

PK21-22 contact	D1	D2	Theme	No	Presenter	Company	Topic
Webinar programme May 19, 2021							
Jukka	X		G	I	Frans Saurwalt	Kropman	Pass through Boxes Design and Performance Testing
Jukka	X		H	II	Pedro Gandra	Considero	Practical Safety Ventilations In Ultraclean Air Operating Rooms
Jukka	X		H	III	Jukka Vasara	Granlund Oy	Factors Influencing the Cleanliness of Operating Rooms
Jukka	X		H	IV	Kari Solem Aune	COWI AS	Prefabricated Operating Rooms
Jukka	X		H	V	Perttu Karjalainen	Granlund Oy	Operating Room Extraction Systems
Jukka	X		H	VI	Roberto Traversari	TNO	Technical Specification Development - Ventilation in Medical Locations
Raimo	X		H	VII	Petri Kalliomäki	TUAS	Air Flow Patterns in Hospital Isolation Rooms – CFD Simulations
Gun	X		H	VIII	Ismo Grönvall	Halton	Reducing Nursing Personnel's Exposure by Ventilation
Jukka	X		G	IX	Francisco Forns-Samsó	Granlund Oy	Digital Twins: What is the Value Behind All the Hype?
Webinar programme May 26, 2021							
Kari		X	P	I	Mervi Saukkosaari	Fimea	Current GMP-Topics & Inspection Findings in Sterile Manufacturing
Kari		X	P	II	James Drinkwater	PHSS	Contamination Control Strategy Preparation - Annex 1 Requirement
Kari		X	P	III	Matt Cokely	Ecolab	Regulatory Requirements & Expectations incl. Review of GMP Annex 1
Kari		X	P	IV	Steve Marnach	DuPont	GMP Annex 1 – Selection Criteria of Protective Cleanroom Garments
Miko		X	P	V	Steven Deretz	CRDB	Challenges in Clean Room Projects
Jukka		X	P	VI	Esa Högel	Valtria	Layout Based on Plenum Integrated Filter Fan Units in Clean Rooms
Kari		X	P	VII	Simone Biel	Merck Life Sci.	Single-Use Technology for Aseptic Processing to Meet Requirements
Gun		X	P	VIII	Marc Schmidt	AAF	Membrane HEPA Filters for Pharmaceutical Applications
Inga		X	G	IX	Ilpo Kulmala	VTT	Environmental contamination and risk of COVID-19 transmission at airports
Topics not included in the webinar programme, articles might be written and published in Renhetsteknik							
Jukka			H		Kari Solem Aune	COWI AS	Sterilization Department
Jukka			H		Roberto Traversari	TNO	Switching Off Air Handling Systems in Operating Theaters to Reduce Energy
Jukka			G		Frans Saurwalt	Kropman	New Developments in Cleanroom Design (ISO 14644-4 rev.)
Kari			P		James Drinkwater	PHSS	PHSS Initiative in Preparation of Clarity on GMP Guidance
Gun			F		Riina Brade	Elomatic	RT: Future Food Production Unit – From Designers' Desk to Operational Efficiency
F = Food		G = General	H = Hospital			P = Pharma	

	At (EEST)	At (CEST)	Wednesday 19th of May 2021	Presenter	Company
Welcome	12.00-12.15	11.00-11.15	Welcome & Introduction to R ³ Nordic	Leila Kakko	TAMK
1	12.15-12.45	11.15-11.45	Pass through Boxes Design and Performance Testing	Frans Saurwalt	Kropman
2	12.45-13.15	11.45-12.15	Practical Safety Ventilations In Ultraclean Air Operating Rooms	Pedro Gandra	Considero
Break	13.15-13.30	12.15-12.30	<i>Break</i>		
3	13.30-14.00	12.30-13.00	Factors Influencing the Cleanliness of Operating Rooms	Jukka Vasara	Granlund Oy
4	14.00-14.30	13.00-13.30	Prefabricated Operating Rooms	Kari Solem Aune	COWI AS
Break	14.30-14.45	13.30-13.45	<i>Break</i>		
5	14.45-15.15	13.45-14.15	Operating Room Extraction Systems	Perttu Karjalainen	Granlund Oy
6	15.15-15.45	14.15-14.45	Technical Specification Development - Ventilation in Medical Locations	Roberto Traversari	TNO
7	15.45-16.15	14.45-15.15	Air Flow Patterns in Hospital Isolation Rooms – CFD Simulations	Petri Kalliomäki	TUAS
Break	16.15-16.30	15.15-15.30	<i>Break</i>		
8	16.30-17.00	15.30-16.00	Reducing Nursing Personnel's Exposure by Ventilation	Ismo Grönvall	Halton
9	17.00-17.30	16.00-16.30	Digital Twins: What is the Value Behind All the Hype?	Francisco Forns-Samso	Granlund Oy
Closing	17.30-17.45	16.30-16.45	Summary of the day	Jukka Vasara	Granlund Oy
	At (EEST)	At (CEST)	Wednesday 26th of May 2021		
Welcome	12.00-12.15	11.00-11.15	Welcome & Introduction to R ³ Nordic	Gun Wirtanen	SeAMK
10	12.15-12.45	11.15-11.45	Current GMP-Topics & Inspection Findings in Sterile Manufacturing	Mervi Saukkosaari	Fimea
11	12.45-13.15	11.45-12.15	Contamination Control Strategy Preparation - Annex 1 Requirement	James Drinkwater	PHSS
Break	13.15-13.30	12.15-12.30	<i>Break</i>		
12	13.30-14.00	12.30-13.00	Regulatory Requirements & Expectations incl. Review of GMP Annex 1	Matt Cokely	Ecolab
13	14.00-14.30	13.00-13.30	GMP Annex 1 – Selection Criteria of Protective Cleanroom Garments	Steve Marnach	DuPont
Break	14.30-14.45	13.30-13.45	<i>Break</i>		
14	14.45-15.15	13.45-14.15	Challenges in Clean Room Projects	Steven Deretz	CRDB
15	15.15-15.45	14.15-14.45	Layout Based on Plenum Integrated Filter Fan Units in Clean Rooms	Esa Högel	Valtria
16	15.45-16.15	14.45-15.15	Single-Use Technology for Aseptic Processing to Meet Requirements	Simone Biel	Merck Life Sci.
Break	16.15-16.30	15.15-15.30	<i>Break</i>		
17	16.30-17.00	15.30-16.00	Membrane HEPA Filters for Pharmaceutical Applications	Marc Schmidt	AAF
18	17.00-17.30	16.00-16.30	Environmental contamination and risk of COVID-19 transmission at airports	Ilpo Kulmala	VTT
Closing	17.30-17.45	16.30-16.45	Summary of the day	Raimo Pärssinen / Kari Leonsaari	TurkuAMK / Santen