

Annarita Ricciardelli



Born in Naples (Italy) on 02/12/1987

Tel.: +39 081 5833315

e-mail: annarita.ricciardelli@szn.it

Current Position: Post Doc.

Supervisor: Valerio Zupo

Appointed on project: ADVISE

Affiliation:

Department of Marine Biotechnology, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Pharmacy University of Naples "Federico II" Naples, Italy	Master Degree	2011-2014	Drug Biotechnology - Anti-biofilm molecules from Polar bacteria
Department of Chemical sciences University of Naples "Federico II" Naples, Italy	Ph.D.	2015-2019	Biotechnology - Marine biodiversity as source of anti-biofilm agents
Department of Biomedical Engineering, Rijksuniversiteit Groningen, the Netherlands	Research and training	January- July 2018	Anti-biofilm coatings for biomedical applications
Stazione Zoologica Anton Dohrn Marine Biotechnology Department Naples, Italy	Postdoc	2019-2020	Marine bacteria as source of anticancer and chemopreventive compounds
Stazione Zoologica Anton Dohrn Marine Biotechnology Department Naples, Italy	Postdoc	2021- present	Collection and cultivation of marine cyanobacteria for the isolation of bioactive compounds

Appointments and awards

2018: Winner of a FEMS Research and Training Grant

Publications

Author of 14 publications on ISI-journals (h index: 5) and 1 book chapters

List of publications of the last 10 years:

Journal Papers

Parrilli E, Ricciardelli A, Casillo A, Sannino F, Papa R, Tilotta M, Artini M, Selan L, Corsaro MM, Tutino ML. Large-scale biofilm cultivation of Antarctic bacterium *Pseudoalteromonas haloplanktis* TAC125 for physiologic studies and drug discovery. *Extremophiles*. 2016 Mar;20(2):227-34.

Casillo A, Papa R, Ricciardelli A, Sannino F, Ziaco M, Tilotta M, Selan L, Marino G, Corsaro MM, Tutino ML, Artini M, Parrilli E. Anti-Biofilm Activity of a Long-Chain Fatty Aldehyde from Antarctic *Pseudoalteromonas haloplanktis* TAC125 against *Staphylococcus epidermidis* Biofilm. *Front Cell Infect Microbiol*. 2017 Feb 23;7:46.

Artini M, Cicatiello P, Ricciardelli A, Papa R, Selan L, Dardano P, Tilotta M, Vrenna G, Tutino ML, Giardina P, Parrilli E. Hydrophobin coating prevents *Staphylococcus epidermidis* biofilm formation on different surfaces. *Biofouling*. 2017 Aug;33(7):601-611.

Ricciardelli A, Casillo A, Papa R, Monti DM, Imbimbo P, Vrenna G, Artini M, Selan L, Corsaro MM, Tutino ML, Parrilli E. Pentadecanal inspired molecules as new anti-biofilm agents against *Staphylococcus epidermidis*. *Biofouling*. 2018 Nov;34(10):1110-1120.

Ricciardelli A, Casillo A, Vergara A, Balasco N, Corsaro MM, Tutino ML, Parrilli E. Environmental conditions shape the biofilm of the Antarctic bacterium *Pseudoalteromonas haloplanktis* TAC125. *Microbiol Res*. 2019 Jan;218:66-75.

Artini M, Papa R, Vrenna G, Lauro C, Ricciardelli A, Casillo A, Corsaro MM, Tutino ML, Parrilli E, Selan L. Cold-adapted bacterial extracts as a source of anti-infective and antimicrobial compounds against *Staphylococcus aureus*. *Future Microbiol*. 2019 Nov;14:1369-1382.

Casillo A, Ricciardelli A, Parrilli E, Tutino ML, Corsaro MM. Cell-wall associated polysaccharide from the psychrotolerant bacterium *Psychrobacter arcticus* 273-4: isolation, purification and structural elucidation. *Extremophiles*. 2020 Jan;24(1):63-70.

Ricciardelli A, Casillo A, Corsaro MM, Tutino ML, Parrilli E, van der Mei HC. Pentadecanal and pentadecanoic acid coatings reduce biofilm formation of *Staphylococcus epidermidis* on PDMS. *Pathog Dis*. 2020 Feb 27.

Papaianni M, Ricciardelli A, Fulgione A, d'Errico G, Zoina A, Lorito M, Woo SL, Vinale F, Capparelli R. Antibiofilm Activity of a *Trichoderma* Metabolite against *Xanthomonas campestris* pv. *campestris*, Alone and in Association with a Phage. *Microorganisms*. 2020 Apr 25;8(5):E620.

Sorrentino I, Gargano M, Ricciardelli A, Parrilli E, Buonocore C, de Pascale D, Giardina P, Piscitelli A. Development of anti-bacterial surfaces using a hydrophobin chimeric protein. *Int J Biol Macromol*. 2020 Aug 5:S0141-8130(20)34060-5.

Papaianni M, Ricciardelli A, Casillo A, Corsaro MM, Borbone F, Della Ventura B, Velotta R, Fulgione A, Woo SL, Tutino ML, Parrilli E, Capparelli R. The Union Is Strength: The Synergic

Action of Long Fatty Acids and a Bacteriophage against *Xanthomonas campestris* Biofilm. *Microorganisms*. 2020 Dec 28;9(1):E60.

Galdiero E, Ricciardelli A, D'Angelo C, de Alteriis E, Maione A, Albarano L, Casillo A, Corsaro MM, Tutino ML, Parrilli E. Pentadecanoic acid against *Candida albicans*-*Klebsiella pneumoniae* biofilm: towards the development of an anti-biofilm coating to prevent polymicrobial infections. *Res Microbiol*. 2021 Nov-Dec;172(7-8):103880.

Riccardi C, D'Angelo C, Calvanese M, Ricciardelli A, Sellitto A, Giurato G, Tutino ML, Weisz A, Parrilli E, Fondi M. Whole-genome sequencing of *Pseudomonas* sp. TAE6080, a strain capable of inhibiting *Staphylococcus epidermidis* biofilm. *Mar Genomics*. 2021 Dec;60:100887.

Capparelli R, Cuomo P, Papaiani M, Pagano C, Montone AMI, Ricciardelli A, Iannelli D. Bacteriophage-Resistant *Salmonella* rissen: An In Vitro Mitigated Inflammatory Response. *Viruses*. 2021 Dec 9;13(12):2468.

Book chapters

Parrilli E, Sannino F, Citarella V, Colarusso A, Ricciardelli A, Marino G, Tutino ML. Recombinant anti-body fragments production in the Antarctic marine bacterium *Pseudoalteromonas haloplanktis* TAC125. In: Castro-Sowinsky S. (eds). *Microbial models: from environmental to industrial sustainability*. *Microorganisms for sustainability*, vol 1. Springer, Singapore. 2016.