

Francesca Lattarulo-*Curriculum Vitae*

Personal data Francesca Lattarulo

Education and qualifications

13/10/2020 – 28/07/2022: Master's Degree in "Experimental and Applied Biology (LM-6) - *Curriculum* in Biomedical and molecular sciences"; University of Pavia

Title of the thesis: "Role of *TET2* in colorectal cancer: synergy between genomic and cellular approaches"

Thesis supervisor: Prof. Natalia Simona Pellegata

Graduation grade: 110/110 *cum laude*

01/10/2017 – 28/07/2020: Bachelor's Degree in "Biological Sciences (L-13) - University of Pavia

Title of the thesis: "Effect of platelet-derived microparticles on migration of tumor cells"

Thesis supervisor: Prof. Mauro Torti

Graduation grade: 110/110 *cum laude*

2012 – 2017: Scientific high school "I.I.S. Bernalda - Ferrandina" Bernalda (MT - Italy)

Research and professional experience

April 2021 – July 2022: Internship for the Experimental Master's Degree thesis
Laboratory of Human Genetics - Cancer Genetics; Department of Biology and Biotechnology,
University of Pavia (Italy)

Supervisor: Prof. Natalia Simona Pellegata

Main research activity:

- Role of TET proteins in colorectal cancer

November 2019 – July 2020: Internship in Biochemistry
Biochemistry laboratory, Department of Biology and Biotechnology, University of Pavia (Italy)

Supervisor: Prof. Mauro Torti

Main laboratory activity:

- Role of platelet-derived microparticles in tumor metastasis

Languages

Italian (mother tongue); English (reading, writing and speaking: intermediate)

Technical skills

- Cell cultures techniques: 2D cell culture; transfection and lentiviral-mediated transduction; functional *in vitro* assays (cell proliferation assay, cell migration assay, colony formation assay);
- Molecular and cellular biology techniques: protein extraction; Western blotting, immunofluorescent staining;
- Molecular genetics techniques: RNA extraction; purification, quantification and quality assessment RNA; PCR; DNA gel electrophoresis;
- Bioinformatics skills:
Software and programs: Microsoft Office (Word, Power Point, Excel), GraphPad Prism, Fiji;

Databases: NCBI (Pubmed, OMIM, ClinVar, Nucleotide, dbSNP, Gene, Protein) Ensembl, UniProt, cBioPortal, Cancer Cell Line Encyclopedia (CCLE), The Human Protein Atlas;

Pavia, 29/09/2022



