

TUESDAY, APRIL 2, 2019

	INNOVATION STAGE	INNOPHEX STAGE <i>Sponsored by Pall Biotech</i>	INTERPHEX LIVE	CMO/CDMO STAGE	MG2/MG AMERICA PROCESSING & PACKAGING SUMMIT	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5 VENDOR TECH THEATER
	Booth 1281	Booth 3941	Crystal Palace Lobby	Booth 1053	Booth 2221	Booth 1076	Booth 1577	Booth 1877	Booth 2276	Booth 2477
9:45am - 10:00am Exhibit Hall Grand Opening & Exhibitor Awards										
10:00am - 5:00pm Show Floor Open & IPX/BPI Poster Hall										
10:30am - 11:15am	Pharmaceutical Technology Keynote Series Designing Continuous Manufacturing Processes for Solid-Dosage Drugs: Development to Commercial Scale 10:30am - 12:00pm	Maximizing Phenotypic and Genotypic Integrity in Therapeutic Cells & Demonstration BioSpherix Medical	Car-T Facility, Startup, and CQV	Critical Steps for a Successful Drug Product Tech Transfer Catalent Phama Solutions	Packaging Line with Aggregation: A Project Management Case History 11:30am - 12:00pm	PDA Roundtable: Data Integrity Across the Enterprise	A Transformational Living Cell Environment: A Paradigm Shift in Personalized Medicine that Provides the Most Comprehensive Protection Across All Cell Culture/Processing Operations	Real-Time Measurement and Controlling of Hydrogen Peroxide Bio-Decontamination Cycles	The Evolution of EBR: Augmented Batch Records	Cintas Corp.: Reusable Cleanroom Garments vs. Disposable 10:30am - 11:00am
11:30am - 12:15pm		Pharma 4.0 with Manufacturing Apps Tulip Interfaces, Inc	Leveraging Technologies into a Smart Supply Chain	Application of Nanotechnologies to Improve Drug Solubility and Bioavailability Ascendia Pharmaceuticals	Lessons Learned: An Industry Post-Serializations 12:00pm - 12:30pm	Single Use Centrifuge for Large Scale Separation and Collection of CHO and mAbs, and Other Cell Culture Applications	FDA and EU GMP Annex 1 Differences of Cleanroom Specification. Is it Not Time to Eliminate Them?	Flexible and Efficient Manufacturing Facilities: A Holistic Approach to the Design and Implementation	S.T.A.R. (Systematic Transition to Quality and Risk) WARS: May the Interface be With You!	Colder Products Company: Further your Confidence in Connection Integrity with Freeze-Thaw and Extractables Data 11:30am - 12:00pm
Tech Lunch & Learn										
1:15pm - 2:00pm	Pharmaceutical Technology Keynote Series 3D Printing Applications in Pharma: 3D Printing of Solid-Dosage Drugs: Current Capabilities and Future Vision 1:30pm - 2:15pm	Pharma 4.0 Flexible Facilities - Industry Challenges Pall Biotech	An Innovative Approach to Cell/Gene Therapy Facility Design	Piramal Pharma Solutions	Robotic Handling of Sterile-Filled Glass Vials: A Case Study 2:00pm - 3:00pm	CRB Tech Talk: Evolution of the Revolution: The Future of Cell and Gene Therapy	Continuous Aseptic Manufacturing Using Spray Freeze Drying: Equipment, Process and Product Considerations	Scaling with Single-Use Fermentation Creates Challenges to Equipment Design but Brings Economic and Productivity Benefits...Applying 45 Years of Fermenter Engineering Optimization to Design and Scaling of Single-Use Fermenters	Four Steps to Safer, More Reliable Biomanufacturing	MilliporeSigma: Beyond Bioprocessing 4.0: The Convergence of IT, OT and Processing Technologies Today and Tomorrow 1:00pm - 1:30pm
2:15pm - 3:00pm	Accelerating Additive Manufacturing for Bio/Pharma 2:15pm - 3:00pm	Downstream Processing Challenges in Cell Therapy Manufacturing & Demonstration Terumo BCT	Collaboration & Proven Results: Where Do We Go from Here? SUPAC? QbD?	Isolator Based Flexible Filler Berkshire Sterile Manufacturing		CRB Tech Talk: From Blank Paper to a State of the Art Phase 3 / Commercial Gene Therapy Manufacturing Facility	In-Line Monitoring and Real-Time-Release	Single-Use Filling Systems Maximize Filling Line Flexibility and Efficiency	Single-Use System Supports a Freeze/Thaw Platform Capable of Providing an End-to-End Solution for Fluid Drug Substance Inter-Facility Storage and Delivery	SP Scientific/PennTech: From Formulation to Full Commercialization: Scaling Up with Line of Sight 2:00pm - 2:30pm
3:15pm - 4:00pm	PAT-based Linear pH Gradient as an Alternative Platform to Downstream Process Monoclonal Antibodies	Novel Bioprocessing Strategies for Cell/Gene Therapy and Biomedical Engineering Esco Technologies	Pharma Intelligence: 2019 State of Investment	Contract Services Networking Event Sponsored by PBOA 3:00pm - 4:00pm	Advantages of Standardized and Fully Integrated Automation Solutions for Processing & Packaging Lines 3:00pm - 4:00pm	CRB Tech Talk: Isolators for Cell and Gene Therapy	Aseptic Processing: Achieving Advanced While Staying Flexible	Regulations For Submitting Tableting & Encapsulating Machine Transactions Online	Innovative RAPA (Risk Analysis & Preventative Actions) Approach Case Study of OSD High Potent (OEL1 to OEL5) Facilities Design Meeting cGMP & HSE Requirements	BOSCH Packaging Technology: Xelum®, Latest Insights into the New BOSCH Continuous Manufacturing Platform 3:00pm - 3:30pm
4:15pm - 5:00pm	Smart Evolution: Planning Your First Laboratory or Manufacturing Facility	INNOPHEX Networking Sponsored by Germfree 4:00pm - 5:00pm	Oral Administration and Therapy			Innovative GAPA (Gap Analysis & Preventative Actions) Design Approach Case Study: cGMP Sterile Facilities Design New Trends Involving Continuous Process Validation Guidelines (FDA2011)	Risk Management Strategies to Achieve Containment Performance Targets for ADC Applications	A Risk Based Approach for Cleaning and Disinfection Program	Exploring a Blockchain Enabled Supply Chain	Antares Vision North America: Automated Visual Inspection: Good Specifications are the Start of Successful Validation 4:00pm - 4:30pm

WEDNESDAY, APRIL 3, 2019

	INNOVATION STAGE	INNOPHEX STAGE <i>Sponsored by Pall Biotech</i>	INTERPHEX LIVE	CMO/CDMO STAGE	MG2/MG AMERICA PROCESSING & PACKAGING SUMMIT	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5 VENDOR TECH THEATER
	Booth 1281	Booth 3941	Crystal Palace Lobby	Booth 1053	Booth 2221	Booth 1076	Booth 1577	Booth 1877	Booth 2276	Booth 2477
10:00am -12:00pm IPS Technology Tours (Registration Required)										
10:00am -3:00pm Show Floor Open & IPX/BPI Poster Hall										
10:00am - 10:45am	Pharmaceutical Technology Keynote Series Meeting Bioprocessing Manufacturing Capacity Demands: State of the Bioprocessing Industry: Global Shifts in Capacity, Innovations, and Trends in Outsourcing 10:30am - 11:00am Solutions for Efficient, Cost-Effective Biologic Drug Manufacturing 11:00am - 12:00pm	Novel Approaches and Future Directions for Viral Vector Manufacturing Pall Biotech	Advanced & Highly Adaptive Automation Technology Integrated with Industry 4.0 Trends Lubrizol Life Sciences	A CDMO Perspective on the Formulation and Manufacturing of Complex Dosage Forms Lubrizol Life Sciences	Continuous Manufacturing in the Pharma Industry: A Systematic End-to-End Method for Continuous Process Development 10:30am - 11:30am	Facility Focus: Single Use BioManufacturing: Designing the Facility of the Future	How to Increase Efficiency and Flexibility with Single Use Fermentors	Overcoming the Unique Challenges of Small Batch Aseptic Fill-Finish in Cell & Gene Therapy Applications	Walking Through a Practical Energy Conservation Program (ISO50001) Using an IoT Technology for Compressed Air Usage at a Large Pharma Facility	MilliporeSigma: Using Single-use Technology to Enable Single-pass Tangential Flow Filtration 10:30am - 11:00am
11:00am - 11:45am	10:30am - 11:00am Solutions for Efficient, Cost-Effective Biologic Drug Manufacturing 11:00am - 12:00pm	Smartfreezer: An Advanced Cryovials Robotic Storage Solution Angelantoni Life Science S.r.l.	Adding Intelligence to Legacy Assets Through Artificial Intelligence & Domain Expertise for Operational Excellence	Outsourcing the Manufacture of your Lyophilized Aseptic Product LSNE Contract Mfg.	Integrated Solutions for Continuous Manufacturing in Oral Solid Dosage Forms 11:30am - 12:15pm	How Are You Driving Speed to Market?	CFD for Clean Environment: Application Examples	It's the Climb: Scaling the Digital Transformation Mountain One Step at a Time	Cyber Resilience: Ensuring your Infrastructure can withstand Adverse Effects and Attacks without Jeopardizing Productivity	Contec Inc.: The Hidden Problems with Relaundering Microfiber Mops 11:30am - 12:00pm
Tech Lunch & Learn										
1:00pm -3:00pm IPS Technology Tours (Registration Required)										
1:15pm - 2:00pm	Pharmaceutical Technology Keynote Series Minimizing Contamination in Aseptic Manufacturing: Aseptic Processing: Industry Trends and Challenges 1:30pm - 2:00pm	Approaches and Future Directions for Cell Therapy Product and Process Development Pall Biotech	A Path Towards a Better Freeze Drying Product & Process Using Mass Spectrometry	Avid Case Study: Taking Your Molecule through Process Validation Avid Bioservices, Inc.	MG2/MG America Processing & Packaging Networking Event 12:30pm - 1:45pm	Facility Focus: Priming Projects for Success: Planning and Capital Appropriation for GMP Facilities	Taking Advantage of Your Manufacturing Data: BioPhorum's Big Data to Smart Data Initiative	The New Horizons in the Cleanroom Monitoring After the Issuance of ISO 14644-2:2015	Rethinking Cleaning Validation for API Manufacturing	CustomVault: Ten Steps to DEA Compliance for Pharma (21 CFR 1301.72) 1:00pm - 1:30pm
2:15pm - 3:00pm	Tech Talk: Top Issues and How New Technologies and Services Address Them 2:15pm - 2:40pm Regulatory Issues and Innovation 2:40pm - 3:15pm	Germfree bioGO: Planning for the Future with Adaptive Modular Facility Design Germfree	Car-T Cell Advancements	Strategic Monitoring Sensor Placement Masy Systems, Inc.	Continuous Drug Product Manufacturing: Moving from Oral Solid Dosage Forms to Dry Powders for Inhalation 2:00pm - 3:00pm	PDA Roundtable: Pharma 4.0 and Regulatory Readiness	Case study: Un-Optimized Procedures and Practices Leading to Recurring Microbial Contamination in Grade A (ISO 5)	Facility Intensification and Cost Reduction Opportunities Using an Integrated Buffer Delivery Platform	Cleaning Cycle Development for Parts Washers	BOSCH Packaging Technology: Automated Process Development for Hard Capsule Filling - A New Technology for Real Quality by Design 2:00pm - 2:30pm
3:15pm - 4:00pm	A QbD Approach Towards Manufacturing of Parenteral Packaging Components with First Line USA	Facility Design for Cell and Gene Therapy Facilities G-Con Manufacturing	Biosimilars 5.0	Contract Services Networking Event Sponsored by PBOA 3:00pm - 4:00pm	Containment Solutions: General Concepts and Real Applications in Encapsulation Process 3:00pm - 4:00pm	Grade B or not to B: Starting Vial Break and Other Open Cell Culture Processes	Next-Generation, Integrated Single-use pH, Dissolved Oxygen, and Pressure Instrumentation for Bioprocessing	Combining Industry 4.0 and Big Data to Reduce Manufacturing Costs	Quality Systems - It's a 'Risky' Business	Qure Medical: Thermoset Elastomer or TPE? How to Choose the Right Material 3:00pm - 3:30pm
4:15pm - 5:00pm	Cleaning Chromatography Resin Residues from Surfaces: Evaluation of Cleaning Process Design for Non-Dedicated Chromatography Columns	Development of a Formulation to Improve Stability of Herpes Simplex Virus Type 1 Integrity Bio Inc.	Regulatory Review: What's New?			Comparative Assessment of Multi-Use Component (Diaphragm Valves & Hygienic Gaskets) Service Life	Flexibility and Predictability: How to Achieve Both in New Facilities	Computational Fluid Dynamics - A Modeling Tool for Clean Room Airflow	Critical Utilities Support of Continuous Manufacturing: The Keys to Success	Aptar Pharma 4:00pm - 4:30pm

THURSDAY, APRIL 4, 2019

	INNOVATION STAGE	INNOPHEX STAGE <i>Sponsored by Pall Biotech</i>	INTERPHEX LIVE	CMO/CDMO STAGE	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5 VENDOR TECH THEATER
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	10:00am - 3:00pm Show Floor Open & IPX/BPI Poster Hall								
10:00am - 10:45am	Using Simulation for Optimization Throughout the Facility Lifecycle	New Scalable Single Use Platform for Bulk Drug Substance FREEZE/SHIP/THAW Processes Based on Bags Single Use Support GmbH	PDA Roundtable: Slowing Down - The Need for Flexibility Over Speed		Reducing Business Risk and Improving Data Integrity Through cGMP Meeting FDA ALCOA(+) Requirements	Viral Safety of Cleaned Surfaces Using a Risk Based Approach	Design Aspects for Facilities Employing Single Use Technology	Technology Solutions for Challenges in Cold Chain Storage and Transportation	
11:00am - 11:45am	Stopping Infections - How Hospital Flooring Factors Into Life or Death Solutions	Creating a Culture of Asset Reliability Maintenance Strategies Inc.	Isolation and Containment in Cell and Gene Therapy Applications		Requirements of 2019 Edition of NFPA 652 Standard on Combustible Dust - On Your Way Towards Compliance?				