

PERSONAL  
INFORMATIONS

## WORK EXPERIENCE

From Nov 2022 **Sapienza University (Rome, RM)****PHD student in Molecular Medicine**Mar 2022– Jul 2022 **Tor Vergata University (Rome, RM)****Research Assistant**

I worked with Professor Bottini's research group where I have learnt techniques such as:

- deposition of proteins and matrix vesicles on mica
- use of atomic force microscopy
- isolation and culturing of primary cells and continuous cell lines

Feb 2021– Dec 2021 **Istituto C.S.S. Mendel (Rome, RM)****Research Assistant**

I have worked on the diagnosis of autosomal recessive diseases, with a strong focus on mutations in EVC and EVC2, genes involved in Ellis Van Creveld syndrome and skeletal ciliopathies. Laboratory activities included:

- DNA-extraction from peripheral blood through first- and second-generation sequencing systems
- NGS analysis with related panels
- quantitative analysis techniques (such as MLPA)
- PCR analysis
- Exome analysis

Jun 2021– Dec 2021 **Fondazione Santa Lucia (Rome, RM)****Research Assistant**

I have attended a research team expert in various genetic analysis techniques, such as:

- Real-time PCR on molecular swabs for SARS-Cov2
- Sanger sequencing
- PCR

Oct 2020 – Jan 2022 **Biodiagnostica Medica Srl (Santa Maria delle Mole, RM)****Biomedical laboratory technician**EDUCATION AND  
TRAININGOct 2019 – Dec 2021 **Master's Degree in Medical Biotechnology**

University of Rome "Tor Vergata"

Oct 2015 – Mar 2019 **Bachelor's Degree in Biotechnology**

## University of Rome "Tor Vergata"

## Publications

- Frustaci A., Francone M., Verardo R., Scialla R., Bagnato G., Alfarano M., Chimenti C., Frustaci E., Sansone L., Russo M. "Pemphigus-associated cardiomyopathy: report of autoimmune myocarditis and review of literature", ESC Heart Fail., 25 Aug 2021
- Frustaci A., De Luca A., Galea N., Verardo R., Guida V., Carrozzo R., Chimenti C., Frustaci E., Sansone L., Russo M. "Novel dilated cardiomyopathy associated to Calreticulin and Myo7A gene mutation in Usher syndrome", ESC Heart Fail., 9 Apr 2021

## Conferences participation as a speaker

- Title of the talk: "Matrix Vesicles: a special class of extracellular vesicles". Conference name: 1<sup>st</sup> Mini-Symposium on Nanomedicine. Venue: University of Tor Vergata. Date: June 16<sup>th</sup>, 2022