

	JANUARY	FEBRUARY	MARCH
CLOSING DATE	December 16	January 13	February 10
SPECIAL REPORTS	Groundbreakers: Tomorrow's Facilities Today	Ensuring Patient Safety and Product Quality: Excipient and API Variability and the Role of Analytics	8th Annual Career Satisfaction and Salary Survey
PHARMA AND BIOPHARMA OPERATIONS	Ensuring Quality in Downstream Bioprocessing <ul style="list-style-type: none"> • separations • chromatography 	Lyophilization	Aseptic Processing
TECHNOLOGY AT WORK	Solid Dosage Form Manufacturing	Pumps, Valves, Fluid Control	Cleanroom Technologies
RESOURCES FOCUS (COMPILATION OF TOOLS AND RESOURCE DOCUMENTS)	Tank/Vessel Selection & Operation	Single-Use Systems and Components	Contract Partner Selection
COMPLIANCE, QA AND QC	Machine Vision: Error-proofing	Ingredient Quality & Patient Safety <ul style="list-style-type: none"> • regulatory update • role of third-party audits 	Information & Knowledge Management
PROCESS AUTOMATION AND CONTROL	Calibration	Process Monitoring	Sensors
SUPPLY CHAIN AND INFORMATION MANAGEMENT	Excipient & API Quality Management	Mobile Data Access	Serialization
OUTSOURCING EXCELLENCE	Outsourcing Excellence	Outsourcing Excellence	Outsourcing Excellence
PHARMAMANUFACTURING.COM WEBCASTS		Groundbreakers: Tomorrow's Facilities Today	
SPECIAL SHOW COVERAGE	IFPAC January 22-25, Baltimore Informex February 14-17, New Orleans	GPhA Annual Meeting (Generic Pharmaceutical Association) February 22-24, Orlando Pittcon March 11-15, Orlando	PDA Annual Meeting April 16-20, Phoenix

	APRIL	MAY	JUNE
CLOSING DATE	March 16	April 13	May 11
SPECIAL REPORTS	Report on the State of Pharmaceutical Manufacturing	Sustainable Pharma	Biopharmaceutical Manufacturing Trends
PHARMA AND BIOPHARMA OPERATIONS	Optimizing Upstream Bioprocessing <ul style="list-style-type: none"> • process control/optimization • dissolved gas management • optimizing pH 	Batch Control & Management <ul style="list-style-type: none"> • batch automation • data organization & presentation 	Pharma Grade Water
TECHNOLOGY AT WORK	Temp, Pressure, and Humidity Measurement	Filtration	Motors & Drives
RESOURCES FOCUS (COMPILATION OF TOOLS AND RESOURCE DOCUMENTS)	Flow/Fluid Control	Tableting	Environmental Monitoring & Control
COMPLIANCE, QA AND QC	Quality Management Systems <ul style="list-style-type: none"> • risk management • quality agreements • data transfer issues 	Microbiological Best Practices	Supplier Oversight
PROCESS AUTOMATION AND CONTROL	Biopharma Process Control	Level and Fluid Measurement	Wireless Monitoring, Data Loggers, Sensors
SUPPLY CHAIN AND INFORMATION MANAGEMENT	Managing Contractors	Predictive & Preventive Maintenance <ul style="list-style-type: none"> • asset management • data management & analysis 	Anticounterfeiting
OUTSOURCING EXCELLENCE	Outsourcing Excellence	Outsourcing Excellence	Outsourcing Excellence
PHARMAMANUFACTURING.COM WEBCASTS			Biopharmaceutical Manufacturing Trends
SPECIAL SHOW COVERAGE	Interphex May 1-3, New York City		BIO June 18-21, Boston DIA Annual Meeting June 24-28, Philadelphia

	JULY/AUGUST	SEPTEMBER	OCTOBER	NOVEMBER/ DECEMBER
CLOSING DATE	July 13	August 17	September 14	November 9
SPECIAL REPORTS	Top Pharma Innovations	Outsourcing Excellence: Managing Risk, Quality Systems & Supply Chain	Lean Manufacturing/ Operational Excellence	Winners and Sinners: Special Report on FDA Compliance
PHARMA AND BIOPHARMA OPERATIONS	Decreasing Time to Market	Sterile Filtration	Continuous Operations <ul style="list-style-type: none"> • API/finished drug implementations • PAT and real-time release • process validation 	Chromatography & Separations
TECHNOLOGY AT WORK	Mixing/Blending	Rapid Microbiological Methods	Valves: Selection & Technology	Packaging Technologies
RESOURCES FOCUS (COMPILATION OF TOOLS AND RESOURCE DOCUMENTS)	Managing Lyophilization Processes	Moisture & Humidity Testing and Management	Materials Inspection	Dry Materials Handling
COMPLIANCE, QA AND QC	Compliance Software	Highly Active API Management <ul style="list-style-type: none"> • containment • protective apparel • cleanroom design 	Optimizing PAT	Worker Safety <ul style="list-style-type: none"> • OSHA issues • protective apparel • containment
PROCESS AUTOMATION AND CONTROL	Lifecycle Simulation Models	Automation & Control Trends	Asset Management	Process Monitoring
SUPPLY CHAIN AND INFORMATION MANAGEMENT	Planning Production	Data Capture & Management	Outsourcing Excellence	Software Validation; 21 CFR Part 11
OUTSOURCING EXCELLENCE	Outsourcing Excellence	Outsourcing Excellence	Lean Manufacturing/Operational Excellence	Outsourcing Excellence
PHARMAMANUFACTURING.COM WEBCASTS				
SPECIAL SHOW COVERAGE			AIChE October 28-November 2, Pittsburgh IBC BioProcess International Conference Pack & Process Expo October 28-31, Chicago AAPS November 11-15, Chicago. ISPE Annual Meeting November 11-14, San Francisco	