



Application of Automation and Intelligent Systems to Bioassays

Virtual | December 2-3, 2026
All times are in US Pacific



2026 Proposed Session Topics

Automation Platforms, Digital Foundations & Lifecycle Qualification

Podium Talks Now Being Recruited:

- Modernization of Bioassay Platforms Through Automation and Digital Integration
- From Manual Pipettes to Robotic Arms: A Practical Roadmap for Automation Adoption
- Audit-Ready Digital Workflows for Potency Assays
- Automation For Complex Products/Modalities

Regulatory Strategy, Inspection Readiness & Real-World Case Studies

Podium Talks Now Being Recruited:

- Validating Automated Assays: Aligning with ICH Q2(R2) and Q14 Expectations
- Four Years, Multiple Assays, One Goal: Lessons Learned from Semi-Automation of Potency Testing in GMP
- Inspection-Ready Automation: Regulatory Expectations
- Reducing Variability Through Automated Execution: Case Study

Method Development, Validation & Statistical Rigor for Automated Potency

Podium Talks Now Being Recruited:

- Statistical Rigor for Automated Potency: Modern Approaches to Drift and Outliers
- Predictive Monitoring for Bioassays: Turning Digital Signals into Actionable Insights
- Optimization of Potency Assays: The Use of Digital Twins
- Automating QC Review for Automated Potency Assays

AI Integration, Predictive Analytics & Intelligent Assay Control

Podium Talks Now Being Recruited:

- Practical AI Implementation in GMP Bioassays: From Pilot to Governance
- Software Validation for Automated Bioassays
- Global Harmonization of Automated Workflows
- Intelligent Assay Control: Predictive Analytics for Real-Time Bioassay Management

2 half-days of **podium presentations** plus **panel discussions!**

**Now Accepting
Podium Abstracts!**

Abstract Submission

**Don't see your topic?
Submit your abstract anyway!**

BEBPA is always looking to expand the concepts we cover during our events. These are often our most beloved talks!

Planning Committee & Panelist Members

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