



Animal Cell Technology Course 2025, 15 <sup>th</sup> edition						
	Sunday, 28.09.	Monday, 29.09.	Tuesday, 30.09.	Wednesday, 01.10.	Thursday 02.10.	
09.00-09.45	<p><b>Arrival to Barcelona / Girona airport and transport to Hotel Terramar in Lafranc</b></p> <p><b>Check-in hotel</b></p>	<b>Introduction of Course Participants presentation</b> F. Gòdia/P. Alves	<b>6-Post-translational Modifications I</b> E. Papoutsakis	<b>12-On-line process analytics</b> F. Gòdia	<b>18-Integrated bioprocess for protein production</b> A. Tolstrup	
09.45-10.00		Break				
10.00-10.45		<b>1-Overall Lecture</b> M. Carrondo	<b>7-Post-translational Modifications II</b> E. Papoutsakis	<b>13-Bioreactor Scale-Up and Scale-Down</b> S. Grammatikos	<b>19-Integrated bioprocess for stem cells</b> P. Alves	
10.45-11.15		Coffee break				
11.15-12.00		<b>2- Cell line development I</b> H. Hauser	<b>8-Omics analysis for systems biology of cells I</b> N. Borth	<b>14-Miniaturization and single use Bioreactors</b> S. Grammatikos	<b>20-Industrial perspectives of ACT</b> A. Tolstrup	
12.00-12.15		Break				
12.15-13.00		<b>Case Study I</b> A. Tolstrup	<b>Case Study I</b> A. Tolstrup	<b>Case Study I</b> A. Tolstrup	<b>Wrap-up and course closing, hotel check-out and departure to airport</b>	
13.00-15.00		Lunch break				
15.00-15.45		<b>3-Cell line development II</b> H. Hauser	<b>9-Omics analysis for systems biology of cells II</b> N. Borth	<b>15-Downstream processing I</b> M. Carrondo		
15.45-16.00		Break				
16.00-16.45		<b>4-Cellular mechanisms I</b> E. Papoutsakis	<b>10-Bioreactor Design I</b> F. Gòdia	<b>16-Downstream process II</b> M. Carrondo		
16.45-17.15		Coffee break				
17.15-18.00		<b>5-Cellular mechanisms II</b> E. Papoutsakis	<b>11-Bioreactor Design II</b> F. Gòdia	<b>17-Integrated bioprocess for cell culture-based vaccines</b> P. Alves		
18.00-18.15		Break				
18.15-19.00		<b>Case Study II</b> S. Grammatikos	<b>Case Study II</b> S. Grammatikos	<b>Case Study II</b> S. Grammatikos		
		Free time				
21.00		<b>Welcome and dinner</b>	<b>Dinner</b>			