FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE

iat cpd credits: **10** points - Royal Society of Biology: **28** credits

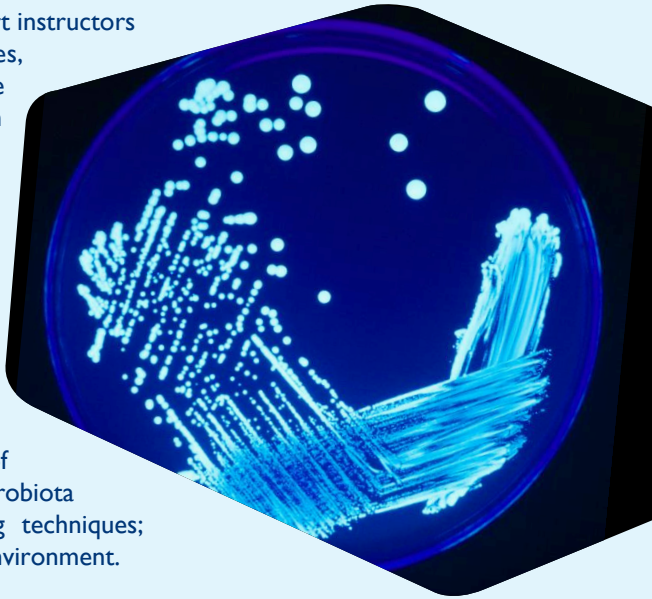
1.5 day continuing education for person carrying out procedures on animals and person designing procedures and projects by Swiss Veterinarian Associations

Health Monitoring of Rodents: Traditional and Innovative Approaches

28th to 29th of September 2017

OBJECTIVES

The course is designed to provide the participants with advanced concepts of animal health and environmental monitoring. Simulation of health monitoring laboratory schemes is provided through interactive theoretical sessions.
The participants are guided by expert instructors through the routine procedures, laboratory test programmes, the interpretation of results and action plans in case of confirmed infection.



CONTENTS

Traditional and emerging pathogenic agents; Relevant international guidelines; Selection of laboratory techniques for health monitoring of mice and rats; Practical applications in rodent units; Monitoring of incoming animals and biological samples; Disaster plan in case of confirmed infection; Influence of microbiota on animal models and monitoring techniques; Control of the macro- and micro-environment.

TARGET AUDIENCE

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

Day 1	**Why should be worried about health monitoring?**	Traditional and emerging agents FELASA recommendations
	Laboratory techniques for health monitoring investigation	Reliability Alternative methods New laboratory techniques Interpretation of results Monitoring of biological specimens
	Screening of biologicals	Material to be tested Methods available Experience from the field
	Individually ventilated cages (IVCs)	Impact of IVC system on prevalence of infections and on health monitoring scheme
	Health monitoring programmes in different caging systems	Proposed approaches to the health monitoring programmes with different caging systems • Open cages • Microisolators (static filter top cages) • Isolators • IVCs Costs of health monitoring programmes
	Innovative approaches for health monitoring	PCR for environmental monitoring
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 and introduction of biologicals	Health report evaluation Quarantine procedures Alternative strategies • 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
	Microbiological monitoring of the environment	Surface microbiological tests Air microbiological assessment Water microbiological assessment
	Monitoring of the physical parameters	Macroenvironment: meaning of temperature and RH monitoring Microenvironment: NH3, CO2, O2, temperature and RH

To register please visit: www.fondazioneguidobernardini.org

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