



## LEARNING LAB SCHEDULE

**TUESDAY, APRIL 16**

SCHEDULE AS OF  
MARCH 25, 2024

	STAGE 1 TRACK 1: Non-Sterile Product Development and Manufacturing	STAGE 2 TRACK 2: The Future is Now: Recent Advances in Sterile Product Manufacturing	STAGE 3 Late Breaking
	Theme: Pharma 4.0 and 5.0 – Implications of AI and Machine Learning Approaches	Theme: Current Trends in Parenteral Drug Manufacturing	
10:15 AM	<b>PANEL DISCUSSION</b> Technical Insights into AI and Digital Twin Applications for Enhanced Pharmaceutical Manufacturing	<b>PANEL DISCUSSION</b> Speed to Market - What is "The Real Story"	<b>TRACK 1</b> 10:00 AM 3D Bioprinting for Biologics
11:15 AM	<b>PANEL DISCUSSION</b> Transformative Power of Virtual Twins	<b>PANEL DISCUSSION</b> Aseptic Product Manufacturing and Annex 1 Trends	
12:15 PM	<b>PANEL DISCUSSION</b> AI Based Formulation and Fraud Detection in Pharma	<b>PANEL DISCUSSION</b> Trends and Challenges of Parenteral Facilities in Urban Centers	<b>TRACK 2</b> 12:00 PM Supply Chain Resilience: Quality Assurance and Regulatory
01:30 PM	<b>KEYNOTE</b> Harnessing the Power of Artificial Intelligence for Maximizing Efficiency in GMP Manufacturing Facility Design	<b>KEYNOTE</b> FDA Regulatory Updates - Trends & Insight	
03:00 PM	<b>QUICK FIRE</b> Accelerate Product Deliveries With a Purpose-Built No Code MES	<b>QUICK FIRE</b> Sponsored by: <b>SANISURE</b> Fill-Finish Innovations: Environmental Monitoring & In-Process Checks	<b>TRACK 1</b> 2:00 PM Additive Manufacturing of Pharmaceuticals: Challenges and Opportunities
03:15 PM	<b>QUICK FIRE</b> Optimising for Failure - Survivorship Bias in AI	<b>QUICK FIRE</b> Sponsored by: <b>SANISURE</b> Overcoming Sterilization Challenges with High Viscosity Formulations	
03:30 PM	<b>QUICK FIRE</b> Leveraging AI & Robotics for Pharma 4.0	<b>QUICK FIRE</b> Sponsored by: <b>SANISURE</b> Scalable Test Methods for CCI of Biologic Products	<b>TRACK 2</b> 4:00 PM Process Closure: The Next Step in Our Sustainable Evolution
03:45 PM	<b>QUICK FIRE</b> The Practical Aspects of AI in Pharmaceutical Development	<b>QUICK FIRE</b> Sponsored by: <b>SANISURE</b> Effective Sterile Powder Transfer for Parenteral Drug Products	

# WEDNESDAY, APRIL 17

SCHEDULE AS OF  
MARCH 25, 2024

STAGE 1		STAGE 2		STAGE 3 Late Breaking
TRACK 1: Non-Sterile Product Development and Manufacturing		TRACK 2: The Future is Now: Recent Advances in Sterile Product Manufacturing		
Theme: Product Development and Manufacturing Challenges		Theme: Tackling the CMC Challenges of New Therapeutic Modalities		
10:15 AM	<b>PANEL DISCUSSION</b> Continuous Manufacturing Lifecycle Management	<b>PANEL DISCUSSION</b> Contamination Control Strategies for Cell and Gene Therapy Facilities		<b>TRACK 1</b> 10:00 AM Advancements and Challenges in Antibody-Drug Conjugate Manufacturing
11:15 AM	<b>PANEL DISCUSSION</b> Biophorum's Guidance on Filter Integrity Testing for DS Manufacturing	<b>PANEL DISCUSSION</b> Reimagining Decontamination: Low-Concentration Hydrogen Peroxide Protocols		
12:15 PM	<b>PANEL DISCUSSION</b> Leading Innovation: How Vaccines Are Paving the Way for Needle-Free Drug Delivery	<b>PANEL DISCUSSION</b> CMC Data Mining to Optimize Multimodal Manufacturing Facility Design		<b>TRACK 2</b> 12:00 PM Microbial Control of Product-Contact Surfaces in Non-Sterile Manufacturing
01:30 PM	<b>KEYNOTE</b> The Added Value of a Robust Quality System in Evolution	<b>KEYNOTE</b> Science to Medicine: The Evolution of Biotherapeutics and Cell Therapy		
03:00 PM	<b>QUICK FIRE</b> Removing People from Pharma Manufacturing with Robot Telemanipulation	<b>QUICK FIRE</b> Forming Confident Connections in Your Fluid Pathway		<b>TRACK 1</b> 2:00 PM Essential Performance Requirements and Testing for Combination Products
03:15 PM	<b>QUICK FIRE</b> Biofilm and Biofilm Remediation	<b>QUICK FIRE</b> Innovating Genetic Stability Testing for CHO-based Expression Systems		
03:30 PM	<b>QUICK FIRE</b> Novel Perspectives On Excipient Functionalities and Control Strategy	<b>QUICK FIRE</b> Evolution of Cell Therapy Manufacturing, Technology, and Facility Planning		<b>TRACK 2</b> 4:00 PM Accelerating Commercialization Through Tech Transfer
03:45 PM	<b>QUICK FIRE</b> Pharma Supply Chains: Dealing with Uncertainties in a Post-COVID World	<b>QUICK FIRE</b> Cleaning Considerations for Novel Drug Delivery Systems		

**THURSDAY, APRIL 18**

SCHEDULE AS OF  
MARCH 25, 2024

STAGE 1		STAGE 2		STAGE 3 Late Breaking
TRACK 1: Non-Sterile Product Development and Manufacturing		TRACK 2: The Future is Now: Recent Advances in Sterile Product Manufacturing		
Theme: Novel Pharmaceutical Materials and Processes		Theme: Present and Future of Drug-Device Combination for Sterile Products		
10:15 AM	<b>PANEL DISCUSSION</b> Compaction Simulation Technology	<b>PANEL DISCUSSION</b> Identification of Foreign Particulate Matter in Assembled Autoinjectors		<b>TRACK 1 10:00 AM</b> Addressing the Challenges Related to Formulation Stability with Tailored High Purity Excipients
11:15 AM	<b>QUICK FIRE</b> Evaluation of Nanoparticle Tracking Analysis (NTA) Performance for the Characterization of Amorphous Nanoparticles	<b>QUICK FIRE</b> Novel Approach for Optimizing Delivery in Drug-Device Combination Products		
11:30 AM	<b>QUICK FIRE</b> Multidimensional Fluorescence (A-TEEM) for the Characterization of Challenging Samples - From AAVs to Exosomes	<b>QUICK FIRE</b> Trends Driving Container Closure Integrity Testing and Positive Control		<b>TRACK 2 11:00 AM</b> Developing a Large Volume Syringe for Auto-Injector Use
11:45 AM	<b>QUICK FIRE</b> A Highly Accurate, Reliable, and Efficient CSP and FEP+ Workflow for Small Molecule Drug Formulation.	<b>QUICK FIRE</b> Failure to Imagine What Can Go Wrong Leads to Catastrophe		
12:00 PM	<b>QUICK FIRE</b> Role of Early Stage Feasibility Studies for Development of Injectable Formulations	<b>QUICK FIRE</b> The Emergence of On-Body Delivery Systems		

**SCAN QR CODE**

FOR THE MOST UP TO DATE  
SCHEDULE



#INTERPHEX2024

