



Temperature Controlled Logistics
in Biopharmaceuticals **EU**

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ARENA
INTERNATIONAL EVENTS GROUP

Temperature Controlled Logistics in Biopharmaceuticals Europe

15th-16th March 2023 | Milan, Italy
www.arena-international.com/pharmatemp

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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 updates on key industry regulations, how to avoid excursions, using data to monitor temperatures and how your peers are coping with transportation challenges affecting the supply chain.

2023 Speakers

KEYNOTE SPEAKERS

Dr. Wasif Azeem, Senior Director JP Global Quality, **Jamjoom Pharma**

Gianpiero Lorusso, Director, Head of Global Upstream Logistics, Supply Network Operations, Global Healthcare Operations, **Merck**

Dr. Kamal Amin, Head Of Clinical Supplies Management, **Galderma**

DISTINGUISHED SPEAKERS

Ana Martinez Lozano, Associate Director Distribution & Logistics Quality EMEA Lead, **MSD**

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

Stefania Alvino, Omnichannel Marketing Manager & Digital Orchestrator (HAT) - Specialty Division, **Daiichi Sankyo**

Francesca Burberi, Associate Director Six Sigma Projects, **Eli Lilly**

Gerardo De Pasquale, Sr. Associate-TSMS Logistic, TS/MS Packaging & Device, **Eli Lilly**

Clément Grenier, Clinical Supply Project Operational Leader, **Sanofi**

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

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

Marco Del Giudice, CEIV Auditor, Co-Founder and VP, **PharmacomItalia**

Paolo Acquafondata, Vice President and Co-founder, PharmacomItalia and Global Lead Auditing & Compliance, **UCB Pharma**

Stefan Lutzmayer, PhD, Consultant, **IQVIA EMEA Thought Leadership**

Assil Mohebbi, Proposal Manager, **T°Safe**

Jeroen van Loo, Global Business Manager, **ELPRO Global**

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DAY ONE – WEDNESDAY 15TH MARCH 2023

7:30	Registration and refreshments
8:20	Chairperson's opening remarks <i>Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</i>
8:30	Opening keynote: End-to-end cold chain integrity – challenges, regulatory expectations & mitigation for business sustainability <ul style="list-style-type: none">• Quality management strategies for end-to-end cold chain integrity• Commitment for compliance of cold chain regulations• Collaboration with partners / third parties for effective working relationship• Handling of non-conformity / temperature excursion• Cold chain risk mitigation / minimization for business sustainability <i>Confirmed: Dr. Wasif Azeem, Senior Director JP Global Quality, Jamjoom Pharma</i>
9:00	Event sponsor presentation
09:30	GMP and GDP regulations – understanding your requirements <ul style="list-style-type: none">• Update on key regulations• New compliance requirements• Best practice on measuring KPIs to ensure compliance <i>Confirmed: Ana Martinez Lozano, Associate Director Distribution & Logistics Quality EMEA Lead, MSD</i>
10:00	Reserved for T°Safe <i>Assil Mohebbi, Proposal Manager, T°Safe</i>
10:30	Morning refreshments and networking
11:15	IATA: Important changes in the 2023 Temperature Control Regulations (TCR) <ul style="list-style-type: none">• What is new in the latest edition of the Temperature Control Regulations (TCR)• New requirements when shipping compliant temperature-sensitive products• Accessing up-to-date carrier and government regulations• Understanding regulatory packaging requirements• Documentation required before you ship <i>Confirmed: Sonia Ben Hamida, PhD, Head of Special Cargo Operations, Safety and Security – Cargo, IATA</i>
11:45	Temperature control: Biopharma supply chain challenges data management can solve <ul style="list-style-type: none">• Real time, bluetooth - stay connected with your deliveries in transit• Data management – have all information available when you need it• Process automation – make your temperature control solutions more efficient and

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	<ul style="list-style-type: none"> • Connected systems API – integrate temperature control in your IT landscape • End-to-end visibility – join data of different distribution legs to one full picture <p><i>Confirmed: Jeroen van Loo, Global Business Manager, ELPRO Global</i></p>
12:15	<p>Keynote: Reducing the risk of temperature deviations and excursions in the cold chain</p> <ul style="list-style-type: none"> • Identifying risks in the cold chain • Minimising and avoiding temperature excursions • Utilising temperature monitoring and risk management technologies • Risk management strategies for temperature controlled logistics <p><i>Confirmed: Gianpiero Lorusso, Director, Head of Global Upstream Logistics, Supply Network Operations, Global Healthcare Operations, Merck</i></p>
12:45	Event sponsor presentation
13:15	Lunch and networking
14:30	<p>How Artificial Intelligence (AI) will transform the pharmaceutical cold chain and temperature controlled logistics</p> <ul style="list-style-type: none"> • Utilizing machine learning to generate predictive data • Using data to deal with environmental hazards in the biopharmaceutical cold chain cycle • Understanding the potential of blockchain technologies and how they work <p><i>Confirmed: Stefania Alvino, Omnichannel Marketing Manager & Digital Orchestrator (HAT) - Specialty Division, Daiichi Sankyo</i></p>
15:00	Event sponsor presentation
15:30	<p>Lilly Sesto experience during pandemic period: new opportunities from complicated scenarios</p> <ul style="list-style-type: none"> • The crisis of refrigerated shipments towards Chinese market • New solutions can come from classical ones: feasibility studies • Global for local and local for global • How can we face new dramatic scenarios? Lessons learnt <p><i>Confirmed: Gerardo De Pasquale, Sr. Associate-TSMS Logistic, TS/MS Packaging & Device, Eli Lilly</i></p>
16:10	Afternoon refreshments and networking
16:40	<p>Panel discussion: Best practice strategies for regulatory compliance</p> <ul style="list-style-type: none"> • Understanding your regulatory requirements in temperature controlled logistics • Ensuring product integrity in international logistics and national distribution • The key role associations play in developing best practice strategies for temperature controlled logistics • Resources available at IATA, PharmacomItalia and other key industry associations • How pharma companies can work with associations to ensure regulatory compliance <p><u>Panel moderator</u> <i>Confirmed: Marco Del Giudice, CEIV Auditor, Co Founder and VP, PharmacomItalia</i></p> <p><u>Panellists</u> <i>Confirmed: Francesca Burberi, Associate Director Six Sigma Projects, Eli Lilly</i> <i>Confirmed: Paolo Acquafondata, Vice President and Co-founder, PharmacomItalia and Global Lead Auditing & Compliance, UCB Pharma</i> <i>Confirmed: Sonia Ben Hamida, PhD, Head of Special Cargo Operations, Safety and Security – Cargo, IATA</i></p>

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17:20	Chairperson's closing remarks <i>Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</i>
17:40	Drinks reception sponsored by IQVIA

NETWORKING DRINKS SPONSORED BY IQVIA

DAY TWO – THURSDAY 16TH MARCH 2023

8:00	Registration and refreshments
8:50	Chairperson's opening remarks <i>Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</i>
9:00	Case study: Dealing with a sudden, unexpected and remarkable increase in demand for frozen In-Vitro Diagnostics (IVD) during the Covid-19 pandemic <ul style="list-style-type: none">• How we overcame significant challenges working with frozen IVD products during the COVID-19 pandemic• Improvement of logistic activities due to the impact of increasing demand• Hands-on insights: Working with refrigerated containers when flight- transporting big amounts of frozen IVD products• Inbound and outbounds activities with frozen IVD diagnostics products• How we have ensured a high level of quality during emergency moments <i>Confirmed: Silvana Furfaro, QA/RA Manager, Arrow Diagnostics</i>
9:30	Event sponsor presentation
10:00	Panel discussion: Best practice transportation and logistics - cost efficient and reliable transportation solutions <ul style="list-style-type: none">• Best Practice: Ensure the safe delivery of goods that require temperature control• Benefits of air transportation<ul style="list-style-type: none">- Geographical challenges and shipment times- Reduction of time-to-market• Considerations you need to make when choosing service providers• Working with Air, Road and Sea transportation

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	<p><u>Panel moderator</u> Confirmed: Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</p> <p><u>Panellists</u> Confirmed: Ana Martinez Lozano, Associate Director Distribution & Logistics Quality EMEA Lead, MSD Confirmed: Dr. Wasif Azeem, Senior Director JP Global Quality, Jamjoom Pharma Confirmed: Gianpiero Lorusso, Director, Head of Global Upstream Logistics, Supply Network Operations, Global Healthcare Operations, Merck</p>
10:30	Event sponsor presentation
11:00	Morning refreshments and networking
11:30	<p>Keynote interview Fireside Chat: How the cold chain industry is evolving and implications for temperature controlled logistics</p> <ul style="list-style-type: none"> • Industry trends and developments in cold chain and temperature controlled logistics • The current and future regulatory landscape and the cost of compliance • How are emerging technologies changing supply chain and logistics functions • Thoughts on Cold Chain as a Service (CCaaS): Is outsourcing a viable solution? • Preparing for the future - temperature controlled logistics industry predictions <p>Interviewer: Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals Interviewee: Dr. Kamal Amin, Head Of Clinical Supplies Management, Galderma</p>
12:00	Event sponsor presentation
12:30	<p>Panel discussion: Outsourcing storage and distribution of your temperature sensitive products</p> <ul style="list-style-type: none"> • Outsourcing distribution needs to a single global provider • Optimising supply chain efficiency and minimising risk • Attaining assurance that your products will be warehoused and handled to the highest standards of quality and regulatory compliance • Fully automated services allowing you to monitor your inventory continuously <p><u>Panel moderator</u> Confirmed: Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</p> <p><u>Panellists</u> Confirmed: Gerardo De Pasquale, Sr. Associate-TSMS Logistic, TS/MS Packaging & Device, Eli Lilly Confirmed: Clément Grenier, Clinical Supply Project Operational Leader, Sanofi</p>
13:00	<p>Pharma's frozen assets: Cold chain medicines</p> <ul style="list-style-type: none"> • Pharma's energy challenge • Pharmaceutical cold chain market definition • Developments in the cold chain market • Outlook and implications for pharma and their logistics partners <p>Confirmed: Stefan Lutzmayer, PhD, Consultant, IQVIA EMEA Thought Leadership</p>
13:30	Lunch and networking

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	<p>PROBLEM-SOLVING ROUNDTABLE DISCUSSIONS <i>During the roundtable discussion session, the conference hall will be divided into two '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 clinical trial supply. After 45 minutes, delegates will have the opportunity to swap and choose a different table, and each roundtable will run twice.</i></p>
14:30	<p>Roundtable 1: Dealing with challenges at customs and border control when transporting temperature sensitive products</p>
	<p>Roundtable 2: Working with frozen and deep-frozen products</p>
	<p>Roundtable 3: User insights - logistical challenges with air, road and sea transportation</p>
16:00	<p>Chairperson's closing remarks Chris Wallace, Former Senior Vice President Supply Chain, Clover Biopharmaceuticals</p>
<p>END OF CONFERENCE</p>	

Additional topic suggestions:

Supercooling solutions for frozen and deep frozen products

- The need for frozen and deep frozen solutions post Covid-19
- Shipping challenges when transporting products using dry ice
- Shipping challenges when transporting deep frozen products
- Temperature monitoring solutions for frozen and deep frozen products
- Maintaining the correct temperature when transporting to destinations outside of the EU

Cold Chain transportation: Industry leading carrier services

- Delivering reliable shipments from pickup to delivery
- How specially trained temperature-control services team handle your temperature-sensitive shipments
- Using hard-copy temperature documentation to provide a compliant audit trail and facilitate regulatory compliance
- Shipment tracking from pickup to delivery

The latest in sustainable cold chain packaging

- Reusable, recyclable and eco-friendly packaging
- Reviewing how consumers are driving change in sustainable packaging through their purchase preferences
- Packaging sourced and manufactured using renewable energy
- Innovative packaging designed to optimize materials, energy and costs

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Cold Chain as a Service (CCaaS): Is outsourcing a viable solution?

- New products entering the market that will require cold chain
- Technology and infrastructure required to ensure zero excursions
- Benefits of CCaaS: Delivering an unbroken chain
- Understanding what's involved in implementing and adopting CCaaS practices
- Reviewing case studies: Successfully implementing CCaaS

Case study: Working with frozen and deep-frozen products

- Understanding the challenges when working with frozen and deep-frozen products
- Analysing the unique logistics requirements for frozen and deep-frozen products
- Hands-on insights: Working with dry ice when transporting frozen products
- The impact of CO2 on dry ice and cryogenic vials
- Dealing with radiation for pharmaceutical products and temperature control

Analysing the key benefits of real-time temperature monitoring

- The latest in automatic temperature monitoring
- How to effectively use temperature monitoring technologies in your cold chain
- Gain complete visibility of your temperature management
- Access appliance temperatures via a cloud dashboard anytime and from anywhere
- Access real-time data from all locations and on any device

Case Study: Digitising temperature controlled logistics – innovative solutions and benefits

- How the digital supply chain could potentially work
- Exploring the benefits and efficiencies that can be derived
- Understanding how a blockchain-based system would work
- Accessing real-time data on the condition of temperature-critical products
- Utilising sensors and telematics to gain access to updates in real time
- Building a better audit trail for compliance
- Understanding how end-to-end visibility can be achieved through digitisation

Employing a digital supply chain for temperature controlled logistics

- Utilizing digital technologies to aid production and distribution
- Using real-time data to increase the accuracy of our forecasting and enable real-time decision-making
- Using AI, machine learning, sensors, and analytics to automate large parts of our manufacturing and logistics processes

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