



"ALEXANDER FLEMING"
Biomedical Sciences Research Center

COURSE ON LABORATORY ANIMAL SCIENCE IV

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4 -15 October 2010

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**Practicals in cooperation with
Experimental – Research Center ELPEN Pharma**

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WEEK 1	Time	Lectures /practical / demonstrations	Groups	Lecturers	Location
Monday 4-10	09.15-09.30	Opening Session		M. Kamber	B.S.R.C.
	09.30-10.30	Introduction Lab. Animal Science		V. Baumans	B.S.R.C.
	10.30-10.45	Coffee break			
	10.45-12.15	Ethics of animal experimentation: video and discussion		V. Baumans, H. Blom	B.S.R.C.
	12.15-13.00	Lunch break			
	13.00-15.45	Welfare and experimental procedures		V. Baumans	B.S.R.C.
	15.45-16.00	Coffee break			
	16.00-18.00	Preparation protocol (introduction)		Ba / Bl	B.S.R.C.
Tuesday 5-10	09.30-11.00	Nutrition		J. Meijer	B.S.R.C.
	11.00-11.15	Coffee break			
	11.15-12.15	From brainwave to publication; administrative constraints or quality assurance		H. Blom	B.S.R.C.
	12.15-13.00	Lunch break			
	13.00-14.00	Practical training (handling) intro		Ro / Ba / Bl	B.S.R.C.
	14.00-16.30	Practical handling & restraining tech.	A	Ro / Ba / Bl	B.S.R.C.
	14.00-16.30	Preparation protocol - selfstudy	B		B.S.R.C.
	16.30-16.45	Coffee break			
	16.45-18.00	Preparation protocol - selfstudy	A+B		B.S.R.C.
Wednesday 6-10	09.00-11.30	Practical handling & restraining tech.	B	Ro / Ba / Bl	B.S.R.C.
	09.00-11.30	Preparation protocol - selfstudy	A		B.S.R.C.
	11.30-11.45	Coffee break			
	11.45-12.45	International Legislation		H. Blom	B.S.R.C.
	12.45-13.30	Lunch break			
	13.30-15.30	Demonstration experimental techniques: Collection of body fluids		Ro / Ba / Bl	B.S.R.C.
	15.30-16.00	Stem cells		Remboutsika	B.S.R.C.
	16.00-16.45	Coffee break			
	16.45-18.00	Preparation protocol - selfstudy	A+B	Ro / Ba / Bl	B.S.R.C.
Thursday 7-10	09.00-10.00	Pre lecture & demonstration of experimental techniques: adm. of substances; suturing		Ro / Ba / Bl	B.S.R.C.
	10.00-10.15	Coffee break			
	10.00-12.45	Practical experimental techniques: adm. of substances; suturing	A	Ro / Ba / Bl	B.S.R.C.
	10.00-12.45	Preparation protocol - selfstudy	B		
	12.45-14.00	Lunch break			
	14.00-16.30	Practical experimental techniques: adm. of substances; suturing	B	Ro / Ba / Bl	B.S.R.C.
	14.00-16.30	Preparation protocol / selfstudy	A		
	16.00-16.45	Coffee break			
	16.45-18.00	Necropsy & trimming: theoretical part		C. Brayton	
Friday 8-10	09.00-10.30	Mouse pathology I: Infectious diseases of mice and rats		C. Brayton	B.S.R.C.
	10.30-10.45	Coffee break			
	10.45-12.15	Mouse pathology II: Non infectious diseases of mice and rats		C. Brayton	B.S.R.C.
	12.15-13.00	Lunch break			
	13.00-14.30	Necropsy & trimming of rodents - practical	A	C. Brayton	B.S.R.C.
	13.00-14.30	Preparation protocol / selfstudy	B		
	14.30-14.45	Coffee break			
	14.30-16.00	Necropsy & trimming of rodents - practical	B	C. Brayton	B.S.R.C.
	14.30-16.00	Preparation protocol / selfstudy	A		



WEEK 2	Time	Lectures / practical / demonstrations	Groups	Lecturers	Room
Monday 11-10	09.00-10.30	Greek legislation/ Ethics in animal - based research		K. Marinou	B.S.R.C
	10.30-10.45	Coffee break			
	10.45-12.15	Alternatives to animal procedures		I. Dontas	B.S.R.C
	12.15-13.00	Lunch break			
	13.00-15.00	Cost-Benefit analysis		K. Marinou, I. Dontas	B.S.R.C
	15.00-15.15	Coffee break			
	15.15-16.15	FELASA health screening-recommendations		E. Petridou	B.S.R.C
	16.15-17.15	Microbiology - Gnotobiology		S. Kritas	B.S.R.C
	17.15-17.45	The art and science of housing laboratory mice		M. Kamber	B.S.R.C
Tuesday 12/10	09.00-11.00	Statistics + methodology I		A. Antaraki	B.S.R.C
	11.00-11.15	Coffee break			
	11.15-12.15	Statistics + methodology II		A. Antaraki	B.S.R.C
	12.15-13.00	Lunch break			
	13.00-14.00	Statistics+methodology III		A. Antaraki	B.S.R.C
	14.00-14.15	Coffee break			
	14.15-14.45	Cryopreservation		K. Bozonelos	B.S.R.C
	14.45-15.45	Guidelines for a safe transportation of laboratory animals around the world		N. Kostomitsopoulos	B.S.R.C
	15.45-16.15	Breeding laboratory rodents		V. Rinotas	B.S.R.C
	16.15-16.45	From the idea to the experiment : organizing and planning a new protocol		A. Papalois	B.S.R.C
	16.45-17.30	Zoonoses of laboratory animals		G.Saroglou	B.S.R.C
Wednesday 13-10	09.30-10.30	Genetic standardization		E. Douni	B.S.R.C
	10.30-11.00	Forward genetics		E. Douni	
	11.00-12.00	Basic principles of transgenesis in mouse		F.Leptourgidou	B.S.R.C
	12.00-13.00	Lunch break			B.S.R.C
	13.00-14.30	Anaesthesia		P. Flecknell	B.S.R.C
	14.30-15.30	Analgesia, and peri-operative care		P. Flecknell	B.S.R.C
	15.30-16.30	Methods of humane euthanasia		P. Flecknell	B.S.R.C
	16.30-18.00	Preparation of protocol / selfstudy			B.S.R.C
Thursday 14-10	9.00-12.00	Anaesthesia- in practise Analgesia in practise		P. Flecknell	ERC-ELPEN
	12.00-13.00	Lunch break			ELPEN
	14.00-15.30	Preparation examination	A+B	M. Kamber	B.S.R.C
	15.30-17.30	Examination	A+B	M. Kamber	B.S.R.C
Friday 15/10	9.00-10.00	Excursion Central Animal Facility/Alexander Fleming museum	A+B	M. Kamber	B.S.R.C
	10.00-12.00	Preparation protocol / selfstudy	A+B		B.S.R.C
	12.00-13.00	Lunch break			B.S.R.C
	13.00-16.30	Presentation protocol	A+B	Douni, Kamber, Marinou	B.S.R.C
	16.30-17.00	Refreshments and Farewell		All	B.S.R.C