



Vaccine Technology Course 2024, 9 th edition					
	Sunday, 06.10.	Monday, 07.10.	Tuesday, 08.10.	Wednesday, 09.10.	Thursday 10.10.
09.00-09.45	<p>Arrival to Barcelona / Girona airport and transport to Hotel Terramar in Lafranc</p> <p>Check-in Hotel</p>	Introduction viral vaccines and course outline A. Kamen, McGill (01)	Upstream Process development Y. Genzel, MPI (09)	Analytical and Potency assays Y. Genzel, C. Peixoto ?? (17)	Vaccine markets and immunization policies E. Sparrow, WHO (25)
09.45-10.00		Break			
10.00-10.45		Basic virology for antigen design P-J Cardona, UAB (02)	Upstream Process Intensification Y. Genzel, MPI (10)	QbD and PAT in vaccine development P. A. Gibert, BMGF (18)	Novel Vaccination Modalities/RNA vaccines P. A. Gibert, BMGF (26)
10.45-11.15		Coffee Break			
11.15-12.00		Basic immunology for vaccine design P-J Cardona, UAB (03)	Recombinant vaccines: VLPs L. Cervera, UAB (11)	Case study: Cervarix vaccine: from baculovirus technology to first human vaccine I. Knott, GSK (19)	Key role of Bill & Melinda Gates Foundation (BMGF) P. A. Gibert, BMGF (27)
12.00-12.15		Break			
12.15-13.00		Cell lines for vaccine production I. Knott, GSK (04)	Downstream Processing of Viral Vaccines C. Peixoto, iBET (12)	Case Study ??? (20)	Course adjournment, hotel check-out and departure to airport
13.00-15.00		Lunch Break			
15.00-15.45		Case study: Vectored Vaccines ???, Oxford (05)	Product characterization C. Peixoto, iBET (13)	Vaccine formulation and delivery systems HIPRA (21)	
15.45-16.00		Break			
16.00-16.45		Case study: response to pandemic situation ???, Oxford (06)	Case study: Influenza vaccines: present and future A. Kamen, McGill (14)	Case study: Polio vaccines ??? (22)	
16.45-17.15		Coffee Break			
17.15-18.00		Case Study ??? (07)	Workshop Y. Genzel, C. Peixoto, A. Kamen (15)	Workshop presentations by participants (23)	
18.00-18.15		Break			
18.15-19.00		Case study: covid or TB P-J Cardona, UAB (08)	Case study (16)	Case study: RNA? (24)	
		Free time			
21.00		Welcome and dinner	Dinner		