

	11 th April			12 th April			13 th April			14 th April	
09.00	Welcome Stem cells and organoids (Marta Alves da Silva)			Methods for infection of organoids (Carmen Aguilar)			Organoids and 3Rs (Anna Olsson)			Microfluidics chips fabrication and design (Marta Alves da Silva)	
10.15	TE principles and organoids (Cristina Barrias)			High content screening using 3D models (André Maia)			Organs on chips – basic principles (Marta Alves da Silva)			Module 5 All classes	
11.00	Coffee Break										
11.30	Organoids in cancer (Celso Reis)			Advanced microphysiologic systems (Silvia Mihaila)			Module 4 All classes			Module 5 All classes	
12.15	Organoids in Infection (Margarida Saraiva)			Microfluidics Class (Estrela Neto)						Confocal microscopy of 3D structures (Paula Sampaio)	
13.00	Lunch Break										
14.00	Module 1 Class 1	Module 2 Class2	Module 3 Class3	Module 1 Class 2	Module 2 Class 3	Module 3 Class 1	Module 1 Class 3	Module 2 Class 1	Module 3 Class 2	Module 6 All classes	
15.00										Wrap up and farewell	
16.00											
17.00											
18.00											

Module 1 - Intestinal Organoids Isolation

Module 2 – Lung organoids isolation

Module 3 – Gastric organoids isolation

Module 4 – Histology principles and procedures using organoids

Module 5 – How to operate microfluidics chips

Module 6 – Organoids confocal microscopy