PREPARING FOR THE FUTURE: INNOVATING PACKAGING TECHNOLOGIES
pda.org/EU/2022ParPack

02-03 JUNE 2022
BASEL, SWITZERLAND
EXHIBITION: 02-03 JUNE
TRAINING: 31 MAY – 01 JUNE
WORKSHOPS: 01 JUNE

REGISTER BEFORE 03 APRIL
AND SAVE UP TO €200!
Dear Colleagues,

On behalf of the Scientific Program Planning Committee and PDA, we are proud to invite you to the 12th Parenteral Packaging Conference to take place in Basel/Switzerland, 02-03 June.

New technologies and materials are arising and known challenges are being addressed with new techniques, not only due to the pandemic and its consequences. This Conference has traditionally seen a strong mix of representatives from large pharmaceutical companies, packaging component vendors, leaders in manufacturing equipment, and regulatory experts. This enticing mix of delegates provides for a well-rounded conference agenda with top-notch presentations and interactive discussions around the complete pharmaceutical packaging value chain.

Packaging development for parenteral preparations cannot be discussed as an isolated activity. Instead, a holistic and integrated approach considering the relevant development interfaces is inevitable. Drug-container interactions are a topic that always provokes new studies and discoveries, e.g., focusing on drug adsorption onto the primary container components’ surfaces or the impact of siliconization on prefilled syringe functionality.

This year’s conference has a specific focus on innovation with dedicated track sessions on advanced packaging solutions and traceability. In the light of the current global situation, cold storage received unexpectedly strong attention and will also have its place in the program. As the regulatory landscape is evolving constantly, we will continue placing a focus on updates on regulatory changes. Finally, we will introduce sustainability along with the pharmaceutical packaging and filling value chain as a new strong agenda topic.

Join the PDA packaging community from all over the world and the involved parties, such as pharma companies, large and small, component suppliers, system suppliers, filling line vendors, analytical service providers, global regulators, and start-ups, just to name a few.

Ample exchange will be fostered during lunch and coffee breaks, interactive side events, and exciting evening networking activities. Meet old friends and gain new ones at the long-awaited return to the on-site format in beautiful Switzerland! Basel features not only some of the most important European Pharma hubs with headquarters of Roche and Novartis but also a flourishing Biotech startup ecosystem.

We are much looking forward to meeting you once again at the 2022 Parenteral Packaging Conference!

Sincerely,
The Chairs
COVID-19 PERSONAL PRECAUTIONARY MEASURES

PDA is committed to deliver safe and secure in-person events. In conjunction with the venue and vendors supporting our event, PDA strictly adheres to all national, provincial and local government regulations.
### OPENING PLENARY: A Status Update from the Parenteral Packaging Industry

Hear the opening keynote presentation about innovation in the primary packaging ecosystem and an update of the regulatory landscape around the globe.

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Welcome and Introduction</td>
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<tr>
<td>9:00 – 10:30</td>
<td>OPENING PLENARY: A Status Update from the Parenteral Packaging Industry</td>
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<tr>
<td>10:45</td>
<td>COFFEE BREAK, POSTER SESSION &amp; EXHIBITION</td>
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<tr>
<td>12:15</td>
<td>LUNCH BREAK, POSTER SESSION &amp; EXHIBITION</td>
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#### TRACK A

<table>
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<tr>
<th>Time</th>
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<tr>
<td>13:00</td>
<td>SESSION 1: TRACK A</td>
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<tr>
<td>13:00</td>
<td>Advancing Packaging Solutions</td>
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<tr>
<td>13:00</td>
<td>Evaluation of the Utility of Vial Packaging to Reduce Occupational Exposure to Antineoplastic Drugs in Preventing Breakages and Scattering</td>
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<tr>
<td>13:00</td>
<td>How Can the Choice of Label Positively Impact the Sustainability and Recyclability of Pharmaceutical Packaging</td>
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<tr>
<td>13:00</td>
<td>Assessment of Coating Effect on Vial Crack Response</td>
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<tr>
<td>13:00</td>
<td>Q&amp;A, Discussion</td>
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#### TRACK B

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<tbody>
<tr>
<td>13:00</td>
<td>SESSION 1: TRACK B</td>
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<tr>
<td>13:00</td>
<td>Traceability</td>
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<tr>
<td>13:00</td>
<td>Unit Level Syringe Identification &amp; Traceability</td>
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<tr>
<td>13:00</td>
<td>Medical Device Tracking - Seamless Traceability for Maximum Patient Safety</td>
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<tr>
<td>13:00</td>
<td>Delivering Unit Level Process Visibility in Parenteral Fill-Finish and All Other Manufacturing Processes</td>
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<tr>
<td>13:00</td>
<td>Q&amp;A, Discussion</td>
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</table>
## SESSION 2: TRACK A

**Drug Administration**  
*Moderator: Ankur Kulshrestha, BMS*

Session featuring presentation and case study highlighting the interaction of drug product with CSTDs and enabling drug administration at home using vial adaptors.

### Session featuring presentation and case study highlighting the interaction of drug product with CSTDs and enabling drug administration at home using vial adaptors.

**Impact of CSTDs on Administered ADC Quality**  
*Merck KGaA*

**Development of a Vial Adapter for Home Use: A Case Study**  
*Roche*

**Q&A, Discussion**  
*Moderator: Ankur Kulshrestha, BMS*

## TRACK B

**Fill & Finish / Manufacturing**  
*Moderator: Bram Jongen, Datwyler*

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!

### Primary Packaging Container and Handling During Fill & Finish Processes
*Swissfillon – a Ten23 Health Company*

### End-To-End Qualification of Ready to Use (RTU) Product Containers in Packaging Suitable for NTT: No-Touch-Transfer into Grade a Filling Zones
*Franz Ziel*

**Q&A, Discussion**  
*Moderator: Bram Jongen, Datwyler*

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**18:00 END OF CONFERENCE DAY 1 & NETWORKING EVENT**

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**NETWORKING RECESSION**

**02 JUNE 2022**

**19:00**

[Network link](pda.org/EU/2022ParPack)
# Primary Container Selection for Specific Products

**Moderator: Robert Guidos, Corning Incorporated**

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.

## Case Study:

**Protein Adsorption /Aggregation on Glass and Polymer Surfaces**

*WEST*

## Pre-filled Syringe Silicone Loading:

**Quantifying the Functional Impact of Homogeneity Variations**

*SCHOTT*

## Q&A, Discussion

**Moderator: Robert Guidos, Corning Incorporated**

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# Cold Storage

**Moderator: Folker Steden, SCHOTT**

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.

## Influence of Freezing Storage Condition on Glass Syringe Performance

*Stevanato Group*

## Low-Temperature Storage Extractables and Leachables Considerations

*Sartorius Stedim*

## Q&A, Discussion

**Moderator: Folker Steden, SCHOTT**

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## Container – Drug Interactions

**Moderator: Robert Ovadia, Gilead**

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.

## Choosing the Right Container for mRNA drugs

*SCHOTT*

## The Necessity of Extractable & Leachable Qualifications for Lyophilized Drug Products: Some Misconceptions Addressed

*Nelson Labs*

## Extended Drug Stability for High pH – Superior Leachables Results for Dissolved Glass Elements

*SCHOTT*

## Q&A, Discussion

**Moderator: Robert Ovadia, Gilead**

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## Container Closure Integrity

**Moderator: Derek Duncan, LIGHHOUSE Instruments**

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.

## Updates on the Container Closure Guideline

*U.S. FDA*

## Use of X-Ray Computerized Tomography to Study Porosity, Roughness, and Contact Problems in Medical Container’s Elastomeric Components

*BD*

## Challenges in Container Closure Development

*Eli Lilly & Company*

## Q&A, Discussion

**Moderator: Derek Duncan, LIGHHOUSE Instruments**
## CLOSING PLENARY: Stepping into a More Sustainable and Patient-Centric Future

**Moderator:** Bettine Boltres, **WEST**

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!

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:35</td>
<td><strong>Net Zero Drug Delivery Devices - A Pharma Supply Chain Collaboration</strong> Ypsomed &amp; SCHOTT on behalf of Alliance to Zero</td>
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<tr>
<td>14:35</td>
<td><strong>Re-Inventing for a more Sustainable Healthcare with Designed for Recycling Circular Raw Materials</strong></td>
<td>Borealis</td>
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<tr>
<td>14:35</td>
<td><strong>Coffee Break, Poster Session &amp; Exhibition</strong></td>
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<tr>
<td>14:00</td>
<td><strong>Patient-centric Development through Product Differentiation of Biopharmaceutical Drug Products</strong></td>
<td>Ten23 Health</td>
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<tr>
<td>15:00</td>
<td><strong>Closing Panel Discussion</strong></td>
<td>Moderator: Bettine Boltres, <strong>WEST</strong></td>
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<tr>
<td>15:30</td>
<td><strong>Conference Summaries by the Chairs</strong></td>
<td>Roman Mathaes, <strong>LONZA</strong>  Bettine Boltres, <strong>WEST</strong></td>
</tr>
<tr>
<td>16:00</td>
<td><strong>Closing Remarks &amp; Farewell</strong></td>
<td>Falk Klar, <strong>PDA</strong></td>
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**16:30 END OF CONFERENCE**

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

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### VENUE

**CONGRESS CENTER BASEL**  
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info@pda.org

### SPECIAL REQUIREMENTS

If you require special assistance to fully participate, please attach a written description of your needs with your registration form. Specific questions can be directed to info@pda.org.
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<td>2022 PDA Visual Inspection Forum</td>
<td>Berlin, Germany</td>
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<td>16-17 MAY 2022</td>
<td>2022 PDA Medical Devices and Connected Health Conference</td>
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<td>2022 PDA Robotics and Automation Conference</td>
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<td>2022 PDA Parenteral Packaging Conference</td>
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<td>22-23 JUN 2022</td>
<td>2022 PDA Advanced Therapy Medicinal Products Conference</td>
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<td>20-21 SEP 2022</td>
<td>2022 PDA BioManufacturing Conference</td>
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<tr>
<td>05-06 OCT 2022</td>
<td>2022 PDA Quality and Regulations Conference</td>
<td>Amsterdam, The Netherlands</td>
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