## TUESDAY, APRIL 28, 2020

<table>
<thead>
<tr>
<th>TIME</th>
<th>CONTRACT/CHEMSPEC USA STAGE</th>
<th>INNOVATION STAGE</th>
<th>INNOPHEx STAGE Cooled by:</th>
<th>INTERPHEX LIVE</th>
<th>MG2/MG AMERICA PACKAGING &amp; PROCESSING SUMMIT</th>
<th>ATS AUTOMATION FORUM</th>
<th>STAGE 1</th>
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<th>STAGE 5 TECH WORKSHOPS</th>
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<tbody>
<tr>
<td>9:45am - 10:00am</td>
<td>Booth 1058</td>
<td>Booth 1281</td>
<td>Booth 4028</td>
<td>Booth 2221</td>
<td>Booth 2922</td>
<td>Booth 1076</td>
<td>Booth 1577</td>
<td>Booth 1877</td>
<td>Booth 2276</td>
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### 10:30am - 11:30am

**Pharmaceutical Technology Keynote Series**

- **Commercialization Challenges for Cell and Gene Therapies**
  - Jeanne Molendaun, VP, Excellent Pharma Consulting; Dr. Tony Cundell, Microbiological Consulting, LLC

- **Emerging Technologies in Assembly Automation**
  - Coming Soon

### 11:00am - 12:00pm

**ExpressCells**

- **Safe and Efficient Approaches to Terminal Sterilization**
  - Oscar Perez-Leal, MD

### 12:00pm - 1:00pm

**BioSpherix Medical**

- **Coming Soon**

### Break for Lunch

**ICG Consultants Lunch and Learn**

12:00pm - 1:00pm

### 1:00pm - 2:00pm

**Pharmaceutical Technology Keynote Series**

- **Developing the Solid Dosage Form of the Future**
  - Coming Soon

### 1:30pm - 2:30pm

**Avid Bioservices**

- **Continuous Bioprocessing**
  - Douglas Hausner, PhD, Rutgers University; Eric Langer, BioPlan Associates, Inc.

- **Automation in Aseptic Environment, Isolator, RABS**
  - Coming Soon

- **CRB Tech Tank: Isolators in Cell Therapy Processing: Why, How, and Pitfalls to Avoid**
  - CRB Tech Tank: Isolators in Cell Therapy Processing: Why, How, and Pitfalls to Avoid

### 2:30pm - 3:30pm

- **CRB Tech Tank: Multi-modal Facilities: Delivering Flexible, Future-proof ATMP Facilities**
  - Coming Soon

- **Enhancing Your Organization's Expertise in Quality and Supply Chain Security**
  - Continuous Manufacturing Processes Design, Development, and Control
  - Colder Products Company
  - 2:00pm - 2:30pm

### 3:30pm - 4:30pm

- **CRB Tech Tank: Multi-modal Facilities: Delivering Flexible, Future-proof ATMP Facilities**
  - Coming Soon

### 4:30pm - 5:00pm

- **Is Your Operating Culture Ready for Smart Manufacturing?**
  - Coming Soon

- **Quality by Design (QbD) in the Era of Cell and Gene Therapy: Taking it to the Next Level**
  - Quality by Design (QbD) in the Era of Cell and Gene Therapy: Taking it to the Next Level

- **Leveraging Master Soil Selection: Cleaning Validation Design Phase Through of an Automated Parts Washer**
  - LB Bohle LLC
  - 4:00pm - 4:30pm

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**REGISTER FOR YOUR TECHNICAL CONFERENCE AND EXHIBIT HALL PASS AT:** [WWW.INTERPHEX.COM/REGISTER](http://WWW.INTERPHEX.COM/REGISTER)
## INTERPHEX NO COST TECHNICAL CONFERENCE
### April 28-30, 2020 | JAVITS CENTER | NYC

### WEDNESDAY, APRIL 29, 2020

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**Register for your Technical Conference and Exhibit Hall Pass at:** [WWW.INTERPHEX.COM/REGISTER](http://WWW.INTERPHEX.COM/REGISTER)

### THURSDAY, APRIL 30, 2020

#### CONTRACT/ CHEMSPEC USA STAGE
Booth 1058

#### INNOVATION STAGE
Booth 1281

#### INNOPHEX STAGE
Booth 4028

#### INTERPHEX LIVE
Lobby/CP2

#### MG2/MG AMERICA PACKAGING & PROCESSING SUMMIT
Booth 2221

#### MG2/MG AMERICA PACKAGING & PROCESSING SUMMIT
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<td>10:15am – 11:00am</td>
<td>Big Data Analytics of Freeze Drying Process and Equipment</td>
<td>Supply Chain</td>
<td>Wayne Winegarden, PhD, Pacific Research Institute and PRI Center for Medical Economics and Innovation</td>
<td>Automated Aseptic Filling Option for Buffer, Media and Process Intermediates Increases Speed, Operational Flexibility, and Repeatability</td>
<td>Integrating PAT into PAS for Continuous Manufacturing in Pharmaceutical Industry</td>
<td>Optimization of Final Filtration Operations Using Single-Use Systems</td>
<td>Four Steps Toward Connected Biomanufacturing: Process Concepts from Start to Finish with Brilliant Potential</td>
<td>SUEZ Sievers Instruments</td>
<td>10:30am - 11:00am</td>
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<td>How Leveraging Data will Transform the Pharma Industry</td>
<td>Emerging Technologies in Assembly Automation</td>
<td>Manufacturing of Viral Vectors: Current Facility Design and Lessons Learned</td>
<td>Plug and Play Automation for Single Use Equipment</td>
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<td>Advances in Artificial Intelligence and Real Applications in Pharmaceutical Manufacturing</td>
<td>Automation in Aseptic Environment, Isolator, RABS</td>
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