

# Curso de Cultura de Células 2018

## Theoretical Scientific Programme

	09.07.2018	10.07.2018	11.07.2018	12.07.2018	13.07.2018
	Monday	Tuesday	Wednesday	Thursday	Friday
9h30-10h15	<b>VI Cell Culture and Tissue Training Course - A fast track view</b> Ana Margarida Abrantes  <b>Cell culture - Introduction and basic concepts</b> Filomena Botelho	<b>Primary cell cultures in prenatal and postnatal diagnosis</b> Joana Barbosa de Melo	<b>Mammalian cell migration: concepts and strategies to quantify migratory phenotypes</b> Ana Fernandes	<b>Metabolic modulation of pluripotency in cell culture</b> Sofia Rodrigues	<b>Cell studies by flow cytometry</b> <b>Basic concepts</b> Alexandre Salvador
10h15-10h45	<b>Coffee Break</b>				
10h45-11h30	<b>Biosafety levels</b> Fernando Mendes	<b>Cell line characterization: the impact and challenge on research</b> Isabel Carreira	<b>Molecular mechanisms of cell migration: a technical approach</b> Nuno Saraiva	<b>Cell cultures for regenerative medicine research</b> Miguel Marto	<b>Flow cytometry: Differentiation, cell cycle, proliferation and apoptosis</b> <b>Signalling and function studies</b> Alexandre Salvador
11h45-12h30	<b>Cell cultures troubleshooting</b> Salomé Pires	<b>Using human samples in cell culture lab</b> Mafalda Laranjo	<b>Tissue culture in matrices</b> Paulo Matafome /Tiago Rodrigues	<b>3D <i>in vitro</i> models to study cell physiology</b> Pedro Oliveira	<b>Cell cultures and flow cytometry: a way to evaluate immune cell function</b> Artur Paiva
12h30-14h00	<b>Lunch</b>				
14h00 -15h30	Learning Cell Culture Technique (Practical Class)  Practice Cell Culture Technique (Practical Class)	Cell Cytotoxicity Assays (Practical Class)  Contamination Tests (Practical Class)	Migration Assays (Practical Class)  Invasion Assays (Practical Class)  Angiogenesis Assay (Practical Class)	<b>3D cell culture</b> Glauco Souza	Statistics for biological studies
15h30 -17h00				Isolation of Cancer Stem Cells (Practical Class)	
17h00 - 18h30					

**Workshop on "Invasion and migration "**

