

# Course for Ph.D. students 40<sup>th</sup> cycle (Nov 2024 – Oct 2027)

**Preclinical research: from science to legislation**

**(2 ECTS )**

**Prof. Ilaria Zanotti**

UNIVERSITY OF PARMA

*Course language: English*

*Approximative scheduling: September 2025*

*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 will provide an overview of the basic knowledge to carry out preclinical studies, with a special focus on the use of animals in scientific procedures.

In detail, the following topics will be addressed:

- The code for Research Integrity
- 3Rs principles
- Alternative methods to replace the animal models
- A priori statistic analysis to calculate the sample size
- European and Italian laws for the experiments involving animals
- Guidelines for the request of the authorization to carry out experiments involving animals