Course for Ph.D. students
40th cycle (Nov 2023 – Oct 2026)

Bioactive peptides and peptidomimetics

(1 ECTS)

Prof. Prof. Lucia Battistini
University of Parma

Course language:
Italian (English upon students' request)

Schedule:
27/06/2025 *10.00-13.00*
04/07/2025 *10.00-13.00*

Enrolment is open from 2 to 20 June; to attend the course please contact:
Prof. Lucia Battistini (*lucia.battistini@unipr.it*)

Course description

Examples selected from the recent literature will be presented, where small-molecule peptidomimetics or pseudopeptides were developed with the aim to target 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 will also be described.