FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE

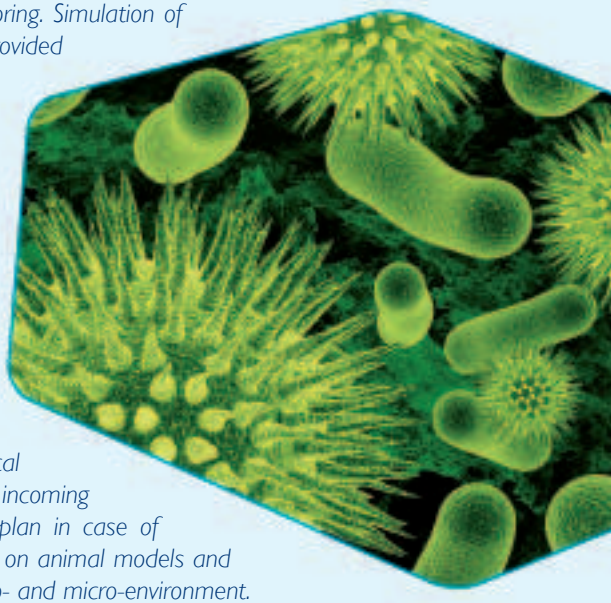
CPD credits: pending

Health Monitoring of Rodents: Traditional and Innovative Approaches

14th to 15th of May 2015

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.

RECIPIENTS

Facility managers and supervisors, veterinarians, senior technologists, animal care and welfare officers, 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 4-6, 2015
FACILITY PLANNING, LOGISTICS AND TECHNOLOGICAL SOLUTIONS..... September 17-18, 2015
THE MANAGEMENT OF GENETICALLY MODIFIED RODENT COLONIES..... October 22-23, 2015
MANAGING RESOURCES IN THE MODERN ANIMAL FACILITY..... November 16-18, 2015

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