

# Course for Ph.D. students

## 38<sup>th</sup> cycle (Nov 2022 – Oct 2023)

### Bioactive peptides and peptidomimetics (1 ECTS )

**Prof. Lucia Battistini**  
*University of Parma*

*The course will take place according to the following agenda:*

18/07/2023	14.30-17.30
26/07/2023	14.30-17.30

*To attend the course please contact:*

**Prof. Lucia Battistini ([lucia.battistini@unipr.it](mailto:lucia.battistini@unipr.it))**

***Enrolment is open from 21/06/2023 to 05/07/2023  
(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 will be also described.