



FONDAZIONE GUIDO BERNARDINI  
BETTER EDUCATION FOR BETTER SCIENCE

March 23, 2023  
from 9:00 to 17:00  
CET Time Zone

## OnLine Course

### CLEANSING AND DECONTAMINATION

State of the art,  
innovative approaches,  
and challenges in  
laboratory animal  
facilities

#### Course aim

The course is focused on modern laboratory animal (mainly rodents) facilities and is designed to provide the participants with concepts of cleaning, decontamination and the main difference between disinfection, pasteurization, sanitization and sterilization. The discussion will be focused not only on the current state of the art solutions but also on the challenges and new possible solutions for cleansing and decontamination procedures.

#### Learning Outcomes

The course participants should be able to:

- Describe the concepts of cleaning and decontamination, and the main differences between disinfection, pasteurization, sanitization, and sterilization
- Describe the differences between detergents and disinfectants
- Describe what detergents are and what they can do
- Describe what disinfectants are and their main applications in an animal facility
- Describe and compare traditional and modern decontamination methods
- Describe the applications and challenges of decontamination with H<sub>2</sub>O<sub>2</sub>
- Understand and describe the application of steam sterilization in an animal facility
- Understand the application of dry heat sterilization in an animal facility

#### Recipients:

Facility and unit managers and supervisors, veterinarians, quality assurance managers, senior technicians.

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