

DCVMN Training Workshop: Biosafety and Cleanroom Practices:
20-26 June 2017, Othon Palace, Rio de Janeiro, Brazil

DAY 1, Tuesday 20 th June 2017- Biosafety and Risk Management		
	Topic	Speaker
8h30 – 9h00	Welcome and introduction	Local organizer
9h00 – 9h30	DCVMN introduction	DCVMN
9h30 – 10h00	DCVMN introduction: train the trainers initiative and E- learning platform	DCVMN
10h00 – 10h30	Coffee break	
10h30 – 11h00	Introduction to Biosafety: from infection prevention to Biosecurity	Per Staugaard
11h00 – 11h30	Bio-Risk assessment and risk management	Per Staugaard
11h30 – 12h00	Biorisk management system	Per Staugaard
12h00 – 12h30	Test 1	
12h30 – 13h30	Lunch	
13h30 – 14h00	Basics of infectiology	Per Staugaard
14h00 – 15h00	Group exercise	Group
15h00 – 15h30	Biorisk management system	Per Staugaard
15h30 – 16h00	Containment principles: Aerosol and Hepa filter	Per Staugaard
16h00 – 16h30	Coffee break	
16h30 – 17h00	Exercise	Group
17h00 – 17h30	New Facilities Management	Luiz Roberto Castello Branco
17h30	Adjourn	

DAY 2, Wednesday 21 st June 2017- Safety procedures, waste and dealing with incidents and accidents		
	Topic	Speaker
8h30 – 9h00	Biosafety cabinets	Per Staugaard
9h00 – 9h30	PPE personal protective equipment- special attention to breath protection	Per Staugaard
9h30 – 10h00	Sterilization, disinfection, inactivation, destruction	Per Staugaard
10h00 – 10h30	Coffee break	
10h30 – 11h00	How to deal with incidents and accidents	Per Staugaard
11h00 – 11h30	Waste disposal: solid and liquids	Per Staugaard
11h30 – 12h30	Group exercise	Group
12h30 – 13h30	Lunch	
13h30 – 14h30	Large scale operations and GMP	Per Staugaard
14h30 – 15h30	Group exercise	Group
15h30 – 16h00	Q&A	Per Staugaard
16h00 – 16h30	Coffee break	
16h30 – 17h30	Creative Capacity: Innovative solutions for the future of bioproduction	Georgia Andrade, GE Healthcare
17h30	Adjourn	

DAY 3, Thursday 22 nd June 2017- Cleanroom Practices/ Biosafety		
	Topic	Speaker
8h30 – 17h30 (Bio-Manguinhos facility)	Practical demonstration on Biosafety for Bio-Manguinhos staff	Per Staugaard
8h30 – 10h00	Introduction on cleanroom practices	Philip van Beek
10h00 – 10h30	Coffee break	
10h30 – 12h30	Risk management for cleanrooms.	Philip van Beek

	Particles and micro-organisms; their influence and how to prevent product contamination in cleanroom system. Cleanroom design and their advantages.	
12h30 – 13h30	Lunch	
13h30 – 14h30	Cleanroom design and its influence on production contamination. Standards and regulations related to the contamination control industry.	Philip van Beek
14h30 – 14h40	Small pause	
14h40 – 15h00	Continued	Philip van Beek
15h00 – 16h00	Gowning, interactive session on gowning and demonstration	Philip van Beek
16h00 – 16h30	Coffee break	
16h30 – 17h30	Discussion and Q&A	Group
17h30	Adjourn	

DAY 4, Friday 23 rd June 2017- Cleanroom behaviour		
	Topic	Speaker
8h30 – 9h00	Recap on previous day	Philip van Beek
9h00 – 10h00	Behaviour in cleanroom	Philip van Beek
10h00 – 10h30	Coffee break	
10h30 – 12h00	Continued behavior in cleanroom	Philip van Beek
12h00 – 12h30	Presentation on cleaning the cleanroom with interactive session and demonstrations	Philip van Beek
12h30 – 13h30	Lunch	
13h30 – 14h00	Test 2	
14h00 – 15h00	Presentation on cleaning the cleanroom continued	Philip van Beek
15h00 – 15h10	Small pause	

15h10 – 16h00	Cleaning validation	Philip van Beek
16h00 – 16h30	Coffee break	
16h30 – 17h00	Cleaning validation continued	Philip van Beek
17h00 – 17h30	Q&A and wrap up	
17h30	Adjourn	

DAY 5, Monday 26 th June 2017- Practical cleanroom demonstration		
	Topic	Speaker
8h30 – 17h30 (Bio-Maguinhos facility)	Gowning practical Testing of gowning Cleaning practical	Philip van Beek

Mr Philip Van Beek:

Philip has 30 years of experience in cleanrooms and technical applications concerning Contamination Control, he also has experience in engineering and building cleanrooms in different applications including: micro-electronics, pharmaceutical, food industry, medical, operating theatres, space industry. He has had more than 10 years of experience as a trainer for Contamination Control courses such as Cleanroom Behaviour, Cleaning Cleanrooms and Testing Cleanrooms.

Mr. Per Staugaard:

Per has been involved in biosafety since he started working at the vaccine production at the Dutch National Institute for Public Health (RIVM) in 1989 as head of bacterial vaccine production, and he was responsible for the training program in the vaccine department for [bio]safety. Since 2003 He has been active as an independent biosafety consultant next to his work for Dutch National Institute for Public Health. From 2011 until mid 2015 he worked at RIVM as senior Biosafety Officer. Per is acknowledged as a Registered Biosafety Professional by ABSA.