

LAS Course
Monday 22 September – Friday 3 October, 2008
B.S.R.C Al. Fleming, Vari, Greece

A two-week intensive course on the basic facts and principles that are essential for the humane care and use of animals in the laboratory and research quality. Course contents are in line with recommendations of the Federation of European Laboratory Animal Science Associations (FELASA) regarding the training of young scientist whose research involves the use of vertebrate animals.

TOPICS ADDRESSED

Theoretical part

- Diseases of laboratory animals
- FELASA health screening-recommendations
- Autopsies, tissue sampling
- Clinical Examination, Clinical + Anatomic Pathology
- Common spontaneous and infectious phenotypes that can impact your research
- Breeding laboratory rodents
- Nutrition
- Microbiology-Gnotobiology
- Anaesthesia
- Analgesia
- Methods of humane euthanasia
- Genetic standardization
- Alternatives to animal procedures
- Demo experimental techniques
- International legislation
- Greek legislation- Ethics: cost/benefits analysis
- Welfare and experimental procedures
- From brainwave to publication
- Introduction Laboratory Animal Science
- Statistics
- Embryonic Stem Cells
- Virtual mouse resources
- Cryopreservation
- Basic principles of transgenesis in mouse
- Forward Genetics
- Expression profiling in animal model

Practicals

- Animal handling
- Oral administration of drugs
- Performance of various injection techniques
- Methods for the collection of body fluids
- Experimental Techniques (cannulation, insertion of catheters etc)

Visiting Lecturers:

- Vera Baumans (*DVM, PhD, DipECLAM, Laboratory Animal Science Specialist, University of Utrecht Carolinska Institute*)
- Kathleen Pritchett-Corning (*DVM, DACLAM, MRCVS, Director, European Scientific Services Charles River Laboratories*)
- Harry Blom (*PhD, Laboratory Animal Science Specialist, University of Utrecht, FELASA Vice President for International Liaisons*)
- Pim Rooymans (*Education Officer -Department Animals, Science & Society*)
- Joannes C. Meijer (*DVM, PhD*)
- Nikos Papaioannou (*Assoc. Prof., DVM, PhD, Department of Pathology School of Veterinary Medicine Aristotle University of Thessaloniki*)
- Spyros Kritas (*DVM, PhD, Diplomate ECPHM, Assistant Professor Aristotle University of Thessaloniki, School of Veterinary Medicine, Department of Microbiology and Infectious Diseases, University Campus*)

- Ioannis Sabbas (*Assoc. Prof. Department of Anaesthesia, School of Veterinary Medicine, Aristotle University of Thessaloniki*)
- Tilemahos Anagnostou (*Assoc. Prof. Department of Anaesthesia, School of Veterinary Medicine, Aristotle University of Thessaloniki*)
- Evanthia Petridou (*DVM, PhD, Lab. of Microbiology, Fac. of Veterinary Medicine, Aristotle University of Thessaloniki*)
- Marios Georgiadis (*Lecturer of Epidemiology, School of Veterinary Medicine, Aristotle University of Thessaloniki*)
- Ismini Dontas (*DVM, PhD, Associate Professor Laboratory of Experimental Surgery, School of Medicine, University of Athens*)
- Katerina Marinou (*BVMS, MVM, Greek Ministry of Rural Development and Food, Foot and Mouth Diseases Institute*)
- Cory Brayton (*D.V.M.Diplomate,A.C.L.A.M.,A.C.V.P.Director,Phenotyping Core Associate Professor, Molecular and Comparative Pathobiology Johns Hopkins University, School of Medicine, Baltimore, U.S.A*)

In-house lecturers:

- Maria Kamber (*DVM, Head of Animal Facilities, Course coordinator*)
- Eleni Makrinou (*PhD Geneticist, Institute of Immunology*)
- Eleni Douni (*PhD, Researcher of the Institute of Immunology, Scientific Supervisor of Animal Facilities*)
- Maria Alexiou (*PhD, Transgenics & Gene Targeting Facility Coordinator Institute of Immunology*)
- Eumorphia Remboutsika (*PhD, Researcher Stem Cell Biology Laboratory Institute of Molecular Biology and Genetics*)
- Dimitris L. Kontoyiannis (*PhD,Researcher of the Institute of Immunology, Scientific Supervisor of Transgenesis unit*)
- Vassilis Aidinis (*PhD, Researcher of the Institute of Immunology*)
- Michalis Zouberakis (*MSc, MMdb Development Team*)
- Christina Chandras (*PhD, MMdb Development Team*)

COURSE ATTENDANCE AND CERTIFICATE

Course Fee: € 600 + VAT (course material and lunches included)

The maximum number of participants is 30. Registration is based on a “first come, first serve” basis.

As part of the course all participants will be asked to prepare and present an experimental protocol, find the strong and weak points of a given scientific article and finally pass through a written examination in order to obtain the attendance certificate. According to Revised European Directive this certificate is obligatory for every scientist whose research involves laboratory animals (FELASA category C).

For information and application forms, please contact:

Marie Kamber, DVM
 Head of animal facility
 B.S.R.C Alexander Fleming
 34 Alexander Fleming
 PO 16672, Vari
 Greece
 Tel. +30 210 9656310
 Fax: +30 210 9656563
 E-mail: kamber@fleming.gr
 Web: <http://www.fleming.gr>