



# NICOLÒ CINTI

MSc IN MOLECULAR AND INDUSTRIAL  
BIOTECHNOLOGY

## PERSONAL PROFILE

Extremely motivated to improve my knowledge of protein engineering and microbiology potentiality of these fields in a molecular and industrial level

## CONTACT

- Date of birth: 29/08/1994
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## LANGUAGES

- Italian: native language
- English: C1

## SKILLS

- Successful team worker
- Good communication and interpersonal skills
- Excellent organisational and problem solving skills
- Good proficiency in the use of scientific laboratory instruments
- Work experience: Data entry operator, barman

## HOBBIES

- Longboarding
- Gaming
- Making music
- Football
- Basketball

## EXPERIENCE

### PHD STUDENT IN ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY

11/2023 - PRESENT

*ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)*

- Thesis in "MULTIOMICS ANALYSIS OF VITIS VINIFERA-ASSOCIATED BACTERIAL COMMUNITIES FOR THE STUDY OF PGBs AND BIOSTIMULANTS WITHIN WINE PRODUCTION IN A CIRCULAR ECONOMY CONTEXT"

### RESEARCH FELLOW IN ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY

06/2022 - 11/2023

*ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)*

- Advanced knowledge of microbiology, metagenomics, and main techniques for studying microbial communities from different biospheres.
- DNA extraction from different matrices, DNA characterization, NGS, shotgun sequencing, 16s sequencing, Metagenomics, Metabolomics, analytical chemistry (chromatography, MS), molecular Microbiology, culturomics, statistical analysis of complex microbial community

### INTERNSHIP IN PROTEIN ENGINEERING

09/2020 - 05/2021

*COPENHAGEN BIOCENTER, UNIVERSITY OF COPENHAGEN, (DENMARK)*

- Advanced knowledge in protein expression, cultivation-independent methods, bioinformatic tools, artificial design.
- USER cloning, NanoDSF, CPOP system, Gel filtration chromatography using AKTA-FPLC system, Ni-NTA chromatography,

### TECHNICIAN FOR EDUCATIONAL LABORATORIES

09/2019 - 02/2020

*ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)*

- Hands-on experience in administrative management and routine methods for educational laboratories.

### INTERNSHIP IN ANALYTICAL BIOCHEMISTRY

04/2018 - 09/2018

*ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)*

- Practical and theoretical knowledge of Bioluminescence assays and protein-ligand interactions. Skills and autonomy in laboratories.
- Bacterial transformation techniques, PCR, cell culture techniques, development of 3D cellular models, Spectrophotometry, BL imaging

## EDUCATION

### MSC IN MOLECULAR AND INDUSTRIAL BIOTECHNOLOGY

10/2018 - 05/2021

ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)

- Final Vote 110/110
- Advanced knowledge in Molecular Biology (riboregulation), Protein Engineering, Microbiology, NMR, Bio-Crystallography, Bio-Computing, Bioreactor design, Principles of Bioprocess Engineering. Bioelectronics
- Mutagenesis, Molecular cloning, GFP reporter analysis, Bio-crystallization, Bacterial Enrichment, Genotype Characterization, Protein Purification, Biocatalytic Synthesis.

### BACHELOR'S DEGREE IN BIOTECHNOLOGY

09/2015 - 07/2018

ALMA MATER STUDIORUM UNIVERSITY OF BOLOGNA, (ITALY)

- Final vote 107/110
- Excellent knowledge of genetics, biochemistry, pharmaceutical chemistry, analytical biochemistry, molecular and cell biology.
- Techniques learned: PCR, Transformation, Transfection of cells, Transgene Expression, Electrophoresis, Enzymatic Assays, Cell Culture, Virus Culture, Construction of a Recombinant Plasmid, immunoprecipitation, Fermentation in Bioreactors, GCMS, Spectrophotometry, Analysis of Biotechnological Drugs,

## PUBLICATIONS

- ***"Composition and biodiversity of soil and root-associated microbiome in Vitis vinifera cultivar Lambrusco distinguish the microbial terroir of the Lambrusco DOC protected designation of origin area on a local scale"***

PMID: 36910169 PMCID: [PMC9992870](https://pubmed.ncbi.nlm.nih.gov/36910169/) DOI:[10.3389/fmicb.2023.1108036](https://doi.org/10.3389/fmicb.2023.1108036)

- ***"Microbiome variation at the clam-sediment interface may explain changes in local productivity of Chamelea gallina in the North Adriatic Sea"***

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