

# HOT TOPICS IN FREEZE DRYING OF PHARMACEUTICALS, VACCINES AND DIAGNOSTICS

16-17 JUNE, 2025

CAMBRIDGE, UNITED KINGDOM



UNIVERSITY OF  
CAMBRIDGE

## Seminar overview

Biopharma Group invites you to an immersive two-day training course at the prestigious West Hub, Cambridge University. This event brings together industry experts, researchers, and professionals to explore the latest advancements in freeze-drying, process development, and product analysis. Through expert-led sessions, hands-on demonstrations, and networking opportunities, attendees will gain invaluable insights into current trends and future innovations.

## Who should attend?

- ✓ Scientists and researchers in pharmaceuticals, biotechnology, and diagnostics
- ✓ Process development and manufacturing professionals
- ✓ Regulatory and quality assurance specialists

## What is covered in the price?



Over 9h of Freeze Drying Content



Biopharma Equipment Demonstration



Lunch & Refreshments



Tour of the Cambridge Centre for Medical Materials Facility



Time	Day 1: Innovations in Freeze-Drying and Scale-Up	Presenters
10:00 - 10:30	Registration and Coffee	
10:30 - 10:45	Welcome and Introduction	Dr Kevin Ward, Biopharma Group
10:45 - 11:30	<b>Session 1: New Technologies</b> A Novel Freeze-Drying System for Biological Materials	Dr Mario Morgado, 300K Solutions
11:30 - 12:00	Lyobeads for Diagnostics and Pharmaceuticals	Niloo Ganji, Biopharma Group
12:00 - 12:45	Lunch	
12:45 - 13:30	<b>Session 2: Non-Destructive Product Analysis</b> Visual Inspection of Freeze-Dried Products	Speaker TBC, ATS Life Sciences
13:30 - 14:45	Water Activity using Headspace Analysis - Regulations and Case Studies	Speaker TBC, Lighthouse Instruments
14:15 - 14:45	Refreshment Break	
14:45 - 15:30	<b>Session 3: Scale-Up and Tech Transfer</b> Challenges in Transferring Legacy Processes to a New Manufacturing Line	Speaker from Bio Products Laboratory
15:30 - 16:00	A Risk Management Approach to Lyo Cycle Robustness Study Design - Case Study	Speaker TBC
16:00 - 16:45	<b>Practical Sessions and Demonstrations: Part 1</b>	
	<b>Group A:</b> Tour of Cambridge Centre for Medical Materials Facility / Open Lab	Dr Dan Bax, Research Fellow, University of Cambridge
	<b>Group B:</b> Biopharma Equipment Demonstration	
16:45 - 17:00	Day 1 Final Q&A and Wrap-Up	

Time	Day 2: Advanced Formulations & Process Development	Presenters
9:00 - 9:45	<b>Session 4: Formulations and Presentations</b> Planning for Liquid and Lyo Formulations in Parallel	Dr Edmond Ekenlebie, Biopharma Group
9:45 - 10:30	Freeze-Drying of Peptides for Oral Delivery	Prof Abina Crean, University College Cork
10:30 - 11:00	Refreshment Break	
11:00 - 11:45	<b>Session 5: Approaches to Process Development</b> Adaptive Design of Experiments and Digital Twins for Process Development	Dr Marion McAfee, Atlantic Technological University
11:45 - 12:30	Challenges in Stabilisation of Innovative Biologicals	Speaker TBC from IBio IC, Glasgow
12:30 - 13:15	Lunch	
13:15 - 14:00	<b>Practical Sessions and Demonstrations: Part 2</b>	
	<b>Group A:</b> Tour of Cambridge Centre for Medical Materials Facility / Open Lab	Dr Dan Bax, Research Fellow, University of Cambridge
	<b>Group B:</b> Biopharma Equipment Demonstration	
14:00 - 14:30	Final Q&A, Wrap-Up and Take Home Messages	

\*\*Agenda and speakers are subject to change\*\*



### **Dr Kevin Ward**

Director of R&D at  
Biopharma Group



### **Dr Edmond Ekenlebie**

R&D Manager at  
Biopharma Group



### **Niloo Ganji**

Senior Scientist at  
Biopharma Group



### **Prof Abina Crean**

Professor of Pharmaceutics  
at University College Cork



### **Mario Morgado**

CTO & Co-Founder at  
300K Solutions



### **Dr Marion McAfee**

Senior Lecturer in  
Engineering at Atlantic  
Technological University

## **Registration**

Use our online form to register for this training courses. We will contact you to confirm payment details, number of attendees and course choice.

Please note that multiple bookings from the same organisation can qualify for a discount, contact us for more details.

## **Accomodation**

Please note that the cost of accommodation is not included in the course fee and that bedroom bookings must be made by the participants. A list of local hotels will be provided with the registration confirmation.

**Cost: £695**

## **Contact us**

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**BOOK YOUR SPOT**

