

IV CELL CULTURE AND TISSUE TRAINING COURSE

BEYOND THE MICROSCOPE, CULTURING LIFE!

18-22 JULY 2016

Scientific Programme

	18.07.2016	19.07.2016	20.07.2016	21.07.2016	22.07.2016
	Monday	Tuesday	Wednesday	Thursday	Friday
9h30-10h30	Cell culture - Introduction and basic concepts (T1) Filomena Botelho	Mimicking microenvironment: M&M world by co-culture systems (T4) Carmen Alpoim	Flow cytometry and cell sorting. Biomedical applications (T7) Paulo Santos	Cell line characterization: the impact and challenge on research (T10) Isabel Carreira	Statistics for cell culture (T13) João Casalta
Coffee Break					
11h00-11h45	Biosafety levels (T2) Fernando Mendes	Primary cell cultures (T5) Joana Barbosa de Melo	Flow cytometry (T8) Alexandre Salvador	EBV imortalization (T11) Isabel Carreira	PC7 How to build a database for statistical analysis after experiments with cell lines
12h00-12h45	Cell cultures troubleshooting (T3) Salomé Pires	Choosing the right microscope (T6) Joana Barbosa de Melo	Flow cytometry (T9) Alexandre Salvador	Culture tissue in matrices (T12) Paulo Matafome	Hands-on
Break					
14h00-15h30	PC1 Cell thawing and cryopreservation/ Cell lines manipulation procedures (Lab 1)	PC2 Viability/proliferation tests (Lab 1)	PC4 Flow cytometry basic (Lab4)	PC6 Primary cell cultures establishment and manipulation (Lab 5)	Group Work
16h00-18h00	PC3 Contamination tests (Lab 2)	Hands-on	PC5 Flow cytometry sorting (Lab 4)	Hands-on	Results presentation and discussion

Theoretical Classes

Practical classes