



FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE



credits: 9 points - Royal Society of Biology: 25.5 credits

1,5 day continuing education for person carrying out procedures on animals and person designing procedures and projects by Swiss Veterinarian Associations

Microbiota and Gnotobiotic Management

22nd to 23rd of September 2016, Milan - Italy

OBJECTIVES

This two day course focuses on the microbiota of laboratory rodents and on the management of facilities that breed and use gnotobiotic animals.

The influence of microbiota in numerous aspects of animal normal physiology and its involvement in the development of many diseases will be illustrated.

The renowned speakers will provide cutting-edge information on the breeding, maintenance, experimental use, and care of gnotobiotic rodent strains. Strategies to maintain and monitor the defined microbiota will be discussed together with the technological solutions available.

CONTENTS

- *Gnotobiology in research: History, state of the art and prospective*
- *Interactions of the microbiota with the host*
- *Gnotobiotic animals as experimental models*
- *Technologies and procedures*
- *Quality assurance*

RECIPIENTS

Heads of animal facilities, veterinarians, those responsible for health monitoring and testing of laboratory animals, senior technologists.



Gnotobiology in research: History, state of the art and prospective	<ul style="list-style-type: none"> • History • Classification (axenic and gnotobiotic) • Research applications
Interactions of the microbiota with the host	<ul style="list-style-type: none"> • Categorization of the microbiota • Impact on animal pathophysiology
Gnotobiotic animals as experimental models	<ul style="list-style-type: none"> • Inflammatory bowel diseases • Allergies • Autoimmunity • Cancer • Neuropsychiatric diseases
Technologies and procedures	<ul style="list-style-type: none"> • Housing technologies <ul style="list-style-type: none"> ◦ Isolators ◦ IVC • Breeding Vs experimental groups • Experimental procedures with gnotobiotics
Quality assurance	<ul style="list-style-type: none"> • Maintaining and monitoring the Defined Microbiota Status of Gnotobiotic Rodents • Traditional and innovative techniques (Culture Vs sequencing) • Welfare aspects

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

