Course Program

	15.07.2019	16.07.2019	17.07.2019	18.07.2019	19.07.2019
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
9h30-10h15	**VII Cell Culture and Tissue Training Course - A fast track view** Ana Margarida Abrantes **Cell culture - Introduction and basic concepts** Maria Filomena Botelho	**Primary cell cultures in prenatal and postnatal diagnosis** Joana Barbosa de Melo	**Cell Studies by flow cytometry Basic Concepts** Alexandre Salvador	**From transfection to cRispr/cas9: a new era in molecular biology (I)** Joana Caldeira	**Immunocytochemistry in Cell Culture: Friend or Foe?** Diana Martins
10h15-10h45	**Coffee Break**				
10h45-11h30	**Biosafety levels** Fernando Mendes	**Cell line characterization: the impact and challenge on research** Isabel Carreira	**Flow Cytometry: Differentiation, Cell cycle, Proliferation and apoptosis Sinalling and Function Studies** Alexandre Salvador	**From transfection to cRispr/cas9: a new era in molecular biology (II)** Isabel Pereira-Castro and Filipa Freire	**Using human samples in cell culture lab** Mafalda Laranjo
11h45-12h30	**Cell Cultures Troubleshooting** Salomé Pires	**Tissue culture in matrices** Paulo Matafome	**Microscopy techniques on biomedical research** Henrique Girão		**Cell cultures for Regenerative Medicine Research** Miguel Marto
12h30-14h00	**Lunch**				
14h00 - 18h30 (Each group will have a specific schedule for practical classes)	**Learning Cell Culture Technique** (Practical Class) **Practice Cell Culture Technique** (Practical Class)	**Spectrophotometric Assays** (Practical Class) **Contamination Tests** (Practical Class)	**Flow Cytometry** (Practical Class) **Enhance your results with Immunocytochemistry, from hypothesis to bench** Diana Martins and Paulo Teixeira (Practical Class)	**Transfection/transduction assays for CRISP/Cas9 Genome Editing: a practical guide** Joana Caldeira, Isabel Pereira-Castro and Filipa Freire	**Cell line results – Graphic representation** Francisco Caramelo **Evaluation** (for ECTS accreditation)

☐ Theoretical course ▒ Practical course