



**2022 PDA Parenteral Packaging Conference**  
*Preparing for the Future: Innovating Packaging Technologies*  
 Basel/Switzerland  
 02-03 June 2022

<b>Thursday, 02 June 2022</b>		<b>09:00 – 18:00</b>
09:00	Welcome and Introduction	Falk Klar, <i>PDA</i> Roman Mathaes, <i>LONZA</i> Bettine Boltres, <i>WEST</i>
09:15	Opening Keynote: Parenteral Packaging: Big Picture Trends in Pharma	Ulla Grauschopf, <i>Roche</i>
<b>Opening Plenary</b> <b>A Status Update from the Parenteral Packaging Industry</b>		<b>Moderator:</b> Roman Mathaes, <i>LONZA</i>
Hear the opening keynote presentation about innovation in the primary packaging ecosystem and an update on the regulatory landscape around the globe.		
09:45	Regulatory Perspectives on Sterile Drug Packaging Quality	David Jaworski, <i>Consultant for the U.S. FDA</i>
10:15	Manufacturing of Pandemic Vaccines – Manufacturing Solutions Enabling the Delivery of Large Numbers of Vaccine Doses	Guido Dietrich, <i>CEPI/COVAX</i>
<b>10:45</b>	<b>Coffee Break, Poster Session &amp; Exhibition</b>	
11:15	Pharma Manufacturing Wish List for Primary Containers	Jack Gill, <i>Pfizer</i>
11:45	Introducing PDA Technical Report 87	Bettine Boltres, <i>WEST</i>
12:00	Interactive Questionnaire Session	
12:15	Q&A, Panel Discussion	<b>Moderator:</b> Roman Mathaes, <i>LONZA</i>



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<b>13:00</b>	<b>Lunch Break, Poster Session &amp; Exhibition</b>			
<b>13:45</b>	<b>LIVE Guided Poster Walk</b> Engage with our Poster Presenters in our Exhibition Hall			
<b>Session 1</b>	<b>Track A</b> <b>Advancing Packaging Solutions</b>	<b>Moderator:</b> Bram Jongen, <i>Datwyler</i>	<b>Track B</b> <b>Traceability</b>	<b>Moderator:</b> Galen Shi, <i>Eli Lilly &amp; Company</i>
This session will explore three advanced packaging solutions. From innovative labels to prevent occupational exposure to antineoplastic drugs, over labels to support the current sustainability focus to coatings for crack prevention.			Next-generation container closures and delivery devices call for consideration of digital tracking capability such as unit-level traceability. This would provide benefits in preventing product mix-up, identification of product lots implicated with quality issues, as well as anti-counterfeiting.	
14:15	Evaluation of the Utility of Vial Packaging to Reduce Occupational Exposure to Antineoplastic Drugs in Preventing Breakages and Scattering	Takahiro Suzuki, <i>Tohoku University on behalf of Iwata Label</i>	Unit Level Syringe Identification & Traceability	Herve Soukiassian, <i>BD</i>
14:40	How Can the Choice of Label Positively Impact the Sustainability and Recyclability of Pharmaceutical Packaging	Anniina Kujala and Lottie Anderson, <i>UPM Raflatac</i>	Medical Device Tracking -- Seamless Traceability for Maximum Patient Safety	Georg Schick, <i>Uhlmann</i>
15:05	Assessment of Coating Effect on Vial Crack Response	James E. Webb and Alicia Gallagher, <i>Corning Incorporated</i>	Delivering Unit Level Process Visibility in Parenteral Fill-Finish and All Other Manufacturing Processes	Ralf Wagner, <i>Optima</i> Tod Urquhart, <i>Eagas</i>
15:30	Q&A, Discussion	<b>Moderator:</b> Bram Jongen, <i>Datwyler</i>	Q&A, Discussion	<b>Moderator:</b> Galen Shi, <i>Eli</i>



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				Lilly & Company
<b>16:00</b>	<b>Coffee Break, Poster Session &amp; Exhibition</b>			
<b>Session 2</b>	<b>Track A</b> <b>Drug Administration</b>	<b>Moderator:</b> Derek Duncan, <i>LIGHTHOUSE Instruments</i>	<b>Track B</b> <b>Fill &amp; Finish / Manufacturing</b>	<b>Moderator:</b> Bram Jongen, <i>Datwyler</i>
Session featuring presentation and case study highlighting the interaction of drug product with Closed System Drug Transfer Devices (CSTDs) and enabling drug administration at home using vial adaptors.			Don't let your fill & finish be the weakest link in the supply chain! Gain more insights into today's challenges of the different primary packaging configurations and see how the future can look like using No Touch Transfer concepts!	
16:30	Impact of Closed System Drug Transfer Devices (CSTDs) on Administered ADC Quality	Matthias Winzer, <i>Merck KGaA</i>	Primary Packaging Container and Handling During Fill & Finish Processes	Rainer Glöckler, <i>Swissfillon – a ten23 health Company</i>
17:00	Comprehensive Risk Assessment for the Interconnection of Closed-System Drug Transfer Devices and Vial Container Closure Systems	Ryan Forrey, <i>BD</i>	End-To-End Qualification of Ready to Use (RTU) Product Containers in Packaging Suitable for NTT: No-Touch-Transfer into Grade a Filling Zones	Holger Kranenburg, <i>Franz Ziel &amp; Robert Lindner, SCHOTT</i>
17:30	Q&A, Discussion	<b>Moderator:</b> Derek Duncan, <i>LIGHTHOUSE Instruments</i>	Q&A, Discussion	<b>Moderator:</b> Bram Jongen, <i>Datwyler</i>
<b>18:00</b>	<b>End of Conference Day 1 &amp; Networking Event</b>			



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**Friday, 03 June 2022** **09:00 – 16:30**

08:00	<b>Early Career Professionals - Morning Coffee Chat with the Old Schools</b>  Meet our PDA veterans at the conference foyer and get first-hand information on how you can expand your network, boost your career, and participate in shaping the future of our industry!		Bettine Boltres, <i>WEST</i> Roman Mathaes, <i>LONZA</i> Falk Klar, <i>PDA Europe</i>	
<b>Session 3</b>	<b>Track A</b>  <b>Primary Container Selection for Specific Products</b>	<b>Moderator:</b> Robert Guidos, <i>Corning Incorporated</i>	<b>Track B</b>  <b>Cold Storage</b>	<b>Moderator:</b> Folker Steden, <i>SCHOTT</i>
Choosing the right packaging is critical to protecting a drug product's identity, strength, purity, quality, and safety. Come join us as we continue to understand interactions between drug products and specific packaging types and how such understanding can help guide package selection.			Large molecule temperature-sensitive pharmaceuticals often require high-tech equipment and packaging material for cold storage to prevent them from disintegration. A so-called cold chain is needed – A temperature-controlled supply chain, which is required to preserve and maintain perishable pharmaceutical products. Join our session to learn more about the impact on different materials (glass, organics) and the resulting chemical properties of these materials at low and very low storage temperatures.	
09:00	Case Study: Protein Adsorption /Aggregation on Glass and Polymer Surfaces	Liang Fang, <i>WEST</i>	Influence of Freezing Storage Condition on Glass Syringe Performance	Silvia Gallina & Marco Povolo, <i>Stevanato Group</i>
09:30	Pre-filled Syringe Silicone Loading: Quantifying the Functional Impact of Homogeneity Variations	Ugljesa Babic, <i>SCHOTT</i>	Low-Temperature Storage Extractables and Leachables Considerations	Ina Pahl, <i>Sartorius Stedim</i>



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10:00	Q&A, Discussion	<b>Moderator:</b> Robert Guidos, <i>Corning Incorporated</i>	Q&A, Discussion	<b>Moderator:</b> Folker Steden, <i>SCHOTT</i>
<b>10:30</b>	<b>Coffee Break, Poster Session &amp; Exhibition</b>			
<b>Session 4</b>	<b>Track A</b> <b>Container – Drug Interactions</b>	<b>Moderator:</b> Roman Mathaes, <i>LONZA</i>	<b>Track B</b> <b>Container Closure Integrity</b>	<b>Moderator:</b> Derek Duncan, <i>LIGHTHOUSE Instruments</i>
Come join us as we learn about selecting the appropriate container material for complex drug product formulations in order to reduce potential drug-container interactions. We'll cover mRNA-based, lyophilized, and high pH drug product formulations.		Best practices for addressing container closure integrity (CCI) have evolved in recent years. Please join this session to get insight into evolving regulatory expectations for CCI and ways the industry is responding to the changing CCI landscape.		
11:00	Choosing the Right Container for mRNA drugs	Sven Pohle, <i>SCHOTT</i>	Updates on the Container Closure Guideline	Patricia Hughes, <i>U.S. FDA</i>
11:25	The Necessity of Extractable & Leachable Qualifications for Lyophilized Drug Products: Some Misconceptions Addressed	Sona Kovackova, <i>Nelson Labs</i>	Use of X-Ray Computerized Tomography to Study Porosity, Roughness, and Contact Problems in Medical Container's Elastomeric Components	Tudor Agape-Comsa, <i>BD</i>
11:50	Extended Drug Stability for High pH – Superior Leachables Results for Dissolved Glass Elements	Diana Löber, <i>SCHOTT</i>	Challenges in Container Closure Development	Coralie Richard, <i>Eli Lilly &amp; Company</i>
12:15	Q&A, Discussion	<b>Moderator:</b> Roman Mathaes, <i>LONZA</i>	Q&A, Discussion	<b>Moderator:</b> Derek Duncan, <i>LIGHTHOUSE Instruments</i>



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<b>12:45</b>	<b>Lunch Break, Poster Session &amp; Exhibition</b>	
<b>Closing Plenary</b> <b>Stepping into a More Sustainable and Patient-Centric Future</b>		<b>Moderator:</b> Bettine Boltres, <i>WEST</i>
The last session will be all about our future! How can we all contribute to making the pharma industry more environmentally sustainable? And what is the way to develop a patient-centric product in the future? Let's all dive into an exchange on how to create a better future for everyone!		
13:45	Re-Inventing for a more Sustainable Healthcare with Designed for Recycling Circular Raw Materials	Anja Gottschalk, <i>Borealis</i>
14:15	Net Zero Drug Delivery Devices - A Pharma Supply Chain Collaboration	Sebastian Gerner, <i>Ypsomed</i> on behalf of <i>Alliance to Zero</i>  Arne Kloke, <i>SCHOTT</i> on behalf of <i>Alliance to Zero</i>
<b>14:35</b>	<b>Coffee Break, Poster Session &amp; Exhibition</b>	
15:05	Patient-centric Development through Product Differentiation of Biopharmaceutical Drug Products	Michael Adler, <i>ten23 health</i>
15:30	Closing Panel Discussion	<b>Moderator:</b> Bettine Boltres, <i>WEST</i>
16:10	<b>Conference Summaries by the Chairs</b>	Roman Mathaes, <i>LONZA</i>  Bettine Boltres, <i>WEST</i>
16:25	<b>Closing Remarks &amp; Farewell</b>	Falk Klar, <i>PDA</i>
<b>16:30</b>	<b>End of Conference</b>	

*The agenda is subject to change without notice, all speakers are invited, and pending confirmation*