



Francesco Brenzini Biagioni

Date of birth: 04/08/1998 | **Nationality:** Italian | **Sex:** Male | **Phone:**
(+39) 3349113641 (Mobile) | **Email:** francesco.brenzinibiagioni@unifi.it | **Email:**
francesco.brenzini-biagioni@univ-rouen.fr | **Email:** fbrenzini@gmail.com |
Address: Florence , Italy (Work)

EDUCATION AND TRAINING

02/11/2023 – CURRENT Rouen, France

XL CHEM - PHD IN CHEMISTRY Cotutelle between University of Rouen Normardie and University of Florence

Thesis Synthesis of 5-member heteroamatics containing peptide backbones: pro and cons of structural constraints induced by amide bond surrogates.

20/10/2021 – 19/10/2023 Florence, Italy

MASTER'S DEGREE IN CHEMICAL SCIENCE, CURRICULUM: SYNTHESIS, STRUCTURE AND PROPERTIES OF ORGANIC COMPOUNDS University of Florence

Final grade 110/110 |

Thesis Synthesis of a dual-drug based on the antibacterial peptide lugdunin functionalized with the Carbonic Anhydrase sulfonamide inhibitor acetazolamide

20/09/2017 – 21/10/2021 Florence, Italy

BACHELOR DEGREE IN CHEMISTRY University of Florence

Final grade 101/110 |

Thesis Synthesis of triazole-based compounds as carbonic anhydrase inhibitors. Study of the catalytic effects of copper ferrite in CuAAC reactions.

PUBLICATIONS

2024

Synthesis of 5-member heteroaromatics containing peptide backbones: pro and cons of structural constraints induced by amide bond surrogates.

Brenzini, B. F.; Layec, C.; Porte, K., Renard, P. Y.; Papini, A. M.
37th European Peptide Symposium and 17th International Peptide Symposium, Florence (Italy)
Poster communication P1.268 (pag.228)
<https://doi.org/10.17952/37EPS.2024.P1268>

2024

Synthesis, characterization and biological activity evaluation of a dual-drug based on the antibacterial peptide lugdunin functionalized with the Carbonic Anhydrase sulfonamide inhibitor acetazolamide.

Quagliata, M.; Brenzini, B. F.; Giovannuzzi, S.; De Luca, V.; Capasso, C.; Nocentini, A.; Supuran, C. T.; Rovero, P.; Papini A. M.
37th European Peptide Symposium and 17th International Peptide Symposium, Florence (Italy)
Poster communication P2.083 (pag.308)
<https://doi.org/10.17952/37EPS.2024.P2083>

2025

Studies on Azasugar-based sulfonamides: a new class of Carbonic Anhydrase inhibitors

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH - FLUENT	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● **TECNICAL SKILLS**

Synthesis, purification and characterizzation of linear and cyclic peptides

Antibacterial peptide

Click chemistry

● **CONGRESS**

25/08/2024 – 29/08/2024

37th European Peptide Symposium and 14th Intenational Peptide symposium

Organizing committee member

30/08/2024 – 31/08/2024

37th European Peptide Symposium and 14th Intenational Peptide symposium workshops