

Newsletter

NEVER STOP LEARNING.



FORTHCOMING

September 18-19

Seminar

"Cephalopod Molluscs in scientific research: relevance, challenges, and opportunities"

FGB Conference Centre, Italy

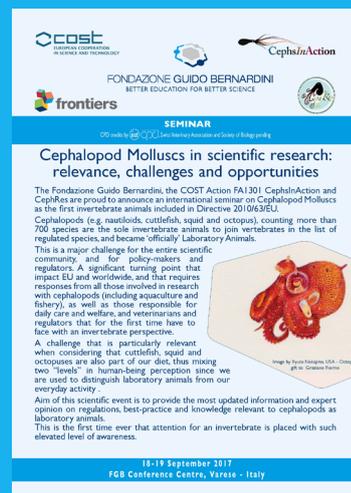
The Fondazione Guido Bernardini, the COST Action FA1301 CephInAction and CephRes are proud to announce an international seminar on Cephalopod Molluscs as the first invertebrate animals included in Directive 2010/63/EU.

Cephalopods (e.g. nautiloids, cuttlefish, squid and octopus), counting more than 700 species are the sole invertebrate animals to join vertebrates in the list of regulated species, and became 'officially'

Laboratory Animals.

Aim of this scientific event is to provide the most updated information and expert opinion on regulations, best-practice and knowledge relevant to cephalopods as laboratory animals.

This is the first time ever that attention for an invertebrate is placed with such elevated level of awareness.



September 28-29

Course

“Health monitoring of rodents: traditional and innovative approaches”

Milan, Italy

The course is designed to provide the participants with advanced concepts of animal health and environmental monitoring. Simulation of health monitoring laboratory schemes is provided through interactive theoretical sessions.

The participants are guided by expert instructors through the routine procedures, laboratory test programmes, the interpretation of results and action plans in case of confirmed infection.

FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE
© CEFIS Italia 19 years - Top Animal Welfare 2016
14 day continuing education for persons carrying out procedures on animals and persons studying procedures and projects in Small Mammals Association

Health Monitoring of Rodents: Traditional and Innovative Approaches

28th to 29th of September 2017

OBJECTIVES
The course is designed to provide the participants with advanced concepts of animal health and environmental monitoring. Simulation of health monitoring laboratory schemes is provided through interactive theoretical sessions. The participants are guided by expert instructors through the routine procedures, laboratory test programmes, the interpretation of results and action plans in case of confirmed infection.

CONTENTS
Traditional and emerging pathogenic agents; Relevant international guidelines; Selection of laboratory techniques for health monitoring of mice and rats; Practical applications in rodent units; Monitoring of incoming animals and biological samples; Disaster plan in case of confirmed infection; Influence of microbiota on animal models and monitoring techniques; Control of the macro- and micro-environment.

TARGET AUDIENCE
Facility managers and supervisors, veterinarians, senior technologists, persons responsible for overseeing the welfare and care of animals, quality assurance managers.

November 23-24

Course

“The implementation of the 3Rs in the experimental design”

Milan, Italy

To an increasing extent, the scientific literature is critical of the translatability of research results achieved with animal studies to humans, and of the reproducibility of research conducted with animals. More and more, that criticism now appears several times every quarter in the editorials, news and correspondence sections of leading scientific journals such as Nature and Science. Those contributions come up with multiple reasons and give extensive advice on what should be done to improve the translatability and reproducibility of animal experiments or how to replace them.

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The implementation of the 3Rs in the experimental design

23th to 24th of November 2017

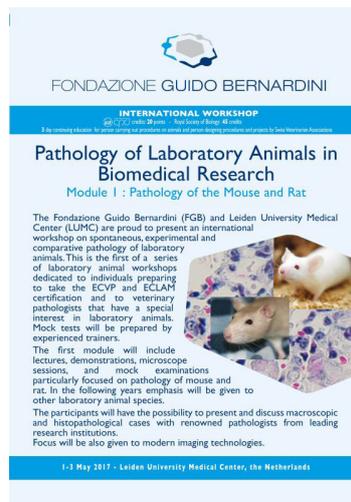
To an increasing extent, the scientific literature is critical of the translatability of research results achieved with animal studies to humans, and of the reproducibility of research conducted with animals. More and more, that criticism now appears several times every quarter in the editorials, news and correspondence sections of leading scientific journals such as Nature and Science. Those contributions come up with multiple reasons and give extensive advice on what should be done to improve the translatability and reproducibility of animal experiments or how to replace them. This course addresses different proposed solutions with regard to the potential of non-animal approaches. How to select the best animal model? How to design your experiment: does your specific research question? The importance of tailoring husbandry and care to the experimental need also taking into account the quality of the animals: How does refinement affect your animals, hence your experimental outcomes? And last but not least, the reporting of experimental results. This two-days course offers lectures and discussions on these topics. Your active participation is appreciated.

RECIPIENTS
PhD students, postdocs, researchers, lab animal scientists, members of Animal welfare bodies, facility managers, and laboratory animal scientists.

Don't wait till the last minute to register because seats are limited

FEEDBACK

HOW ARE WE DOING ?



Report on the Workshop

“Pathology of Laboratory Animals in Biomedical Research”

Leiden, May 1-3, 2017

by Stephanie Muller - IDEXX, Germany

The workshop “Pathology of Laboratory Animals in Biomedical Research” was the first of a series of laboratory animal workshops dedicated to residents in veterinary pathology and to veterinary pathologists and scientists with a special interest in laboratory animal pathology. The first module, focused on diseases of mice and rats, included not only lectures but also cases studies, microscope sessions, and mock examinations. The practical sessions covered key subjects useful for sitting the ECVP (European College of Veterinary Pathologist) and ECLAM (European College of Laboratory Animal Medicine) examinations. Topics covered genetics of mice and rats, welfare and validity of animal models,



health monitoring, non-neoplastic diseases and neoplastic diseases of mice and rats, pathology of the mouse embryo and placenta, broad-based mouse phenotypic screens, necropsy, immunohistochemistry and stem cells assays performed in animals. Days were intense but both contributions of teachers and students were great.

I had the chance to meet outstanding speakers: Jerrold M. Ward and Krista La Perle from the USA, Barbara Banco from Italy, Alain de Bruin and Sjef Verbeek from The Netherlands, Laurence Fiette from France, Massimo Foa from United Kingdom, Raoul Kuiper from Sweden; all lecturers were accessible and ready to discuss pathology cases brought by the participants.

The Leiden organizing Committee, Jan-Bas Prins and Daniela Salvatori took care of every single detail during the three days.

Finally, I can only make very positive comments about the venue and the food at the Leiden University Medical Centre. Indeed, located on one of the branches of the old Rhine, close to Den Haag, Leiden is a city full of charm and history (with mansions of the 17th century) crossed by numerous channels.

I do hope that the Fondazione Guido Bernardini will continue with this initiative during the following years: it is a unique chance for professionals engaged to update their knowledge in laboratory animals science and committed to become members of the European Boards, namely ECVF and ECLAM.

Report on the course

“Microbiota and Gnotobiotic Management”

by Kelly Alves Bichalo Carvalho - Instituto Carlo Chagas, Brazil



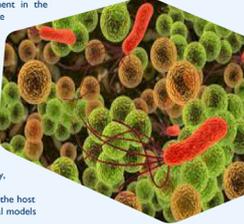
FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

TWO DAY COURSE
18 credits - 18 points - 180 hours of Biology - 360 credits
1.5 day continuing education for persons carrying out procedures on animals and person designing procedures and projects by Swiss Veterinary Association

**Microbiota
and Gnotobiotic Management**

4th to 5th of May 2017

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 perspective
- Interactions of the microbiota with the host
- Gnotobiotic animals as experimental models
- Technologies and procedures
- Quality assurance

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

I would like to record the importance of FGB as an opportunity for learning, interaction and support during the course on Microbiota and Gnotobiotic Rodents, held in Milan, early May. The content exceeded my expectations, as well as the reception by the organizers. In addition to promoting and disseminating emerging technologies applicable in modern laboratory facilities, the speakers presented lectures of the highest scientific level. The classroom was adequate, as well as the reception and assistance to the guests. My FGB experience was really successful and a

huge satisfaction. I will certainly do other courses to improve knowledge and establish networks. Besides that, it is possible to experience very pleasant moments in Milan. Congratulations to the organizers and speakers!

Report on the course

“Organizing and Operating Activities in a Rodent Animal Facilities”

by Ian Saldanha - Malaghan Institute, New Zealand

The course content was definitely relevant to my role and what I needed to learn. The course was mostly planned and structured well. However, some presentations went for longer than the time required and had to be rushed towards the end where important information may not have been passed on.

The presentations about health monitoring were really good. I understand that every facility is different and have a health monitoring routine that is specific to it. The process in the FGB facility was clearly described and explained why each process was relevant. It is definitely something I took back and will try to implement in my facility.



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE

THREE DAY COURSE

14 for continuing education, for person carrying out procedures on animals and person designing procedures and projects by Swiss Veterinarian Association.

**Organizing and Operating Activities
in a Rodent Animal Facility**

8th to 10th of March 2017

OBJECTIVES

The most relevant aspects of the general functioning of laboratory animal facilities are covered with particular attention to new technological developments, scientific needs of research and management concepts.

The course aims to enhance participants' knowledge and to improve their skills on everyday activities through theoretical and practical examples applicable to a modern laboratory animal facility in all its aspects.

The training environment fosters the interaction between speakers and attendees who are encouraged to share information and practical experiences.

CONTENTS

Layouts, functional areas, equipment and workflows; Bio-containment and bio-exclusion; definitions and technical solutions; Main procedures in "clean" and "dirty" areas; Washing and decontamination; Health monitoring programmes; Colony management; Staff management; duty assignment and work scheduling; Per diem calculation and attribution.

TARGET AUDIENCE

Facility and unit managers and supervisors, manager assistants, persons responsible for overseeing the welfare and care of animals, designated and assistant veterinarians, senior animal technologists, quality assurance managers.



The other presentation that was really good was the Overview of Research Centre mouse facilities. This is something I would like to see included more in the courses. It was good to hear about workflows and problems other facilities encounter and how they deal with it. Then it was even better when we got to go and visit the facility to see how it all worked.

The environment was good. Although there were open discussions between the participants I expected even more discussions. I appreciate all the talks and presentations are available online so we could refer to them when we need to.

Milan was a beautiful venue for the course. The dinner and company was very enjoyable and good way to encourage all the participants to get to know each other.



Report on the course

“The management of genetically altered rodent colonies”

by Leah Attwood - Harry Perkins Institute, Australia

I was pleasantly surprised with the speakers and the content of the course. It is the first workshop/seminar that I have been to that was very interactive and discussion based. I felt that it addressed real issues and relevant topics, it was very informative and gained a lot of insight to other methods and practices.



I would have liked more time at the end of each talk for more discussion or maybe during the talk. Also I was thinking that for someone like me coming from such a long way it would be a good opportunity to visit other facilities if possible and really utilise my time while there, even if it is just getting in contact

with facility managers to express my interest in a tour. I really loved the environment, it was intimate and welcoming and the speakers and the coordinators of the course were amazing. Laura was so accommodating and helpful and was great to have the opportunity to form new contacts and friendships. I really enjoyed Milan and the course and am hoping to attend again soon either this year or next year!

