

Adaptation

ECTS

1

Mots clés

Genetics, Physiology, Adaptation, Change, environment

Description du contenu de l'enseignement

Objectif

Exploring the concept of “adaptation” at different time scales, both from the genetic and physiological points of view, to reach a integrative perspective

Contenu

Animal adaptation is both a driving force of natural and artificial selection, and it is also a crucial issue in the contexts of global demand and climate changes. This concept will be explored both from the short- an long-term genetic perspective, and the short term physiological perspective. Scientist from both field will address, compare and combine their approaches, to provide an operational definition of adaptation.

Compétences à acquérir

Exploring the concept of “adaptation” at different time scales, both from the genetic and physiological points of view, to reach a integrative perspective

Modalités d'organisation et de suivi

Coordinateurs:

Geneviève Jolivet (INRA) - Gwendal Restoux (AgroParisTech) – Tatiana Zerjal (INRA)

Langue

Anglais

Volume horaire

CM : 12h, TD : 6h

Période et lieu(x) enseignements

Période:

semestre 3

Lieu:

Mode de contrôle des connaissances

Assignments, oral presentation, participation