Animal experiment, ethics and good practices in biology

ECTS

2

Mots clés

Animal, Behavior, Comportement, Bien-être, Experiment, Ethics, Ethique, Welfare, Expérimentation

Description du contenu de l'enseignement

Objectifs:
The goal of this course is threefold: (i) to train students in the conception and analysis of an experiment, (ii) to address the ethical issues dealing with the use of animals in experiments and, (iii) to train students in good research practices.
Contenu :
Introduction to the conduct of a scientific study and to behavioral observations: defining hypotheses, designing an experiment that allows to test these; carrying out the experiment; data analysis using non-parametric statistics; writing a scientific paper.
Introduction to ethical concepts, approaches to ethical evaluations of animal experiments, regulations and legal requirements.

Compétences à acquérir

After taking this course, students will be able to:
- Design an experiment based on a specific scientific question
- Develop experimental methods based on examples from the literature
- Carry out simple behavioral observations
- Use parametric and/or non-parametric statistics to analyze data
- Write a scientific paper
- Address the main ethical questions associated with animal experimentation
- Carry out an ethical assessment of an animal experiment
- To design and analyze an experiment with animals and to address the associated ethical issues.

Modalités d'organisation et de suivi

Coordinateur :
Hans Erhard (MC AgroParisTech) & Christine Duvaux-Ponter (PR AgroParisTech)
Equipe pédagogique *;*
Céline Domange (MC AgroParisTech), Christine Duvaux-Ponter (PR AgroParisTech), Hans Erhard (MC AgroParisTech),

Langue

Anglais

Volume horaire

CM : 18h, TD : 9h

Pré-requis obligatoires

Basics in animal biology.

Période et lieu(x) enseignements

Période:
Septembre
lieu:
Paris-Grignon

Mode de contrôle des connaissances

Assignments, oral presentation, participation