

	Sunday 01.10.	Monday 02.10.	Tuesday 03.10.	Wednesday 04.10.	Thursday 05.10.	Friday 06.10.	
8.30 - 9.45	Arrival to Barcelona/Girona airports and transfer to Hotel Terramar in Llafranc Check-in Hotel	<b>Introduction viral vaccines and course outline</b> A. Kamen, McGill (01)	<b>Upstream Process development</b> Y. Genzel, MPI (07)	<b>Analytical and Potency assays</b> E. Petiot, CPE-Lyon (12)	<b>Global Regulatory Compliance</b> E. Sparrow, WHO (17)		
		Coffee break					
10.15 - 11.30		<b>Basic virology for antigen design</b> P-J Cardona, UAB (02)	<b>Upstream Process Intensification</b> Y. Genzel, MPI (08)	<b>Case study: Cervarix vaccine: from baculovirus technology to first human vaccine</b> I. Knott, GSK (13)	<b>Novel Vaccination Modalities/RNA vaccines</b> P. A. Gibert, BMGF (18)		
11.45 - 13.00		<b>Basic immunology for vaccine design</b> P-J Cardona, UAB (03)	<b>Recombinant vaccines: VLPs</b> L. Cervera, UAB (09)	<b>QbD and PAT &amp; AI in vaccine development</b> E. Petiot, CPE-Lyon (14)	<b>Key role of Bill &amp; Melinda Gates Foundation (BMGF)</b> P. A. Gibert, BMGF (19)		
		Lunch and Free time					
15.00 - 16.15		<b>Cell lines for vaccine production</b> I. Knott, GSK (04)	<b>Downstream Processing of Viral Vaccines</b> C. Peixoto, iBET (10)	<b>Vaccine Formulation and Delivery Systems</b> L. van der Pol, IntraVac (15)	Course adjournment, hotel check-out and departure to airport		
		Coffee break					
16.45 - 18.00		<b>Case study: Vectored Vaccines and response to pandemic situation</b> S. Douglas, Oxford (05)	<b>Case study: Influenza vaccines: present and future</b> A. Kamen, McGill (11)	<b>Case study: Polio vaccines</b> L. van der Pol, IntraVac (16)			
18.15 - 19.30		<b>Vaccine markets and immunization policies</b> E. Sparrow, WHO (06)	<b>Workshop</b> Y. Genzel, C. Peixoto, A. Kamen, F. Gòdia (20)	Workshop presentations by participants			
		Free time		Free time			
21.00	Welcome and dinner	Dinner					