

WEEK 1														
Monday 25th November 2019			Tuesday 26th November 2019			Wednesday 27 th November 2019			Thursday 28th November 2019			Friday 29 th November 2019		
Title	Speaker		Title	Speaker		Title	Speaker		Title	Speaker		Title	Speaker	
Jules Bordet Room			Jules Bordet Room			Jules Bordet Room			Jules Bordet Room			Jean-Paul Aubert (9h/12h) / Jacques Monod amphitheatre (12h30/18h)		
9h-10h	Introduction / regulatory context of the training, good practice & use of your licence	Training Department & Course directors	9h-13h	Health management of the animal facilities.	Berard 4h	9h-12h	Reproductive Physiology in rodents and lagomorphs: essential data to manage experiments on animals	Tiret 3h	9h-11h	Day-to-day implementation of the 3 Rs: what are the responsibilities of each actor at the different stages of the life of laboratory animals.	Mattei 2h	9h-11h00	Behaviors of laboratory animals - implications for the well-being and the experiments.	Gheusi 2h
10h-12h	The french regulatory framework protecting the animals used for science.	Berard 2h							11h-13h	Basics of laboratory animals anatomy.	Hardy (D) 2h	11h15-13h15	Minimally invasive experimental procedures: practical elements - GROUP 3	Mattei/ SBEA-IP
12h-13h	Déjeuner		13h-14h	Déjeuner		13h-14h	Déjeuner		13h-14h	Déjeuner		13h15-14h15	Déjeuner	
13h-16h	Evaluation of projects, ethical review.	Joubert 3h	14-15h30	Basics of nutrition and nutritional pathology in laboratory animals	Lefevre 1h30	14h-15h	Mechanisms of homeostatic regulation.	Hadchouel 1h	14h-16h	Minimally invasive experimental procedures: practical elements - GROUP2	Mattei/ SBEA-IP	14h15-16h15	Minimally invasive experimental procedures: practical elements - GROUP 4	Mattei/ SBEA-IP
			15h30-17h30	Basics rodents and lagomorphs husbandry	Jaubert 2h	15h-17h	Minimally invasive experimental procedures: practical elements - GROUP 1	Mattei/ SBEA-IP						
16h-17h	The authorization of projects using animals for scientific purposes: how does it work?	Robert 1h												

WEEK 2														
Monday 2th December 2019			Tuesday 3th December2019			Wednesday 4th December 2019			Thursday 5th December 2019			Friday 6th December 2019		
Title	Speaker		Title	Speaker		Title	Speaker		Title	Speaker		Title	Speaker	
Jacques Monod amphitheatre			Jacques Monod amphitheatre			Jacques Monod amphitheatre			Jacques Monod amphitheatre			Jean-Paul Aubert room		
9-11h	The interest of the different species used in research. Strategy and rationale behind the choice of species, benefits versus drawbacks or limitations.	Hardy (P) 2h	9h-12h	Genetics and laboratory mice	Jaubert 3h	9h-10h30	Methods of euthanasia. General principles. Euthanasia methods specific to rodents, lagomorphs.	Mattei 1h30	9h-11h	Introduction to statistical processing of data. PART I	Michael Parkinson 2h	9h-11h	Microbiota of rodent models	Berard 2h
11h-13h	Anesthesia and analgesia of laboratory animals.	Murphy 2h				10h30-12h30	Genetic modifications in mice: classic and targeted transgenesis	Langa-Vives 2h	11h-11h15	PAUSE		11h-13h30	Basics of pathology of laboratory animals	Bourgès-Abella 2h30
13h-14h	Déjeuner		12h-13h	Déjeuner		12h30-13h30	Déjeuner		11h15-12h45	Human endpoints: definition and implementation.	Damian Odonohue 1h30	13h30-14h30	Déjeuner	
14-16h	Anesthesia and analgesia of laboratory animals.	Murphy 2h	13h-14h30	Chronobiology and chronotherapy of cancers	Dulong 1h30	13h30-16h	Alternative methods to animal testing: in silico, in vitro and ex vivo models	Dangles-Marie 2h30	12h45-13h45	Déjeuner		14h30-14h45	Group photo (in front of the museum building)	
			14h30-16h30	In vivo imaging as a tool to study disease processes: principles, advantages and examples.	Tournebize 2h	13h45-15h45	Introduction to statistical processing of data. PART II	Michael Parkinson 2h	14h45-16h45	Evaluation and Validation of the training.	Berard/ Mattei 2h			
									15h45-16h	PAUSE		16h15-17h15	MUSEUM VISIT FOR THE REGISTERED STUDENTS	
									16h-17h30	Human endpoints: selection, criteria, examples.	Peter Nowlan 1h30			