



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Biologia Cellulare e Molecolare PhD Program

Ethical and Practical Aspects of Animal Use in Experimental Research

Learning Outcomes and Course Contents

This 15-hour course provides participants with a comprehensive understanding of the ethical and practical considerations surrounding the use of animals in experimental research. Participants will gain detailed knowledge of national legislation governing animal experimentation and ethical frameworks aimed at ensuring animal welfare. The course emphasizes alternative methods to animal use, in line with the principles of the 3Rs (Replace, Reduce, Refine).

Special focus is given to the practical aspects of working with laboratory rodents, including their care, maintenance, and the recognition of pain-related behaviors.

The course is structured into three modules:

Module 1: Ethical and Legislative Aspects (Prof. Nicola Facchinello)

Module 2: The 3Rs and Alternative Methods (*Replace, Reduce, Refine*) (Prof.ssa Monica Forni)

Module 3: Animal Welfare (Prof. Luca Lorenzini)

Teaching Methods

Lectures by subject matter experts.

Assessment Methods

A multiple-choice test to evaluate knowledge of ethical, legislative, and practical aspects.

How to Attend

The course is aimed primarily at first-, second-, and third-year PhD students.

Interested students are requested to register by sending an email to nicola.facchinello@unibo.it, indicating whether they wish to attend in-person or online.