



## Fortunato Palma Esposito

PhD in Biotechnology

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Fortunato has a background in industrial biotechnology and a strong European experience. He got the PhD on February 2018 and now he is Postdoc at IBP-CNR of Naples. His research is focused on the exploitation of marine bacteria and fungi as producers of novel bioactive compounds, such as antimicrobials, antibiofilm, antioxidants, etc. Particular attention of his research was given to improve the microbial cultivability attending to the Macumba summer school (Netherlands, 2015) and working at MicroDish (Netherlands, 2015) learning innovative methods to isolate “uncultivable” microorganisms. Winner of the German scholarship DAAD, he spent four months at Geomar-Biotech (Germany, 2016) to purify and identify antimicrobial compounds by using HPLC and Mass spectrometry techniques. He participated in the 1<sup>st</sup> EMBRIC Transnational Access Programme working at CCMAR (Portugal, 2017) sampling marine sediments and at DSMZ (Germany, 2017) performing metagenomic analysis of the collected sediments. Currently, he is a member of the Young Scientific Working Group of EuroMarine.

## Publications

- Linear Aminolipids with Moderate Antimicrobial Activity from the Antarctic Gram-Negative Bacterium *Aequorivita* sp. Giuseppina Chianese, Fortunato Palma Esposito, Delphine Parrot, Colin Ingham, Donatella de Pascale and Deniz Tasdemir. *Mar Drugs* 2018 May 28.
- Identification of a Sorbicillinoid-Producing *Aspergillus* Strain with Antimicrobial Activity Against *Staphylococcus aureus*: a New Polyextremophilic Marine Fungus from Barents Sea. Paulina Corral\*, Fortunato Palma Esposito\*, Pietro Tedesco\* (\* Co-authors), Angela Falco, Emiliana Tortorella, Luciana Tartaglione, Carmen Festa, Maria Valeria D'Auria, Giorgio Gnavi, Giovanna Cristina Varese, Donatella de Pascale. *Marine Biotechnology*. 2018 April 18.
- Evaluation of *Burkholderia cepacia* Complex Bacteria Pathogenicity Using *Caenorhabditis elegans*. Tedesco P, Di Schiavi E, Palma Esposito F, de Pascale D. *Bio Protoc*. 2016 Oct 20;6(20): e1964
- The antimicrobial potential of algicolous marine fungi to counteract multidrug resistant bacteria: phylogenetic diversity and chemical profiling. Gnavi G, Palma Esposito F, Festa C, Polia A, Tedesco P, Fani R, Monti MC, de Pascale D, D'Auria MV, Varese GC. *Res Microbiol*. 2016 May 9
- Antimicrobial activity of monoramnholipids produced by bacterial strains isolated from Ross sea (Antarctica). Tedesco P, Maida I, Palma Esposito F, Tortorella E, Subko E, Ezeofor CC, Zhang Y, Tabudravu J, Jaspars M, Fani R, de Pascale D. *Mar Drugs*. 2016 Apr 26;14(5)