



# FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

## TWO DAY COURSE



credits: 11 points - Royal Society of Biology: 30 credits

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

# The Management of Genetically Modified Rodent Colonies

6th to 7th of October 2016, Milan - Italy

## OBJECTIVES

*The course is designed to provide the students with the most advanced notions on the breeding, husbandry and care of genetically modified rodent colonies.*

*Strategies and techniques for managing GM rodent colony and the methods available to securing genetic material will be described according to the latest views.*

*Participants will be invited to present one or more cases from their daily practice in an interactive learning environment that stimulates lively discussion and sharing of experiences.*

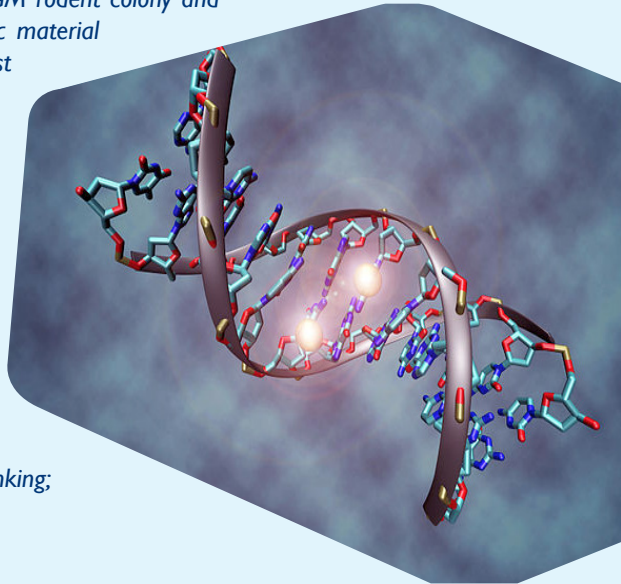
*The generation of transgenics is not a prime subject of this course.*

## 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 and GM colony managers.*



Day 1	<b>Maintenance of GA strains and breeding strategies</b>	Reproduction biology Breeding schemes (appropriate for nucleus, expansion and production colonies) Breeding performance
	<b>Genetic quality of GA rodent colonies</b>	Strains and Substrains Genetic Background Nomenclature Genetic Monitoring Congenic Strains
	<b>Colony management, housing, husbandry and care</b>	Housing and care of GA animals Microbiological quality Introduction on animal welfare and ethical considerations Impact of technological advances
	<b>Cryopreservation and assisted breeding techniques</b>	Embryo Sperm Ovary IVF and other assisted breeding techniques Internal Vs external services Repositories and consortia
Day 2	<b>Husbandry solutions for genetically modified rodents</b>	Housing systems Animal care
	<b>Animal identification and tissue sampling</b>	Different techniques: Pros and Cons Available guidelines
	<b>Management of colonies of genetically modified mice: the experience of a Research Institute</b>	Characteristics of the facility Organization of husbandry The application of Lean management in the facility Health monitoring program
	<b>Problems to be discussed with the speakers/other participants</b>	

To register please visit: [www.fondazioneguidobernardini.org](http://www.fondazioneguidobernardini.org)

## DO NOT FORGET TO APPLY ALSO TO THE UPCOMING FGB COURSES

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

NEVER STOP LEARNING.

