

# VALENTINA SCAROZZA

*Molecular biologist*

## CONTACTS

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 [Valentina Scarozza](#)

## METHODS

- PCR, RT-PCR
- qPCR (QuantStudio 7Pro, abiprism 7900HT)
- Gel electrophoresis
- Sanger sequencing (ab3730, ab3500xl-dx)
- Fragment length analysis
- Capillary electrophoresis
- Manual and automated RNA and DNA extraction
- Nucleic acid quantification (Nanodrop, Quantus, Qubit, Agilent Bioanalyzer)
- Next generation sequencing (Hamilton Microlab Star, Miseq-dx)
- Separation of leukocyte populations
- Cell culture
- siRNA transfection
- WES data analysis (IGV)
- Somatic variant interpretation (COSMIC, ClinVar, Varsome, Franklin) and genome browser (UCSC)
- PCR primer design (Primer3)

## LANGUAGES

Italian - Native

English - Advanced

Spanish - Intermediate

## REFERENCES

MD Laura Bonaldi  
Veneto Institute of Oncology (Padua, Italy)  
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PhD Ilaria Cavallari  
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Prof. Giovanni Vazza  
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## PRESENTATION

I am a M.Sc. Graduate in Sanitary Biology at Padua University (Italy). After the Master Degree, I have worked at the Veneto Institute of Oncology in Padua, one of the most prestigious cancer centers in Italy. My job consisted in diagnosing and monitoring the most common forms of leukemia through various genetic testing and different technical approaches.

I am a very precise, curious, and determined person. I love working in a team, but I am also capable of operating independently.

My interests include molecular biology, genetics, immunology, and forensics biology. I am currently seeking a stimulating position, so that I can improve my skills and deepen my knowledge.

## EMPLOYMENT HISTORY

### Fellowship at Veneto Institute of Oncology (Padua, Italy)

Gen. 2022 - Jun. 2025

Fellowship at Oncologic Immunology and Molecular Diagnostics department (MD Bonaldi and PhD Cavallari).

In charge of testing genetic markers to diagnose and monitor different types of hematological malignancies and managing analysis flow of samples according to priority.

Main techniques: PCR, RT-PCR, qPCR, DNA sequencing, fragment length analysis, NGS, nucleic acid extraction and quantification, separation of leukocyte populations.

### Master degree Internship at University of Padua (Italy)

Mar. 2021 - Dec. 2021

Nine-month internship in a Human Genetics Laboratory (Prof. Vazza and Prof. Occhi).

Identification and functional characterization of potential pathogenic variants in Familial Papillary Thyroid Cancer through WES data analysis and in vitro assays.

Main techniques: Whole Exome Sequencing data analysis, cell cultures, PCR, qPCR, nucleic acid extraction and quantification, siRNA transfection.

### Bachelor degree Internship at University of Padua (Italy)

Mar. 2019 - May 2019

Three-month internship in a Human Genetics Laboratory (Prof. Rampazzo).

Main techniques: PCR, gel electrophoresis, nucleic acid extraction and quantification, reagents preparation.

## EDUCATION

### Master degree in Sanitary Biology (with Honors)

University of Padua (Italy), Oct. 2019 - Dec. 2021

Dissertation title: "Molecular analysis and functional characterization of novel candidate genes involved in the predisposition to Familial Papillary Thyroid Carcinoma"

### Bachelor degree in Molecular Biology

University of Padua (Italy), Oct. 2016 - Sep. 2019

Dissertation title: "Study on the pathogenetic mechanisms involved in arrhythmogenic cardiomyopathy using a novel murine model"