



FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE

 credits: 10 points - 1.5 day by Swiss Veterinary Association - 30 CPD credits by Society of Biology

The Management of Genetically Modified Rodent Colonies

15th to 16th of October 2015

OBJECTIVES

The course covers the management of GM rodents from the breeding, husbandry and care and methods to securing genetic material according to the latest views.

The generation of transgenics is not a prime subject of this course.

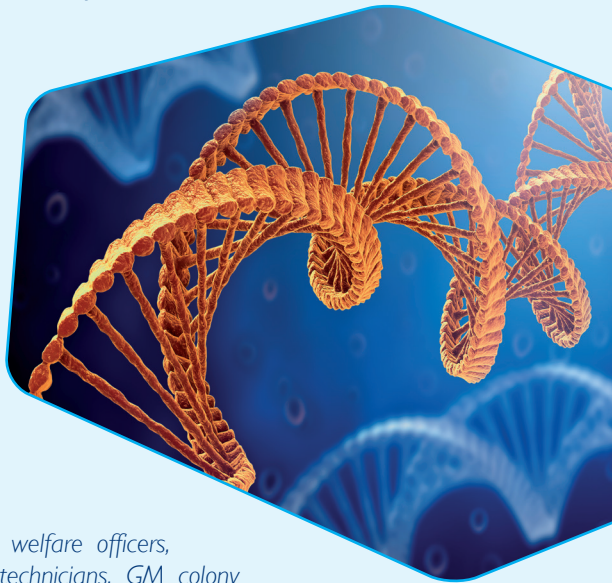
Theoretical and practical views are presented. The programme includes a session where participants are given the opportunity to present one or more cases from their daily practice for discussion with the faculty and the other participants.

CONTENTS

Colony organisation; Breeding; Animal characterisation and identification; Animal welfare; Ethical considerations; Cryo-banking; Databases and networks.

RECIPIENTS

Facility managers and supervisors, animal welfare officers, veterinarians, laboratory biologists, senior technicians, GM colony breeding coordinators and managers.



Day 1	Maintenance of GA strains and breeding strategies	Reproduction biology Breeding schemes (appropriate for nucleus, expansion and production colonies) Breeding performance Practical examples from speakers and audience
	Genetic quality of GA rodent colonies	Strains and substrains Genetic background Nomenclature Genetic monitoring Congenic strains
	Colony management, housing, husbandry and care	Housing and care of GA animals Microbiological quality Introduction on animal welfare and ethical considerations Impact of technological advances
	Cryopreservation and assisted breeding techniques	Embryo Sperm Ovary IVF and other assisted breeding techniques Internal Vs external services Repositories and consortia
Day 2	Husbandry solutions for genetically modified rodents	Different techniques: Pros and Cons available guidelines
	Animal identification and tissue sampling	Different techniques: Pros and Cons available guidelines
	Management of colonies of genetically modified mice: the experience of a research Institute	Characteristics of the facility Organization of husbandry The application of Lean management in the facility Health monitoring programme
	Problems to be discussed with the speakers/other participants	Participants willing to discuss specific problems should communicate the topics two weeks before the course

To register please visit: www.fondazioneguidobernardini.org

DO NOT FORGET TO APPLY ALSO TO THE UPCOMING FGB COURSES

ORGANIZING AND OPERATING ACTIVITIES IN A LABORATORY ANIMAL FACILITY	March 4-6, 2015
HEALTH MONITORING OF RODENTS: TRADITIONAL AND INNOVATIVE APPROACHES	May 14-15, 2015
ORGANIZING AND OPERATING ACTIVITIES IN A LABORATORY ANIMAL FACILITY	June 17-19, 2015
FACILITY PLANNING, LOGISTICS AND TECHNOLOGICAL SOLUTIONS.....	September 17-18, 2015
MANAGING RESOURCES IN THE MODERN ANIMAL FACILITY.....	November 16-18, 2015

NEVER STOP LEARNING.

