



Animal Cell Technology Course 2024, 14 <sup>th</sup> edition						
	Sunday, 22.09.	Monday, 23.09.	Tuesday, 24.09.	Wednesday, 25.09.	Thursday 26.09.	
09.00-09.45	<p>Arrival to Barcelona / Girona airport and transport to Hotel Terramar in Lafranc</p> <p>Check-in Hotel</p>	<b>Introduction of Course Participants presentation</b> F. Gòdia/P. Alves	<b>Post-translational Modifications I</b> E. Papoutsakis	<b>On-line process analytics</b> F. Gòdia	<b>Integrated bioprocess for protein production</b> A. Tolstrup	
09.45-10.00		Break				
10.00-10.45		<b>Overall Lecture</b> M. Carrondo	<b>Post-translational Modifications II</b> E. Papoutsakis	<b>Bioreactor Scale-Up and Scale-Down</b> S. Grammatikos	<b>Integrated bioprocess for stem cells</b> P. Alves	
10.45-11.15		Coffee Break				
11.15-12.00		<b>Cell line development I</b> H. Hauser	<b>Omics analysis for systems biology of cells I</b> N. Borth	<b>Miniaturization and single-use Bioreactors</b> S. Grammatikos	<b>Industrial perspectives of ACT</b> A. Tolstrup	
12.00-12.15		Break				
12.15-13.00		<b>Case Study I</b>	<b>Case Study I</b>	<b>Case Study I</b>	<b>Wrap-up and Course closing</b>	
13.00-15.00		Lunch Break				
15.00-15.45		<b>Cell line development II</b> H. Hauser	<b>Omics analysis for systems biology of cells II</b> N. Borth	<b>Downstream processing I</b> M. Carrondo	<b>Course completion hotel check-out and departure to airport</b>	
15.45-16.00		Break				
16.00-16.45		<b>Cellular mechanisms I</b> E. Papoutsakis	<b>Bioreactor Design I</b> F. Gòdia	<b>Downstream process II</b> M. Carrondo		
16.45-17.15		Coffee Break				
17.15-18.00		<b>Cellular mechanisms II</b> E. Papoutsakis	<b>Bioreactor Design II</b> F. Gòdia	<b>Integrated bioprocess for cell culture based vaccines</b> P. Alves		
18.00-18.15		Break				
18.15-19.00		<b>Case Study II</b>	<b>Case Study II</b>	<b>Case study II</b>		
		Free time				
21.00		<b>Welcome and dinner</b>	<b>Dinner</b>			