

Normal and pathological intra-cellular signaling

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Effectives: 25

Language: English

Prerequisites:

none

Where?

Institut Curie,
Centre Universitaire, Bat 111
91405 ORSAY

When?

26-30 September 2022

Evaluation:

From Figures of published papers, we expect students to observe, observe and draw conclusions and finally propose new experiments to advance knowledge in the research field of the paper.

Questions:

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Number ECTS: 3

Total numbers of hours:

20h courses, plus 3h exam

Teaching format:

conferences

Teaching objectives

- (i) Description of the major signaling pathways involved in normal development and the way by which their deregulation contributes to the emergence of various pathologies (e. g. cancers, neurodegenerative diseases, addictions);
- (ii) How dissection of these deregulations can be exploited to develop novel targeted therapeutic approaches in these pathologies

Teaching outline

These aspects will be developed by experts in each of the signaling pathways. Other specialized speakers will address the way in which these signaling pathways are apprehended experimentally either at the level of the individual cell (imaging) or at the global level (transcriptomics, proteomics)