

SFORZI LUCREZIA



Personal Data

 14/11/1996
 Via San Michele 44,
Agliaia (PT)
 334 5734255
 lucreziasforzi14@gmail.com

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 Title	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 "
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Education

April 2023	Master Degree in Advanced Molecular Sciences, University of Florence 110/110 with honor Supervisor <u>Anna Maria Papini</u> Title "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>
October 2020	Bachelor Degree in Chemistry, University of Florence 108/110 Supervisor <u>Francesca Ridi</u> Title "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>
June 2015	Scientific High School Graduation, ITCS Filippo Pacini 89/100

Publications

1. Gelli, R., Sforzi, L., Montanari, F. *et al.* Alendronate-loaded gelatin microparticles as templating agents for macroporous magnesium phosphate-based bone cements. *J Mater Sci* 57, 12994–13010 (2022). <https://doi.org/10.1007/s10853-022-07439-7>
2. Errante F, Sforzi L, Supuran CT, Papini AM, Rovero P. Peptide and peptidomimetic tyrosinase inhibitors. *Enzymes*. 2024;56:135-189. doi: 10.1016/bs.enz.2024.06.005. Epub 2024 Sep 10. PMID: 39304286.

Congresses

- 37th European Peptide Symposium and 14th International Peptide Symposium 25th-31st August, 2024, Firenze. Poster: Development of bioactive peptides of cosmetic interest through environmentally sustainable processes, doi: <https://www.kvinzo.com/37EPS/Sforzi-1727082927-vPPJQd.pdf>. Book of abstract: <https://onlinelibrary.wiley.com/doi/epdf/10.1002/psc.3642>
- 29th American Peptide Society and 15th International Peptide Society Symposium, 15th-19th June 2025, San Diego, California; Oral Presentation at Young Investigator Symposium, abstract present in: https://aps2025.org/wp-content/uploads/2025/06/yi_program_book_2025.pdf
29th American Peptide Society and 15th International Peptide Society Symposium, 15th-19th June 2025, San Diego, California; Poster Presentation, abstract present in: https://aps2025.org/wp-content/uploads/2025/06/25_program_post_final.pdf