



"ALEXANDER FLEMING"  
Biomedical Sciences Research Center

# COURSE ON LABORATORY ANIMAL SCIENCE

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WEEK 1	Time	Lectures /practical / demonstrations	Groups	Lecturers	Room
Monday 21-9	09.00-10.30	Introduction Lab. Animal Science		V. Baumans	
	10.45-12.15	Video & ethical discussion		V. Baumans, H. Blom	
	12.15-13.15	Lunch break			
	13.15-14.45	International legislation		H. Blom	
	14.45-16.15	From brainwave to publication: adm. constraints or quality assurance		H. Blom	
	16.30-17.30	Preparation protocol, analysis scientific paper (introduction)		V. Baumans, H. Blom	
Tuesday 22-9	09.00-10.30	Welfare and experimental procedures		V. Baumans	
	10.45-12.15	Welfare and experimental procedures (continued)		V. Baumans	
	12.15-13.15	Lunch break			
	13.15-14.30	Practical training (handling) intro	A+B	P. Rooymans	
	14.30-16.30	Practical training (handling)	A B	P. Rooymans, V. Baumans, H. Blom	
	16.45-	Preparation protocol / selfstudy	A+B		
Wednesday 23-9	09.00-10.30	Statistics + methodology I		A. Kastania	
	10.45-12.15	Statistics + methodology II		A.Kastania	
	12.15-13.15	Lunch break			
	13.30-14.30	Breeding laboratory rodents		A. Giannakopoulou	
	14.30-16.45	Practical training (handling)	B A	P. Rooymans, V. Baumans, H. Blom	
	16.45.....	Preparation protocol / selfstudy	A+B		
Thursday 24-9	09.00-10.15	Nutrition		J.Meijer	
	10.30-11.30	FELASA mission		N. Kostomitsopoulos	
	11.30-12.00	Embryonic Stem Cells		E.Rempoutsika	
	12.00-13.00	Lunch break			
	13.00-15.00	Demo experimental techniques		P. Rooymans	
	15.00-15.45	Preparation protocol / selfstudy	A	P. Rooymans, V. Baumans, H. Blom	
		Practical handling	B		
	15.45-16.30	Preparation protocol/selfstudy	A	P. Rooymans, V. Baumans, H. Blom	
		Practical handling	B		
16.45.....	Preparation protocol/selfstudy	A+B			
Friday 25-9	09.00-10.00	Practical training(techniques)intro	A+B	P. Rooymans	
	10.15-13.00	Practical training(techniques)	A	P. Rooymans, V. Baumans, H. Blom	
		Preparation protocol / selfstudy	B		
	13.00-14.00	Lunch break			
	14.00-16.30	Practical training(techniques)	B	P. Rooymans, V. Baumans, H. Blom	
			A		
16.45.....	Preparation protocol / selfstudy	A+B			



WEEK 2	Time	Lectures / practical / demonstrations	Groups	Lecturers	Room
Monday 28-09	09.00-10.30	Greek legislation/ Ethics in animal - based research		K. Marinou	
	10.30-12.00	Alternatives to animal procedures		I. Dontas	
	12.00-13.00	Lunch break			
	13.00-14.30	Cost-Benefit analysis		K. Marinou, I. Dontas	
	14.30-15.30	FELASA health screening-recommendations		E. Petridou	
	15.30-16.30	Microbiology - Gnotobiology		S.Kritas	
	16.30.....	Preparation protocol / selfstudy	A+B		
Tuesday 29/09	09.30-10.00	Basic principles of transgenesis in mouse		D. Kontoyiannis	
	10.15-11.00	Anaesthesia		P. Flecknell	
	11.15-12.30	Analgesia, and peri-operative care		P. Flecknell	
	12.30-13.30	Lunch break			
	13.30-14.00	The art and science of housing laboratory mice		M. Kamber	
	14.00-14.30	Morphological aspects of intracrinology		A.Sourla	
	14.30-15.30	Methods of humane euthanasia		P. Flecknell	
	15.30-16.00	From the idea to the experiment : organizing and planning a new protocol		A. Papalois	
	16.00-16.30	Common parasitic problems in lab animals: diagnose & control		S.Sotiraki	
	16.30-17.30	Preparation of protocol / selfstudy	A+B		
Wednesday 30-09	09.30-10.30	Genetic standardization		E. Douni	
	10.30-11.00	Forward genetics		E. Douni	
	11.00-11.30	Cryopreservation		K.Bozonelos	
	11.30-12.00	Zoonoses related to lab animals		G. Saroglou	
	12.00-13.00	Lunch break			
	13.00-15.00	Mouse pathology I: Non infectious diseases of mice and rats		C. Brayton	
	15.00-17.00	Mouse pathology II: Infectious diseases of mice and rats		C. Brayton	
Thursday 1-10	9.00-10.15	Mouse and rat autopsy / protocol	A	C. Brayton	
		Preparation of protocol / selfstudy	B		
	10.15-12.30	Mouse and rat autopsy / protocol	B	C. Brayton	
		Preparation of protocol / selfstudy	A		
	12.30-13.30	Lunch break			
	13.30-15.00	Preparation examination	A+B		
15.00-17.00	Examination	A+B			
Friday 2/10	9.00-10.00	Excursion Central Animal Facility/Alexander Fleming museum	A+B	M.Kamber	
	10.00-12.00	Preparation protocol / selfstudy	A+B		
	12.00-13.00	Lunch break			
	13.00-16.30	Presentation protocol	A+B	E. Douni, M.	

Kamber, K. Marinou,



			C. Brayton	
	16.30-17.00	Refreshments and Farewell	All	