



Michele Casoria

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Gender: Male **Date of birth:** 21/01/1996 **Nationality:** Italian

EDUCATION AND TRAINING

[01/11/2021 – Current] **PhD Student**

University of Florence

Address: Via della Lastruccia, 13 , 50019 , Sesto Fiorentino, Italy

Field(s) of study: Physical Chemistry

Main subject / occupational skills covered:

Molecular Dynamics and computational study and bioinformatic approach to synthetic conformational peptide epitopes to disclose molecular mechanism of aberrant immune response in auto-immune diseases.

[10/01/2018 – 22/09/2021] **Master Degree in Chemistry LM-57**

University of Florence

Address: Via della Lastruccia, 13 -, 50019 , Sesto Fiorentino (FI), Italy

Field(s) of study: Synthesis, Structure and properties of organic compounds

Final grade: 110/110 cum laude

Number of credits: 120

Thesis: SYNTHESIS AND BIOLOGICAL EVALUATION OF CELL-PENETRATING PEPTIDES

[08/04/2021 – 01/08/2021] **Master's Internship**

University of Cologne, Institute for Biochemistry - Germany

Address: Zùlpicher Str. 47a, 50674, Cologne, Germany

Field(s) of study: Peptide Chemistry, Chemical Biology,

Level in EQF: EQF level 1

Number of credits: 30 + 6

Thesis: Synthesis and biological evaluation of Cell-penetrating Peptides

Main subject / occupational skills covered:

Preparation by Solid-phase peptides Synthesis a series of Cell-penetrating peptides

Peptides analyze by HPLC, IR and Mass.

CD spectroscopy to get insights into secondary structure formation.

Peptides evaluation of antimicrobial activity by INT-Assay with gram-positive and gram-negative bacteria, calculation of MIC by fitting curve dose-response.

Haemolysis assay with human red blood cells.

Cytotoxicity Assay with tumor and non-tumor cells.

Measur of intracellular uptake using Flow-Citometry and Fluorescence Microscopy.

Prof. AnnaMaria Papini (supervisor) at University of Florence

Prof. Ines Neundorf (Co-rapporteur) at University of Cologne

[01/09/2014 – 22/02/2018] **Bachelor's degree in Chemistry L-27**

University of Salerno, Department of Chemistry and Biology A. Zambelli

Address: Via Giovanni Paolo II, 132, 84084, Fisciano (SA), Italy

Field(s) of study: Chemistry

Final grade: 110/110

[01/09/2018 – 01/12/2018] **Bachelor Training**

University of Salerno

Address: Via Giovanni Paolo II, 132 , 84084, Fisciano (SA), Italy

Field(s) of study: Peptide Chemistry

Final grade: Bachelor Degree

Thesis: Synthesis of five new cyclic peptoids containing (2S,4R)-4-hydroxyproline (Hyp) residues

<https://pubs.rsc.org/ja/content/articlelanding/2018/ob/c8ob01522h#!divAbstract>

Main subject / occupational skills covered:

Synthesis of five new cyclic peptoids containing (2S,4R)-4-hydroxyproline (Hyp) residues using a mixed "submonomer/monomer" approach.

Alkali metal cation affinities and ion transport activities were assessed by experimental (NMR and HPTS assay in liposomes).

[01/09/2010 – 06/01/2014] **Secondary School Diploma in Chemistry**

I.T.I. E. Fermi

Address: Via Roma, 26 , 84087, Sarno (SA), Italy

Field(s) of study: Chemistry

Final grade: 90/100

WORK EXPERIENCE

[01/07/2018 – 01/10/2018] **Technical quality assurance**

La Vera Napoli Soc. Coop. Agr., Cercola (Italy)

City: Naples

Country: Italy

Main activities and responsibilities:

Tomato juice management and control officer for filling liquid (pH and °Brix correction);
Pasteurizer management and control operator (time check and temperatures according to specifications) verification F100;

Employee at management and control of net weights and filling weights (Drained);

Box crimping control by projector dedicated software;

Finished product inspector (net weights and drained, pH, ° Brix, various defects); Mold quantity control officer Howard.

[01/07/2012 – 01/10/2016] **Technical quality assurance**

Franzese s.p.a., Palma Campania (Italy)

City: Naples

Country: Italy

Main activities and responsibilities:

Tomato juice management and control officer for filling liquid (pH and ° Brix correction);
Pasteurizer management and control operator (time check and temperatures according to specifications) verification F100;

Employee at management and control of net weights and filling weights (Drained);

Box crimping control by projector dedicated software;

Finished product inspector (net weights and drained, pH, ° Brix, various defects); Mold quantity control officer Howard

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | OriginPro

DRIVING LICENCE

Cars: B