

Maria Carelli

Born in Martina Franca (TA), Italy on 16th June, 1988

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CURRENT POSITION

Since December 2018 **Postdoctoral fellow at University of Verona**, title of the research project: "Application of molecular biology methods for the diagnosis of odontogenic and medical infections"

EDUCATION

PhD student in Applied Science of Life and Health *curriculum Microbiology*, University of Verona. Supervisor: Professor *Davide Gibellini*.

MSc degree in Bioinformatics and Medical Biotechnology with thesis in Neuroscience with a final vote of **110/110**, University of Verona titled "β-amyloid's plaques in a mouse model of Alzheimer's disease: a behavioural and histopathological study" Supervisor: Professor *Marina Bentivoglio*

BSc degree in "Biomedical laboratory scientist" with thesis in Virology with a final vote of **110/110 cum laude**, titled "Project and Cloning of molecular standard for the identification of Epstein-Barr virus and Human Herpes Virus VIII in PCR" University of Bologna. Supervisor: Professor *Alessandro Ripalti*

Professional qualification of biomedical laboratory scientist.

Safety course, University of Verona to be trained about general topics that concern health and safety in the laboratory

PROFESSIONAL EXPERIENCE

Since October 2015 to November 2018, attending Microbiology laboratory of University of Verona, involved in different research projects:

- ❖ Assessment of molecular methods for the diagnosis and identification of drug resistance mutation in HIV1, HIV2 and HCMV
- ❖ Set-up of molecular methods for the diagnosis Respiratory viruses
- ❖ Study of biological effects of Zika virus protein
- ❖ Evaluation of HIV integrated proviral DNA

2018-2019 Grant winner for Tutoring-Didactics/propaedeutics activities at Verona University

2017-2018 Grant winner for Tutoring-Didactics/propaedeutics activities at Verona University

During MSc, curricular internship in Neuroscience

During BSc degree, a total of 1800 hours of **curricular internship** in laboratories of **microbiology, hospital pharmacy, genetics, haematology, pathology** and **transfusion centre** of Policlinico Sant'Orsola - Malpighi, Bologna

OTHER EXPERIENCE

2012 National civilian service (SCN) in Avis Emilia Romagna

PRACTICAL SKILLS

Knowledge of basic methods in molecular biology:

- Nucleic acids extraction
- Primer and probe design
- PCR
- Real-Time PCR
- Molecular cloning
- Sanger sequence analysis

Treatment and processing of human clinical samples, management and use of microbiological analysis methods

Knowledge of statistics and bioinformatics tools

Handling of laboratory rodents

LANGUAGE SKILLS

English, level B2

LIST OF PUBLICATIONS

Ligozzi M, Galia L, **Carelli M**, Piccaluga PP, Diani E, Gibellini D. Duplex real-time polymerase chain reaction assay for the detection of human KIPyV and WUPyV in nasopharyngeal aspirate pediatric samples.

Mol Cell Probes. 2018 Aug;40:13-18. doi: 10.1016/j.mcp.2018.06.001. Epub 2018 Jun 5.

Lanzafame M, Nicole S, Rizzardo S, Piacentini D, Chiesi S, Lattuada E, Diani E, **Carelli M**, Vento S, Gibellini D. Immunovirological outcome and HIV-1 DNA decay in a small cohort of HIV-1-infected patients deintensified from Abacavir/Lamivudine/Dolutegravir to Lamivudine plus Dolutegravir. New Microbiol. 2018 Oct 12;41(4).