

If you are working in any of the following scientific/business topic areas, we encourage you to submit a proposal for a podium presentation. We are especially looking for case studies with new data on the following topic areas:

Digitalization, AI & Advanced Analytics

- AI and machine learning applications in bioprocess development and manufacturing
- Predictive modeling for process optimization, scale-up, and tech transfer
- Digital twins for upstream, downstream, and integrated process design
- Data strategy and data governance enabling AI-ready bioprocessing
- Real-world lessons learned from deploying AI and advanced analytics at scale

Automation & Smart Manufacturing

- End-to-end automation strategies for biologics manufacturing
- Closed-loop and adaptive process control
- PAT, soft sensors, and real-time monitoring approaches
- Robotics and autonomous operations in upstream and downstream processing
- Integrating automation across legacy and new facilities

Cell Line Development & Upstream Innovation

- Next-generation cell line engineering and selection strategies
- High-productivity and high-titer cell culture processes
- Process intensification and intensified fed-batch or perfusion approaches
- Media, feed, and process optimization using data-driven methods

Downstream Processing & Recovery Advances

- Novel harvest, clarification, and capture technologies
- Continuous and semi-continuous downstream processing
- Platform versus molecule-specific downstream strategies
- Improving robustness, yield, and cost efficiency in purification

Manufacturing Strategy & Bioprocessing 4.0

- Implementing Bioprocessing 4.0 in commercial manufacturing
- Digital transformation roadmaps and organizational change management
- Scaling manufacturing capacity in Asia: speed, flexibility, and resilience
- Sustainability and efficiency through smart manufacturing strategies

CMC, MSAT & Tech Transfer Excellence

- Data-enabled tech transfer across sites and regions
- Lifecycle management from development through commercialization
- Bridging development and manufacturing through digital tools
- Managing variability and risk using advanced analytics

Cell & Gene Therapy Manufacturing

- Scalable process development for CGT products
- Automation and digitalization in viral vector and cell therapy manufacturing
- Platform approaches to accelerate development and reduce COGS

Questions about submitting a speaker proposal?

Contact Barry Walsh at <mailto:barry.walsh@informa.com>