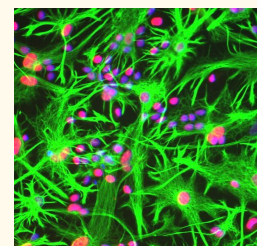


Models in genetic disease research

Mauro ZORDAN / Domenico FLAGIELLO



Effectives: 20

Language: English

Where?

Padova

When?

See planning on the website

Evalutation:

Analysis of a scientific article

Questions:

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**Number ECTS : 4 Total
numbers of hours
: 30h**

**Teaching format :
Lectures and poster
presentation**

Teaching objectives

The course consists in a series of specific seminars dealing with the general topic of genetic diseases and the model organisms employed to study the molecular mechanisms involved in the physiopathology of the diseases. Each seminar proposed during the course is followed by an open discussion, thus at the end of the course, students are expected to have acquired the capacity to critically evaluate scientific papers.

Teaching outline

The course is organized as a series of one-hour seminars on topics dealing mainly with genetic diseases and the use of model organisms in genetic disease research. Topics typically touch upon molecular aspects of select genetic diseases and on the application of models such as *in vitro* mammalian cells, yeast, *Drosophila*, zebrafish and mouse to study the pathogenetic mechanisms of specific genetic defects.