

3rd International Course

Care and Use of Laboratory Animals: mice, rats and zebrafish

May 30, 2016 — June 10, 2016

Heraklion, Crete, Greece



Coordinated by the
University of Crete - Department of Biology
in collaboration with the
Institute of Molecular Biology & Biotechnology- FORTH

Organizing Committee

- Assoc. Prof. M. Pavlidis, University of Crete, Dept. of Biology
- Dr. N. Kostomitsopoulos, Senior Research Scientist, BRFAA
- Prof. G. Garinis, University of Crete, Dept. of Biology and IMBB FORTH

Course Secretariat

- Mrs. Sofia Kyriakidi, University of Crete





Monday, 30 May 2016
09:30 am – 19:00 pm

09:30 am – 10:00 am **Registration (O)** Rotonda 3rd Floor
Department of Biology

10:00 am – 11:00 am **Introduction (L)**
Assoc. Prof. Michail Pavlidis
UoC Rotonda 3rd Floor
Department of Biology

11:00 am – 11:15 am **Coffee break**

11:15 am – 13:00 pm **Introduction to animal ethics (L)**
Prof. Stavroula Tsinorema
UoC Rotonda 3rd Floor
Department of Biology

13:00 pm – 14:00 pm **Lunch**

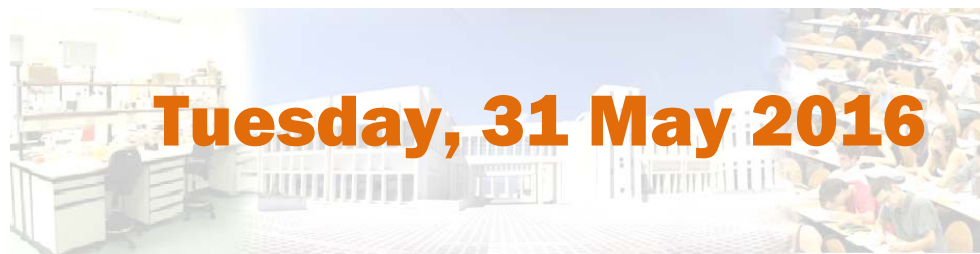
14:00 pm – 16:00 pm **Defining alternatives; the 3R principle of animal use (L)**
Assis. Prof. Charalambos Spilianakis
UoC & IMBB Rotonda 3rd Floor
Department of Biology

16:15 pm – 19:00 pm **Subject Selection for PP presentation (O)**
Assoc. Prof. Michail Pavlidis
UoC Rotonda 3rd Floor
Department of Biology

Info:

L: Lecture
P: Practicals
O: Other





Tuesday, 31 May 2016
09:15 am – 19:00 pm

09:15 am – 11:00 am	Survey of European legislation (L) Dr. iur. Jorgos Sbokos UoC external collaborator	Rotonda 3rd Floor Department of Biology
11:00 am – 11:15 am	Coffee break	
11:15 am – 12:00 pm	Lab animal database (L) Brian Mphande, DVM UEF	Rotonda 3rd Floor Department of Biology
12:15 pm – 13:00 pm	Model organisms. Definition, legal and ethical aspects (L) Assoc. Prof. Michail Pavlidis UoC	Rotonda 3rd Floor Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 16:00 pm	Preoperative surgery (L) Brian Mphande, DVM UEF	Rotonda 3rd Floor Department of Biology
16:00 pm – 17:00 pm	Nutrition and feeding of rats and mice (L) Brian Mphande, DVM UEF	Rotonda 3rd Floor Department of Biology
17:00 pm – 19:00 pm	Preparation of PP presentation (O) Parallel activity (2 h)	Rotonda 3rd Floor Department of Biology

Info:

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O: Other

UoC: University of Crete
UEF: University of Eastern Finland





Wednesday, 1 June 2016
09:15 am – 19:00 pm

09:15 pm – 11:00 pm	Mouse and rat: biology & use (L) Prof. Eirini Athanasaklis UoC	Rotonda 3rd Floor Department of Biology
11:00 am – 11:15 am	Coffee break	
11:15 am – 13:00 pm	Stress biology & welfare (L) Prof. Gert Flik UN	Rotonda 3rd Floor Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 am – 16:00 pm	Methods and tests to assess anxiety-related behaviour (L) Assis. Prof. Kyriaki Sidiropoulou UoC	Rotonda 3rd Floor Department of Biology
16:15 pm – 17:00 pm	Group work: License and application procedure (O) Assoc. Prof. Michail Pavlidis UoC	Rotonda 3rd Floor Department of Biology
17:00 pm – 19:00 pm	Preparation of PP presentation (O) Parallel activity (2 h)	Rotonda 3rd Floor Department of Biology

Info:

L: Lecture
P: Practicals
O: Other

UoC: University of Crete
UN: Radboud University Nijmegen, The Netherlands





Thursday, 2 June 2016
09:15 am – 19:00 pm

09:15 am – 10:00 am	Anesthesia and euthanasia of laboratory animals (L) Brian Mphande, DVM UEF	Rotonda 3rd Floor Department of Biology
10:15 am – 11:15 am	Pain and analgesia (L) Brian Mphande, DVM UEF	Rotonda 3rd Floor Department of Biology
11:15 am – 11:45 am	Coffee break	
11:45 am – 13:00 pm	Diseases of laboratory animals, Health monitoring and prevention of disease (L) Dr. Nikolaos Kostomitsopoulos, DVM BRFAA	Rotonda 3rd Floor Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 18:00 pm	Rats hands-on exercise I: handling & stitching (P) Evangelos Balafas, Ioannis – Zacharias Kakazanis, Dr. Nikolaos Kostomitsopoulos BRFAA	Laboratory Γ Department of Biology
15:00 pm – 19:00 pm	Preparation of PP presentation (O) Parallel activity (2 h)	Rotonda 3rd Floor Department of Biology

Info:

L: Lecture
P: Practicals
O: Other



BRFAA: Biomedical Research Foundation of the Academy of Athens
UEF: University of Eastern Finland



Friday, 3 June 2016
09:15 am – 19:00 pm

09:15 am – 13:00 pm	Rats hands-on exercise II: Drug administration; Anaesthesia & analgesia (P) Evangelos Balafas, Ioannis – Zacharias Kakazanis & Dr. Nikolaos Kostomitsopoulos BRFAA	Laboratory Γ Department of Biology
10:00 pm – 13:00 pm	Preparation of PP presentation (O) Parallel activity (2 h)	Rotonda 3rd Floor Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 14:45 pm	Transportation and procedures (L) Dr. Nikolaos Kostomitsopoulos, DVM BRFAA	Rotonda 3rd Floor Department of Biology
15:00 pm – 15:45 pm	Transgenic animals; recombinant inbred strains (L) Theodoros Kosteas IMBB	Rotonda 3rd Floor Department of Biology
16:00 pm – 16:45 pm	Genetic standardization, Inbred strains; co-isogenic, congenic lines (L) Assis. Prof. Charalambos Spilianakis UoC & I.M.B.B.	Rotonda 3rd Floor Department of Biology
17:00 pm – 19:00 pm	Reading course & preparation for the exams (O)	Rotonda 3rd Floor Department of Biology

Info:

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UoC: University of Crete
IMBB: Institute of Molecular Biology & Biotechnology
BRFAA: Biomedical Research Foundation of the Academy of Athens



Monday, 6 June 2016
09:15 am – 19:00 pm

09:15 pm – 11:00 pm	Zebrafish as laboratory animal (L) Assoc. Prof. Michail Pavlidis UoC	Rotonda 3rd Floor Department of Biology
11:00 am – 11:15 am	Coffee break	
11:15 am – 13:00 am	Zebrafish diseases, prophylaxis and treatment (L) Dr. Pantelis Katharios HCMR	Rotonda 3rd Floor Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 am – 15:00 am	Experimental design (L) Assoc. Prof. Konstantia Lika UoC	Rotonda 3rd Floor Department of Biology
15:00 am – 16:00 am	Statistical analysis and interpretation of results (L) Assoc. Prof. Konstantia Lika UoC	Rotonda 3rd Floor Department of Biology
16:15 pm – 17:00 pm	Health hazards and safe practices in the animal house (L) Constantinos Kourouniotis, DVM IMBB	Rotonda 3rd Floor Department of Biology
17:00 pm – 19:00 pm	Preparation of PP presentation (O)	Rotonda 3rd Floor Department of Biology

Info:

L: Lecture
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HCMR: Hellenic Centre Marine Research
UoC: University of Crete
IMBB: Institute of Molecular Biology & Biotechnology





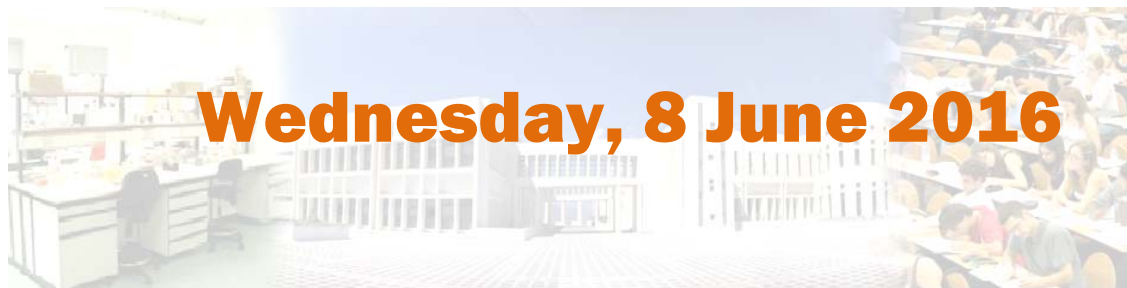
Tuesday, 7 June 2016
09:15 am – 18:00 pm

09:15 am – 13:00 pm	Mice hands-on exercise I: stitching and handling (P) Theodoros Kosteas, Constantinos Kourouniotis & Hara Roumpaki IMBB	Laboratory A Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 16:00 pm	Stress and coping: the transational theory (L) Assoc. Prof. Evangelos Karadimas UoC	Rotonda 3rd Floor Department of Biology
16:15 pm – 18:00 pm	Sperm and oocyte isolation (mouse) (P) Prof. Eirini Athanasakis & Christiana Kyvelidou UoC	Laboratory A Department of Biology

Info:

L: Lecture
P: Practicals
O: Other





Wednesday, 8 June 2016

Wednesday, 8 June 2016
09:15 am – 19:00 pm

09:15 am – 13:00 pm	Mice hands-on exercise II: Drug administration; Anaesthesia & analgesia (P) Theodoros Kosteas & Constantinos Kourouniotis IMBB	Laboratory A Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 15:00 pm	Current education and training requirements with laboratory animals (L) Prof. Ismene Dontas UoA	Rotonda 3rd Floor Department of Biology
15:15 pm – 16:00 pm	Harm/benefit analysis: cases of research studies using laboratory animals in practice (O) Prof. Ismene Dontas UoA	Rotonda 3rd Floor Department of Biology
16:15 pm – 17:00 pm	Quality and GLP in Lab Animal Facility (L) Theodoros Kosteas IMBB	Rotonda 3rd Floor Department of Biology
17:00 pm – 19:00 pm	Reading course & preparation for the exams (O)	Rotonda 3rd Floor Department of Biology

Info:

L: Lecture
P: Practicals
O: Other





Thursday, 9 June 2016

Thursday, 9 June 2016
09:15 am – 19:00 pm

09:15 am – 13:00 pm	Zebrafish hands-on exercise: handling, anaesthesia, behavioural monitoring (P) Assoc. Prof. Michail Pavlidis, Athanasios Samaras & Dr. Aleka Tsalafouta UoC	Laboratory B Department of Biology
13:00 pm – 14:00 pm	Lunch	
14:00 pm – 19:00 pm	Presentations of group works (O) Open session	Rotonda 3rd Floor Department of Biology

Info:
L: Lecture
P: Practicals
O: Other





Friday, 10 June 2016
09:15 am – 16:00 pm

09:15 am – 11:00 am	Exams (O) Assoc. Prof. Michail Pavlidis UoC	Laboratory B Department of Biology
11:15 am – 13:00 pm	Free discussions; Evaluation assessment (O)	Laboratory B Department of Biology
13:00 pm – 14:00 pm	Lunch	

Fairwell party

Info:

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We would like to thank our sponsors

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