



INSTITUT PASTEUR COURSE - EDUCATION CENTER

Programme 2026-2027
Regulatory course for
project designers
(RODENTS & LAGOMORPHS)

Autumn session: Institut Pasteur, Paris, October 5-16, 2026
Marion Bérard & Myriam Mattei

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**REGULATORY COURSE FOR
PROJECT DESIGNERS
(MICE & LAGOMORPHS) – Session 1
2026-2027**

October 5 to 16, 2026

Directors

**Dr Marion BERARD
Dr Myriam MATTEI**

Animalerie Centrale
Institut Pasteur, Paris

PRESENTATION OF THE COURSE

The 2-week course program is structured based on the “Arrêté du 1er février 2013 relatif à l’acquisition et à la validation des compétences des personnels des établissements utilisateurs, éleveurs et fournisseurs d’animaux utilisés à des fins scientifiques”.

It covers especially the following topics: legislative, ethical and welfare aspects of using animals for scientific purposes; biology, husbandry, genetics, breeding, transgenesis, anaesthesia and analgesia of laboratory animals, experimental procedures, alternatives to animal use, handling techniques, substance administration etc. The course includes lectures from experts in the field, and practice of basic techniques on Laboratory Animal Science. The course has been approved by the Ministry of agriculture (Approval reference: R-75Institut Pasteur-F1-14).

Thursday 1 October 2026

11:00 – 11:45 **PRE-START OF COURSE**

Administrative department

FIRST WEEK

Monday 5 October 2026

09:00 – 10:00 Introduction / Regulatory context of the training, good practice and use of your licence

Training department & course directors

10:00 – 12:00 The French regulatory framework protecting the animals used for science

Marion BERARD
(Institut Pasteur, Paris)

12:10 **GROUP PHOTO**

12:15 – 13:00 **LUNCH BREAK**

13:00 – 15:00 Basics rodents and lagomorphs husbandry

Jean JAUBERT
(Institut Pasteur, Paris)

15:00 – 16:30 Basics of laboratory animals anatomy

David HARDY
(Institut Pasteur, Paris)

Tuesday 6 October 2026

09:00 – 12:00 Genetics and laboratory mice

Jean JAUBERT
(Institut Pasteur, Paris)

12:00 – 13:00 **LUNCH BREAK**

13:00 – 16:00 Evaluation of projects, ethical review

Christophe JOUBERT
(Institut Pasteur, Paris)

Wednesday 7 October 2026

09:00 – 10:30 Methods of euthanasia. General principles. Euthanasia methods specific to rodents, lagomorphs

Myriam MATTEI
(Institut Pasteur, Paris)

10:30 – 12:30 The interest of the different species used in research. Strategy and rationale behind the choice of species, benefits versus drawbacks or limitations

Samuel VIDAL
(Campus vétérinaire de Lyon)

12:30 – 13:30 **LUNCH BREAK**

13:30 – 14:30 The authorization of projects using animals for scientific purposes: how does it work?

Marion BERARD
(Institut Pasteur, Paris)

Thursday 8 October 2026

09:00 – 10:30	Genetic modifications in mice: classic and targeted transgenesis	Francina LANGA VIVES (Institut Pasteur, Paris)
10:30 – 11:00	BREAK	
11:00 – 12:30	Genetic modifications in mice: classic and targeted transgenesis	Francina LANGA VIVES (Institut Pasteur, Paris)
12:30 – 13:30	LUNCH BREAK	
13:30 – 16:00	Minimally invasive experimental procedures and dissection: practical elements – GROUP 1	Myriam MATTEI David HARDY SBEA IP

Friday 9 October 2026

09:00 – 12:00	Breeding management, reproductive physiology and ovarian stimulation in rodents & rabbits.	Laurent TIRET (Ecole nat. vétérinaire d'Alfort Maisons-Alfort, France)
12:00 – 13:00	LUNCH BREAK	
13:00 – 14:30	Basics of nutrition and nutritional pathology in laboratory animals	Antoine RACHED (Campus vétérinaire de Lyon)
14:30 – 16:30	Behaviors of laboratory animals-implications for the well-being and the experiments	Gilles GHEUSI (Institut Pasteur, Paris)

*Videos to be watched before the 12th October:

- 2 hours of "Introduction to statistical processing of data. PART I" by Michael Parkinson
- 1,5 hours of "Humane endpoints: definition and implementation" by Damian Odonohue

SECOND WEEK

Monday 12 October 2026

09:00 – 13:00	Anesthesia and analgesia of laboratory animals	Kathy MURPHY (Newcastle University, UK)
13:00 – 14:00	LUNCH BREAK	
14:00 – 16:00	Introduction to statistical processing of data. PART I	Michael PARKINSON (LAST Ireland, Ireland)
16:00 – 16:15	BREAK	
16:15 – 17:45	Human endpoints: selection, criteria, examples	Peter NOWLAN Damian O'DONOHUE (LAST Ireland, Ireland)

Tuesday 13 October 2026

09:00 – 11:00	Alternative methods to animal testing : in silico, in vitro and ex vivo models	Doris-Lou DEMY (FC3R, Maisons-Alfort, France)
11:00 – 12:30	Chronobiology and chronotherapy of cancers	Sandrine DULONG (Hôpital Paul Brousse, France)
12:30 – 13:30	LUNCH BREAK	
13:30 – 16:00	Minimally invasive experimental procedures and dissection: practical elements – GROUP 2	Myriam MATTEI David HARDY SBEA IP

Wednesday 14 October 2026

09:00 – 11:00	Microbiota of rodent models	Nicolas BOULADOUX (Institut Pasteur, Paris)
11:00 – 13:00	In vivo imaging as a tool to study disease processes: principles, advantages and examples	Régis TOURNEBIZE (Institut Pasteur, Paris)
13:00 – 14:00	LUNCH BREAK	
14:00 – 16:30	Minimally invasive experimental procedures and dissection: practical elements – GROUP 3	Myriam MATTEI David HARDY SBEA IP

Thursday 15 October 2026

09:00 – 13:00 Health management of the animal facilities:
principles, applications, equipments and materials
to ensure bio-exclusion and safety

Marion BERARD
(Institut Pasteur, Paris)

13:00 – 14:00 **LUNCH BREAK**

14:00 – 16:00 Basics of pathology of laboratory animals

Nathalie ABELLA-BOURGES
(Ecole Vétérinaire,
Toulouse, France)

Friday 16 October 2026

09:00 – 11:00 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

Myriam MATTEI
(Institut Pasteur, Paris)

11:00 – 13:00 Evaluation and Validation of the training

Marion BERARD
Myriam MATTEI
(Institut Pasteur, Paris)