



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

2010

Events & Course

The Guido Bernardini Foundation,
established in Milan in 2009 in memory of Guido Bernardini,
sets out to promote biomedical research by focusing, in particular,
on training programs and research projects relating to
safety and ergonomics in laboratory animal facilities

NEVER STOP LEARNING.





TC•1

January 18-22, 2010 - Milan • May 24-28, 2010 - Milan

ESSENTIAL ORGANIZATION & PROCEDURES IN THE MODERN LABORATORY ANIMAL FACILITY

The course aims to show and teach the participant how a modern laboratory animal facility is organized and managed in all its aspects. The program will focus also on the basic features and technological advances in the field of laboratory animal science in order to improve the knowledge of the participant on the animal facility world and the daily problems faced by staff at different levels, through a precise mix of theory and practical activities.

Target: Senior technicians, facility managers and veterinarians.

Contents: Organization of a modern laboratory animal facility. Layouts. Equipment. Biocontainment and bioexclusion. Workflow (Main procedures in "clean" and "dirty" areas. Washing and decontamination procedures. Health monitoring. Non-animal care procedures.). Colony management. Technicians' workload and weekly schedule. Per diem calculation and attribution.



TC•2

February 23-24, 2010 - Milan • July 27-28, 2010 - Milan

BEST PRACTICES IN WASHING AND CLEANSING IN THE LABORATORY ANIMAL FACILITY

The course provides cutting-edge knowledge on washing procedures as they are implemented today in modern animal facilities through in-depth discussion on all related aspects. This includes cleansing methods used in the animal area, their frequency, the appropriate use of detergents and disinfectants and the monitoring methods available to assess the efficacy of the procedure. Also covered are washing methods for equipment with the various options available and the validation of cycles in terms of soil removal and microbiological load reduction.

Target: Facility managers and veterinarians.

Contents: Introduction to cleansing and washing methods. Technologies available. Detergents: selection criteria and applications. Choice and use of detergents and disinfectants in animals' room and washing equipment. Validation of cleansing processes and cage washing process. Cage and bottle wash operations in practice. Throughput and work-load calculations for different equipment/scenarios. Different logistic flows for different operations.



TC•3

February 25-26, 2010 - Milan • July 29-30, 2010 - Milan

DECONTAMINATION: DISINFECTION AND STERILIZATION IN LABORATORY ANIMAL FACILITIES

The course provides cutting-edge knowledge on decontamination and sterilization procedures as they are today implemented in modern animal facilities through in-depth discussion on all aspects related to the efficiency of the methods available, different options and the way they are validated.

Target: Facility managers and veterinarians.

Contents: Introduction to decontamination and sterilization: definitions and meanings. Different decontamination procedures. Choice of the appropriate decontamination method. Validation of a decontamination process. Different sterilization procedures. Validation of a steam sterilization process.



TC•4

March 23-24, 2010 - Milan • October 26-27, 2010 - Milan

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

This course is designed to provide the participant with advanced concepts of animal health and environmental monitoring. Details through simulation of health monitoring schemes are provided through interactive theoretical sessions. A small group of participants will be guided by expert instructors through the routine procedures, laboratory test programs and the interpretation of results, in these challenging fields.

Target: Facility managers, Veterinarians, Quality Manager and lab. Biologist.

Contents: Health Monitoring of mice and rats in IVC equipped facilities. International guidelines. Practical applications in rodents animal units. Traditional and emerging agents. Disaster plan (Environmental monitoring of IVC equipped rodent facilities). Microbiological monitoring. Monitoring of the physical parameters.

April 15-16, 2010

W•1

OCCUPATIONAL HEALTH AND SAFETY IN THE ANIMAL FACILITY*Facilities planning/design and cost analysis - Risk Assessment - Hazard Analysis in the Animal Facility.*

Contents: The workshop will provide guidance on protecting the health and safety of personnel who work in laboratory animal facilities. The assessment of the risks related to the work and the environment in which it is conducted will address the hazardous materials, physical hazards and work process. Proper planning and design of the facility as a means to minimize occupational risks of injury and illness will be discussed together with the analysis of related costs.



November 11-12, 2010

W•2

STRATEGIES TO COPE WITH HEALTH AND SAFETY IN CORE FACILITIES FOR EXAMPLE BIO-IMAGING FACILITIES

Contents: Strategies will be presented and discussed to minimise the risk of cross contamination and spreading of pathogens through core facilities like bio-imaging units. Attention will be given to transportation of animals, instrumentation, decontamination in the context of different animal species (from mice to pigs) and different technologies (MRI, PET, CT, etc.).



November 9-10, 2010

S•1

CHALLENGES OF HEALTH CARE MANAGEMENT IN RODENT COLONIES: RECOMMENDATIONS FOR PRACTICE AND EMERGING DISEASES

Target: The seminar is designed for veterinarians, facility managers, QA/ QC officers.

Contents: The course is designed to advance the knowledge in the health care of laboratory rodents and to enhance the standards of those professionally involved in the disease control of animals in science. After completion of the course the participant will be able to design and maintain an appropriate programme of health care for a rodent colony.



September 6-7-8, 2010

S•2

2ND LEONARDO AUTOMATION CLUB SYMPOSIUM

Target: Leonardo Automation Club members.

Contents: We will embrace Ergonomics aspects of the automation (safety, awkward and repetitive operations, ease of use, productivity), Automated observation of laboratory animals and control of physical environment parameters, Data Management & Automation Technology, Automated warehouses in particular the latest technologies used in heavy as well as high-tech industries and possible applications in laboratory animal sites.



The Fondazione Guido Bernardini is an independent, non-profit, educational foundation devoted to assist in meeting the need for on-going, post qualification, professional training and development in laboratory animal science.

The training faculty is drawn from international experts in the field of laboratory animal science and associated

SUMMARY CALENDAR

COURSES

TC•1 January 18-22, 2010 - Milan • May 24-28, 2010 - Milan

TC•2 February 23-24, 2010 - Milan • July 27-28, 2010 - Milan

TC•3 February 25-26, 2010 - Milan • July 29-30, 2010 - Milan

TC•4 March 23-24, 2010 - Milan • October 26-27, 2010 - Milan

WORKSHOPS

W•1 April 15-16, 2010

W•2 November 11-12, 2010

SEMINARS

S•1 November 9-10, 2010

S•2 September 6-7-8, 2010



disciplines to offer a series of courses focused on current industry issues and providing hands-on experience to develop individual knowledge, skills and competencies

Watch our website to be informed on events calendar, news on LAS and new technologies related to Automation through the Leonardo Automation Club.



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