

CURRICULUM VITAE



PERSONAL INFORMATION

Name and Surname **VINCENZO DI PILATO**
E-mail vincenzo.dipilato@unige.it
Nationality **ITALIAN**
Date of Birth - Place **16/04/1986 - POTENZA (PZ), ITALY**

EDUCATION AND TRAINING

2004 High School Diploma (scientific studies), Liceo Scientifico Statale "G. Galilei", Potenza.

2007 Bachelor's Degree in Biological Sciences (class 12), University of Siena, Siena;
Thesis project: "*Prevalence, persistence and genetic context of metallo-beta-lactamases in clinical isolates of Pseudomonas aeruginosa from cystic fibrosis patients*"

2009 Master's Degree in Biology (class 6/S), University of Siena, Siena;
Thesis project: "*Carbapenem resistance mechanisms in clinical isolates of Pseudomonas aeruginosa from cystic fibrosis patients*"

2009 Research fellow funded by Regione Toscana (FSE Project) aimed at enhancing and expanding the research topics dealt with within the three-year degree (Bachelor) thesis; activity carried out at the Fi.Bi.M (Fisiologia e Biotecnologia dei Microrganismi) laboratory of the University of Siena.

2009 Achievement of FCE (First Certificate of English) by the Cambridge English Language Assessment – University of Cambridge.

2014 PhD in Medical Biotechnologies, University of Siena, Siena;
Thesis project: "*Application Of Next-Generation Sequencing In Clinical Microbiology: New Insights In Mobile Genetic Elements Structures And Antibiotic Resistance Mechanisms*"

WORK EXPERIENCES

2013\2014 [Dec\Oct]
Research grant at the Department of Medical Biotechnology from the University of Siena for research activities on the following topic: "*Analysis of genomes and plasmids extracted from clinical isolates of antibiotic-resistant gram-negative bacteria*"

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2014 [Auh - Sept]	Coordinated and Continuous Collaboration (Co.Co.Co) Agreement entitled " <i>Characterization of the resistance mechanisms and clonal correlations of multiresistant Enterobacteriaceae strains isolated at the AOUS</i> " at the University Hospital of Siena
2014 - 2017 [Nov - Oct]	Post-doc Research fellowship at the Department of Surgery and Translational Medicine of the University of Florence, for research activities on the following topic: " <i>Use of Next Generation Sequencing technology for the characterization of the esophageal microbiome in patients with Barrett's esophagus</i> "
2016 - 2019	Lecturer for General and Clinical Microbiology (SSD MED / 07), academic year 2016-2017, 2017-2018, 2018-2019 for the three-year degree course of Nursing, School of Human Health Sciences, University of Florence.
2019 - 2022 [Nov - Oct]	Assistant Professor (RTD-B, SSD MED/07) of Microbiology and Clinical Microbiology at the Department of Surgical Sciences and Integrated Diagnostics (DISC) of the University of Genoa. Teaching activities 2019-2020/2020-2021/2021-2022 academic years for the University's degree course in Medicine, Biotechnology, Nursing (University of Genoa).
2019 - present [Nov - present]	Trainee microbiologist, Higher Specialist Training Programme in Microbiology and Virology, School of Human Health Sciences, University of Florence, Italy.
2020 [Nov.]	Achievement of The National Scientific Qualification (ASN) to serve as Associate Professor (SSD MED/07) of Microbiology and Clinical Microbiology
2021 – 2022 – 2023	Faculty member of the Ph.D Program in Biotechnologies and Translational Medicine (XXXVII, XXXVIII, XXXIX cycles) of the University of Genoa, Genoa, Italy.
2022 - present [Nov - present]	Associate Professor (RTD-B, SSD MED/07) of Microbiology and Clinical Microbiology at the Department of Surgical Sciences and Integrated Diagnostics (DISC) of the University of Genoa. Teaching activities 2019-2020/2020-2021/2021-2022/2022-2023 academic years for the University's degree course in Medicine, Biotechnology, Nursing (University of Genoa).

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PERSONAL SKILLS

NATIVE LANGUAGE

ITALIAN

OTHER LANGUAGE(S)

ENGLISH

- Understanding
 - Writing
 - Speaking
 - Certification

EXCELLENT (B2)

EXCELLENT (B2)

EXCELLENT (B2)

TRINITY COLLEGE LONDON (GRADE 7), PET, FCE (B2 FIRST)

DRIVING LICENCE

A, B

JOB-RELATED SKILLS

Molecular biology (PCR, qRT-PCR, RFLP, RAPD, PFGE, molecular cloning, southern blot, gel and capillary electrophoresis), Sanger sequencing, next-generation-sequencing (NGS) with second and third generation platforms, DNA manipulation, bacterial transformation\conjugation, microbial biotechnologies. The research activity was focused on the field of clinical microbiology, particularly on antimicrobial agents and resistance mechanisms to last resource drugs, molecular epidemiology and surveillance of bacterial resistance, genetics of antibiotic resistance among Gram-negative, Gram-positive and Yeast organisms of clinical interest and on characterization of the human microbiota and its relationship to health and disease.

DIGITAL SKILLS

Excellent use of the PC, its peripherals and the most common applications: operating systems (Windows, MacOSX, Linux), word processing, spreadsheets, database managers, (MS Office Suite, OpenOffice) web browsing, e-mail, multimedia (photo-editing, audio-editing, video-editing). Excellent knowledge of the main biological databases (NCBI-NIH, EMBL, ExPASy, SILVA, GreenGenes). Excellent knowledge of analysis software for nucleotide sequences (Vector NTI suite), next-generation-sequencing data (FastQC, Abyss, Velvet, Mauvee, ACT, SPAdes, Samtool, QIIME2, bwa, iqtree, snippy), real-time qPCR data.

CITATION NETWORK

(SOURCE: WEB OF SCIENCE)

Publons profile: <https://publons.com/researcher/1310411/vincenzo-di-pilato/peer-review/>

Web of Science ResearcherID: K-1182-2018

Total indexed publications: 98

Total citation: 2248

h-index: 25

EDITORIAL ACTIVITIES

- Associate Editor, *Frontiers in Bacteriology* – Section Molecular Bacteriology and Microbiome
- Editorial Board member of *Antimicrobial Agents and Chemotherapy*
- Review Editor of *Frontiers in Microbiology* – Section of Antimicrobials, Resistance and Chemotherapy
- Review Editor of *Frontiers in Medicine* – Section of Infectious Diseases – Surveillance, Prevention and Treatment
- Review Editor of *Frontiers in Public Health* – Section of Antimicrobials, Resistance and Chemotherapy
- Guest Editor of Special Issue “The COVID-19 pandemic and bacterial infections: microbiological and clinical aspects” in *Microorganisms* (2019 impact factor: 4.15 – Clarivate analytics ©)

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MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

- Reviewer for Academic Journals (Journal of Antimicrobial Chemotherapy, Antimicrobial Agents and Chemotherapy, Frontiers in Microbiology, Journal of Global Antibiotic Resistance, Scientific Reports, mSphere, Emerging Microbes and Infections, Folia Microbiologica, Infections and Drug Resistance, International Journal of Antimicrobial Agents, Lancet Microbe)

PRIZES AND AWARDS

- Italian Society of Microbiology, SIM
- Italian Association of Clinical Microbiology, AMCLI
- European Society of Clinical Microbiology and Infectious Disease, ESCMID
- Best poster - section of Bacteriology - National Congress of the Italian Society of Microbiology (SIM), 2016 edition;
- ESCMID Young Scientist grant to attend the 31st ECCMID international congress;
- Winner of the Journal of Fungi 2021 High Impact Paper Award (<https://www.mdpi.com/journal/jof/awards/2003>)

ADMINISTRATIVE ROLE AND POSITION RESPONSIBILITY

- 2020/2021 – coordination of a Research Study at University of Genoa (<https://disc.unige.it/node/2500>), focused on the genomic characterization of vancomycin-resistant *E. faecium* isolates of clinical origin;
- 2021/2022 – unit coordinator within the project "Predictors of Candida auris candidemia in *C. auris*-colonized COVID-19 patients" - Investigator-initiated research grant from Gilead Italia, Fellowship Program 2021;
- 2023/2025 – co-PI and Unit coordinator within the project "*Development of novel antibacterial agents hijacking iron uptake systems: towards advanced "Trojan horse" strategies (DAHIUS)*", funded by the Italian Ministry of University and Research (PRIN 2022).

The undersigned also declares to be informed, pursuant to and for the purposes of art. 13 of Legislative Decree 30.6.2003, n. 196, that the personal data collected are processed by the University of Genoa in accordance with the relevant Regulations, referred to in the DD.R.R. nn. 198 of 11.7.2001 and 165 of 12.4.2006.

*the rules indicated are applicable to Italian citizens and citizens of the European Union. For the use of the same rules by citizens who are not members of the Union, regularly residing in Italy or authorized to stay there, see art. 4 of the call.

Place and date: **Genova, 07/08/2023**

Signature _____



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