Course for Ph.D. students
XLII Cycle (1 Nov 2026 – 31 Oct 2029)

Curriculum
Innovation in Pharmaceutical Sciences

Enzymes in Drug Discovery
(1 ECTS)

Prof. Barbara Campanini
UNIVERSITY OF PARMA

Course language: **English**

Approximative scheduling: ***summer 2027***

The exact date and time will be announced by e-mail and on the website in the page "Active courses" for each session.

To attend the course please contact:
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Course description

The course covers the exploitation of enzymes in drug discovery, production, and development, with a focus on three interconnected topics: **enzymes as drug targets**, **enzymes as therapeutic agents**, and **enzymes as tools in green chemistry** for drug synthesis. By the end of the course, Ph.D. students are expected to: i. demonstrate a systematic understanding of the principal fields of application of enzymes in drug discovery; ii. critically apply concepts and methods to enzyme-based case studies and to the design or assessment of research strategies; iii. discuss and present enzyme-related drug discovery case studies using appropriate scientific terminology.

Evaluation: YES (case study discussion with students)