Elisa Antinori

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RESEARCH FELLOW

EDUCATION AND TRAINING

1/2/2021-	**Post-graduate research fellowship** Università degli studi di Verona In support of the research program "Study of olfactory neurons of the expression levels of genes potentially involved in the pathogenesis of sporadic Parkinson's disease", Scientific Responsible of the research Prof. Gianluigi Zanusso.
24/07/2020	**State examination for the qualification to practice as a Biologist** grade 48/50 Università Politecnica delle Marche
12/2017–11/2019	**Master degree in Molecular and Medical Biotechnology** grade 110/110 cum laude Università di Verona- Class of master's degrees in medical, veterinary and pharmaceutical biotechnology (course delivered entirely in English). Thesis entitled: " *Molecular characterization of carbapenemase producing and ceftazidime-avibactam Klebsiella pneumoniae resistant strains*", supervisor Prof. Annarita Mazzariol.
11/2014–12/2017	**Bachelor Degree in Biological Sciences** grade 110/110 cum laude Alma Mater Studiorum-Università di Bologna Thesis entitled: "*Caratterizzazione di ceppi batterici probiotici isolati da campioni fecali di animali da compagnia*", supervisor Prof. Davide Zannoni.

WORK EXPERIENCE

10/2018–9/2019	**Stage** Department of Diagnostics and Public Health - Microbiology section, University of Verona, based in Verona (VR), Piazzale L. A. Scuro, 10. The project I carried out during the intership, the basis of the Master's degree thesis, led to such important results that it required presentation to ECCMID in Amsterdam in April 2019.
7/2017–9/2017	**Stage** Synbiotec Srl, a spin-off company of the University of Camerino, based in Camerino (MC), Via Gentile III da Varano, snc, specialized in the research and development of probiotics.

PERSONAL SKILLS

Native language — italian

Other languages: english

COMPREHENSION		SPEAKING		WRITING
Listening	Reading	Interaction	Oral production	
C1	B2	B1	B1	C1
English language suitability B-1				

Communication skills
- Extreme accuracy in the transmission of information;
- Excellent ability to adapt to multicultural environments.

Organization and management skills	- Excellent organizational skills; - sense of cooperation; - excellent management of available materials and reduction of waste; - excellent sense of order and laboratory cleanliness; - extreme reliability in the preparation of common reagents for laboratory activities. The skills were acquired thanks to the assiduous participation in university laboratories and curricular internships.
Professional skills	-Capacity in the use of laboratory instruments normally used in different branches of research (optical microscope, thermal cycler, spectrophotometer, instrument for Maldi-tof MS, apparatus for electrophoresis on agarose gel, biological and chemical hood, bench and non-bench centrifuges, ultracentrifuge); -competence and versatility in the use of techniques and protocols for the investigation of biophysical questions (molecular biology techniques based on PCR, molecular characterization methods of antibiotic resistance in bacteria, methods for phenotypic determination of the antibiotic- resistance in bacteria such as CarbaNP-Test, ESBL-NP Test, E-Test, NG-Test Carba 5, methods for the determination of bacterial MIC such as dilution in broth or agar, methods for the characterization of genetic correlation such as MLST and Pulsed- Field gel electrophoresis, extraction and cultivation of primary cells, plasmid cloning and bacterial transformations, sequencing, plasmid extraction).
Digital skills	-Good knowledge of Office ™ programs (Word ™, Excel ™, Power Point ™); - excellent knowledge of protein and nucleic acid databases (and related consultation criteria); - excellent knowledge of software for the alignment of protein sequences and nucleotide sequences deriving from gene sequencing; - excellent competence in the use of PubMed as a search engine for scientific literature; - excellent knowledge of web browsers (Google Chrome, Mozilla Firefox, Internet Explorer); - basic skills in Office ™ (Access ™) and graphics (Adobe Illustrator ™) programs. The skills were acquired both during university studies and in free time.

OTHER INFORMATIONS

Publication	Publication and presentation at ECCMID (April 2019) of the following project: "O0286 Klebsiella pneumoniae KPC producer resistant to ceftazidime-avibactam due to a deletion in the blaKPC gene". The work concerns the results of an intense research activity, carried out at the Department of Diagnostics and Public Health - Microbiology section, University of Verona, which led to the discovery of a new mechanism of resistance to ceftazidime-avibactam in a variety of K. pneumoniae with decreased resistance to carbapenems. In particular, the resistance to this new cephalorsporin-inhibitor combination is due to the deletion of 2 amino acids at position 167-168, exactly the proton acceptor site of the KPC enzyme. Abstract publication entitled "Klebsiella pneumoniae KPC producer resistant to ceftazidime-avibactam due to a deletion in the blaKPC3 gene" published online in the monthly journal "Clinical Microbiology and Infection" on February 12, 2020. https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(20)30086-0/fulltext