

CURRICULUM VITAE



PERSONAL DATA

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VONO NICCOLÒ

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EDUCATION AND TRAINING

• 2022 - 2024

Master's degree in Molecular Biotechnology for Personalized Medicine (LM-09)

University "Magna Graecia" of Catanzaro

Fields of study

General Pathology, Machine Learning and Artificial Intelligence, Pharmacology, Data Analysis, Bioinformatics, Molecular Biology, Developmental Biology

Experimental thesis:

Study of the molecular mechanisms regulated by retinoic acid and identification of new therapeutic targets for the treatment of colorectal cancer (Relator: Prof. Gianluca Santamaria)

Thesis internship:

- Developed an experimental protocol for testing hypotheses and collected and analyzed data using appropriate statistical methods;
- Developed and implemented an experimental design for studying promoter sequences of transcription factors' binding motifs;
- Analyzed single-cell RNA sequencing and bulk-RNA sequencing data from Gene Expression Omnibus, ArrayExpress and TCGA datasets using appropriate tools and packages;
- Performed functional enrichment analysis of gene sets and pathways

• 2017 - 2021

Bachelor's degree in Biotechnology (L-02)

University "Magna Graecia" of Catanzaro

Fields of study

Cellular and Molecular Biology, Biochemistry, Pharmacology, Clinical Pathology and Genetics.

Thesis internship:

- Learned Molecular biology techniques: extraction, qualitative and quantitative analysis of DNA, RNA and proteins from cells and tissues, PCR, qRT-PCR, gel electrophoresis, SDS PAGE, western-blotting.
- Use of the optical microscope, use of the fluorescence microscope.

Experimental thesis:

In vitro studies on the effects of non-coding RNAs UC194 and UC443+A in Vascular Smooth Muscle Cells (Relator: Prof. Ciro Indolfi)

Other education and training activities

- *Advanced Training Course @ SIB – Swiss Institute of Bioinformatics: Gene Expression made useful easily: tools and database of Bgee – on May 20, 2022 - online*
- *Workshop - To Publish or Patent: When Is the Right Time? – Organized by Fondazione Human Technopole, on April 15, 2024 – Milan (MI).*
- *Webinar – Implementation of NGS in your research – Organized by BIO Help Learning - on Jan 03, 2025 – online.*

SKILLS

