



Curriculum Vitae - Angelica De Fabrizio

Born: 10/03/1991; Place of birth POGGIARDO (LE); Nationality/ citizenship: Italy

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EDUCATION EXPERIENCES

- 2017: Bachelor's degree in Biological Sciences, Biology and Biotechnology Dept., University of Pavia (Italy) **Title thesis:** RT-PCR analysis of SRSF1 splicing profile in an in vitro model of EMT. Supervisor: Prof. G. Biamonti.
- 2018: English course, Kaplan International Languages. Los Angeles (CA)
- 2020: Master's degree in molecular biology and genetics (English course), Biology and Biotechnology Dept., University of Pavia (Italy) – **Title thesis:** Effect of antibiotic treatment on microbiota-gut- brain axis in juvenile mice: focus on BDNF and TrkB in the hippocampus and prefrontal cortex. Supervisor: Prof. A. Pascale.
- English certificate TOEFL IBT: 69 (Reading 13, listening 17, speaking 20, writing 19).

RESEARCH EXPERIENCES

Sep 2015-Dec 2016: Traineeship at Molecular Genetics Institute (IGM-CNR). Supervisor: Prof. G. Biamonti. **Project title:** RT-PCR analysis of SRSF1 splicing profile in an in vitro model of EMT.

Dec 2017-Dec 2019: Traineeship in molecular and cellular neuropharmacology; Drug science department, Supervisor: Prof. A. Pascale. **Project title:** Effect of antibiotic treatment on microbiota-gut- brain axis in juvenile mice: focus on BDNF and TrkB in the hippocampus and prefrontal cortex.

Oct 2020- Mar 2021: Erasmus+ traineeship at University of Helsinki, Dept. of Pharmacy – Supervisor: Virpi Talman. **Project title:** An investigation into the downstream signalling pathways of pre-conditioned human umbilical vein endothelial cells.

May 2022-July 2022: Visiting Research Fellow at the CoCoLab (Complexity and Cognition Laboratory) and LEEN (Laboratory of Experimental Economics of Nice) at Côte d'Azur University, Nice-France.

Detailed technical skills

- Informatics: Office 365, R computer and The Observer,
- Molecular biology: PCR, RT-PCR DNA cloning, mutagenesis, DNA/RNA/protein extraction and manipulation, SDS-PAGE and western blotting, Immunofluorescence (IF), MTT assay, tube formation assay.

- Cell biology: bacteria culture, cell manipulation (SHSY-5Y, HUVEC, HCASMC), sterile-stem cell manipulation, differentiation of hPSCs into Cardiomyocytes (CMs).
- Experimental economics software: Orsee (Online Recruitment System for Economic Experiments), zTree (Zurich Toolbox for Readymade Economic Experiments) and oTree (open-source platform for laboratory, online, and field experiments).
- Psychometric instruments for : Facereader, Biopac, Eye tracker, Olfactometer.

TEACHING EXPERIENCES

Dec 2017-Dec 2019

- Responsible for the training all new members in the lab (3 master students and 3 bachelor students) where I introduced basic laboratory techniques including cell culture, RT-qPCR and western blotting.
- Responsible for the training of an PhD exchange student where I introduced western blot techniques and data analysis of western blot results.