

Biography



Dafne Bongiorno, PhD.

Researcher in Microbiology

Work

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OVERVIEW

Dafne Bongiorno has been working in the field of microbiology for the last 14 years. She is specializing in characterization of *Staphylococcus spp* stains at the phenotypic and molecular level (PFGE type, SCCmec, MLST, eBURST program); characterization of VISA and hVISA strain. Characterization of linezolid resistance due to mutation at ribosomal level and/or *cfr* gene, in *Staphylococcus spp*. Study of molecular mechanism of resistance in Gram-negative bacteria.

EDUCATION

- 2015- Master in "Formazione di ricercatori altamente qualificati nel campo della genomica funzionale dei microrganismi di interesse diagnostico multiparametrico clinico".
- 2010- PhD in Microbiological disciplines;
- 2006- Specialization School of Virology and Microbiology, 70/70 *cum laude*.
- 2002- Degree in Biological Sciences, 110/110 *cum laude*.

ACADEMIC APPOINTMENTS

Associate researcher, MMAR lab of University of Catania.

Assistant professor in "Bacteriological diagnostics and antibiotic sensibility" and "Environmental microbiology".

AWARDS & RECOGNITIONS

2011 ESCMID Research Grant 2011. Project: Non-mutational resistance to linezolid: characterization of the plasmid-mediated methyl transferase *cfr* gene.

2012: In the research project "Tigecycline alone and in combination with other drugs against Gram-negative with well defined mechanism of resistance" as expert in molecular microbiology.

From December 2009 to September 2010: "Identificazione di geni della resistenza e della virulenza nei patogeni Gram-positivi e la loro espressione, estrazioni plasmidiche e saggi di coniugazione, sequencing e MLST" in the research project Prin 2007: "Predisposizione all'acquisizione di resistenza o virulenza dei due principali cloni Italiani di MRSA appartenenti ai Clonal Complex CC 5 ed 8" of which the scientific director was Prof. Giuseppe Nicoletti.

2006: In the research project "In vitro activity of Tigecycline against pathogens (including multi-resistant strains) responsible for skin and skin structure infections (SSSI) and intra-abdominal infections" I was involved as expert in molecular microbiology of staphylococci methicillin-resistant for the study of SCCmec, for eight months.