



LUCA MELLERE

Industrial
Biotechnologist

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CONTACT

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SKILLS

Photoshop CC

Microsoft Office

Windows System

English Language

PROFILE

I'm Luca, a PhD student in Life sciences and Biotechnology at the University of Insubria. My academic interests mainly revolve around fungal and microbial biotechnologies.

EDUCATION

MASTER'S DEGREE IN INDUSTRIAL BIOTECHNOLOGIES

Università degli Studi di Milano-Bicocca 10/2019 – 10/2021

Thesis: "Preparation and application of protoplasts in the strain improvement and maintenance processes of the teicoplanin producer *Actinoplanes teichomyceticus* ATCC 31121"

Grade: 110/110 with honors

BACHELOR'S DEGREE IN BIOTECHNOLOGIES

Università degli Studi di Milano-Bicocca 10/2016 – 09/2019

Thesis: "Integration of Membrane Bioreactors with Edible Filamentous Fungi for Valorization of Expired Milk"

Grade: 108/110

EXPERIENCE

RESEARCHER

BioC-CheM Solutions 11/2020 – Ongoing

During my first year I learnt advanced notions on the cultivation of actinomycetes, filamentous fungi and bacteria acquiring theoretical and practical notions of microbiology, microbial physiology and fermentation chemistry.

I also worked for the chemistry department where I learnt the basics of analytical and purificative chemistry thus approaching the methods involved in industrial downstream processes.

RESEARCH INTERN

Università di Milano-Bicocca 04/2019 – 06/2019

Research project focused on the study of neurodegeneration mechanisms induced by reactive gliosis based on the use of in vitro astrocytosis models and primary neuronal cultures. The study involved the use of various cell biology and biochemistry techniques.

PUBLICATIONS

PAPER

Mellere L, Bava A, Capozzoli C, Branduardi P, Berini F, Beltrametti F. "Strain Improvement and Strain Maintenance Revisited. The Use of *Actinoplanes teichomyceticus* ATCC 31121 Protoplasts in the Identification of Candidates for Enhanced Teicoplanin Production"

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