



- ▶ 18+ Program Hours ▶ 8+ Networking Hours
- ▶ 16+ Speakers ▶ 60+ Attendees
- ▶ Case Studies ▶ Workshops
- ▶ Panel Discussion ▶ Q&A
- ▶ Networking ▶ Refreshments ▶ Coffee Breaks
- ▶ Business Lunches ▶ Dinner
- ▶ Online Streaming ▶ On-demand Recordings

BRONZE SPONSOR



4th Annual

# PHARMACEUTICAL LYOPHILIZATION SUMMIT 2022

January 27-28, 2022 | Prague, Czech Republic

Venue: Novotel Praha  
Wenceslas Square Hotel,  
Katerinska 38, 120 00 Prague





**Michael Dekner**  
Innovation & External Collaborations  
Takeda, AT



**Prof. Geoff Smith**  
Professor of Pharmaceutical Process  
Analytical Technology  
De Montfort University, UK



**Dr. Mattia Cassanelli**  
Technical Manager – Consultancy  
Biopharma Group, UK



**Thomas De Beer**  
Professor at Ghent University  
CTO of RheaVita  
Ghent University, BE



**Diana Löber**  
Global Product Manager Vials  
SCHOTT AG, DE



**Mostafa Nakach**  
Head of Formulation & Process  
Development / Biologics Drug Product  
Development  
Sanofi, FR



**Francis Carroll**  
Specialist, Technical  
Customer Support, EU  
West Pharmaceutical  
Services, IE



VIRTUAL



**Dr. Simon Kervyn**  
Manager Materials Development  
Datwyler Pharma Packaging  
International NV, BE



**Stefan Schneid**  
Laboratory Head Formulation  
Development Parenterals  
Bayer, DE



**Anthony Cannon**  
Regional Director, ExM, Global Tech Ops,  
Sterile  
MSD International, CH



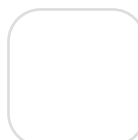
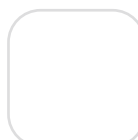
**Paul Matejtschuk, PhD, CChem, FRSC**  
Section Head, Standardisation Science,  
Analytical and Biological Sciences  
Division  
NIBSC, UK



VIRTUAL



**Anton Mangold**  
Managing Director  
Tempris GmbH, DE



## SNAPSHOT OF ATTENDEES - VIRTUAL 3rd Annual Pharmaceutical Lyophilization Summit 2021:

Applied Materials, Inc. ▶ Aspen ▶ Azbil Telstar Technologies SLU ▶ Baxter Healthcare ▶ Bayer AG ▶ Biopharma Group ▶ Boehringer Ingelheim ▶ Cambridge Design Partnership ▶ Catalent Biologics ▶ Catalent Pharma LLC ▶ Catalent Pharma Solutions ▶ Cenexi Lt sa ▶ Daiichi-Sankyo Europe GmbH ▶ Datwyler Pharma Packaging International NV ▶ De Montfort University ▶ Dr. Reddy's lab ▶ ELLAB A/S ▶ eTheRNA Immunotherapies NV ▶ Explicat Pharma GmbH ▶ Ferring GmbH ▶ Fresenius Kabi Oncology Ltd. ▶ GEA Lyophil GmbH ▶ GSK ▶ Hemofarm ▶ Illumina ▶ Janssen ▶ Jazz Pharmaceuticals ▶ Laboratorio Reig Jofre, S.A. ▶ LMU Munich, Pharmaceutical Technology and Biopharmacy ▶ Lyofal ▶ Lyomark Pharma GmbH ▶ Medichem Manufacturing (Malta) Limited ▶ Merck ▶ Minapharm for pharmaceutical products ▶ NIBSC ▶ OPTIMA pharma GmbH ▶ Pfizer ▶ PharmaMar SA ▶ RAUMEDIC AG ▶ Sanofi-Aventis ▶ Sirton Pharmaceuticals SpA ▶ Takeda ▶ Tempris GmbH ▶ Terumo BCT ▶ University of Helsinki ▶ West Pharmaceutical Services ▶ World Health Organization ▶ Yuria-Pharm LLC ▶ others.

Agenda: <https://qepler.com/agendas/3rd-pharmaceutical-lyophilization-summit-2021.pdf>

## SNAPSHOT OF ATTENDEES - 2nd Annual Pharmaceutical Lyophilization Summit 2020:

Allergan ▶ Aptar Pharma ▶ AZBIL TELSTAR TECHNOLOGIES SLU ▶ Baxalta Manufacturing Sàrl ▶ Bayer AG ▶ BB-NCIPD Ltd. ▶ Biopharma Process Systems Ltd ▶ BLAC-BioPharma UG ▶ Boehringer Ingelheim ▶ Datwyler Pharma Packaging International NV ▶ De Montfort University ▶ DendroPharm GmbH ▶ Elm o Sanat University ▶ Freie Universität Berlin ▶ Ghent University ▶ INDICAL BIOSCIENCE GmbH ▶ Janssen ▶ KSHM-Rezonanca ▶ Lek Pharmaceuticals d.d. ▶ Lonza AG ▶ Martin Christ Gefriertrocknungsanlagen GmbH ▶ Masaryk University ▶ MSD ▶ MSD International ▶ Novartis Global Drug Development / Technical Research & Development ▶ Pensatech Pharma ▶ Pfeiffer Vacuum GmbH ▶ Pfizer ▶ PharmaCept GmbH ▶ Polpharma SA ▶ Rhine Waal University ▶ Sanofi ▶ SCHOTT AG ▶ Shire Austria GmbH now part of Takeda ▶ Surface Measurement Systems Ltd. ▶ Takeda ▶ Tempris GmbH ▶ VLB Berlin ▶ West Pharmaceutical Services Deutschland GmbH & Co KG ▶ others.

Agenda: <https://qepler.com/agendas/pharmaceutical-lyophilization-summit-2020.pdf>



## DIVISIONS

- ▶ Lyophilization
- ▶ Pharmaceutical Manufacturing, Engineering & New Technologies
- ▶ Laboratory Management
- ▶ R&D
- ▶ Formulation
- ▶ Containment
- ▶ Pharmaceutical & Processing Development
- ▶ Process Design, Technology, Analytics, Testing, Monitoring & Control
- ▶ Aseptic Production, Cleaning & Sterilisation
- ▶ Bioprocessing
- ▶ QA/QC
- ▶ Characterisation
- ▶ Regulatory Affairs
- ▶ Stability
- ▶ Standardisation
- ▶ Qualification & Validation
- ▶ Scale-up & Technology Transfer
- ▶ Cycle Management
- ▶ Facility & Site Design & Management
- ▶ PAT, QbD
- ▶ Media Fills
- ▶ Visual Inspection
- ▶ Filling & Materials
- ▶ Materials Development
- ▶ Container Development & Container Closures
- ▶ Vials, Stoppers & Dual Chamber Systems
- ▶ Devices & Application Systems
- ▶ Product Development & Control
- ▶ Parenteral Production
- ▶ Injection Systems
- ▶ Vaccines
- ▶ Corporate & Business Development
- ▶ External Supply
- ▶ Sales & Marketing
- ▶ Outsourcing
- ▶ Partnerships & Alliances
- ▶ Strategic Development
- ▶ Other

## POSITIONS

- ▶ C-Level, Presidents, Chairs, Members of the Board & VPs
- ▶ Vice presidents, Directors, & Heads
- ▶ Leaders & Managers
- ▶ Principals, Engineers, Analysts & Scientists
- ▶ Instructors & Trainers & Teachers
- ▶ Advisors, Coordinators, Auditors & Consultants
- ▶ Other Professionals, Experts & Specialists










## INDUSTRIES

- ▶ Pharmaceutical
- ▶ Biotechnology
- ▶ Chemical
- ▶ Medical Devices
- ▶ CDMOs
- ▶ CMOs
- ▶ CROs
- ▶ NOPS
- ▶ Regulatory Agencies
- ▶ Bioprocessing services and equipment
- ▶ Equipment suppliers
- ▶ Training providers








**January 27, 2022 | 1<sup>st</sup> DAY**  
Central European Time (CEST, Prague, UTC/GMT +1 hour)

## SCHEDULE AT GLANCE

8:30 - 9:00	 Registration
9:00 - 9:10	 Opening Address from the Chairman
9:10 - 9:50	Case Study #1
9:50 - 10:30	 Speed Networking
10:30 - 11:10	Case Study #2 - Reserved by Tempris GmbH
11:10 - 11:40	 Morning coffee and Networking break
11:40 - 12:20	Case Study #3
12:20 - 13:00	Case Study #4
13:00 - 14:00	 Business lunch
14:00 - 14:40	Case Study #5
14:40 - 15:20	Case Study #6 - SPONSOR
15:20 - 15:50	 Afternoon coffee and Networking break
15:50 - 16:30	Case Study #7
16:30 - 17:10	Case Study #8
17:10 - 17:50	 Panel Discussion
17:50 - 18:00	 Chairman's closing remarks and end of day
19:00 - 21:00	 Business dinner

**January 28, 2022 | 2<sup>nd</sup> DAY**  
Central European Time (CEST, Prague, UTC/GMT +1 hour)

9:00 - 9:10	 Opening Address from the Chairman
9:10 - 9:50	Case Study #1
9:50 - 10:30	Case Study #2 - SPONSOR
10:30 - 11:00	 Morning coffee and Networking break
11:00 - 11:40	Case Study #3
11:40 - 12:20	Case Study #4
12:20 - 13:00	Case Study #5
13:00 - 14:00	 Business lunch
14:00 - 14:40	Case Study #6
14:40 - 15:20	Case Study #7
15:20 - 16:00	Case Study #8
16:00 - 16:10	 Chairman's closing remarks and end of summit
16:10 - 17:00	 Afternoon coffee and Networking break





## SPEAKER'S BIOGRAPHIES



**Dr. Mattia Cassanelli**  
Technical Manager –  
Consultancy  
Biopharma Group, UK



**Michael Dekner**  
Innovation & External  
Collaborations  
Takeda, AT



**Prof. Geoff Smith**  
Professor of Pharmaceutical  
Process Analytical Technology  
De Montfort University,  
UK



**Diana Löber**  
Global Product Manager Vials  
SCHOTT AG, DE



**Thomas De Beer**  
Professor at Ghent University  
CTO of RheaVita  
Ghent University, BE



**Dr. Simon Kervyn**  
Manager Materials  
Development  
Datwyler Pharma  
Packaging International



**Francis Carroll**  
Specialist, Technical  
Customer Support, EU  
West Pharmaceutical  
Services, IE



**Stefan Schneid**  
Laboratory Head Formulation  
Development Parenterals  
Bayer, DE

Mattia joined Biopharma Group in February 2018 and he currently works as a Technical Manager of the Consultancy Division, providing support through desktop study, cycle audit, characterisation of the material pre- and post- process, formulation development, optimisation of the freeze drying cycle and tech transfer/scale-up.

Mattia's background includes a PhD focussed on drying mechanisms of hydrocolloids in the food industry from a microstructural point of view at the University of Birmingham.

He also gained a Master's Degree in material engineering, and a Bachelor's Degree in industrial engineering completed at the University of Trento, Italy.

Michael Dekner has studied biotechnology at the University of Life Sciences Vienna. Since graduating 16 years ago he has held positions as scientist in enzyme engineering (Biomin), antibody design (f-Star), since joining Takeda as a supervisor for lyophilization and crimping, manager for process and technology innovation and has lead a team of scientists developing and optimizing fill and finish processes. Currently Michael holds the position of associate director for innovation and external collaboration

Geoff Smith is Professor of Pharmaceutical Process Analytical Technology in the Leicester School of Pharmacy at De Montfort University (UK).

His research group focusses on pharmaceutical applications for impedance, dielectric and terahertz spectroscopies alongside optical techniques such as laser speckle and optical flow.

He is responsible for the development of through-vial impedance spectroscopy (TVIS) as a PAT tool for monitoring phase behaviour (ice formation and eutectics), ice interface temperatures, primary drying rates and end points. This development marks the first time that impedance spectroscopy has been used to characterize materials within conventional glass freeze-drying vials, without having to insert the electrodes into the product (i.e. the solution under-going freeze-drying). This feature of the technology sets it apart from other in-process impedance measurement systems, in which a bulky electrode assembly is inserted into the solution being freeze-dried, to provide a product-non-invasive technology.

Diana studied business administration and communication in Mainz. After an internship at Merck Millipore, she completed a 2-years trainee program from 2013 – 2015 in Product Management in the medical devices business (Ottobock HealthCare), including training on-the-job in different departments, also abroad.

Followed by an employment as a Portfolio Manager within the Business Unit Development Prosthetics. Since 2018, Diana acts as Global Product Manager Vials in the Strategy & Innovation department at SCHOTT Pharmaceutical Systems.

Thomas De Beer graduated in pharmaceutical sciences in 2002 at the Ghent University in Belgium. He obtained his PhD at the same university in 2007. For his PhD research, he examined the suitability of Raman spectroscopy as a Process Analytical Technology tool for pharmaceutical production processes. Within his PhD research period, he worked four months at University of Copenhagen in Denmark, Department of Pharmaceutics and Analytical Chemistry (Prof. Jukka Rantanen). After his PhD, he was an FWO funded post-doctoral fellow at the Ghent University (2007-2010). Within his post-doc mandate, he worked 9 months at the Department of Pharmacy, Pharmaceutical Technology and Biopharmaceutics from the Ludwig-Maximilians-University in Munich, Germany (Prof. Winter and Prof. Frieß). In February 2010, he became professor in Process Analytics & Technology at the Faculty of Pharmaceutical Sciences from the university of Ghent. His research goals include bringing innovation pharmaceutical production processes (freeze-drying, hot-melt extrusion, continuous from-powder-to-tablet processing etc.). More specifically, Prof. De Beer contributes to the development of continuous manufacturing processes for drug products such as solids, semi-solids, liquids and biologicals (continuous freeze-drying of unit doses). Thomas De Beer is also director of Ghent University's Center of Excellence in Sustainable Pharmaceutical Engineering (CESPE) which is founded in 2016. In 2018, Thomas De Beer became co-founder and CTO of the Ghent University spin-off company RheaVita which provides a continuous freeze-drying technology for the pharmaceutical market.

Simon Kervyn graduated as a PhD in organic chemistry and materials from the University of Namur, Belgium in 2012. After research stays at National Institute of Materials Sciences in Tokyo and at UCLA, Los Angeles, he worked at the Coatings Research Institute in Belgium.

He is now working for Datwyler as manager surface development. In this position he performs customer's dedicated research to optimize the selection of rubber components to their applications. Furthermore, he works on the development of coated products for the Datwyler portfolio. He is a frequent speaker at conferences.

Francis holds a BSc in Plant and Microbial Biotechnology from University College Cork, Ireland and has close to 20 years' experience working in the Pharmaceutical/Life Sciences sector.

He has a wide breadth of knowledge having gained hands-on experience in a wide variety of industry roles and disciplines including, Quality Control (Microbiology and Chemistry), Sterile Fill Finish, Technical Development, Lyophilization Scale-up and Optimization, Technology Transfer, New Product Introduction and Extractable/Leachables.

Francis joined West in 2017 and currently works in a Specialist Technical Customer Support role supporting EU customers in all market units with technical assistance and guidance related to West products, processes and services.

Prior to joining West he worked for 12 years in Sanofi where he held various roles including Senior Development Scientist (focus areas: Technical transfer, Lyophilisation cycle modelling, design and scale-up using QbD principles, Extractable/Leachables and Solid state characterization of lyophilized biologics) and also as Senior Product Specialist (focus areas: Strategy and Delivery for commercialisation of new lyophilised products, Technical leadership and Lifecycle management).

Stefan Schneid is currently a laboratory head in the formulation development department at Bayer AG. In this function, he develops formulations and processes for novel biological entities and small molecules, and is involved in development projects from pre-clinical stage up to transfer to commercial production.

Previously Dr. Schneid worked as R&D Manager at Syntacoll GmbH in Saal, Germany, where he was responsible for the development of novel formulations and analytical methods for drug-containing biodegradable implants for parenteral application. Until 2010, he was a post-doctoral research fellow in the Freeze Drying Focus Group at the University of Erlangen, and spent one year as a visiting scientist in Prof. Michael Pikal's lab at the University of Connecticut.

Stefan Schneid holds a degree of pharmacy from the University of Munich, and received his Ph.D. in Pharmaceutics from the University of Erlangen in 2009 for his dissertation thesis titled "Investigation of Novel Process Analytical Technology (PAT) Tools for Use in Freeze-Drying Processes". He developed and optimized the formulation and manufacturing process of various predominantly lyophilized pharmaceuticals including proteins, peptides, vaccines and small molecules.

**SUMMIT NAME:** 4<sup>th</sup> Annual Pharmaceutical Lyophilization Summit 2022

**PROMO CODE:** \_\_\_\_\_

PACKAGE NAME	Register by 28.11.2021	Register by 28.12.2021	Standard price
Individual ticket - 2 Days	€1195 (save €500)	€1395 (save €300)	€1695
Group ticket - 2 Days (*2-3 delegates, per person)	€995 (save €600)	€1195 (save €400)	€1595
Group ticket - 2 Days (*4+ delegates, per person)	€795 (save €700)	€995 (save €500)	€1495
Online ticket - 2 Days (*per person)	€295 (save €200)	€395 (save €100)	€495
Online ticket - 2 Days (*NPO/Academic, per person)	€95 (save €200)	€195 (save €100)	€295
Documentation package			€495
Promotional materials distribution			€595
SPEAKER SPONSOR - €2495	POP UP STAND SPONSOR - €3495	BRONZE SPONSOR - €4995	SILVER SPONSOR - €6495
			GOLD SPONSOR - €7995

**CONFERENCE MATERIALS:**

All participation tickets, already contains complete conference materials distribution package, including - slide deck, list of participants and session recordings. You don't need to order an additional «Documentation Packages». Documentation package will be sent to the attendees within 72 hours after the event. The presentation content is subject to Speaker's Companies approval for distribution.

ATTENDEE DETAILS	1 <sup>ST</sup> ATTENDEE	2 <sup>ND</sup> ATTENDEE	3 <sup>RD</sup> ATTENDEE	4 <sup>TH</sup> ATTENDEE	5 <sup>TH</sup> ATTENDEE	6 <sup>TH</sup> ATTENDEE
Title:						
Name:						
Surname:						
Company:						
Country:						
Job Title:						
Direct phone:						
Email:						
Special Requirements: (If you have any special dietary requirements or other needs that would enhance your enjoyment of this summit, please specify)						

**INVOICE DETAILS:**

Title: \_\_\_\_\_ Name: \_\_\_\_\_ Surname: \_\_\_\_\_

Job Title: \_\_\_\_\_

Direct Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

Company: \_\_\_\_\_ Country: \_\_\_\_\_ City: \_\_\_\_\_ EU VAT #: \_\_\_\_\_

Address: \_\_\_\_\_ Postcode: \_\_\_\_\_

Payment Method:  Bank Transfer  Credit Card  Pay Pall

**TERMS & CONDITIONS:**

**REGISTRATION & PAYMENT**

Upon receiving the signed registration form, we will process your application. The registration confirmation and the invoice will be sent to you within one (1) working day with the relevant payment instructions and terms. The registration fee includes access to all sessions and conference materials. Payment is due 14 working days from the invoice date. Payment should be made by Credit Card, Pay Pall or by Bank Transfer. The delegate is responsible for any bank charges/fees associated with the payment.

**CANCELLATION & SUBSTITUTION POLICY**

You may substitute a delegate at any time and at no extra cost. Cancellations must be in a written notice. Cancellations made 30 days or more before the event start date will be refunded less than 50% of the registration fee. Cancellations made less than 30 days before the event start date will receive no refund. If you cannot attend an event due to illness or other unforeseen circumstances, you may transfer your delegate pass to another upcoming event within one year from original event start date.

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While all effort will be made to adhere to the advertised package, Qepler s.r.o. reserves the right to change event dates, sites or location, omit event features, or merge the event with another event as it deems necessary without penalty. In such situations no refunds, part refunds or alternative offers will be made. In the event that Qepler s.r.o. permanently cancels the event for any reason, and provided that the event is not postponed to a later date nor is merged with another event, you will receive a credit note or refund for 100% of the conference fee paid. Please note, Qepler s.r.o. will not be held liable for any accommodation or associated travel costs should the event be canceled or rescheduled.

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Date & Signature: \_\_\_\_\_  
«I agree to be bound by Terms and Conditions of registration»



## ONLINE PACKAGES:

If you are unable to attend, you may purchase these packages

PACKAGE NAME	PRICE
<b>DOCUMENTATION</b> (*if you have no plans to join the live conference) Post-event presentations with video records, list of participants and other materials. The presentation content is subject to speaker's companies approval for distribution.	€495
<b>PROMOTIONAL MATERIALS DISTRIBUTION</b> Distribution of your company's promotional materials to all attendees	€595

## SPONSORSHIP PACKAGES:

BENEFITS	SPEAKER €2495	POP UP STAND €3495	BRONZE €4995	SILVER €6495	GOLD €7995
Included passes	1	1	2	3	4
Additional company representatives registration fees	€1295	€1195	€1095	€995	€895
Pop up stand in the break area (3m wide x 3m height; includes 1 table, chairs, 1 electrical socket)		•	•		
Exhibition booth with LCD monitor for video presentations in the break area (3m wide x 3m deep; includes 1 table, chairs, 1 electrical socket)				•	•
Pull-up banner at the entrance to the auditorium (to be provided by sponsor)					•
Case Study	20 min		30 min	20 min	30 min
Workshop				40 min	60 min
Opening keynote presentation					15 min
Recognition in chairman's opening address	•	•	•	•	•
Opening & closing speech					•
Chairman of Day 1					•
Chairman of Day 2				•	
Logo and URL on summit website, agenda and pre/post-summit communication activities	•	•	•	•	•
Recognition on Qepler social media channels	•	•	•	•	•
Colour advert in placed in agenda			1/4 Page	1/2 Page	1 Page
Company flyer/brochure included in conference folder (to be provided by sponsor)			•	•	•
Online distribution of your company's promotional materials to all attendees			•	•	•
Lanyards for summit badges, notepads, pens and other promotional materials (max. 5) given to all participants and speakers (to be provided by sponsor)					•

## MARKETING CAMPAIGN

► Website ► Email Marketing ► Digital Advertising ► Social Marketing ► Press ► Direct Sales

## PARTICIPATION FEE

Fees are inclusive of the complete summit materials, online post-event documentation/presentation package, list of participants, video recordings, and certificate of participation.

## STREAMING

The online streaming link will be announced and sent to the delegates within a reasonable period before the summit start date.

## POST-EVENT DOCUMENTATION

Presentations and other materials will be sent to the attendees within 72 hours after the event. The presentation content is subject to speaker's companies approval for distribution.

## DISCOUNTS

Early booking discounts are not valid in conjunction with any other offers.



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