FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE

iat cpd credits: **10** points - Royal Society of Biology: **27** credits

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

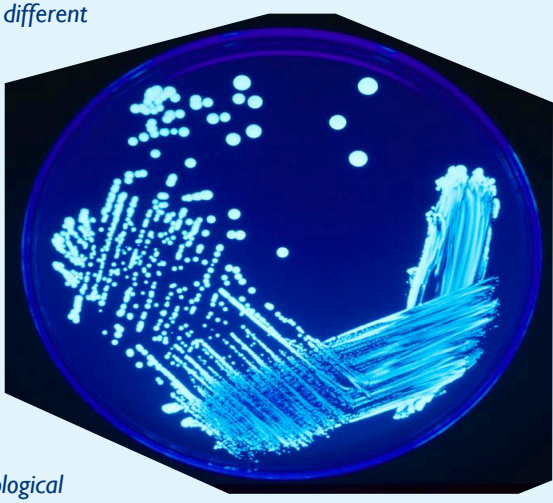
Health Monitoring of Rodents: Traditional and Innovative Approaches

12th to 13th of May 2016, Milan - Italy

OBJECTIVES

The most advanced concepts of animal health and environmental monitoring will be provided by the expert faculty of this course.

The programme includes the description of different laboratory techniques, the most common health monitoring schemes and several other important aspects in the microbiological definition of rodent colonies. The participants will be offered interactive theoretical sessions combined with technical-practical approaches. A session on Microbiota will explore host–microbiota interactions in animal models.



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.

RECIPIENTS

Facility managers and supervisors, veterinarians, senior technologists, animal care and welfare officers and 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
	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
	Infection detected and confirmed	Positive findings: what to do Disaster plans
Day 2	**Incoming animals**	Health certificate 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

DO NOT FORGET TO APPLY ALSO TO THE

UPCOMING FGB COURSES

NEVER STOP LEARNING.

ORGANIZING AND OPERATING ACTIVITIES IN A LABORATORY ANIMAL FACILITY	March 16-18, 2016
HEALTH MONITORING OF RODENTS: TRADITIONAL AND INNOVATIVE APPROACHES	May 12-13, 2016
MICROBIOTA AND GNOTOBIOTIC MANAGEMENT	September 22-23, 2016
THE MANAGEMENT OF GENETICALLY MODIFIED RODENT COLONIES	October 6-7, 2016
MANAGING RESOURCES IN THE MODERN ANIMAL FACILITY	November 16-18, 2016

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