

Scientific CV of Lorenzo Pacini

Personal data

Name and surname: Lorenzo Pacini

Date and place of birth: 13 July 1989, Pistoia (PT), Italy

Nationality: Italy

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Vocational training

- 2008: secondary school diploma at scientific High school in Pistoia (PT)
- 2009-2015: Pharmaceutical Chemistry and Technology at University of Florence (FI)
- 2016: Master degree with the thesis "Peptide as drug: three possible uses in anticancer and antiviral therapies" Supervisor: Prof. Paolo Rovero.
- 2017: Post-graduate Fellowship (funded by FONDAZIONE RRCA ONLUS - ISTITUTO PROSPERIUS FIRENZE) at the Interdepartmental laboratory PeptLab (University of Florence) - Design and synthesis of Human Relaxin-1, a peptide hormon involved in several biological activities, and its analogs.
- 2018-2019: Peptide Chemist at Fabbrica Italiana Sintetici (F.I.S. spa) - GMP Syntheses of Peptide APIs and intermediate
- 2020-2021: Research assistant at Interdepartmental laboratory Peptlab (University of Florence) - Synthesis and the characterization of SARS COV-2 Spike protein epitopes and the Optimization of SPPS of long and difficult peptides.
- 2021: Chemical Technologist - Research and development of a greener substitute of trichloroethylene with improved efficiency and sustainability, aimed to degreasing metal products. Project funded by Tuscany region, POR FESR Call.
- 2022: PhD student in Chemical sciences at University of Florence with the project "Greening peptide chemistry: a necessary step to the future" tutor: Prof. Anna Maria Papini.

Conferences

12.12.20: 3rd meeting of the Italian peptide society (ItPS) - speaker

Publications

On-resin microwave-assisted copper-catalyzed azide-alkyne cycloaddition of H1-relaxin B single chain 'stapled' analogues

D'Ercole, A., Sabatino, G., Pacini, et al. (2020) *Peptide Science*, 11 2(4), e24159.

An Optimized Scalable Fully Automated Solid-Phase Microwave-Assisted cGMP-Ready Process for the Preparation of Eptifibatide

Sabatino, G., D'Ercole, A., Pacini, et al. (2020) *Organic Process Research & Development*, 25(3), 552-563. ù

An Optimized Safe Process from Bench to Pilot cGMP Production of API Eptifibatide Using a Multigram-Scale Microwave-Assisted Solid-Phase Peptide Synthesizer

D'Ercole, A., Pacini, L., et al. (2021) *Organic Process Research & Development*, 25(12), 2754-2771.