

LAS-RIIP course Program



Laboratory Animals *in* Biomedical Research: theory and practice

18-22 May 2015

**Auditorium of Hellenic Pasteur Institute (Building 8)
Athens, Greece**

1st Day, Monday 18 May

Animal Welfare Regulations- Legislation (*Modules 1 and 2*)

08:00-08:20 **Registration**

08:20-08:30 *Menelaos Manoussakis, Director of Hellenic Pasteur Institute*

Welcome

08:30-08:40 *Dimitrios Rapakoulias, Association of the “Friends of Hellenic Pasteur Institute”*

Welcome

08:40-08:50 *Sylva Haralambous, Hellenic Pasteur Institute*

Welcome

08:50-09:00 *Eirini Fragkiadaki, Hellenic Pasteur Institute*

Opening remarks

09:00-09:40 *Lluís Montoliu, CSIC Centro Nacional de Biotecnología, Spain*

Understanding the human genome with the help of mice

09:40-10:20 *Lida Anestidou, Institute for Laboratory Animal Research, USA*

International and EU legislation

10:20-10:40 *Coffee break*

10:40-11:20 *Stavroula Tsinorema, Philosophy and Social Studies, University of Crete, Greece*

Primate Ethics. Duties regarding non-human animals

11:20-12:00 *Francois Busquet, Center for Alternatives to Animal Testing, Belgium*

3Rs, animal research and paradigm shift in toxicology

12:00-12:40 *Ismene Dontas, School of Medicine, University of Athens, Greece*

Current educational and training requirements in LAS

12:40- 13:10 *Katerina Marinou, Greek Ministry of Rural Development and Food*

Applying for license

13:10-14:00 *Lunch break*

14:00-16:00 **Trainees self-presentation**

16:00-16:20 *Coffee break*

Practical Session (*Module 3.2*)

16:20-18:30 Part I: Introduction to Animal Facility, mouse handling

Instructors: *Eirini Fragkiadaki, Nadia Kavrochorianou, Ioannis Grivas, Hellenic Pasteur Institute and Francina Langa Vives, Institut Pasteur, France*

Support personnel: *Fotis Badounas, Ariadni Karles, Argyro Lappa, Eleni Malaktari, Melina Markogiannaki.*

2nd Day, Tuesday 19 May

Basics in everyday research practice I (Modules 3.1, 4, 5 and 10)

- 09:00-09:40 **Nikos Kostomitsopoulos**, *Biomedical Research Foundation of the Academy of Athens (BRFAA)*
Standardization of Laboratory animals: husbandry, transport, enrichment
- 09:40-10:20 **Argyro Zacharioudaki**, *ELPEN Pharmaceutical Co. Inc., Greece*
Welfare and experimental procedures (pain assessment, endpoints)
- 10:20-11:00 **Dimitris Vrettakos**, *Athens University of Economics and Business*
Design of experimental procedures (sample size, statistics)
- 11:00-11:30 **Eirini Fragkiadaki**, *Hellenic Pasteur Institute*
Breeding strategies
- 11:30-11:50 *Coffee break*
- 11:50-12:30 **Jean Jaubert**, *Institut Pasteur, France*
Cryopreservation strategies
- 12:30-13:30 *Lunch break*

Practical Session (Module 3.2, mice)

- 13:30-15:30 Practical part II - restraint techniques, animal and sex identification
- 15:30-15:50 Coffee break
- 15:50-18:30 Practical part III- Administration of substances

Instructors: *Eirini Fragkiadaki, Nadia Kavrochorianou, Ioannis Grivas, Hellenic Pasteur Institute and Francina Langa Vives, Institut Pasteur, France*

Support personnel: *Fotis Badounas, Ariadni Karles, Argyro Lappa, Eleni Malaktari, Melina Markogiannaki.*

3rd Day, Wednesday 20 May

Basics in everyday research practice II (<i>Modules 4, 5, 6.1 and 7</i>)
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- 09:00-09:40 **Massimo Foa**, *IDEXX Laboratories Limited, UK*
FELASA health screening and tissue sampling
- 09:40-10:20 **Marion Berard**, *Institut Pasteur, France*
Clinical Examination and Common Diseases of small rodents
- 10:20-11:00 **Marion Berard**, *Institut Pasteur, France*
The impact of microbiota in animal models
- 11:00-11:20 *Coffee break*
- 11:20-12:00 **Lucy Whitfield**, *Royal Veterinary College, UK*
Recognition of pain, distress, analgesia
- 12:00-12:40 **Lucy Whitfield**, *Royal Veterinary College, UK*
Principles of surgery in mice and rats, anaesthesia
- 12:40-13:00 **Eirini Fragkiadaki**, *Hellenic Pasteur Institute*
Humane euthanasia
- 13:00-14:00 *Lunch break*
- 14:00- 16:00 Self study after the completion of Core modules session
- 17:00-19:00 *Cultural event*
The Acropolis museum guided tour
(<http://www.theacropolismuseum.gr/en>)
- 20:00-23:00 *Social event*
Dinner

4th Day, Thursday 21 May

Animal Models for Human and Animal Diseases I (*Task specific*)

- 09:00-09:10 *Sylva Haralambous, Hellenic Pasteur Institute*
Modeling human diseases
- 09:10-09:50 *Franciscus van der Hoeven, Cancer Research Center, Germany*
Basic principles of transgenesis in mouse
- 09:50-10:30 *Eleni Douni, B.S.R.C. "Alexander Fleming", Agricultural University of Athens, Greece*
Identification of novel pathogenic targets in mice through Forward Genetics
- 10:30-11:10 *Dimitra Thomaidou, Hellenic Pasteur Institute*
In vivo imaging
- 11:10-11:30 *Coffee break*
- 11:30-12:05 *Florentia Papastefanaki, Hellenic Pasteur Institute*
Mouse models for neurological disorders: Behavioral assessment
- 12:05-12:40 *Ioannis Grivas, Hellenic Pasteur Institute*
Experimental models of arthritis
- 12:40-13:30 *Lunch break*

Practical Session (*Modules 3.2 and 8, mice*)

- 13:30-15:00 Practical part IV - Blood sampling
- 15:00-15:30 *Coffee break*
- 15:30-17:30 Practical part V - Necropsy, collection of tissues

Instructors: *Eirini Fragkiadaki, Nadia Kavrochorianou, Ioannis Grivas, Hellenic Pasteur Institute and Francina Langa Vives, Institut Pasteur, France*

Support personnel: *Fotis Badounas, Ariadni Karles, Argyro Lappa, Eleni Malaktari, Melina Markogiannaki.*

5th Day, Friday 22 May

Animal Models for Human and Animal Diseases II (*Task specific*)

- 09:30-10:10 **Vivi Miriagou**, *Hellenic Pasteur Institute*
Infectious models for the assessment of antimicrobial efficacy
- 10:10-10:50 **Hechmi Louzir**, *Institut Pasteur, Tunisia*
Limits of the experimental models of leishmaniosis for vaccine development
- 10:50-11:10 *Coffee break*
- 11:10-11:50 **Serban Morosan**, *University of Pierre and Marie Curie, France*
Animal models for human hepatitis viruses and malaria study

Practical Session (*Modules 3.2, rabbits*)

- 11:50-13:00 Practical Part VI – Rabbits

Instructors: *Eirini Fragkiadaki, Ariadni Karles, Argyro Lappa.*

- 13:00-13:30 *Course questionnaire, post-course evaluation sheet- End of the course*

- 13:30-14:30 *Lunch*