Competition Clause: We ask you for your understanding that participants of competing companies cannot take part in the training course.

Tuesday, 18 September 2018			8:30 - 17:00
8:30	 Welcome and Theory 1 Introduction into eukaryotic DS manufacturing process Virus Filters in biopharmaceutical manufacturing Sources of virus load Reason/necessity for virus removal from DS Brief overview of guidelines Methods for virus removal 	Sebastian Teitz Andrew Bailey	
10:00	Coffee Break		
10:30	 Hands-on 1: Set-up and Handling of Filters Set-up in lab-scale: hands-on Display of production scale filters Integrity tests: hands-on Demonstration of integrity test automation 	Sebastian Teitz	
12:30	Lunch Break		
13:30	Theory 2: Case StudyUp- & Downscaling of a virus filtration step	Franz Nothelfer	
15:00	Coffee Break		
15:30	Interactive Session: Designing a virus filtration process – assumption and points to consider • How to design a process • Calculating production costs	Sebastian Teitz	
17:00	End of Day 1		
18:00	Networking Dinner		

Wedn	esday, 19 September 2018	8:30 - 15:30
8:30	Wrap-up Day 1	Sebastian Teitz
9:00	 Theory 4: Mechanistic principles of (Parvo-) Virus retention Virus filters as bioprocess subject – current hot topics (ATMPS, facility segregation, etc.) Challenges of implementing virus filtration into continuous manufacturing 	Sebastian Teitz
10:30	Coffee Break	
11:00	 Theory 5: How to organize a virus clearance study Challenges in VC studies Historical data Case studies for VC studies 	Michael Lasse
12:30	Lunch Break	
13:30	Interactive session: Pitfalls in the development of a virus filtration process • Bring your own case/topic/question/problem/challenge for discussion!	Sebastian Teitz
	Participants have the opportunity to address real-life challenges during the implementation of a virus filtration process – from bencht-top development through to commercial scale-up.	
15:00	Wrap-up, Q&A	Sebastian Teitz
15:30	End of Course	