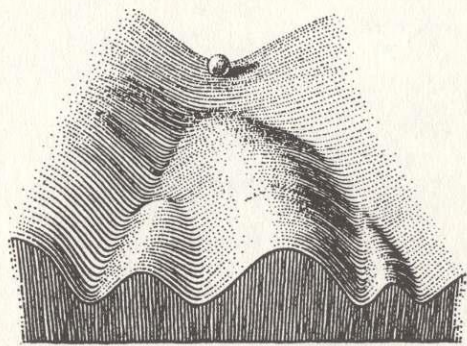


Epigenetics

Multi-disciplinary approaches

Jonathan WEITZMAN



Effectives: 25

Language: English

Prerequisites: none

Where?

Grand Moulin
Campus

When?

5-9 December

Evaluation:

Take-home exam
Essay choice

Questions:

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Number ECTS: 3

**Total numbers of
hours:** 30h

Learning format:

Lectures, student
presentations and class
discussion

Teaching objectives

This week we will explore the field of epigenetics, discussing historical discoveries and recent progress across a wide range of fields and experimental models. We will examine how the epigenetic landscape has changed over the last few decades and how epigenomics technologies are shedding new light on our understanding of genotype-phenotype interactions. We will cover topics related to DNA methylation, histone modifications, RNA biology, genome organisation and genome integrity.

Teaching outline

After a brief introduction, each day we will have short lectures from experts in the field, followed by literature presentations by students and interactive classroom discussions with the lecturer.

The only requirements are a keen scientific curiosity, a willingness to participate in class discussions and a desire to learn about where epigenetics is coming from and where it will take us – come and join the discussion!