



Sept. 15 - Program

	Section	Section Chair	Title	Presenter	
10:00-10:30	Session 1	Modelling, Monitoring, Measurement & Control (M3C)	Gerald Striedner	Applications of hybrid models for up- and downstream enabling better process understanding, faster development and model predictive control	Dr. Mark Dürkop Novasign GmbH
10:30-11:00				Moving towards fully autonomous model-based high-throughput bioprocess development and clone discrimination	Dr. Sebastian Hans TU Berlin
11:00-11:30				Present and Future of Biologics Production: Navigating a Shifting Industry	Dr. Chris William Roche Penzberg
11:30-12:00				Advanced modelling in mAb manufacturability prediction	Micael Karlberg Newcastle University
BREAK					
14:00-14:20	Session 2	Bioreactors	Christian Dusny Krist V. Gernaey	Continuous bioprocessing in capillary microreactors	Rohan Karande Helmholtz-Centre for Environmental Research
14:20-14:40				Mimicking dynamic environments at the microscale: From concept to application	Alexander Grünberger University of Bielefeld
14:40-15:00				Mitigation of phenotypic instability of microbial populations during continuous cultivation based on automated single cell technologies	Frank Delvigne University of Liège
15:00-15:20				Simulation of bioreactor dynamics coupled to metabolic modelling	Cees Haringa DSM
15:20-15:40				Investigation of population heterogeneity across scales	Stefan Junne & Peter Neubauer Technical University of Berlin
15:40-16:00	A practical approach to achieving data-Driven feedback control in cellulosic fermentations based on mid-infrared spectroscopy	Pau Cabañeros Lopez Technical University of Denmark			