

ALBERTO VASSALLO

Education and training

- 2013 Bachelor Degree in Biotechnologies awarded Summa Cum Laude – University of Palermo
2015 Master Degree in Biotechnologies for Industry and Scientific Research awarded Summa Cum Laude – University of Palermo
2016 Scholarship holder – Genetic manipulation of streptomycete strains producing antibiotics – University of Palermo
2019 PhD in Molecular and Biomolecular Sciences – University of Palermo
2019 Postdoctoral researcher – Isolation and phenotypic-molecular characterization of bacterial communities associated to environmental matrices – University of Florence
2020 Postdoctoral researcher – Molecular methods for the study of microorganisms in foods – University of Florence
2022-today Researcher (RTDa) of Ecology – School of Biosciences and Veterinary Medicine – University of Camerino

Work experience

2018 Molecular microbiologist at Bio Solutions s.r.l.s.

Research activity

Scientific CV

Alberto Vassallo is an industrial biotechnologist with expertise in molecular biology, in particular molecular microbiology. His PhD regarded the study of the relationship between tryptophan metabolism and antibiotic biosynthesis in the model organism *Streptomyces coelicolor*, applying tools of genetics and -omic approaches. After his PhD, he worked in a startup active in developing customized R&D for pharmaceutical industries: his main work concerned the genetic engineering of bacterial strains to improve production of bioactive compounds. Then, during its postdoc he worked on several topics of microbiology and genetics such as interaction between bacteria and host plants, antibiotic resistance, and gene evolution. He is currently researcher at University of Camerino where he works on Antarctic bacteria to exploit their peculiar traits in biotechnological applications.

Keywords

Molecular microbiology, Genetic engineering, Industrial biotechnology, Antibiotics, Antarctic bacteria

Bibliography and bibliometry

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