



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 style="text-align: center;">Arrival to Barcelona / Girona airport and transport to Hotel Terramar in Lafranc</p> <p style="text-align: center;">Check-in Hotel</p>	Introduction viral vaccines and course outline A. Kamen, McGill (01)	Upstream Process development Y. Genzel, MPI (09)	Case study veterinary vaccines: HVT vaccines (Herpesvirus of turkeys) I. Jordan, ProBioGen (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)	Vaccine formulation J. Ruano, HIPRA (18)	mRNA vaccines A. Kamen, McGill (26)	
10.45-11.15		Coffee Break				
11.15-12.00		Basic immunology for vaccine design P-J Cardona, UAB (03)	Downstream Processing of Viral Vaccines C. Peixoto, iBET (11)	Adjuvants L.Cervera, UAB (19)	Case study: Influenza vaccines: present and future A. Kamen, McGill (27)	
12.00-12.15		Break				
12.15-13.00		Cell lines for vaccine production I. Knott, GSK (04)	Product characterization C. Peixoto, iBET (12)	Case study: Cervarix vaccine: from baculovirus technology to first human vaccine I. Knott, GSK (20)	Course adjournment, hotel check-out and departure to airport	
13.00-15.00		Lunch Break				
15.00-15.45		Viral Biosafety and Potency assays C. Logvinoff, Sanofi (05)	Recombinant vaccines: VLPs L. Cervera, UAB (13)	Case study: Polio vaccines I. Knott, GSK (21)		
15.45-16.00		Break				
16.00-16.45		Case study: Vectored Vaccines A. Kamen, McGill (06)	Case study: Merck HPV M. King, Virginia U. (14)	QbD and PAT in vaccine development P. A. Gibert, BMGF (22)		
16.45-17.15		Coffee Break				
17.15-18.00		Case study: TB P-J Cardona, UAB (07)	Case study: Modified Vaccinia Ankara (MVA) vaccines I. Jordan, ProBioGen (15)	BMGF role in global vaccine development P. A. Gibert, BMGF (23)		
18.00-18.15		Break				
18.15-19.00		Case study: response to pandemic situation M. King, Virginia U. (08)	Workshop Y. Genzel, C. Peixoto, A. Kamen, M. King (16)	Workshop presentations by participants (24)		
		Free time				
21.00		Welcome and dinner	Dinner			