

Course for Ph.D. students

Peptidomimetic syntheses and bioconjugation strategies serving the drug sciences (2 ECTS)

Prof. Lucia Battistini
University of Parma

The course will take place according to the following agenda:

4.10.2021	(14.30-17.30)
7.10.2021	(14.30-17.30)
11.10.2021	(14.30-17.30)
14.10.2021	(14.30-17.30)

To attend the course please contact:

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*Enrolment is open from 21/07/2021 to 04/08/2021
(by e-mail message)*

Course description

Examples selected from the recent literature will be presented, where small-molecule peptidomimetics or pseudopeptides were developed with the aim to target (and interfere) with specific interactions between natural ligands and their receptors involved in the progression of pathologies including cancer, inflammatory, and fibrotic diseases.

The design, synthesis and characterization of these peptidomimetic scaffolds, their use as inhibitors *per se* or as drug-delivery tools will be discussed.

The covalent conjugation techniques to link these scaffolds to bioactive payloads be they therapeutics or imaging-active probes, and the assembly of noncovalent nanoparticles thereof will be also described.