

Curriculum Vitae

General Informations:

Vittoria Mattioni Marchetti

Date and place of birth: 03/07/1991, Ponte Dell'Olio (PC)

Nationality: Italian

E-mail: vittoria.mattionimarche01@universitadipavia.it

Education and training:

01 October 2016 – Today

PhD in Genetics, Molecular and Cellular Biology

University of Pavia

Department of Clinical and Surgical, Diagnostics and Pediatric Sciences, Viale Brambilla 74, 27100 Pavia

Project title: “*Multi-drug resistant (MDR) and Extensively-drug resistant (XDR) Gram-negative bacteria of clinical interest: laboratory diagnosis, clinical management and infection control*”

October 2014 – July 2016

Master's degree in Experimental and Applied Biology, Molecular and Biomedical curriculum

University of Pavia

Thesis title: “*Clinical isolates of Escherichia coli producing KPC carbapenemases: an emerging problem in Italy*”

Supervisor: Prof.ssa Roberta Migliavacca

Correlator: Prof.ssa Maria Rosalia Pasca

Score: 110/110 e Lode

March 2015 – July 2016

Internship thesis

Department of Clinical and Surgical, Diagnostics and Pediatric Sciences, Viale Brambilla 74, 27100 Pavia

- Bacteria DNA extraction.
- Phenotypic tests which E-test, modified Hodge Test and diffusion method of Kirby-Bauer agar.
- Antibiogram with semi-automated system Microscan AutoSCAN-4.
- Isoelettrofocusing (IEF).
- Amplification with PCR.
- Agarose gel electrophoresis.
- Bacterial conjugation.
- Plasmid extraction and characterization.
- Genotypization with PFGE.
- Molecular typization with Rep-PCR.
- Multi Locus Sequence Typing* (MLST).

October 2010 – February 2014

Three-year degree in Medical Biotechnology

University of Milano

Thesis title: “*Expression study of Chordoma’s typical markers by Real-Time PCR and Hybridization in situ in zebrafish after silencing of FAS/FASL genes*”

Supervisor: Prof.ssa Paola Riva

Correlator: Dr. Luca Ferrari

Score: 94/110

May 2013 – February 2014

Training

University of Milano

Department of Medical Biotechnology and Traslational Medicine , Via Viotti 3/5, 20133 Milano

- DNA extraction from blood and buccal swamps.
- Amplification with PCR.
- RNA Retrotranscription.
- Cells trasformation.
- Plasmid digestion by restriction enzymes.
- Real-Time PCR.
- Dehydration of Zebrafish embryos.
- Whole-Mount in Situ Hybridization* on Zebrafish embryos.

September 2005 – June 2010

High school Diploma in classical studies

Liceo Classico “A. Racchetti”, Via Ugo Palmieri 4,
26013 Crema

Score: 89/100

Language skills

Native language

Italian

Other Language

English

- Listening: livello B1
- Comprehension: livello B2
- Speaking: livello B2
- Writing: livello B1