



"ALEXANDER FLEMING"
Biomedical Sciences Research Center

COURSE ON LABORATORY ANIMAL SCIENCE V

B.S.R.C. "Alexander Fleming"

19-30 September 2011

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Practicals in cooperation with ELPEN and BRFAA





WEEK 1	Time	Lectures / practical / demonstrations	Groups	Lecturers	Location
Monday 19-9	09.00-09.15	Opening Session		M. Kamber	B.S.R.C.
	09.15-10.15	Introduction Lab. Animal Science		V. Baumans	B.S.R.C.
	10.15-10.30	Coffee break			
	10.30-12.15	Ethics of animal experimentation: video and discussion		V. Baumans	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			
	16.00-17.00	Greek legislation / Ethics in animal - based research		K. Marinou	
	17.00-18.00	Preparation protocol (introduction)		V. Baumans, M. Castelhana-Carlos	B.S.R.C.
Tuesday 20-9	09.00-10.30	Nutrition		J. Meijer	B.S.R.C.
	10.30-10.45	Coffee break			
	10.45-11.45	Practical training (handling) intro		M. Castelhana-Carlos A. Giannakopoulou V. Balafas	B.S.R.C.
	12.00-13.00	Lunch break			
	13.00-15.15	Practical handling & restraining tech.	A	M. Castelhana-Carlos, V. Baumans A. Giannakopoulou V. Balafas	B.S.R.C.
	15.15-15.30	Coffee break			B.S.R.C.
	15.30-18.00	Practical handling & restraining tech.	B	M. Castelhana-Carlos, V. Baumans A. Giannakopoulou V. Balafas	B.S.R.C.
Wednesday 21-9	09.00-10.00	Pre lecture & demonstration of experimental techniques: adm. of substances, suturing		M. Castelhana-Carlos	B.S.R.C.
	10.00-10.15	Coffee break			
	10.15-12.45	Practical experimental techniques: adm. of substances; suturing	A	V. Baumans, M. Castelhana-Carlos A. Giannakopoulou V. Balafas	B.S.R.C.
	12.45-14.00	Lunch break			
	14.00-16.30	Practical experimental techniques: adm. of substances; suturing	B	V. Baumans, M. Castelhana-Carlos A. Giannakopoulou V. Balafas	B.S.R.C.
	16.30-16.45	Coffee break			
	16.45-18.45	Statistics + methodology I		M. Festing	B.S.R.C.



Thursday 22-9	09.00-11.00	Demonstration experimental techniques, collection of body fluids		M. Castelhana-Carlos	B.S.R.C.
	11.00-11.15	Coffee break			
	11.15-12.45	Anaesthesia		P. Flecknell	B.S.R.C.
	12.45-13.30	Methods of humane euthanasia		P. Flecknell	B.S.R.C.
	13.30-14.00	Lunch break			
	14.00-15.00	Analgesia and peri-operative care		P. Flecknell	B.S.R.C.
	15.00-16.00	Statistics + methodology I		M. Festing	B.S.R.C.
	16.00-16.15	Coffee break			
	16.15-18.15	Statistics + methodology II		M. Festing	B.S.R.C.
Friday 23-9	09.00-10.30	Anaesthesia in practice part A		P. Flecknell	ELPEN
	10.30-10.45	Coffee break			
	10.45-12.15	Anaesthesia in practice part A		P. Flecknell	ELPEN
	12.15-13.00	Lunch break			ELPEN
	14.00-15.30	Anaesthesia in practice part B		P. Flecknell	BRFAA
	15.30-15.45	Coffee break			
	15.45-17.15	Anaesthesia in practice part B		P. Flecknell	BRFAA



WEEK 2	Time	Lectures / practical / demonstrations	Groups	Lecturers	Location
Monday 26-9	09.20-09.45	Occupational health & safety program		M. Kamber	B.S.R.C.
	09.45-10.15	Cryopreservation		K. Bozonelos	B.S.R.C.
	10.15-10.30	Coffee break			
	10.30 - 12.00	Alternatives to animal procedures		I. Dontas	B.S.R.C.
	12.00-13.00	Lunch break			
	13.00-14.30	Cost-Benefit analysis		I. Dontas	B.S.R.C.
	14.30-15.30	Breeding laboratory mice		A. Giannakopoulou	
	15.30-15.45	Coffee break			
	15.45-16.15	FELASA health screening-recommendations		E. Petridou	B.S.R.C.
	16.15-16.45	The art and science of housing laboratory mice		M. Kamber	B.S.R.C.
Tuesday 27-9	9.00-10.30	Rodent pathology I: Infectious diseases of mice and rats		C. Brayton	B.S.R.C.
	10.30-10.45	Coffee break			
	10.45-12.15	Rodent pathology II: Non infectious diseases of mice and rats		C. Brayton	B.S.R.C.
	12.15-13.00	Lunch break			
	13.00-13.45	Sepsis animal models: the "Attikon" assignment		L. Sabrakos	B.S.R.C.
	13.00-13.45	The multirole of Veterinarian in Biomedical research		M. Linou	B.S.R.C.
	13.45-14.15	From the idea to the experiment: organizing and planning a new protocol		A. Papalois	B.S.R.C.
	14.15 - 14.30	Coffee break			
	14.30-15.30	Zoonoses of laboratory animals		G. Saroglou	B.S.R.C.
	15.30 – 17.30	Environmental influences on phenotypes		J. Watson	B.S.R.C.



Wednesday 28-9	09.00-10.00	Necropsy & trimming: theoretical part		C. Brayton	ELPEN
	10.00-11.00	Necropsy , perfusion, trimming: practicals I		C. Brayton	ELPEN
	11.00-12.00	Necropsy, perfusion, trimming: practicals II		C. Brayton	ELPEN
	12.00-13.00	Lunch break			B.S.R.C.
	14.00-15.00	Genetic standardization		E. Douni	B.S.R.C.
	15.00-15.15	Coffee break			
	15.15-15.45	Forward genetics		E. Douni	B.S.R.C.
	15.45-16.15	Basic principles of transgenesis in mouse		F. Leptourgidou	B.S.R.C.
	16.15-17.15	Clinical / Physical Exam - Modified SHIRPA		J. Watson	B.S.R.C.
Thursday 29-9	09.10-09.30	Animal models of diabetes I, II		E. Voukali	B.S.R.C.
	9.30-10.00	The experimental models of murine inflammatory polyarthritis as a tool to comprehend the rheumatoid arthritis		M. Armaka	B.S.R.C.
	10.00-10.15	Coffee break			
	10.15-11.45	Guidelines for a safe transportation of laboratory animals around the world		N. Kostomitsopoulos	B.S.R.C.
	10.45-11.15	Different caging systems for small laboratory rodents		N. Kostomitsopoulos	B.S.R.C.
	11.15-12.15	Preparation examination	A+B		B.S.R.C.
	12.15-13.00	Lunch break			B.S.R.C.
	13.00-17.30	Examination	A+B	M. Kamber	B.S.R.C.
Friday 30-9	09.00-09.30	Presentation of B.S.R.C. Facilities		J. Strouboulis	B.S.R.C.
	09.30-10.00	Presentation of Transgenic Unit		F. Leptourgidou	B.S.R.C.
	10.00-12.00	Preparation protocol / self-study	A+B		B.S.R.C.
	12.00-13.00	Lunch break			B.S.R.C.
	13.00-16.30	Presentation protocol	A+B	Brayton, Zahariadis, Kamber	B.S.R.C.
	16.30-17.00	Refreshments and Farewell		All	B.S.R.C.