



Personal Info

MARIA FRANCESCA BOSCO

Clinical Scientist

I am an ambitious girl, qualified as Professional Biologist and graduate in Medical, Molecular and Cellular Biotechnology at Vita-Salute San Raffaele University who is looking for a work experience in the field of molecular diagnostics in clinics or private healthcare companies. With a work experience as Clinical Scientist for genetic data interpretation from NGS-panels and Whole-Exome-Sequencing, I am a thorough, reliable and well-organized girl with the desire to achieve a position that will allow me to have a dynamic role.

Work Experience

2019 – now **Clinical Scientist at Breda Genetics srl – Brescia (Italy).**

- **Next-Generation Sequence Data Analysis** - (Whole-Exome-Sequencing - Exome or genome-based multigene panels - Sanger DNA Sequences.
- Knowledge of the main genes and sequences databases: **PubMed, OMIM, Orphanet, ClinVar, gnomAD, DGV, Human Splicing Finder 3.1, UCSC Genome Browser, 1000 Genomes, ESP, ExAC, The Human Phenotype Ontology (HPO), ENSEMBLE, NCBI.**
- Exomiser Java program.
- Integrative Genomic Viewer and FinchTV tools.

2018 – 2019 **Volunteer at “Vita-Salute San Raffaele” University.** Unity of “Genomics for the diagnosis of human pathologies” - Maurizio Ferrari's Lab - Milano (MI).

2017 – 2018 **Master's Thesis internship (12 months); Vita-Salute San Raffaele” University – Maurizio Ferrari's Lab.** Unity of “Genomics for the diagnosis of human pathologies”. Milano (MI).

Language

- Italian:** native language
- English:** fluently

Soft Skills

- Excellent attention to details and organizational skills.
- Ability to acquire knowledge in new areas quickly.
- Ability to synthesize complex information.
- Critical thinking.
- Problem solving / Strive for results.
- Public speaking.
- Innovation / Creativity.
- Communication skills in interpersonal relationships

IT Skills

Office suite: good knowledge of **Word, Excel, Power Point**

Education

05-09-2019: **Qualified as Professional Biologist after passing the State Exam.** Università della Calabria, Rende (CS).

2016 – 2018: **Master degree in Medical Molecular and Cellular Biotechnology (LM-9).** Vita-Salute San Raffaele University, Milano (MI).

Graduation grade: 101/110

Relator: Prof. Maurizio Ferrari, MD

Correlator: Silvia Galbiati, PhD

2012 – 2016: **Bachelor degree in “Scienze e Tecnologie Biologiche”(L-02).** Università della Calabria” Rende (CS).

Laboratory Skills

- Extraction of DNA, RNA and miRNA from plasma or whole blood using conventional protocols or commercial kits;
- Quantitative and qualitative analysis of genomic DNA: electrophoresis on agarose gel, spectrophotometer (NanoDrop 1000) and fluorimetric quantitative analysis (QUANTUSTM Fluorometer E6150);
- PCR
- Sequencing by Sanger method.
- Droplet Digital PCR (ddPCR), instrument Qx100 (Bio-Rad).
- DNA methylation analysis by ddPCR;
- Extraction of exosomes from plasma through commercial kits and ultracentrifugation.