

Luisa Loconte

Mail: luisa.loconte@uniroma1.it

Nationality: Italian

Education and training:

- **November 2020:** Professional habilitation as Biologist, Sapienza University of Rome
- **October 2018:** Master Degree in “Genetics and Molecular Biology”, Sapienza University of Rome (110/110 cum laude)
- **July 2016:** Bachelor’s degree in “Biological Sciences”, Aldo Moro University of Bari (108/110)

Research Experience:

- **November 2021-June 2022:** Traineeship in the Institut Curie, Paris (FR). Supervisor: Clotilde Thery.
- **November 2018-present:**
3rd year PhD Student in “Innovation in Immuno-mediated and hematological disorders” XXXV cycle laboratory of “Molecular Immunology and Immunopathology” Dept. of Molecular Medicine, Sapienza University of Rome.
Supervisor: Prof. Alessandra Zingoni.
- **November 2017-October 2018:** Research training at the laboratory of “Molecular Immunology and Immunopathology”. Dept of Molecular Medicine, Sapienza University of Rome.
Supervisor: Prof. Alessandra Zingoni.
- **March 2016-September 2017:** Research training at the laboratory of “Molecular Immunology”, Dept. of Biology and Biotechnology “Charles Darwin”, Sapienza University of Rome.
Supervisor: Prof. Loretta Tuosto.

Technical Skills and Competences:

- **Cell biology:** Cell culture maintenance and basic associated techniques; isolation of peripheral blood mononuclear cells and T/NK cells purification; isolation and culture of plasma cells from bone marrow aspirates; confocal fluorescence microscopy; preparation of cellular samples for immunofluorescence and FACS analysis; genetic manipulation of cell lines by transfection; luciferase reporter assay; cytotoxicity assays: 7-AAD and degranulation assays (CD107a).
- **Biochemistry:** Western Blotting; ELISA assay; Exosomes/Microvesicles isolation and purification from the conditioned media of cell lines or from patient’s serum.
- **Molecular Biology:** Extraction of RNA/DNA, RT-qPCR; plasmid DNA purification.
- Data analysis (FlowJo, Image Lab) and statistical analysis (Graphad Prism).

Publications:

- Zingoni A., Vulpis E., **Loconte L.** and Santoni A. NKG2D Ligand Shedding in Response to Stress: Role of ADAM10. *Front. Immunol.* 2020 Mar 25; 11:447. doi:10.3389/fimmu.2020.00447. eCollection 2020.
- Vulpis E. *, **Loconte L.** *, Peri A., Molfetta R., Caracciolo G., Masuelli L., Tomaipitınca L., Peruzzi G., Petrucci MT, Fazio F., Simonelli L., Fionda C., Soriani A., Cerboni C., Cippitelli M., Paolini R., Bernardini G., Gabriella Palmieri G., Santoni A., Zingoni A. “Impact on NK cell functions of acute versus chronic exposure to extracellular vesicle-associated MICA: dual role in cancer immunosurveillance”, *Journal of Extracellular Vesicles*, 2022, 11(1): e12176. * Equal contribution

- Giulimondi F., Digiacomo L., Vulpis E., **Loconte L.**, Ferri G., Cardarelli F., Pozzi D., Zingoni A., Caracciolo G., *"In vitro and ex vivo nano-enabled immunomodulation by the protein corona"*, *Nanoscale*, 2022, 14(29):10531-10539.
- Petillo S., Sproviero E., **Loconte L.**, Cuollo L., Zingoni A., Molfetta R., Fionda C., Soriani A., Cerboni C., Petrucci MT., Paolini R., Santoni A. and Cippitelli M., *"NEDD8-activating enzyme inhibition upregulates Natural Killer cell recognition and killing against Multiple Myeloma"* *Submitted*
- Vulpis E, **Loconte L**, Cassone C, Soriani A, Fionda C, Caracciolo G., Masuelli L, Petrucci MT, Cippitelli M, Santoni A, Zingoni A. *Role of extracellular vesicle associated ULBPs stress-induced ligands in the modulation of Natural Killer-mediated multiple myeloma surveillance. Manuscript in preparation*
- **Loconte L.**,*, Arguedas A.,*Guyonnet L., Guerin C., They C. and Martin-Jaular L., *"Tumor-derived EV uptake by immune cell"* *Submitted*

Rome, 20/01/2023

Signature Luisa Loconte