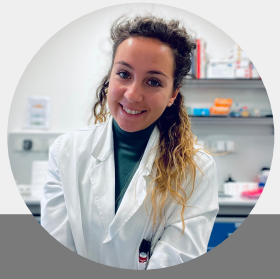

Fosca Errante

Early postdoc
Research fellow

Personal Profile

Motivated researcher who works with strong determination and considerable autonomy in the design, synthesis and pharmacological evaluation of peptides of pharmaceutical interest. Highly interested in the technology transfer of cosmeceutical peptides, collaborates with Espikem S.r.l., founded in 2003 as a spin-off company of the University of Florence. Ph.D. carried out at the University of Florence in Drug Research and Innovative Treatments under the supervision of Prof. Paolo Rovero. Now involved in a research project to develop bioactive peptides to be used as scaffolds in tissue regeneration.

PhD thesis

University of Florence, November 2018- January 2022

Design, synthesis and biological evaluation of bioactive peptides: collagen turnover modulators for cosmeceutical use and SARS-CoV-2 virus antigens for diagnostic and vaccinal uses

Publications/ Patent

Ledwoń P., Errante F., Papini A.M., Rovero P. and Latajka R. Peptides as Active Ingredients: A Challenge for Cosmeceutical Industry. Chem. Biodiversity, 2021, 18: e2000833.
doi: 10.1002/cbdv.202000833

Errante F., Menicatti M., Pallecchi M., Giovannelli L., Papini A.M., Rovero P., Bartolucci G. Susceptibility of cosmeceutical peptides to proteases activity: Development of dermal stability test by LC-MS/MS analysis. J. Pharm. Biomed. Anal., 2021, 194: 113775.
doi: 10.1016/j.jpba.2020.113775

Errante F., Ledwoń P., Latajka R., Rovero P., Papini A.M. Cosmeceutical Peptides in the Framework of Sustainable Wellness Economy. Frontiers Chem., 2020, 8: 572923.
doi: 10.3389/fchem.2020.57292

Cipriani C., Pascarella S., Errante F., Menicacci B., Magnelli L., Mocali A., Rovero P., Giovannelli L. Serpin A1 and the modulation of type I collagen turnover: effect of the C-terminal peptide 409-418 (SA1-III) in human dermal fibroblasts. Cell Biol. Int., 2018, 42, 10: pp. 1340-1348.
doi: 10.1002/cbin.11018

International patent application WO 2020/245772 A1 (PCT/IB2020/055291). Errante F., Giovannelli L., Papini A.M., Rovero P. Bioactive peptides and compositions comprising them / Peptidi bioattivi e composizioni che li contengono. Priority: 07/06/2019 Italian patent 102019000008364. Applicants: Espikem Srl, Università di Firenze.

Event partecipations:

Scientific Meeting of the Italian Peptides Society dedicated to Young Researchers - Vittorio Erspamer Scientific Award, Florence, November 13, 2021
Oral presentation: "Design, synthesis and biological evaluation of collagen turnover modulators for cosmeceutical use"

40th Advanced Course of Medicinal Chemistry and "E. Duranti" National Seminar for PhD student, ESMEC, Florence (virtual event), June 28 – July 1, 2021
Poster presentation: "Collagen turnover modulators for cosmeceutical uses"

13th Young Medicinal Chemist's Symposium, Florence (virtual event), April 26th-29th, 2021.
Oral presentation: Design and synthesis of SARS-CoV-2 antigens for diagnostics and vaccinology.

III Meeting of the Italian Peptide Society, Rome, December 12th, 2020
Oral presentation: Design and synthesis of SARS-CoV-2 antigens for diagnostics and vaccinology.

Chemistry meets Industry & Society (CIS2019), Grand Hotel Salerno (SA, Italy)
28th-30th August, 2019. Workshop3 - Smart peptide chemistry for next generation industry in a sustainable society.
Oral presentation: Anti-ageing peptides derived from serpin A1 for cosmeceutical uses.

PhDday10 the day dedicated to PhD students, Polo Scientifico Sesto Fiorentino (FI, Italy)
Poster presentation: Fosca Errante, Lisa Giovannelli, Anna Maria Papini and Paolo Rovero. Peptides in skin remodeling. 23th May 2019, Sesto Fiorentino (FI) Italy. P35

37th Informal Meeting on Mass Spectrometry, Fiera di Primiero (TN, Italy), 5 th – 8 th May 2019, STAFF

35th European Peptide Symposium, Dublin City University (Irland) 26th – 31st August 2018, Dublin, Irland.
Poster presentation: Fosca Errante, Simona Pascarella, Caterina Cipriani, Lisa Giovannelli, Anna Maria Papini and Paolo Rovero. Serpin A1 derivatives as collagen turnover modulators for cosmeceutical uses. Pag 136-137

1st Mass Spectrometry Peptide Day, Florence (Italy), February 10-12nd 2016, STAFF.

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