

# Fundamentals in Oncobiology

14-31 October 2024

## PROGRAMME - Week 1

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### Monday, 14 October

- 09:30– 10:00 Course Presentation  
**Bruno Costa / Rui Reis** (ICVS, UM)
- 10:00 - 11:15 Genetic Alterations – part I  
**Marta Daniela Costa** (ICVS, UM)
- 11:45 - 13:00 Genetic Alterations – part II  
**Marta Daniela Costa** (ICVS, UM)
- 14:30 - 16:00 (Dys)Regulation of Gene Expression in Cancer  
**Fernando Rodrigues** (ICVS, UM)
- 16:30 - 18:00 Carcinogenesis  
**Rui Reis** (ICVS, UM)

### Tuesday, 15 October

- 09:30 - 11:00 Hallmarks of Cancer – part I  
**Bruno Costa** (ICVS, UM)
- 11:30 - 13:00 Hallmarks of Cancer – part II  
**Bruno Costa** (ICVS, UM)
- 14:30 - 16:00 Epigenetic Mechanisms in Oncology  
**Vera Constâncio** (IPO, UPorto) / **Bruno Costa** (ICVS, UM)
- 16:30 - 18:00 Signal Transduction in Cancer  
**Marta Viana-Pereira** (Hospital Braga)

### Wednesday, 16 October

- 09:30 – 11:00 Cancer Epidemiology and Early- vs Over-Diagnosis  
**Luis Figueiredo** (ICVS, UM)
- 11:30 – 12:30 Cell Invasion and Metastasis  
**Julieta Afonso** (ICVS, UM)
- 14:00 - 18:00 Experimental Approaches in Oncobiology: Lab I  
*Cell viability (MTT assay) and migration capacity (wound healing assay)*  
**Bruno Costa / Joana Ferreira / Helena Figueiredo** (ICVS, UM)

### Thursday, 17 October

- 09:30 - 11:00 Cancer Cell Metabolism  
**Sara Granja** (ICVS, UM)
- 11:30 - 13:00 Cancer Screening  
**Adhemar Longatto** (ICVS, UM) / **Denise Guimarães** (Hospital de Santa Luzia)

### Friday, 18 October

- 09:30 - 11:00 Parallels Between Developmental Biology and Oncobiology  
**Raquel Andrade** (FMCB, UAlgarve)
- 11:30 – 13:00 Microbiota and Cancer  
**Concita Panebianco** (IRCCS, Italy)

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## PROGRAMME - Week 2

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### Monday, 21 October

- 09:30 - 11:00 Cancer Immunity Cycle and Immunotherapies  
**Ricardo Silvestre** (ICVS, UM)
- 11:30 - 12:30 Immune Cells and Tumor Microenvironment  
**Sara Granja** (ICVS, UM)
- 14:00 - 18:00 Experimental Approaches in Oncobiology: Lab II  
*Immunohistochemistry assays*  
**Julieta Afonso / Ana Silva** (ICVS, UM)

### Tuesday, 22 October

- 09:30 - 11:00 Therapeutic Approaches in Cancer  
**Marta V. Pereira / José Miguel Rocha** (Hospital Braga) / **Bruno Costa** (ICVS, UM)
- 11:30 - 12:30 *In Vivo* Murine Models for Cancer Research  
**Bruno Costa** (ICVS, UM)
- 14:30 - 16:00 Cancer Research at ICVS (*speed seminars*)  
**Bruno Costa & Joana Ferreira / Fátima Baltazar & Mónica Cerqueira / Rui Reis & Rafaela Oliveira** (ICVS, UM)

### Wednesday, 23 October

- 14:00 – 17:30 Experimental Approaches in Oncobiology: Lab III  
*Genomic Databases for Cancer Research*  
**Luciane Sussuchi** (Hospital de Câncer de Barretos, Brazil)
- 17:30 - 18:00 Formative Feedback (posters preparation and learning progress)  
**Bruno Costa / Rui Reis** (ICVS, UM)

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## PROGRAMME - Week 3

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### Monday, 28 October

- 09:30 - 11:00 Scientific Forum (Posters presentation and discussion)  
**Bruno Costa / Julieta Afonso / Rui Reis** (ICVS, UM)
- 11:30 - 13:00 Scientific Forum (Posters presentation and discussion)  
**Bruno Costa / Julieta Afonso / Sara Granja** (ICVS, UM)
- 14:30 - 15:00 Formative Feedback (Poster Session) and Concluding Remarks  
**Bruno Costa / Julieta Afonso / Rui Reis / Sara Granja** (ICVS, UM)

### Thursday, 31 October

- 10:00 - 12:00 Exam