





SFORZI LUCREZIA





Personal Data

 14/11/1996
 Via San Michele 44,
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 334 5734255
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Technical Skills

Solid-phase peptide synthesis,
manual and automated.
Use of RP-HPLC and HPLC/MS.
UV-Vis, FT-IR,
SEM and Optical Microscopy.

Linguistic Skills

Italian 
English 

Work Experience

11/2023-in progress Tutor	PhD in Drug Area and Innovative Treatments, University of Florence <u>Paolo Rovero</u> "Development of bioactive peptides of cosmeceutical interest through environmentally sustainable processes "
Title	

Education

April 2023	Master Degree in Advanced Molecular Sciences, University of Florence 110/110 with honor <u>Anna Maria Papini</u> "Synthesis and purification of Waglerin-1 analogs containing [1,2,3]triazolyl as disulfide mimetic for cosmeceutical applications" <i>Synthesis of peptides of cosmeceutical interest by both automated and manual solid-phase synthesis. Synthesis of analogs containing non-natural amino acids and formation of [1,2,3]triazole bridges as disulfide bridge analogues by click chemistry. Purification and characterization of the obtained products by RP-HPLC and mass spectrometry.</i>
Supervisor	
Title	
October 2020	Bachelor Degree in Chemistry, University of Florence 108/110 <u>Francesca Ridi</u> "Preparation and characterization of macroporous cements for biomedical applications" <i>Preparation of gelatin microspheres by water-in-oil emulsion. Preparation of magnesium phosphate cements. Characterization using UV-Visible Spectrophotometry, Optical Microscopy and SEM. Characterization of gelatin-containing cements using confocal Raman Microscopy, FT-IR, X-ray tomography, spreading and setting time.</i>
Supervisor	
Title	
June 2015	Scientific High School Graduation, ITCS Filippo Pacini 89/100