

# UE How to become a cancer cell



- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** YAX8BI18

## Presentation

### Description

The objective of this course is to acquire the fundamental knowledge necessary to understand key mechanisms of cancer development. This course includes a set of lectures on alterations of cellular and molecular mechanisms that are responsible for the cancer pathophysiology. These modified cellular functions include for example the cell division, apoptosis, gene expression, stem cells, angiogenesis and degradation of the extracellular matrix... The fundamental notions will be illustrated via their implications in diagnosis and therapeutics. The publication analysis will allow emphasizing the medical interest.

#### To which kind of program can you apply when taking this course?

- Any kind of Master 2 program.
- The module is particularly recommended to the students interested in the PHEDD program.
- Medical Students (MED)

### Course parts

UE How to become a cancer cell - TD	Tutorials (TD)	20h
UE How to become a cancer cell - CM	Lectures (CM)	30h

---

## Recommended prerequisites

- Basic knowledge in genetics, cell biology, and biochemistry.

**Period :** Semester 8

---

## Skills

- Knowledge in fundamental cancer cell biology, cancer cell-host relationship, basis on corresponding targeted therapeutics
- Ability to analyze biological data from published scientific manuscripts.

## Useful info

---

### Contacts

Program director

**Laurent Pelletier**

✉ [Laurent.Pelletier@univ-grenoble-alpes.fr](mailto:Laurent.Pelletier@univ-grenoble-alpes.fr)

Program director

**Marie Bidart**

✉ [mbidart@chu-grenoble.fr](mailto:mbidart@chu-grenoble.fr)

---

### Place

› Grenoble

---

### Campus

› Grenoble - University campus