



"ALEXANDER FLEMING"  
Biomedical Sciences Research Center

# 2<sup>nd</sup> LAS BASIC SKILLS COURSE

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April 06-07, 2023

*BSRC "Alexander Fleming"*  
*Vari, Greece*

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In line with the "Common Education and Training Framework of EU, fulfilling the requirements under the Directive 2010/63/EU".

**FOR MORE  
INFORMATION:**

BSRC Animal House  
[www.animalfacility.eu](http://www.animalfacility.eu)





# COURSE INFORMATION

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## Course objectives

- A two-day intensive Course on laboratory animal science is organized at the BSRC "Alexander Fleming", in October 2023. The Course content includes **Modules 3.2, 6.1-2, 7, 8, and 20 (Basic Skills)** as described in the Commission "Working Document on the development of a common education and training framework to fulfil the requirements under the Directive 2010/63/EU". The Course covers skills-specific Modules for Functions A-D of Article 23 (Directive 2010/63/EU) and Article 22 (P.D. 56/2013, national legislation). Completion of skills-specific Modules is compulsory for staff performing procedures on animals (function A), designing procedures and projects (function B), taking care of animals (function C) or killing animals (function D).

## Applications

- Applications are accepted by submitting the expression of interest via email ([lascourses@fleming.gr](mailto:lascourses@fleming.gr)), but may close earlier if maximum capacity is reached.
- Registration deadline:
  - 15/03/2023 for BSRC "Alexander Fleming" internal users
  - 20/03/2023 for external users

## Assessment

- Students will be assessed through a multiple-choice and hands-on exam upon Course completion. A pass-mark of 60% is required as an acceptable standard.

## Certification

- Course certificates are issued after full attendance and a pass-mark of 60% minimum.



## MODULES

*according to the Commission Working Document for a "Common Education and Training Framework of EU, fulfilling the requirements under the Directive 2010/63/EU"*

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### **Module 3.2: Basic and appropriate biology – species specific (practical)**

- This module practical training, under supervision, provides each individual with the expertise and skills needed for them to carry out their particular function. The trainees should be able to approach, handle/pick up and restrain an animal and return it to its cage in a calm, confident and empathetic manner such that the animal is not distressed or caused harm.

### **Module 6.1: Humane methods of killing (theory)**

- This module provides information on the principles of humane killing and the need to have someone available, at all times, who is able to kill an animal quickly and humanely if required. The module will include information and descriptions of the different methods available, details of the species for which these methods are suitable and information to help trainees compare the methods permitted and determine how to select the most appropriate method.

### **Module 6.2: Humane methods of killing (skills)**

- This module provides practical training to reflect the information and principles delivered in module 6.1 and will involve practical training in the appropriate methods for the species and suitable methods of confirming death.





## MODULES

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### **Module 7: Minimally invasive procedures without anaesthesia (theory)**

- This module provides an introduction to the theory relating to minor procedures. It provides information about appropriate methods of handling and restraint and describes appropriate techniques for injection, dosing and sampling relevant to the species. It provides information sufficient for individuals to understand what will be required of them before training in the practical aspects of these skills whilst under supervision.

### **Module 8: Minimally invasive procedures without anaesthesia (skills)**

- This module delivers practical elements of training relevant to Module 7. Practical training for minor procedures is taught through a number of methods using different tools which are available and designed for the purpose. The module is designed in such a way that it will enable the trainee to attain a level of proficiency such that, when commencing work under supervision, s/he should cause no pain, suffering, distress or lasting harm to the animal.

### **Module 20: Anaesthesia for minor procedures**

- This module provides guidance and information to individuals who, during their work with animals, will need to apply sedation or short-term anaesthesia for a brief period and mild pain level procedure.



# COURSE PROGRAMME

DAY 1

Thursday 06.04.2023

Title	Speaker	Module	Time
Welcome, Introduction	V. Ntafis		09:00-09:10
Mouse handling and restraint techniques (T)	G. Notaras	7	09:10-09:30
Routes of administration - techniques (T)	G. Notaras	7	09:30-10:00
Collection of blood, body fluids and excreta (T)	A. Klavdianos	7	10:00-10:30
Coffee break			
Mouse anaesthesia (T)	V. Ntafis	20	10:45-11:15
Humane methods of killing (T)	M. Dragolia	6,1	11:15-11:45
Mouse handling and restraint techniques (S)	Animal House*	3.2, 8	12:00-13:00
Lunch break			
Subcutaneous- Intraperitoneal injections (S)	Animal House*	8	14:30-15:15
Intravenous injections – Oral gavage (S)	Animal House*	8	15:15-16:00
Collection of body fluids and excreta (S)	Animal House*	8	16:00-17:00

(T): Theory

(S): Skills - practical

Animal House\*: Trainees are assigned to groups (up to 4 trainees per group). A member of the Animal House (M.Dragolia, V.Ntafis) will be in charge of the practical training of each group.



# COURSE PROGRAMME

DAY 2

Friday 07.04.2023

Title	Speaker	Module	Time
Mouse anaesthesia (S)	Animal House*	8, 20	09:30-10:15
Blood collection (S)	Animal House*	8	10:15-11:00
Humane methods of killing (S)	Animal House*	6.2	11:00-11:30
Coffee break			
Exams - Skills	Animal House*		12:00-14:30
Lunch break			
Exams - Theory	Animal House*		16:00-16:45
Closing remarks	V. Ntafis		16:45-17:00

(T): Theory

(S): Skills - practical

Animal House\*: Trainees are assigned to groups (up to 4 trainees per group). A member of the Animal House (M. Dragolia, A. Klavdianos, G. Notaras, V. Ntafis) will be in charge of the practical training of each group.



# SPEAKERS

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## MEMBERS OF THE INFRAFRONTIER.GR/PHENOTYPOS INFRASTRUCTURE

- **Melina Dragolia**, MSc, Research Assistant, Functions A/B/C/D FELASA accredited, Animal Facilities, BSRC "Alexander Fleming".
- **Anastatios Klavdianos**, Animal Scientist, Technician, Functions A/B/C/D FELASA accredited, Animal Facilities, BSRC "Alexander Fleming".
- **Giorgos Notaras**, Medical Laboratory Technician, Lab Animal Technician, Functions A/B/C/D FELASA accredited, Animal Facilities, BSRC "Alexander Fleming".
- **Vasileios Ntafis**, DVM, MSc, PhD, Staff Scientist B', Head-Designated Veterinarian, Animal Facilities, BSRC "Alexander Fleming".

**Course Organizer**

**Vasileios Ntafis**

DVM, MSc, PhD

Head-Animal Facilities

BSRC “Alexander Fleming”

