

## Curriculum vitae Dr Floriana Campanile



Senior researcher at the University of Catania.  
Lab MMAR. Department of Biomedical and Biotechnological Sciences.  
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### Overview

Floriana Campanile is senior researcher of Microbiology at the Department of Biomedical and Biotechnological Sciences of the University of Catania, Italy. Since 1994, she has been working at the *LabMMAR* and her current work focuses on antibiotic-resistance, epidemiology of Gram -positive isolates, molecular-typing, evolutionary relationships among strains of diverse sources and horizontal exchange of antibiotic-resistance determinants by mobile genetic elements. She is currently involved in teaching of Microbiology (Biological Science Course), academic project-design and research. Author of more than 40 papers in peer-reviewed international journals. Reviewer of scientific articles for many international journals.

### Education

2002 - PhD in "Microbiological Disciplines" - University of Catania  
1998 – School of specialization in Microbiology and Virology - (70/70 lode). University of Catania.  
1995 - Professional biologist qualification. University of Catania  
1994 - Degree in Biological Sciences (110/110). University of Catania.

### Academic carrier

2011/present - Full Researcher. *LabMMAR*. University of Catania.  
2008/2011 – Associate researcher – *LabMMAR*. University of Catania.  
2007/present - Teaching at the University of Catania, Biological Sciences - degree course of Microbiology.  
2005/2006 - Tutor for the students of excellence. Scuola Superiore of Catania. University of Catania.  
2002/2007 - Associate researcher - *LabMMAR*. University of Catania.  
1999 – Visiting researcher at the Laboratory of Molecular Genetics - University of Lisbon. CEM/NET multicenter program.

### Academic and scientific appointments

2011/present. Secretariat for the Biological Science Course. University of Catania.  
2011/present. Member of the faculty board of the Biological Science Course. University of Catania.  
2011/present. Member of the faculty board of the Department of Biomedical and biotechnological sciences.  
2012/present. Member of the National Board of Expert reviewers for the evaluation of research projects (MIUR)  
2014/present. Member of the faculty board of the PhD in "Translational Bio-medicine".

### Research activity

- Epidemiological studies of *S. aureus* (both methicillin-susceptible and methicillin-resistant, VISA and hVISA) and determination of their genetic correlations, by *SCCmec* element, *spa*-typing, and determination of the Sequence Type by MLST.
- Analysis of the molecular mechanisms responsible for antibiotic-resistance and analysis of gene and genome arrangements, in multidrug-resistant *Staphylococcus* spp. (MDR), *Enterococcus* spp. and *Corynebacterium* spp.
- Analysis of the molecular mechanisms responsible for linezolid resistance in methicillin-resistant *Staphylococcus epidermidis* and MDR *Staphylococcus* spp. by analysis of mutations in 23S rRNA, ribosomal proteins L3, L4 and L22, and acquisition of the *cfr* gene.
- Evaluation of the *in vitro* antimicrobial activity against the main Gram-positive pathogens from serious infections, evaluation of antimicrobial activity in association with other anti Gram-positive drugs, commonly used in the therapy of such infections.

- Study of internalization of *S.aureus* strains from persistent infections such as osteomyelitis and isolates from PJIs, by ex-vivo model in human cell lines.

**Teaching activity**

- Microbiology (Degree course of Biological Sciences);
- Antimicrobial agents and *in vitro* analysis (Degree course of Biological Sciences).