

# Event at a Glance

2018 STREAMS

	Monday - Tuesday August 13-14	Wednesday - Thursday AM August 15-16	Thursday PM - Friday August 16-17
<b>Upstream Processing</b>	Optimizing Cell Culture Technology	Bioproduction: Scale, Bioreactors & Disposables	Optimizing Cell Line Development
<b>Downstream Processing</b>	Continuous Processing in Biopharm Manufacturing*	Advances in Purification & Recovery	Detection, Characterization and Control of Impurities in Biologics †
<b>Analytical &amp; Quality</b>	Host Cell Proteins	Accelerating Analytical Development	Process Characterization and Control
<b>Formulation &amp; Stability</b>	Rapid Methods to Assess Quality & Stability of Biologics	High-Concentration Protein Formulations	Detection, Characterization and Control of Impurities in Biologics †
	Overcoming Formulation Challenges for Biopharmaceuticals Development		Introduction to Biologics Formulation Development †
<b>Cell Therapy</b>	Cell Therapy CMC and Analytics	Cell Therapy Manufacturing	Design of Experiments for Cell and Gene Therapies †
<b>Gene Therapy</b>		Gene Therapy CMC and Analytics	Gene Therapy Manufacturing
<b>Manufacturing</b>	Continuous Processing in Biopharm Manufacturing*	Manufacturing 4.0	
 <p>By Cambridge Healthtech Institute</p>	Introduction to Bioprocessing	A Line-of-Sight Approach to Continued Process Verification Planning	Fundamentals of Proteins and Protein Solutions
	Regulatory Requirements across the Product Development Lifecycle	Introduction to Analytical Method Development and Validation for Therapeutic Proteins	Introduction to Downstream Processing
	Introduction to Working with CROs, CDMOs, and CMOs	Introduction to Cell Culture	Designing Flexible Facilities for Bioprocess Development and Manufacturing
	Potency Bioassay: Practical Approaches to Development and Validation	Bioprocess Strategies from Development to BLA	Introduction to Biologics Formulation Development
	Data Management in Biotherapeutic Analytical and Process Development	Design of Experiments for Cell and Gene Therapies	
	<b>SHORT COURSES</b> Monday, August 13	<b>DINNER SHORT COURSES</b> Tuesday, August 14	<b>DINNER SHORT COURSES</b> Thursday, August 16

\* Streams 2 & 7; † Streams 2 & 4, †Training Seminar