



Universidade do Minho  
Departamento de Biologia

**cbma**  
centro de **biologia**  
molecular e ambiental

# MECHANISMS AND REGULATION OF CELL DEATH AND AUTOPHAGY

**ERASMUS+  
BLENDED  
INTENSIVE  
PROGRAMME  
(BIP)**

**2025**

COMPONENTS

**VIRTUAL**

07-11 April &  
28 April - 02 May

**FACE TO FACE**

05-09 May

**5 ECTS**

LEVEL OF STUDENTS

**C2 & C3**

ORGANIZER

**MARIA JOÃO SOUSA**

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## TOPICS

- Regulated cell death (RCD) *versus* accidental cell death
- Apoptosis and regulated necrosis as RCD processes
- Mitochondrial membrane permeabilization, apoptosis induction mechanisms and their modulation by Bcl-2 family members
- RCD in human diseases - RCD evasion in cancer and cancer drug resistance and pharmacological modulation of apoptosis as a therapeutic approach
- Yeast as a model to study the mechanisms of induction and regulation of RCD
- Apoptosis induced by acetic acid/acetate in yeast and mammalian cells
- Autophagy in physiology and pathology
- The role of autophagy in cancer
- Mitophagy: From yeast to mammalian cells

## IN-HOUSE & INVITED LECTURES

- MARIA JOÃO SOUSA
- MANUELA CÔRTE-REAL
- ANA PRETO
- SUSANA CHAVES
- ANTÓNIO REGO
- OTHERS TO BE ANNOUNCED