

# Cellular aspect of the development

Antoine Guichet et Christine Rampon



**Effectives:** 20 (from M2 génétique and M2 BDC)

**Language:** English

## Where?

Grand Moulin Campus

## When?

October 17-21

## Evaluation:

Presentation of an article +  
Questions to another  
subgroup on another article

## Questions:

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**Number ECTS:** 3

**Total numbers of hours:** 30h

## Teaching format:

lectures and presentation of articles

The purpose of the course is to show that Developmental Biology and Cell Biology are strongly connected. Developmental processes have been studied for many years until recently mostly at the level of ligands, receptors and transcription factors. Understanding of processes controlling development events require cell biology knowledge. The guideline will be morphogenesis, cytoskeleton and polarity, membrane trafficking. We will focus on three different models : flies, nematode and zebrafish.

This course is divided in 2 parts :

- Lectures given by invited speakers
- Presentation of an article by subgroups of two students (about 40 min per article) followed by questions asked by another subgroup, foster a general discussion during the article presentation.

Organisation of the course:

Monday : presentation of the different models

Tuesday : Tissue morphogenesis and Drosophila Part I

Wednesday : Tissue morphogenesis and Drosophila Part II

Thursday : Tissue morphogenesis and nematodes

Friday : Tissue morphogenesis and zebrafish