



CENTRO ACADÉMICO DE MEDICINA DE LISBOA

Programa Doutoral do Centro Académico de Medicina de Lisboa

Faculdade de Medicina da Universidade de Lisboa
Instituto de Medicina Molecular
Hospital Santa Maria – Centro Hospitalar Lisboa Norte

Course in |

Laboratory Animal Science Course for Function A (former FELASA Category B) CONGENTO-harmonized program

Date: Oct 8th to Nov 24th, 2018

Organizers: Iolanda Moreira e Lara Carvalho (iMM)

Teaching Staff: Iolanda Moreira (iMM), Lara Carvalho (iMM), Nuno Marques Pereira (Oceanário de Lisboa), Filipe Delgado (iMM), Aida Barros (iMM), Márcia Silva (iMM), Pedro Santos (iMM), Daniel Costa (iMM), Filipa Dias (iMM).

Objectives: Theoretical and practical training for the use of animal models (rodents and fish) in scientific research. Obtaining accreditation as competent person for the practice of animal experimentation.

Place: Egas Moniz building, FMUL/iMM JLA

ECTS: 6

Vacancies: 30

APPLICATION DEADLINE: Oct 6th, 2018

Fees:	FMUL/CAML PhD Students	Free
	CAML Applicants (iMM/FMUL/CHLN)	260€
	Other Applicants	260€

To apply please visit: <https://fenix.medicina.ulisboa.pt>

Candidates who already have a CAMPUS account (who are attending or have attended a course at the Faculdade de Medicina), must start the application at <https://fenix.medicina.ulisboa.pt/application>.

To access must log in with the Campus account and then access the Candidate menu (at the top of the page) to start the application.

If you don't remember the username or password of the account click [HERE](#) and follow the instructions for the recovery of the username or password. If you cannot retrieve your username or password through the recovery mechanism, you should send an email to the address suporte@medicina.ulisboa.pt with the following data: full name; student number; course number identification; ID number (BI/CC); External email.

Applicants who do not have access to the Campus account (Fenix) should register [HERE](#).

After creating your account you will receive in your email the username after which can start the formalization of the application in <https://fenix.medicina.ulisboa.pt>.

Detailed Program

Theoretical component (e-learning with teacher assistance):

- Anatomy and physiology of fish and rodents.
- Behavior and Environment.
- Animal Welfare and Signs of Disturbance.
- Accommodation - macro and microenvironment.
- Food and Nutrition.
- Health status and microbiological control.
- Transport.
- Handling, Restraint and Methods of identification.
- Standardization and Genetic Manipulation.
- Administration of Substances and Sample Collection.
- Anesthesia and Analgesia.
- Pre and post-surgical care.
- Euthanasia.
- Ethics and the 3 Rs.
- Scientific Integrity and Experimental Design.
- Health and safety.
- European and National Legislation and Recommendations.

Practical component

- Handling and identification Techniques of rodents and fish.
- Administration of substances in rodents and fish.
- Sampling techniques in rodents and fish.
- Euthanasia techniques of rodents and fish.
- Evaluation of the general state of rodents and fish.