

CV

I am a biotechnology graduate with a pharmaceutical specialization and a strong background in molecular and cellular biology, with a particular focus on immunology and cancer biology. I obtained my Bachelor's Degree in Biotechnology from the University of L'Aquila with honors, followed by a Master's Degree in Pharmaceutical Biotechnology from the University of Perugia, graduating with honors and academic mention.

During my academic training, I developed solid experience in experimental research through both curricular and voluntary internships at the University of Perugia, Section of Pharmacology. I am currently enrolled in the PhD program in Medicine and Experimental Therapies at the University of Perugia. My research interests focus on immune regulation within the tumor microenvironment, with particular emphasis on the mechanisms by which tumor-derived signals modulate dendritic cell function and antitumor immune responses.

Alongside my research activity, I have completed certified training in laboratory animal biology, ethics, legislation, and experimental project design, in accordance with national and European regulations.

Laboratory Experience

During my academic and research training, I have developed experience in experimental techniques applied to molecular and cellular biology. My laboratory expertise includes:

- **Cell culture**, including immortalized cell lines and primary immune cells
- **Molecular biology techniques**, such as nucleic acid and protein extraction, PCR and Real-Time PCR, mouse genotyping, Western blotting, ELISA assays, luciferase reporter assays.
- **Flow cytometry**, including extracellular and intracellular staining, multiparametric analysis, and cell sorting (BD FACSDiscover S8 Cell Sorter)
- **Tissue and organ processing**, including isolation and purification of primary cells from murine models