



Temperature Controlled Logistics
in Biopharmaceuticals **EU**

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ARENA
INTERNATIONAL EVENTS GROUP

Temperature Controlled Logistics in Biopharmaceuticals Europe

6th-7th March 2024 | Barcelona
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Join us for this two day in person event for industry leading updates on a series of topics around temperature-controlled logistics. This will include how to avoid excursions, using data to monitor temperatures, shipping products at deep frozen temperatures and how your peers are coping with new regulations affecting clinical and commercial temperature controlled supply chains around Europe.

2024 Speakers

Mark Senior, Materials Manager, **AbbVie**

Silvana Furfaro, QA/RA Manager and PRRC, **Arrow Diagnostics**

Luiz Barberini, Head of External Manufacturing, Latin America, **Bayer**

Chris Wallace, Former Senior Vice President, Supply Chain, **Clover Biopharmaceuticals**

Marc Evrard, Logistics Quality Lead, **CSL Vifor**

Ana-Zeralda Canals Hamann, Senior Clinical Trial Supply Manager, **Debiopharm**

Tobias Riedl, Head of Supply Chain, New Markets, **Dr Reddy's Laboratories**

Kamal Amin, Head of Clinical Supplies Management, **Galderma**

Sonia Ben Hamida, Head of Special Cargo Operations, Safety and Security, Cargo, **IATA**

John Sandford, Associate Director, Quality Assurance and Logistics Responsible Person Ireland and UK,
Immunocore

Gianpiero Lorusso, Director, Head of Global Upstream Logistics, **Merck**

Patrick Pichler, Director, Head of Distribution Quality, **Merck**

Ana Martinez Lozano, Associate Director, D&L Quality EMEA, **MSD**

Dan Palty, Director, Supply Chain and Project Management, **NeuroDerm**

Doris Cadart, Cell and Gene Therapy Supply Project Manager, **Sanofi**

Vickram Srivastava, Head of Planning, Global Supply Chain, **Sun Pharma**

Ingrid Lux, Head, Quality Disposition, **Takeda**

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Temperature Controlled Logistics in Biopharmaceuticals Europe

Barcelona

6th-7th March 2024

DAY ONE – WEDNESDAY 6TH MARCH 2024

7:30	Registration and refreshments
8:15	Chairperson's opening remarks Chris Wallace , Former Senior Vice President, Supply Chain, Clover Biopharmaceuticals
8:30	Building a strong relationship with your cold chain suppliers: secrets to success <ul style="list-style-type: none">Common hurdles and pain points in cold chain logistics and how to work collaboratively with vendors and suppliers in order to overcome theseOperating temperature controlled supply chains internationally and working with vendors in different regions: what do you need to consider?Choosing and working with the right vendors in order to minimise the risk of temperature deviations or excursions Luiz Barberini , Head of External Manufacturing, Latin America, Bayer
9:00	Available for featured sponsor
9:30	Making use of real time temperature monitoring for end to end supply chain visibility <ul style="list-style-type: none">Real time monitoring as a crucial tool to ensure the success of temperature controlled supply chains: an overview of opportunities and potential risks when utilizing thisSuccessfully integrating real time monitoring with current temperature controlled systems while minimizing costIncorporating real time monitoring alongside other tools in order to minimize risk around temperature excursions and improve the overall efficiency of your supply chain for temperature sensitive drugs Gianpiero Lorusso , Director, Head of Global Upstream Logistics, Merck
10:00	CASE STUDY: Ensuring safety and quality for direct-to-patient shipments of temperature sensitive drugs <ul style="list-style-type: none">Additional challenges presented when shipping temperature sensitive products directly to patients' homes: understanding the main pain points and risk factorsIncorporating patient-friendly packaging and labelling solutions particularly when shipping to elderly or vulnerable populations: how can you ensure clear communication and instructions for these patients?Delivering drugs to patients in remote areas: where are the weak links in the supply chain and how can you minimise the risk of temperature excursions?Legal and regulatory requirements for direct to patient in Europe: what do you need to know and how does this apply to temperature sensitive shipments?
10:30	Morning refreshments and networking

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11:00	<p>Climate change and temperature control: preparing your systems to handle extreme temperature changes</p> <ul style="list-style-type: none"> • Extra precautions to control and monitor temperature excursions during heatwaves • The impact of climate change on temperature control systems in pharma: what solutions are available in order to mitigate risk to products? • Preparing shippers for increased temperatures: key considerations when shipping in Europe • How the environment and climate change impacts the way we ship temperature sensitive drug products <p>Silvana Furfaro, QA/RA Manager and PRRC, Arrow Diagnostics</p>
11:30	Reserved for T-safe
12:00	<p>PANEL DISCUSSION: Collaborating across the industry: how can pharma companies work together more efficiently to improve temperature controlled supply chain processes?</p> <ul style="list-style-type: none"> • Sharing data around routing, supplier performance and lane KPIs: would this benefit pharma companies? • Simplifying and streamlining processes through data sharing rather than starting from scratch and the impact this could have on supply chain efficiency • Where else are there opportunities for increased collaboration between companies shipping and transporting temperature sensitive drugs? • Historic data, information and resources that could be used to benefit the industry as a whole: what is available? • Tools and technology to improve collaboration and information sharing in temperature controlled logistics <p>PANELLISTS: Patrick Pichler, Director, Head of Distribution Quality, Merck Marc Evrard, Logistics Quality Lead, CSL Vifor Ana-Zeralda Canals Hamann, Senior Clinical Trial Supply Manager, Debiopharm</p>
12:30	Reserved for ELPRO
13:00	Lunch and networking
14:00	<p>Updates to IATA Temperature Control Regulations and best practice for temperature-controlled airfreight global logistics</p> <ul style="list-style-type: none"> • Providing an update on latest changes to IATA Temperature Control Regulations • Discussing time and temperature sensitive labelling and packaging • Reviewing the acceptance checklist for time sensitive shipments • Highlighting best practice and lessons learned for the sponsor perspective <p>Sonia Ben Hamida, Head of Special Cargo Operations, Safety and Security, Cargo, IATA</p>

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14:30	<i>Session available for sponsor</i>
15:00	Tips and tricks: mitigating the risk and impact of temperature excursions <ul style="list-style-type: none"> Taking steps to minimise the possibility of a temperature excursion: what should you be doing? Incorporating monitoring technology in order to ensure all excursions are responded to in a timely manner and how this can reduce drug waste Assessing the impact of a temperature excursion on drugs using stability and other data Ana-Zeralda Canals Hamann , Senior Clinical Trial Supply Manager, Debiopharm
15:30	Afternoon refreshments and networking
15:55	EXHIBITION APPLE PRIZE DRAW <i>Visit our exhibitors' booths throughout the day and collect stamps in order to enter our Prize Draw and be in for a chance of winning Apple devices or Amazon vouchers. The Prize Draw will take place in the Exhibition Hall, make sure you don't miss out!</i>
16:00	CASE STUDY: Cold chain challenges during a complex Phase 3 study <ul style="list-style-type: none"> Setting up infrastructure for temperature controlled logistics in a clinical trial Key pain points and challenges: what worked, what didn't, and lessons learned Implementing innovative solutions to manage cold chain challenges in clinical supply chains Dan Palty , Director, Supply Chain and Project Management, NeuroDerm
16:30	Product specific temperature requirements: key considerations and best practice <ul style="list-style-type: none"> Creating and consolidating information of transport and storing conditions for planners, freight forwarders and quality teams to refer back to Regulatory requirements to be condensed into the rigors and rules of SAP Connecting SAP to practical needs of real life and business Lessons learned: human skills and weaknesses in true battle with IT clarity Pending confirmation: Ingrid Lux , Head, Quality Disposition, Takeda
17:00	Storage and warehousing of temperature sensitive pharmaceutical products: maintaining quality and drug safety <ul style="list-style-type: none"> Considerations for containers and packaging materials when storing temperature sensitive drugs Quality assurance guidelines in Ireland and the UK and how to navigate these Developing and implementing quality processes for storage and warehousing to avoid temperature excursions and ensure safety of temperature sensitive drug products John Sandford , Associate Director, Quality Assurance and Logistics Responsible Person Ireland and UK, Immunocore
END OF DAY 1 AND NETWORKING DRINKS	

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DAY TWO – THURSDAY 7TH MARCH 2024

8:00	Registration and refreshments
8:55	Chairperson's opening remarks Chris Wallace , Former Senior Vice President, Supply Chain, Clover Biopharmaceuticals
9:00	Quality processes in temperature controlled logistics: ensuring processes are efficient without compromising quality <ul style="list-style-type: none"> How new technology, processes and methodologies can be used to enhance efficiency of temperature controlled supply chains and the impact of these on drug quality Quality and compliance of temperature sensitive drugs in the EU: updates on regulations and guidelines Where are the key opportunities to further streamline supply chain operations for temperature controlled logistics and how can you avoid impact on quality? Ana Martinez Lozano , Associate Director, D&L Quality EMEA, MSD
9:30	Artificial intelligence: what opportunities are there to incorporate this into temperature controlled logistics? <ul style="list-style-type: none"> How can tools such as Chat GPT be applied to temperature controlled logistics in pharma supply chains? Using data driven technologies such as AI to streamline operations and increase efficiency Real life examples: where is AI being used in temperature sensitive supply chains outside of the industry and how can this be applied to pharma?
10:00	PANEL DISCUSSION: Cold chain and the sustainability agenda: how to minimise your environmental impact <ul style="list-style-type: none"> Weighing up the benefits of passive and active containers: what options are most eco-friendly? Opportunities for incorporating recyclable materials into the temperature controlled pharma supply chain Balancing sustainability against the need to maintain quality and minimise the risk of excursions Meeting internal and external targets for sustainability: where are the key areas of opportunity beyond changing packaging materials? Considering cost and budget friendly options to reduce environmental impact of cold chain logistics in pharma PANELLISTS: Luiz Barberini , Head of External Manufacturing, Latin America, Bayer Tobias Riedl , Head of Supply Chain, New Markets, Dr Reddy's Laboratories Vickram Srivastava , Head of Planning, Global Supply Chain, Sun Pharma
10:30	The challenge of Africa: ensuring quality and integrity of temperature sensitive products <ul style="list-style-type: none"> Controlling temperature in countries with low levels of infrastructure: what options are available? Storage and warehousing of temperature sensitive products: handling risk around power outages in hot countries Reaching remote, rural areas of Africa: how to ensure your product stays intact to avoid risk to drugs and patients
11:00	Morning refreshments and networking

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11:30	<p>FIRESIDE CHAT: Optimising logistics and operations for temperature controlled clinical supply chains</p> <ul style="list-style-type: none"> Choosing and working with vendors in clinical supply management for temperature sensitive drugs: how can you ensure you set yourself up for success? Effective forecasting and planning for temperature controlled supply chains in order to streamline processes and reduce drug waste Key pain points for clinical supply chains and how this differs from commercial shipments: overcoming challenges when shipping temperature sensitive drugs both in and out of the EU <p>Chris Wallace, Former Senior Vice President, Supply Chain, Clover Biopharmaceuticals Kamal Amin, Head of Clinical Supplies Management, Galderma</p>
12:00	<p>CASE STUDY: Temperature controlled logistics for cell and gene therapy: challenges and lessons learned</p> <ul style="list-style-type: none"> Coping with low and deep frozen temperatures: an overview of challenges and how these were overcome Building capabilities and infrastructure for end to end supply chain logistics in cell and gene therapy: what was effective and what was not? Choosing packaging, Temperature monitoring and cooling systems at deep frozen temperatures: how do you maintain a product's temperature at minus 80 and minus 196 degrees? Acquiring stability data quickly and effectively in order to be able to increase temperatures safely <p>Doris Cadart, Cell and Gene Therapy Supply Project Manager, Sanofi</p>
12:30	<p>Choosing temperature-controlled packaging materials to suit your product</p> <ul style="list-style-type: none"> Balancing cost and quality in packaging selection processes ESG and packaging: key considerations to ensure your packaging is environmentally friendly Identifying risks around packaging materials and mitigating against these <p>Mark Senior, Materials Manager, AbbVie</p>
13:00	Lunch and networking
13:55	<p>EXHIBITION APPLE PRIZE DRAW</p> <p><i>Visit our exhibitors' booths throughout the day and collect stamps in order to enter our Prize Draw and be in for a chance of winning Apple devices or Amazon vouchers. The Prize Draw will take place in the Exhibition Hall, make sure you don't miss out!</i></p>
14:00	<p>PROBLEM-SOLVING ROUNDTABLE DISCUSSIONS</p> <p><i>During the roundtable discussion session, the conference hall will be divided into three 'zones'. Delegates can choose which zone they would like to join. Each zone will be led by a table moderator and will focus on a different challenge within temperature controlled logistics.</i></p>
	<p>ROUNDTABLE 1: Managing budgets and minimising costs in temperature controlled commercial supply chains</p> <p>Vickram Srivastava, Head of Planning, Global Supply Chain, Sun Pharma</p>
	<p>ROUNDTABLE 2: Monitoring and mitigating the impact of temperature excursions in supply chains</p>

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	ROUNDTABLE 3: Handling quality and compliance issues in temperature controlled logistics within the EU Chris Wallace , Former Senior Vice President, Supply Chain, Clover Biopharmaceuticals
15:30	END OF CONFERENCE

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Additional topic suggestions:

Exploring the potential of data-driven technologies for temperature control in pharma supply chains

- Blockchain, artificial intelligence and machine learning: where are the main opportunities?
- Building the expertise and infrastructure to effectively leverage data driven technologies for temperature control
- Assessing the potential impact of AI tools such as ChatGPT in supporting clinical and commercial pharma cold chain

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