integrative Marine Ecology Department
Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Università degli studi di Trieste, Italy, Department of Biological Oceanography at the 'National Institute of Oceanography and Experimental Oceanography' (OGS-Bio)	M.Sc. Degree	2005	Biological sciences "Microbial loop functioning in the new formation of Antarctic sea ice: role of bacterial exoenzymes".
Institut de Ciències del Mar, ICM, CMIMA, CSIC, Barcelona, Spain.	Scholarship founded by Regione Friuli Venezia Giulia and European funds.	2006	Interactions between protists, viruses and bacteria in marine environments.
Università degli Studi di Messina and Stazione Zoologica A. Dohrn Naples	Ph.D.	Jan 2007- March 2010	Environmental sciences
Stazione Zoologica A. Dohrn Naples	Research fellowship	February 2012- Decembe	Microbial indicators in coastal areas: a metagenomic approach

		r 2013	(MICGEN)
Stazione Zoologica A. Dohrn Naples	Research fellowship	February 2014- June 2016	RITMARE SP3 RIT2 Definizione della comunità microbica costiera tramite citometria a flusso e metodi molecolari.
Stazione Zoologica A. Dohrn Naples	Research fellowship	August 2016- July2017	EMBRC Technological implementation of flow cytometry analysis

Appointments and awards

October 2013 Poster awards Environmental science and toxicology

October 2010 GIC Research Award (Italian Society of Flow Cytometry) Flow Cytometry in original new applications

Publications

Thiele S., Richter M., Balestra C., Glöckner F.O., Casotti R. (2016) "Taxonomic and functional diversity of a coastal planktonic bacterial community in a river-influenced marine area." MARINE GENOMICS. DOI: 10.1016/j.margen.2016.12.003

Pepi M., Borra M., Tamburrino S., Saggiomo M., Viola A., Biffali E., Balestra C., Sprovieri M., Casotti R.(2016) "A Bacillus sp. isolated from sediments of the Sarno River mouth, Gulf of Naples (Italy) produces a biofilm biosorbing Pb(II)." SCIENCE OF THE TOTAL ENVIROMENT 562:588-595. DOI: 10.1016/j.scitotenv.2016.04.097

Amalfitano S., Casotti R., Balestra C., Papa S., Manti A., De Vita R. (2015) "La citometria a flusso nella microbiologia ambientale". Biologi Italiani 12:58-63.

Balestra C., Casotti R. (2013) "An integrated approach to understand the microbial community structure and functioning in coastal areas".XXXI Conferenza Nazionale di Citometria CYTOMETRY PART A 83A. DOI: 10.1002/cyto.a.22412.

Balestra C., Galasso C., Casotti R. (2013) "Effect of algal polyunsaturated aldehydes on a natural marine bacterial community from the Gulf of Naples".XXXI Conferenza Nazionale di Citometria CYTOMETRY PART A 83A. DOI: 10.1002/cyto.a.22412.

Balestra C., Trano A.C., Casotti R. (2013) "Distribution and composition of natural bacterial community at a long term ecological research station (Iter) in the gulf of Naples". XXXI Conferenza Nazionale di Citometria CYTOMETRY PART A 83°. DOI: 10.1002/cyto.a.22412.

Balestra C., Alonso-Saez L., Gasol J.M., Casotti R. (2011) "Group specific effects on coastal bacterioplankton of polyunsaturated aldehydes produced by diatoms". Aquatic Microbial Ecology 63:123-131. Doi: 10.3354/ame01486

Balestra C., Casotti R., Alonso-Saéz L., Celussi M., Bastianini M.,Gasol J.M., Ianora A. (2010) "The effect of polyunsaturated aldehydes on marine phytoplankton and bacteria". XXVII Conferenza Nazionale di Citometria CYTOMETRY PART 77A (2): 155-155.

Balestra C., Bastianini M., Casotti R. (2010) “Winter distribution and dynamics in the Northern Adriatic Sea”. XXVII Conferenza Nazionale di Citometria CYTOMETRY PART 77A (2): 155-155.

Casotti R., Balestra C., Ribalet F., Mazza S. (2010) “The ecological role of marine diatom polyunsaturated aldehydes and hypotesis”. XXVII Conferenza Nazionale di Citometria CYTOMETRY PART 77A (2): 157-157.

Balestra C., Alonso-Saéz L., Gasol J.M. Casotti R. (2008) “Differential effect of polyunsaturated aldehydes produced by diatoms on natural bacterial communities”. XXV Conferenza Nazionale di Citometria CYTOMETRY PART 77A (1): 67-67

Celussi M., Balestra C., Fabbro C., Crevatin E., Cataletto B., Fonda Umani S., Del Negro P. (2008) “Organic matter degradative potential of *Halomonas glaciei* isolated from frazil ice in the Ross Sea (Antarctica)”. FEMS Microbial Ecology 65 (3): 504-512 DOI: 10.1111/j.1574-6941.2008.00551.x