



FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE



credits: 11 points - Royal Society of Biology: 31 CPD credits

1.5 day continuing education for person carrying out procedures on animals and person designing procedures and projects by Swiss Veterinarian Associations

Microbiological Monitoring of Rodents: Traditional and Innovative Approaches

11th to 12th of October 2018

OBJECTIVES

During this two-day course the participants are guided by expert instructors through the traditional, as well more innovative procedures (e.g., sentinels-free approach) for health monitoring, the interpretation of results and action plans in case of confirmed infection.

The content of the course includes: traditional and emerging agents, relevant international guidelines, selection of laboratory techniques for health monitoring, including innovative techniques such as EAD-PCR, screening of incoming animals and biological samples, control of the macro and micro-environment, disaster plan in case of confirmed infection. The influence of microbiota on animal models and monitoring techniques will also be discussed.

Simulation of health monitoring schemes will be delivered through interactive theoretical sessions; a workshop will present a hypothetical scenario, with needs and limitations, providing the participants with the opportunity to develop their own programme with the support of the trainers.

TARGET AUDIENCE

Facility managers and supervisors, veterinarians, senior technologists, laboratory technicians, quality assurance managers, persons responsible for overseeing the welfare and care of animals.



Day 1	Why should be worried about health monitoring?	Traditional and emerging agents FELASA recommendations
	Screening of animal and biologicals: Pros and Cons of traditional and new approaches	Methods available Interpretation of results Experience from the field
	Impact of caging systems on prevalence of infection and on health monitoring scheme	Open cages Microisolators (static filter top cages) Isolators IVCs
	Innovative approaches for health monitoring	Environmental PCR EAD sampling
	Case study: the health monitoring program of a mouse facility	Challenges Possible approaches Costs
Day 2	Role of pathology in HM programs	Importance of pathology for detection of infectious diseases Different scenarios for the application of pathology in HM Sampling methods
	Infection detected and confirmed	Positive findings: what to do Disaster plans
	Incoming animals	Health certificate evaluation Quarantine procedures Alternative strategies <ul style="list-style-type: none"> • Importation of embryos • Rederivation by embryo-transfer Pros and cons of the different options
	Beyond pathogens: the monitoring of the microbiota	Influence of the microbiota on animal models Laboratory methods available
	Workshop: the definition of an health monitoring program step by step	An hypothetical scenario will be offered to the participants together with needs and limitations A program will be developed by the participants with the supports of the trainers

information and registration at: www.fondazioneguidobernardini.org

