



## Module A - Cancer biology 2024

### Modes of cell death

#### Instructors

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**Date** Monday, October 28, 2024

**Course Venue** Irchel Campus, Y19 J-94, Winterthurerstrasse 190, 8057 Zürich

#### General Outline

09.00 – 10:00	Introduction, Mitotic Catastrophe (Martin Pruschy)
10.00 – 11.00	Apoptosis and inflammatory forms of cell death (Lynn Wong)
11.00 – 12.00	Autophagy, Senescence (Christian Münz)
12:00 – 13:00	<i>Lunch break</i>
13:00 - 14:30	Workshop Preparation
14:30 – 16:00	Workshop Presentation

#### Learning outcomes

- \* Students are introduced to the concepts of accidental, regulated, and programmed cell death in the context of the therapeutic window.
- \* Students are introduced in the molecular machinery of autophagy, its use outside the canonical macroautophagy pathway, and pro- and anti-tumor functions of this machinery.
- \* Students are introduced to different forms of cell death and the molecular machinery associated with these forms of cell death. How cell death molecular machinery can be exploited by cancer cells or therapeutic gain will be discussed.