

EUROPASS
CURRICULUM VITAE



PERSONAL INFORMATION

Name **MANTO MARIA PIA**
Address **VICOLO DIETRO CAMPANILE FILIPPINI N.10 VERONA, 37121 (VR)**
Telephone **3396310869**
E-mail **mariapia.manto21@gmail.com**
Nationality Italian
Date of Birth 21/01/1997

WORK EXPERIENCE -
PROFESSIONAL

10/2023 – ongoing Doctoral Student
Faculty of Medicine, Department of Pathology, University of Verona
PhD in Inflammation, Immunity and Cancer
Research Activity: “Molecular mechanisms of cell dissemination and survival in Richter’s syndrome”

05/2023 – 07/2023 Research Fellow
Department of Biology, University of Naples "Federico II"
Research Activity: “Determination of the biological role of bioactive bacterial compounds in cancer cells”

02/2023 - 09/2023 Work on a voluntary basis
Department of Biology, University of Naples "Federico II"
Research Activity: “Study of the biological activity of *Leeuwenhoekiiella parthenopeia* extract on a prostatic cancer cell line: DU145”

EDUCATION AND TRAINING

10/2023 – ongoing Doctoral Student
Faculty of Medicine, Department of Pathology, University of Verona
PhD in Inflammation, Immunity and Cancer
Research Activity: “Molecular mechanisms of cell dissemination and survival in Richter’s syndrome”

03/2025 Qualification to the Profession of Biologist, Section A
University of Bari Aldo Moro

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|-----------------------------|---|
| 20/10/2022 (a.y.2020/2021) | <p>Master's Degree in Biological Sciences (LM-6) – Molecular Diagnostics Curriculum University of Naples "Federico II"</p> <p>Experimental Thesis in General Pathology titled: “Study of the biological activity of <i>Leeuwenhoekella parthenopeia</i> extract on a prostatic cancer cell line: DU145”</p> <p>Grade: 110/110 <i>cum laude</i></p> |
| 30/03/2022 | <p>Completion of the training course for the acquisition of 24 CFU (University Credits) University of Naples "Federico II"</p> |
| 01/2020 – 12/2020 | <p>Advanced Course in Forensic Diagnostics and Genetics University of Naples "Federico II"</p> <p>Final Certificate: 21/12/2020</p> |
| 27/11/2019 (a.y. 2018/2019) | <p>Bachelor's degree in General and Applied Biology (L-13) – Molecular Biology Curriculum University of Naples "Federico II"</p> <p>Experimental Thesis in Hygiene titled: “<i>Pseudomonas aeruginosa</i> biofilm formation on polycarbonate materials: <i>in vitro</i> dynamic model”</p> <p>Grade: 102/110</p> |

**PERSONAL SKILLS AND
COMPETENCES**

Dr. Manto has carried out research using the following analytical techniques:

- PBMCs extraction from whole blood using Ficoll
- Isolation of various leukocyte populations (B Lymphocytes, T Lymphocytes, Monocytes, Neutrophils)
- *In vitro* culture of primary, immortalized, and stabilized cell lines
- Cell cultures (in suspension and adhesion)
- Apoptosis kinetics analysis (CellEvent Caspase-3/7 Green Assay Kit)
- Autophagy kinetics analysis (ab139484 - Autophagy Detection Kit)
- Phosphoproteomics analysis (Kinexus Ab microarray)
- Trojan peptides
- Pharmacoscopy analysis
- Static adhesion assays
- Flow Cytometry
- Measurement of integrin activation status (LFA-1)
- AlamarBlue assay
- MTT assay
- Trypan blue assay
- Cell migration assays
- Bacterial transformation
- Plasmid extraction from bacteria (Mini/Midi PREP)
- Cell transfections
- Nucleic acid extraction from cells and tissues
- Reverse transcription of RNA into cDNA
- Polymerase Chain Reaction (PCR)
- Real-Time PCR
- Protein extraction
- Western blot analysis
- Protein and nucleic acid extract quantification
- Protein immunoprecipitation
- Polyacrylamide gel electrophoresis
- Agarose gel electrophoresis
- Cell cycle analysis (using propidium iodide staining)
- Apoptosis analysis via Annexin V and propidium iodide staining
- SeaHorse live-cell metabolic assay

- Inoculation of bacterial strains (pour plate, streak plate, liquid media inoculation)
- Setup and use of the CDC Biofilm Reactor
- Microbiological analysis for biofilm formation assessment

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGE

| | |
|-------------------|----------------|
| | ENGLISH |
| • Reading | Good |
| • Writing | Good |
| • Oral Expression | Good |

RELATIONAL SKILLS AND
COMPETENCES

Strong interpersonal relationship and colleague interaction skills.
Prone to teamwork given the numerous laboratory experiences gained over the years (research doctorate, research fellowship, Bachelor's and Master's experimental theses, Advanced Course in Forensic Diagnostics and Genetics).
Openness to listening and discussion.

ORGANIZATIONAL SKILLS AND
COMPETENCES

Excellent organizational skills, problem-solving ability, and capacity for planning and organizing work times and methods.
Excellent predisposition for achieving established goals.

TECHNICAL SKILLS AND
COMPETENCES

Excellent knowledge and ability in using Microsoft Windows operating systems.
Expert in internet research and the use of major web and email applications.
Excellent knowledge and use of the main Microsoft Office suite applications: highly skilled in word processing, spreadsheet development in Excel, and creating PowerPoint presentations.
Knowledge and ability in using the main bibliographic database, PubMed.
Excellent ability in using GraphPad Prism.
Good knowledge of FlowJo.

DRIVING LICENSE **Type B**

I hereby declare that the information provided in this CV is true and accurate.
I consent to the processing of my personal data included in this CV, in compliance with the EU Regulation 2016/679 (GDPR).

Verona, 27/10/25

Signature

Maria Pia Ramo