

2 JULY

BASIC CELL CULTURE CONCEPTS

- 14H00 - 14H15 **VIII Cell Culture and Tissue Training Course: A fast track view**
- 14H15 - 15H00 **Cell culture: Introduction and basic concepts**
Maria Filomena Botelho (FMUC, Coimbra, Portugal)
- 15H00 - 15H45 **Cell line characterization: The impact and challenge on research**
Isabel Marques Carreira (FMUC, Coimbra, Portugal)
- 15H45 - 16H30 **Cell culture laboratory and biosafety**
Fernando Mendes (ESTESC, Coimbra, Portugal)
- 17H00 - 17H45 **Primary cell cultures in prenatal and post natal diagnosis**
Joana Barbosa de Melo (FMUC, Coimbra, Portugal)
- 17H45 - 18H30 **Cell cultures troubleshooting**
Salomé Pires | Cristina Gonçalves (FMUC, Coimbra, Portugal)

9 JULY

CELL CULTURE METHODS, TECHNIQUES AND APPLICATIONS I

- 14H00 - 14H45 **Spectrophotometry: Principles and applications**
Inês Marques | Ricardo Teixo (FMUC, Coimbra, Portugal)
- 14H45 - 15H30 **Immunocytochemistry in cell culture: Friend or foe?**
Diana Martins (ESTESC, Coimbra, Portugal)
- 15H30 - 16H15 **Cell migration: Concepts and techniques**
Ana Fernandes | Nuno Saraiva (CBIOS, Lisbon, Portugal)
- 16H45 - 17H45 **How and why flow cytometry in cell culture**
Alexandre Salvador (Enzifarma, Porto, Portugal)
- 17H45 - 18H30 **Microscopy techniques on biomedical research**
Henrique Girão (FMUC, Coimbra, Portugal)

16 JULY CELL CULTURE METHODS, TECHNIQUES AND APPLICATIONS II

- 14H00 - 14H45 **Cell signaling and functional studies, in cell culture, by flow cytometry**
Alexandre Salvador (Enzifarma, Porto, Portugal)
- 14H45 - 15H45 **DNA damage and repair evaluation: An overview of assays and their utility**
Carla Trindade Costa (INSA, Porto, Portugal)
- 16H15 - 17H00 **From transfection to CRISPR/CAS9: A new era in molecular biology**
Joana Caldeira (i3S, Porto, Portugal)
- 17H00 - 17H45 **Using human samples in cell culture lab**
Mafalda Laranjo (FMUC, Coimbra, Portugal)
- 17H45 - 18H30 **Magnetic 3D bioprinting, 3D cell culture in a 2D workflow**
Glauco Souza (Greiner Bio-One, Monroe, USA)

23 JULY ADVANCED CELL CULTURE METHODS

- 14H00 - 14H45 **Culturing cells for tissue engineering**
Jorge Carvalho Silva (Cenimat/i3N, Lisbon, Portugal)
- 14H45 - 15H30 **Quantify biomolecular interactions in a cellular environment**
João Encarnação (Ridgeview Instruments AB, Uppsala, Sweden)
- 15H30 - 16H15 **Cell cultures for regenerative medicine research**
Miguel Marto (FMUC, Coimbra, Portugal)
- 16H45 - 17H30 **Electrophysiology of plasma membranes: Patch clamp**
Ana Cardoso (CNC, Coimbra, Portugal)
- 17H30 - 18H15 **Understanding metastasis through liquid biopsy and organs-on-a-chip**
Lorena Diéguez (INL, Braga, Portugal)