






## WELCOME TO THE INTERPHEX 2023 TECHNICAL CONFERENCE



SCAN QR CODE FOR MOST  
UP TO DATE SCHEDULE






➤ TUESDAY, APRIL 25

As of April 20, 2023




	INNOVATION STAGE	STAGE 1	STAGE 2	STAGE 3	TECHNICAL THEATER	INTERPHEX LIVE	CONTRACT STAGE	INNOPHEX STAGE
08:00 AM	 <b>CfPIE Certification Courses</b> Requires separate registration   Learn more at <a href="http://www.cfpie.com">www.cfpie.com</a>							
10:00 AM	<b>Show Floor Open</b>   <b>INTERPHEX Poster Hall</b> Sponsored by <a href="#">BioProcess International</a>							
10:15 AM	<b>Keynote Series</b> mRNA Supplier-Developer Relationships and Technical Advances	Robotics in Pharma: How Robots Can Make Aseptic Fill & Finish Safer, More Effective and Convenient	Optimizing Efficiencies for Quality Laboratories	Practical Implementations of AI, Deep Learning Models in Manufacturing Processes	<b>10:30 AM</b> Let it Flow: Advancements in Aseptic Connection Technologies Enables 1/8" to Now 1 1/2" Flow Path Processes  Sponsored by 	PDA Mini Workshop: Cleanroom Cleaning and Disinfection		Titan LED's SpectrumSelect-Gold Clean Room LED
11:15 AM		PDA Information Series: Utilizing Viable Environmental Monitoring Data to Improve Microbial Control Strategies	Cleaning Validation and Critical Cleaning of Cell and Gene Therapy Processes	How to Prepare for the FDA Medical Device Cybersecurity Guidelines	<b>11:30 AM</b> Scale-Up Considerations for Capture Chromatography: Batch vs. Multi-Column  Sponsored by 	<b>11:30 AM</b> PDA Mini Workshop: Characteristics of Pharmaceutical Elastomers in Parenteral Packaging Systems	How to Maximize Capacity by Using AI and Golden Batch Data	Scan QR Code For Most Up To Date Schedule
01:15 PM	<b>Keynote Series</b> Cell and Gene Therapy Scale Up and Process Optimization	CRB Tech Tank: Multimodal Manufacturing: Real-World Applications, Operational Challenges, and the Path Forward	FDA Inspection and Compliance Updates	Best Possible Annex 1 Compliance of Single-Use and Ready-to-Use for ATMPs	<b>01:00 PM</b> Maximizing Payload Density at a Broad Temperature Range  Sponsored by 	<b>01:00 PM</b> Current Regulatory Trends and Warning Letter Content Review	Beyond the Blueprint: Optimizing Design for a High-Quality Drug Product Manufacturing Facility	Digitizing Complex Project Turnover Documentation






## TUESDAY, APRIL 25

As of April 20, 2023

	INNOVATION STAGE	STAGE 1	STAGE 2	STAGE 3	TECHNICAL THEATER	INTERPHEX LIVE	CONTRACT STAGE	INNOPHEX STAGE
02:15 PM	<i>continued</i> <b>Keynote Series</b> Cell and Gene Therapy Scale Up and Process Optimization	CRB Tech Tank: Aligning on Today's Best Practices and Standards in Biopharmaceutical Manufacturing	Is Your Digital Strategy Incomplete? How Legacy Models Are Preventing End-To-End Digital Manufacturing	Overcoming the Biomanufacturing Challenges Through Consortium	<b>02:00 PM</b> Advanced Fluid Bed Analytical and Process Techniques  Sponsored by 	<b>02:00 PM</b> Leveraging Commercialization Options using Continuous Manufacturing	DSCSA: What Does Interoperability Require of Each Player in This Game?	Unlocking Value from Manufacturing Data Using CPV, PAT, and Converging Innovations
03:00 PM	<b>CDMO Networking Happy Hour</b> Contract Zone Pavilion   Sponsored by PBOA 							
03:15 PM	Beyond mRNA: The Next Generation of Therapeutic Modalities	CRB Tech Tank: Horizons of Aseptic Filling – Growing & Changing – Are you Ready?	How Much System/ Software Validation is Enough? A Comparison of Three Different Validation Strategies for the Same System	Design for Contamination Control in Cell and Gene Therapy Manufacturing	<b>03:00 PM</b> Tech Update: New Bench Top Freezer & Hollow Fiber Filter Advances!  Sponsored by 	<b>03:00 PM</b> Pharma Intelligence Post Pandemic State of Investment	What CDMOs Should Know About Container Closure Integrity	How to Deploy Electronic Batch Records With the Best ROI and TCO
04:00 PM	<b>INNOPHEX Networking Happy Hour</b>  Pavilion							
04:15 PM	Quantify the Stability of Vaccines & Pharmaceutical Formulations by Static Multiple Light Scattering Technology	The Hidden Costs of Compdial Water	How Artificial Intelligence and Simulation Tools Help to Improve the Filling Process	Evaluation of Tangential Flow Filtration (TFF) Control and Scaling Strategy for Viral Vector Process Development	<b>04:00 PM</b> Sensitivity, Scalability & Speed: The Value of NGS for Identity Testing of Plasmids & Viral Vectors  Sponsored by 	PDA Mini Workshop: Environmental Monitoring Sampling – Isolator/RABS Gloves		Scan QR Code For Most Up To Date Schedule

## WEDNESDAY, APRIL 26

	INNOVATION STAGE	STAGE 1	STAGE 2	STAGE 3	TECHNICAL THEATER	INTERPHEX LIVE	CONTRACT STAGE	INNOPHEX STAGE
08:00 AM	 <b>CfPIE Certification Courses</b> Requires separate registration   Learn more at <a href="http://www.cfpie.com">www.cfpie.com</a>							
10:00 AM	<b>Show Floor Open</b>   <b>INTERPHEX Poster Hall</b> Sponsored by <a href="#">BioProcess International</a>							
10:15 AM	<b>Keynote Series</b> Organ on a Chip for Pharmaceutical Development	Data Analytics and Machine Learning Applications on Aseptic Fill-finish Lines	Inline Dilution/ Conditioning Based Relay Tank System for Buffer Prep Area in Biopharmaceutical Plant	The Five Macron Particle Dilemma According Annex1: 2022 Common Misunderstandings, Next Challenges for the Adoption of a Common Strategy	<b>10:30 AM</b> Scaling-up the AAV Downstream Purification for Clinical Manufacturing  Sponsored by 			Scan QR Code For Most Up To Date Schedule

	INNOVATION STAGE	STAGE 1	STAGE 2	STAGE 3	TECHNICAL THEATER	INTERPHEX LIVE	CONTRACT STAGE	INNOPHEX STAGE
<b>11:15 AM</b>	<i>continued</i> <b>Keynote Series</b> Organ on a Chip for Pharmaceutical Development	PDA Information Series: Keys to Building Products at CDMOs Across Lifecycle Phases	The Journey of Cell and Ex-Vivo Gene Therapy Processes Towards Commercial Manufacturing	The Critical Role of Automatic Visual Inspection and Leak Detection in the Manufacturing of Pre-Filled Syringes	<b>11:30 AM</b> How Updates to EU GMP Annex 1 Impact Sterilizing Filtration in Single Use Systems <i>Sponsored by</i> 		Optimizing Your Processes To Move To Digital Validation	Achieving Unprecedented Purity by Exploiting Biophysical Fingerprints
<b>01:15 PM</b>	<b>Keynote Series</b> Applied Continuous and Modular Manufacturing Innovations	Single-Use Fluoropolymer Systems for Biomanufacturing: from Bench to Clinic	Using Wireless Sensors to Identify Critical Areas and Mitigate Quality Risks in Aseptic Processing and Packaging	An Integrated Strategy for Contamination Control – Cleaning and Disinfection Mastered!	<b>01:00 PM</b> Developing Contamination Control Strategy <i>Sponsored by</i>  <small>A Nelson Labs company</small>	<b>01:00 PM</b> Advances in Cell and Gene Therapy	Pivoting from Computer Systems Validation To FDA's Computer Software Assurance with Critical Thinking In Mind	Foundations of Pharma 4.0
<b>02:15 PM</b>		Inline Raman Monitoring as a PAT Tool for Quality Control of Cell Culture Media Preparation	Surrogate Use for Inspection Qualification: Opportunities and Risks	Demonstrating Equivalent or Better Performance: Defending Qualification of Automated Visual Inspection	<b>02:00 PM</b> Recent Developments in Magnetic Mixing Technology <i>Sponsored by</i> 	<b>02:00 PM</b> Startup of an Allogeneic CAR T Clinical Facility: Challenges and Successes	CMO Lessons Learned: Finding Efficiencies in Manufacturing and Supply Chain Operations Without Compromising Quality and Compliance	New Methods of Leak Testing Bio Bags
<b>03:15 PM</b>	Oligonucleotide Synthesis – Overcoming Production Scale Limitations	A Look into DSC, Tensile, Elongation, Modulus, & Tear Data of New Silicone Elastomers Developed for Low Temp BioPharma Applications	Essential Parameters to Monitor in Hydrogen Peroxide Bio-Decontamination Cycles	Solving Industry Pain Points through Proper Stainless Steel Connections	<b>03:00 PM</b> Sustainable Packaging and Contemporary Cartoner Design <i>Sponsored by</i> 	<b>03:00 PM</b> How to Assemble a Contamination Control Strategy in Alignment with Annex 1		<i>Scan QR Code For Most Up To Date Schedule</i>
<b>04:00 PM</b>	<b>New Exhibitor Networking Happy Hour</b> New Exhibitor Pavilion							
<b>04:15 PM</b>	Water Sustainability in the Biomanufacturing Industry	Data-driven Human Factor Control: How to Combine Frame-by-Frame Risk Profiling with Virtual Reality Simulators for Cell & Gene Therapy	Single-Use System Materials of Construction Considerations for Cell & Gene Therapy	Accelerate Your Speed to Market with Compliance: Success with a Robust Data Integrity Program	<b>04:00 PM</b> Are Shifting Modalities and Specialized Manufacturing Methods Challenging Your Operations? <i>Sponsored by</i>  APPRENTICE			<i>Scan QR Code For Most Up To Date Schedule</i>

	INNOVATION STAGE	STAGE 1	STAGE 2	STAGE 3	TECHNICAL THEATER	INTERPHEX LIVE	CONTRACT STAGE	INNOPHEX STAGE
<b>10:00 AM</b>	<b>Show Floor Open</b> <b>BioProcess International</b> <b>INTERPHEX Poster Hall</b> Sponsored by <b>BioProcess International</b>							
<b>10:30 AM</b>	Using Fundamental Properties of Powders to Optimize Flowability	Multivariate Statistical Control for Continued Process Verification: Empowering CPV Programs Even With Small Data	Critical Evaluation Criteria for the Design of Freeze-thaw Workflows for the Processing of Bulk Pharmaceuticals and Intermediates	EudraLex Annex 1 Changes and Impact to Sterilization of Product Contact Equipment				Titan LED's SpectrumSelect-Gold Clean Room LED
<b>11:30 AM</b>	Introduction to Pharmaceutical Freeze-Drying and Considerations for Scale-Up During Different Phases of a Freeze-drying Cycle	How to Develop, Test, and Manage Pharmaceutical Production Using Digital Twins	Design Considerations for Large Scale Stem Cell Manufacturing Facilities	Compressing Time to Market - Impacting GMP Delivery by Changing the Way We Build Using Operations Science & Production Management				Scan QR Code For Most Up To Date Schedule
<b>12:00 PM</b>	<b>CfPIE</b> <b>CfPIE Certification Courses</b> Requires separate registration   Learn more at <a href="http://www.cfpie.com">www.cfpie.com</a>							



**EXHIBITOR  
EVENTS**



**#INTERPHEX**

**RX** In the business of building businesses