## Tuesday, 23 April

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Welcome and Introduction</td>
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<td>Committee: Falk Klar PhD <em>PDA Europe</em></td>
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<tr>
<td>09:05</td>
<td>Welcome from the Co-Chairs</td>
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<td>Co-Chair: Philippe Lauwers <em>Director Technology Development</em> Terumo Pharmaceutical Solutions</td>
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<td>Co-Chair: Derek I. Duncan PhD <em>Director Product Line</em> LIGHTHOUSE Instruments</td>
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<tr>
<td>09:15</td>
<td>Opening Plenary Part I</td>
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<td>Moderator: Derek I. Duncan PhD <em>Director Product Line</em> LIGHTHOUSE Instruments</td>
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<tr>
<td>09:15</td>
<td>How to Package Presents for a Patient?</td>
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<td>Patient Presenter: Paul Guijt <em>Volunteer International Gaucher Alliance</em></td>
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<tr>
<td>09:40</td>
<td>Updates from USP Packaging Chapters</td>
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<td>Regulatory Presenter: Desmond Hunt</td>
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<td>10:05</td>
<td>Looking Across Borders – Aseptic Filling in the Food Industry</td>
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<td>Presenter: Hanno Geissler</td>
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<tr>
<td>10:30</td>
<td>Coffee Break, Exhibition &amp; Guided Poster Walk -Part I-</td>
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<tr>
<td>11:15</td>
<td>Opening Plenary Part II</td>
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<td>Moderator: Derek I. Duncan PhD <em>Director Product Line</em> LIGHTHOUSE Instruments</td>
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<tr>
<td>11:15 – 11:40</td>
<td>Regulatory Updates</td>
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<td><strong>Regulatory Presenter:</strong> Madushini N Dharmasena PhD  Senior Pharmaceutical Quality Assessor, OPQ, CDER  U.S. FDA</td>
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<td>11:40 – 11:55</td>
<td>Interactive Questionnaire Session</td>
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<td><strong>Moderator:</strong> Derek I. Duncan PhD  Director Product Line  LIGHTHOUSE Instruments</td>
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<td>11:55 – 12:35</td>
<td>Q&amp;A, Panel Discussion</td>
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<td>12:35 – 13:50</td>
<td>Lunch Break, Poster Session, Exhibition &amp; Tech Talks</td>
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<tr>
<td>13:50 – 15:10</td>
<td>1A: Primary Packaging Components</td>
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<td><strong>Moderator:</strong> Arne Kloke PhD  Head of Service and Sustainability Management  SCHOTT Pharma</td>
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<tr>
<td>13:50 – 14:05</td>
<td>Basics Glass versus Polymer Pros, Cons and Different Applications</td>
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<td><strong>Presenter:</strong> Jochen Heinz</td>
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<td>14:05 – 14:20</td>
<td>How Strong is That Vial Anyway? Applying Glass Fractography to the Evaluation of Novel Glass Parenteral Packaging Technologies</td>
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<td><strong>Presenter:</strong> Brandon Aldinger PhD  Senior Scientist  American Glass Research</td>
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</table>
The Effects of the Rubber Component and the Selected Analytical Method on the Moisture Content of a Freeze-Dried Cake

**Presenter:** Elke Geuzens PhD Technical and Scientific Expert Datwyler

14:40 – 15:10

Q&A, Discussion

**Moderator:** Arne Kloke PhD Head of Service and Sustainability Management SCHOTT Pharma

**Panelist:** Jochen Heinz

**Panelist:** Brandon Aldinger PhD Senior Scientist American Glass Research

**Panelist:** Elke Geuzens PhD Technical and Scientific Expert Datwyler

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13:50 – 15:10

1B: Container Closure Integrity Testing

**Moderator:** Coralie A. Richard PhD Senior Director Eli Lilly and Company

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13:50 – 14:05

Fully Leveraging Robust CCIT Techniques when Developing PFS within a Holistic Approach

**Co-Presenter:** Jean-Sebastien Steffen MS, PhD Group Lead Primary Packaging and Combination Products Lonza

**Co-Presenter:** Federico Sabini MD in Biomedical Engineering QC Senior Specialist Primary Packaging Materials and Combination Products Lonza AG

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14:05 – 14:20

Ready to Use Cartridges: Quantitative Assessment of Container Closure Integrity

**Presenter:** Serena Casanova PhD Technical Leader Stevanato Group

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14:20 – 14:35

A Finite Elements Modeling-Multiscale Contact Mechanics (FEM-MCM) Simulation Approach to Predict the Sealing Performance of a Luer Lock Connector Involving a Polymer-Glass Interface

**Presenter:** Julien Singer PhD R&D Senior Engineer BD

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14:40 – 15:10

Q&A, Discussion

**Moderator:** Coralie A. Richard PhD Senior Director Eli Lilly and Company

**Panelist:** Serena Casanova PhD Technical Leader Stevanato Group

**Panelist:** Federico Sabini MD in Biomedical Engineering QC Senior Specialist Primary Packaging Materials and Combination
### Agenda

**2024 PDA Parenteral Packaging Conference**

<table>
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<tr>
<th>Time</th>
<th>Session Details</th>
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<tr>
<td>15:10 – 15:55</td>
<td>Coffee Break, Exhibition &amp; Guided Poster Walk -Part II-</td>
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<td>15:55 – 17:15</td>
<td><strong>2A: Deep Cold Storage</strong></td>
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<td><strong>Moderator:</strong> Madushini N Dharmasena PhD Senior Pharmaceutical Quality Assessor, OPQ, CDER U.S. FDA</td>
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<td>15:55 – 16:20</td>
<td>Vials for Deep Cold Storage - Part II</td>
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<td><strong>Presenter:</strong> Diana Löber Global Product Manager Vials SCHOTT Pharma AG &amp; Co. KGaA</td>
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<tr>
<td>16:20 – 16:45</td>
<td>Challenges and Solutions of Container Closure Integrity Syringe Testing at -180°C</td>
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<td><strong>Co-Presenter:</strong> Tom Van Ginneken Head of Product Management SCHOTT AG</td>
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<td><strong>Co-Presenter:</strong> Paula Bracco PhD Senior Study Manager Lighthouse Instruments B.V.</td>
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<td>16:45 – 17:15</td>
<td>Q&amp;A, Discussion</td>
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<td><strong>Moderator:</strong> Madushini N Dharmasena PhD Senior Pharmaceutical Quality Assessor, OPQ, CDER U.S. FDA</td>
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<td>15:55 – 17:15</td>
<td><strong>2B: Traceability</strong></td>
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<td><strong>Moderator:</strong> Sinue Gomez PhD Materials Science Technology Director Corning Incorporated</td>
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<tr>
<td>15:55 – 16:20</td>
<td>Towards the Batch Report of One: Connecting Traceability Across Machines and Batches</td>
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</table>
Presenter: Robert T. Urquhart MBA CEO Eagas

16:20 – 16:45
Seamless Traceability from a Single Device including GMP Process Parameter Tracking up to Pallet Aggregation
   Co-Presenter: Georg Schick
   Co-Presenter: Frank Bixenmann

16:45 – 17:15
Q&A, Discussion
   Moderator: Sinue Gomez PhD Materials Science Technology Director Corning Incorporated
   Panelist: Robert T. Urquhart MBA CEO Eagas
   Panelist: Georg Schick
   Panelist: Frank Bixenmann

17:15 – 22:00
End of Conference Day 1 & Networking Event

Wednesday, 24 April

08:00 – 08:45
Packaging Science Morning Session

08:00 – 08:45
Pre-Filled Syringes Morning Session

09:00 – 10:20
3A: Drug-Primary Container Interaction
   Moderator: Ryan Forrey

09:00 – 09:25
Discussion of the Impact of Primary Container on PS80 and Protein Oxidation
   Presenter: Tingting Wang PhD Senior Research Scientist Eli Lilly and Company

09:25 – 09:50
Factors Affecting the Formation of Chemically Derived Particles in Pharmaceutical Glass Containers

**Presenter: Luis A. González MSc** Research Scientist *Corning*

09:50 – 10:20

Q&A, Discussion

**Moderator: Ryan Forrey**

**Panelist: Tingting Wang PhD** Senior Research Scientist *Eli Lilly and Company*

**Panelist: Luis A. González MSc** Research Scientist *Corning*

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09:00 – 10:20

3B: Administration Routes Different from Intravenously and Subcutaneous

**Moderator: Folker Steden Dr** Senior Principal Expert, Director Product Management *Schott AG*

09:00 – 09:25

Advancing Ocular Device Delivery: Exploring Routes, Challenges, and Innovations to Meet Patient Needs

**Presenter: Vincent Cazanave** Device Team Leader *Roche*

09:25 – 09:50

Case Study of a Drug Delivery Solution for Complex Intravitreal Drugs Using Pre-Filled Syringes

**Presenter: Nicolas Eon PhD** Senior Technology Development Manager *Terumo Europe nv*

09:50 – 10:20

Q&A, Discussion

**Moderator: Folker Steden Dr** Senior Principal Expert, Director Product Management *Schott AG*

**Panelist: Vincent Cazanave** Device Team Leader *Roche*

**Panelist: Nicolas Eon PhD** Senior Technology Development Manager *Terumo Europe nv*

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10:20 – 10:50

Coffee Break, Poster Session & Exhibition

10:50 – 12:10

4A: Bag Systems & Large Volume Parenterals
Agenda

2024 PDA Parenteral Packaging Conference

Moderator: Bettine Boltres PhD  Director Scientific Affairs & Technical Solutions, Glass Systems West Pharmaceutical Services

10:50 – 11:15
Positive Controls in Flexible Parenteral Packaging Container Closure Integrity Testing
   Presenter: Guerney D.H Hunt MS  Research Engineer 1  Packaging Technologies and Inspection

11:15 – 11:40
Nitrosamines in Flexible Packaging Materials – A Challenge for Large Volume Parenterals
   Presenter: Andreas Meiser Dr-Ing  Sr. Director of Component Development  Fresenius Medical Care Deutschland GmbH

11:40 – 12:10
Q&A, Discussion
   Moderator: Bettine Boltres PhD  Director Scientific Affairs & Technical Solutions, Glass Systems West Pharmaceutical Services
   Panelist: Guerney D.H Hunt MS  Research Engineer 1  Packaging Technologies and Inspection
   Panelist: Andreas Meiser Dr-Ing  Sr. Director of Component Development  Fresenius Medical Care Deutschland GmbH

10:50 – 12:10
4B: Sustainability

Moderator: Bram Jongen PhD  VP Materials and Surface Technologies  Datwyler

10:50 – 11:15
Consequences From the EU Packaging Waste Directive
   Presenter: Lize Jaspers dr  Sr. Packaging Engineer  Amgen

11:15 – 11:40
Blister-Free Syringe Supply – A New, Sustainable Dress Code for Pre-Filled Syringes Proving Less Packaging for More Value
   Presenter: Kurt Kugler PhD  Business Development Manager  Schreiner MediPharm

11:40 – 12:10
Q&A, Discussion
   Moderator: Bram Jongen PhD  VP Materials and Surface Technologies  Datwyler
   Presenter: Lize Jaspers dr  Sr. Packaging Engineer  Amgen
   Panelist: Kurt Kugler PhD  Business Development Manager  Schreiner MediPharm
12:10 – 13:25
Lunch Break, Poster Session, Exhibition & Tech Talks

13:25 – 13:40
Interactive Questionnaire Session
Moderator: Philippe Lauwers Director Technology Development Terumo Pharmaceutical Solutions

13:40 – 14:25
Closing Plenary Part I
Moderator: Philippe Lauwers Director Technology Development Terumo Pharmaceutical Solutions

13:40 – 14:00
2023 Revision of the PDA Technical Report 43
Co-Presenter: Alicia Gallagher
Co-Presenter: Carol Rea Flynn

14:00 – 14:25
Title To Be Announced

14:25 – 14:55
Coffee Break, Poster Session & Exhibition

14:55 – 15:00
Passport Raffle
Moderator: Melanie Decker

15:00 – 16:25
Closing Plenary Part II
Moderator: Philippe Lauwers Director Technology Development Terumo Pharmaceutical Solutions

15:00 – 15:20
### Agenda

**2024 PDA Parenteral Packaging Conference**

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<tr>
<th>Time</th>
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</table>
| 15:25 – 16:10 | **Turning Pharma Manufacturing Circular for Zero**  
  **Co-Presenter: Stine Mikkelsen**  
  **Co-Presenter: Bo Gottlieb** |
| 16:10 – 16:25 | **Closing Panel Discussion**  
  **Moderator:** Philippe Lauwers  
  **Director Technology Development Terumo Pharmaceutical Solutions**  
  **Regulatory Panelist:** Madushini N Dharmasena PhD  
  **Senior Pharmaceutical Quality Assessor, OPQ, CDER U.S. FDA**  
  **Panelist:** Carol Rea Flynn  
  **Panelist:** Alicia Gallagher  
  **Panelist:** Bo Gottlieb |
| 16:25 – 16:30 | **Closing Remarks & Farewell**  
  **Committee:** Falk Klar PhD  
  **PDA Europe** |