

Elisa Dell'Orto

*Master Degree in Applied Biology For Biomedical Research
Bachelor's Degree in Biotechnology*

WORK EXPERIENCE

Internship - October 2024 - October 2025

At the S.C./S.S. Microenvironment and Biomarkers of Solid Tumors – National Cancer Institute – AmadeoLab

“Study of the role of microRNAs in the response to therapies in breast cancer”

- Cell cultures 2D and 3D
- Migration assays
- Organoid formation assays from human breast cancer cell lines
- Transfection with miRNA
- miRNAScope
- Nucleic acid extraction, RT-qPCR, Digital PCR, electrophoresis, Western Blot
- ELISA
- Luciferase assay

Internship - March 2023

At the Department of Biotechnology and Biosciences – University of Milan – Bicocca

“Developed and characterized 3D cell models aimed at studying the crosstalk between tumor cells and the microenvironment cells”

- Cell cultures 2D and 3D
- Migration assays
- Co-culture with CAF and tumor cells
- Organoid formation assays from human breast cancer cell lines

Stage Abroad - October 2019

Tour Guide at Museums in London

Stage - July 2019

At the University of Milan

Forensic Genetics

EDUCATION AND TRAINING

Master Degree in Applied Biology for Biomedical Research 2023 - 2025

At the University of Milan

Assessment: 110 e Lode/110

Thesis title: MIR31 and Response to Trastuzumab in HER2 positive Breast Cancer

Bachelor's Degree in Biotechnology - 2020-2023

At the University of Milan – Bicocca

Assessment: 107/110

Thesis title: Patient-specific modeling of stromal-mediated chemoresistance in pancreatic cancer using a three-dimensional organoid-fibroblast co-culture system

Scientific High School Diploma - 2020

From Liceo Scientifico e Classico Ettore Majorana, Desio

COMPUTER SKILLS

Excellent knowledge of the following programs: Microsoft Word, Excel, PowerPoint, ImageJ, Prism-GraphPad

LANGUAGE SKILLS

Italiano - Native Language

English - B2



ABOUT ME

I am a professional, detail-oriented, and fast learner who enjoys working with others and growing through collaboration.

PUBLICATIONS

MiRNAs: a call to arms that shapes the plasticity of tumor associated macrophages in breast cancer.

Fogazzi V, Cosentino G, Sommariva M, Galardi A, Dell'Orto E, Pupa SM, Taccioli C and Iorio MV
Front. Immunol. 17:1792965. doi: 10.3389/fimmu.2026.1792965 (2026)

Hemostasis at the edge between physiology and cancer

Angela Galardi, Elisa Dell'Orto, Francesca Bianchi, Giulia Cosentino, Valentina Fogazzi, Serenella Pupa, Marilena V. Iorio.
Internal and Emergency Medicine (2026)
Accepted: 10/02/2026