



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE



AALAS affiliate



2012

Courses

have been awarded CPD (Continuing Professional Development) credits by the Institute of Animal Technology (IAT).

The Fondazione Guido Bernardini (FGB) is an independent international organization devoted to **continuing education and training** of professionals involved in the care, welfare and use of laboratory animals.

FGB aims to support the **humane and responsible use of animals** in science and to promote the **quality of biomedical research** by encouraging high standards of knowledge and competence.

NEVER STOP LEARNING.



February 22-24, 2012 - Milan

TC•1



IAT CPD credits: 15 points



CLEANSING AND DECONTAMINATION: BEST PRACTICES IN WASHING, DISINFECTION AND STERILIZATION IN THE LABORATORY ANIMAL FACILITY

The course provides cutting-edge knowledge on washing, decontamination and sterilization procedures as they are implemented in modern animal facilities. The in-depth discussion of all related aspects includes: cleansing methods, their frequency, the appropriate use of detergents and disinfectants, technologies for sterilization processes and methods to assess their effectiveness. Validation processes of all cycles, from soil removal to microbiological load reduction, are also covered.

Target: Facility managers, veterinarians, quality assurance staff and senior technicians.

Contents: Introduction to cleansing and washing methods and technologies. Detergents and disinfectants: selection criteria, applications and safety aspects. Washing equipment. Validation of cleansing and cage washing processes. Cage and bottle wash operations in practice. Throughput and work-load calculations for different equipment/scenarios. Varying logistic flows for different operations. Decontamination and sterilization: definitions and selection of the appropriate method. Sterilization procedures and validation of a steam sterilization process.

May 17-18, 2012 - Milan

TC•2



IAT CPD credits: 9 points



THE HEALTH MONITORING OF RODENTS AND THE CAGE LEVEL ENVIRONMENT IN IVC EQUIPPED FACILITIES

The course is designed to provide the participant with advanced concepts of animal health and environmental monitoring. Simulation of health monitoring laboratory schemes are provided through interactive theoretical sessions. A small group of participants will be guided by expert instructors through the routine procedures, laboratory test programmes and the interpretation of results.

Target: Facility managers, veterinarians, senior technicians, quality managers and laboratory biologists.

Contents: Laboratory techniques for health monitoring of mice and rats in IVC equipped facilities. Relevant international guidelines. Practical applications in rodent units. Monitoring of incoming animals. Traditional and emerging pathogenic agents. Disaster plan in case of confirmed infection. Environmental monitoring of IVC equipped rodent facilities. Microbiological monitoring. Monitoring of physical parameters.

June 12-15, 2012 - Milan

TC•3



IAT CPD credits: 23 points



ORGANIZATION AND PROCEDURES IN THE MODERN LABORATORY ANIMAL FACILITY

The course aims to instruct participants on the organization and management of a modern laboratory animal facility in all its aspects. The programme includes management concepts and technological advances applicable to the facility. The participants will improve their skills to face and solve everyday problems through theoretical and practical activities.

Target: Facility managers, veterinarians and senior technicians.

Contents: Organization of a modern laboratory animal facility. Layouts, equipments and main procedures. Bio-containment and bio-exclusion: definitions and technical solutions. Functional areas and workflows. Main procedures in "clean" and "dirty" areas: different approaches and solutions. Washing and decontamination procedures. Health monitoring programme. Non-animal care practices. Colony management. Workload and weekly schedule of technicians. Per diem calculation and attribution.

September 27-28, 2012 - Milan

TC•4



IAT CPD credits: 10 points



THE MANAGEMENT OF GENETICALLY MODIFIED RODENT COLONIES

The course covers the management of GM rodents from the making all the way to the husbandry and care and options to secure genetic material according to the latest views. 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.

Target: Facility managers, veterinarians, laboratory animal welfare officers, and senior technicians.

Contents: GM rodent evolution. Technical approaches and perspectives. Colony organization and management. Identification and tissue sampling techniques. Animal welfare and ethical considerations. Cryopreservation.

October 25-26, 2012 - Milan

TC•5



IAT CPD credits: 9 points



BIO-CONTAINMENT IN THE LABORATORY ANIMAL FACILITY

The course focuses on all aspects related to Bio-containment and Bio-exclusion issues in laboratory animal facilities. Risks related to the housing of animals of different microbiological categories, from germ-free to animals infected with class 4 pathogens, are discussed. Concepts of primary and secondary barriers as well as technological solutions are presented with a practical approach. A small group of participants will be involved in interactive and problem-solving discussions.

Target: Facility managers, Persons responsible for over-seeing health and safety programmes, veterinarians, senior technicians and laboratory biologists.

Contents: Microbiological animal categories. Different types of containment. Animal microbiological monitoring. Environmental control. Human and animal risk factors. Risk assessment and control. Preventive medicine.

November 29-30, 2012 - Milan

TC•6



IAT CPD credits: pending



FACILITY PLANNING, LOGISTICS AND TECHNOLOGICAL SOLUTIONS

The course covers the key aspects to be considered during the planning and designing of modern rodent facilities. Details related to different architectural solutions in relation to various needs for new constructions or renovations. Different approaches to workflow organization, logistics, and procedures are described. Work efficiency and personnel safety is presented in terms of state of the art technological solutions.

Target: Facility managers, architects, veterinarians, and facility supervisors.

Contents: Planning considerations and design drivers: research purposes, new construction or renovation, flexibility. Operational issues: logistic, workflows and effective work practices. New technological advances to safeguard the health and safety of personnel.

www.fondazioneguidobernardini.org

The Fondazione Guido Bernardini offers courses and scientific events such as symposia, seminars and workshops. The faculty includes international experts with extensive experience in LAS and covers a variety of topics and disciplines. The expert team imparts the latest innovations and most updated information through constant interaction with the participants to develop their



knowledge, skills and competence. The Fondazione also aims to promote and disseminate emerging technologies applicable in a modern laboratory animal facility for a more efficient organization and reduction of operating costs.

Visit the Fondazione website to obtain information on the upcoming courses and scientific events.

<http://www.fondazioneguidobernardini.org>



FONDAZIONE GUIDO BERNARDINI

BETTER EDUCATION FOR BETTER SCIENCE

Via Caldera, 21 - 20135 Milano

Tel. +390245076787 - Fax. +390245070212

secretary@fondazioneguidobernardini.org - www.fondazioneguidobernardini.org