



Agenda

PDA Visual Inspection Forum 2025

Monday, 10 March

07:30 – 08:30

Continental Breakfast

07:30 – 17:30

Registration Open

08:30 – 10:15

P1: Regulatory Perspectives

Moderator: Rick J Watson, Director, *Merck & Co., Inc.*

08:30 – 08:45

Welcome and Opening Remarks from Forum Co-Chairs

Co-Chair: Romain Veillon, Director Vision Technology, *GSK*

Co-Chair: Rick J Watson, Director, *Merck & Co., Inc.*

08:45 – 09:15

Visual Inspection Regulatory and Compendial Update

Presenter: John G. Shabushnig, PhD, Principal Consultant, *Insight Pharma Consulting, LLC*

09:15 – 09:45

Regulatory Expectations for the Assessment of Visible Particulates in Injectable Pharmaceuticals

Presenter: Rukman S De Silva, Policy Lead, OPQ, CDER, *U.S. FDA*

09:45 – 10:15

Q&A

10:15 – 11:00

Networking Break in the Exhibit Hall

10:15 – 11:00

Poster Presentations in the Exhibit Hall

10:15 – 11:00



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PDA Visual Inspection Forum 2025

A Comparison of Barrier Film Non-Stick Coated Stoppers vs. Non-Barrier Film Rubber Stoppers in Pharmaceutical Packaging: A Case Study from Historical Data

Poster Presenter: Heather Marzolo, Laboratory Technician, *Sartorius*

10:15 – 11:00

Leveraging Deep Learning and AI-Driven Facial Tracking Systems to Enhance Manual Visual Inspection in Pharmaceutical Manufacturing

Poster Presenter: Ali Yuksel, Managing Partner | Principal Engineer, *YB*

11:00 – 12:45

P2: Process Development

Moderator: Romain Veillon, Director Vision Technology, *GSK*

11:00 – 11:15

Interactive Polling Questionnaire

11:15 – 11:45

Visual Inspection Challenges in Gene and Cell Therapy Production: From Clear Glass and Product to Opaque Plastic and Product

Presenter: Ines Bauer, Expert Science & Technology, *Novartis*

11:45 – 12:15

How to Boost Your Manual Visual Inspection: A Case Study of Improving the Efficiency of MVI

Presenter: Antonio Burazer, Global Head Visual Inspection & Particle LCM, *Takeda*

12:15 – 12:45

Q&A

12:45 – 13:45

Networking Lunch with Exhibitors

13:45 – 15:15

A1: New Challenges in Visual Inspection Qualification

Moderator: Andrea Sardella, PhD



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13:45 – 14:05

Successful Qualification of an AI-Model for a Low-Fill Liquid Vial Particle Inspection

Presenter: Christy Eatmon, Global SME Sterile Drug Products, *Thermo Fisher Scientific*

Co-Presenter: Bastian Kronenbitter, Head of Data Science, *InspectifAI*

14:05 – 14:25

Qualifying an Automated Visual Inspection Using Recirculation Function

Presenter: Jun L. Ordonez, Senior Manager, *Pfizer*

14:25 – 14:45

Development of a Global Standard Operating Procedure Across the Manufacturing Network for Both Liquid and Difficult to Inspect Parenterals Case Study

Presenter: Pere Joaquin, Director of Site Quality and QP, *Reig Jofre*

14:45 – 15:15

Q&A

13:45 – 15:15

B1: Advances in Particle Investigations

Moderator: Robert J. Miller, Director, Technical Services, *Pfizer*

13:45 – 14:05

Problem Solving During Trace Foreign Matter Investigations: Points to Consider

Presenter: Mary Lee Ciolkowski, PhD, Senior Principal Scientist, *Bausch + Lomb*

14:05 – 14:25

Achieving Particle Reduction via Supplier Contamination Control Strategies and Innovation in RTF Packaging

Presenter: Colleen O'Brien, MS, Strategy and Technical Affairs, *Gerresheimer*

14:25 – 14:45

Cellulose – Understanding and Narrowing Down its Sources

Presenter: Casey M. Jarvis, Research Scientist, *MVA Scientific Consultants*



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Q&A

15:15 – 16:00

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16:00 – 17:30

A2: Particle Detection Capability

Moderator: Rukman S De Silva, Policy Lead, OPQ, CDER, *U.S. FDA*

16:00 – 16:20

Beyond Size and Shape: The Role of Color in Particle Detection

Presenter: Atanas Koulov, PhD, Chief Scientific Officer, *Clear Solutions Laboratories*

16:20 – 16:40

3D Printed Protein-Like Model Particles as Particle Standards for Performance Evaluation of Novel Human-Inspired Automated Visual Inspection Instrument

Presenter: Oliver Germershaus, PhD, Professor for Pharmaceutical Technology of Macromolecular Drugs, *University of Applied Sciences and Arts Northwestern Switzerland*

16:40 – 17:00

Case Studies: Increasing PoD in Manual Visual Inspection for DIP



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Presenter: Bram J.J. Keymolen, Co-Founder, *eyetec*

17:00 – 17:30

Q&A

16:00 – 17:30

B2: Novel AI-Based Equipment for Difficult-to-Inspect Products

Moderator: Antonio Burazer, Global Head Visual Inspection & Particle LCM, *Takeda*

16:00 – 16:20

Difference Between Rule-Based and AI Algorithms in the Quality Control of Difficult-to-Inspect Parenterals

Presenter: Matthias Kahl, Head of R&D and Lab Services, *WILCO*

16:20 – 16:40

Enhancing Image Classification and Reducing False Rejection Rates in BFS DIP Products Using AI on Automated Visual Inspection Systems

Presenter: Gianmarco Pincelli, Technical Sales Manager, *Bonfiglioli Engineering*

16:40 – 17:00

Unsupervised Machine Learning Applied to Difficult-to-Inspect Products

Presenter: Brian Turnquist, PhD, Chief Technical Officer, *BoonLogic*

17:00 – 17:30

Q&A

17:30 – 18:30

Networking Reception in Exhibit Hall

Tuesday, 11 March

07:30 – 08:30

Continental Breakfast

07:30 – 17:00



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Registration Open

08:30 – 10:00

P3: Visual Inspection Acceptance Sampling and Performance Measurement

Moderator: John G. Shabushnig, PhD, Principal Consultant, *Insight Pharma Consulting, LLC*

08:30 – 09:00

Sampling in the Visual Inspection Process: AQL and Defect Trending

Presenter: Robert J. Miller, Director, Technical Services, *Pfizer*

09:00 – 09:30

Use of Mathematical Model for Detection Performances Comparison of Manual Visual Inspection vs. Automated Visual Inspection

Presenter: Mark Arsenault

09:30 – 10:00

Q&A

10:00 – 10:45

Networking Break in the Exhibit Hall

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10:45 – 12:15

A3: Inspection Optimization

Moderator: Markus Adlberger, MSc, Product Owner Visual Inspection Software, *Körber Pharma*

10:45 – 11:05

Transitioning from Manual to Automated Visual Inspection

Presenter: Andrea Sardella, PhD

11:05 – 11:25

Revolutionizing Pharmaceutical Inspection: Upgrading to Automated Visual Inspection Systems

Presenter: Bill Waterstreet, Principal Validation Engineer, *Performance Validation*

11:25 – 11:45

Manual Visual Inspection and Inspector Training and Qualification

Presenter: Tracey Sinjen, Principal Consultant, *Lachman Consultants*

11:45 – 12:15

Q&A

10:45 – 12:15

B3: Novel Inspection Equipment Design and Application

Moderator: Rick J Watson, Director, *Merck & Co., Inc.*

10:45 – 11:05

AI-Driven Visual Inspection: Unlocking Data for Smarter Production

Presenter: Massimo Frasson, CEO & General Manager, *Brevetti CEA*

11:05 – 11:25

A Semi-Automated IV Bag Inspection System

Presenter: Neil Jesse Hamilton, Vice President Technical Services, *AWS Bio-Pharma Technologies*

11:25 – 11:45

The Next Phase in Visual Inspection – Complete Electronic Records



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Presenter: Gerlad Budd, President, *Phoenix Imaging Ltd.*

11:45 – 12:15

Q&A

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Networking Lunch with Exhibitors

13:15 – 14:45

P4: Visual Inspection Process Development and Qualification

Moderator: Antonio Burazer, Global Head Visual Inspection & Particle LCM, *Takeda*

13:15 – 13:45

Visual Inspection Validation Considerations for Traditional and New Technology

Presenter: Rick J Watson, Director, *Merck & Co., Inc.*

13:45 – 14:15

Benefit of Digital Visual Inspection Platform

Presenter: Romain Veillon, Director Vision Technology, *GSK*

14:15 – 14:45

Q&A

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P5: Panel Discussion

Moderator: Romain Veillon, Director Vision Technology, GSK

Moderator: Rick J Watson, Director, Merck & Co., Inc.

15:30 – 15:45

Interactive Polling Questionnaire

15:45 – 16:55

Panel Discussion

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Panelist: Rukman S De Silva, Policy Lead, OPQ, CDER, U.S. FDA

Panelist: Robert J. Miller, Director, Technical Services, Pfizer

Panelist: Andrea Sardella, PhD

Panelist: John G. Shabushnig, PhD, Principal Consultant, Insight Pharma Consulting, LLC

Panelist: Romain Veillon, Director Vision Technology, GSK

Panelist: Rick J Watson, Director, Merck & Co., Inc.

Panelist: Linda Wildling, PhD, Head of Digital Innovation Success Management, Takeda

16:55 – 17:00

Closing Remarks from Forum Co-Chairs

Co-Chair: Romain Veillon, Director Vision Technology, GSK

Co-Chair: Rick J Watson, Director, Merck & Co., Inc.