

Day	Time	Session	Time	Name	Affiliation	Country	TITLE
Sunday 5 May	16.00-17.30	Opening Session	16.00	Volker Sandig	ProBioGen	Germany	INNOVATION AWARD LECTURE: CELL ENGINEERING - A SMALL STEP FOR THE BIOTECHNOLOGIST, A LEAP FOR THE APPLICATION?
	17.30-19.00	1. Cell Engineering, novel technologies and the use of omics	17.30	Ron Weiss	MIT	USA	MAMMALIAN SYNTHETIC BIOLOGY: CELL CULTURE AND THERAPEUTIC APPLICATIONS
			18.00	Simon Fischer	Boehringer Ingelheim Pharma	Germany	A NEWLY IDENTIFIED SMALL RNA REGULATES NGNA SIALYLATION IN CHO CELLS
			18.20	Pierre-Olivier Duroy	Université de Lausanne	Switzerland	CHARACTERIZATION AND INACTIVATION OF ENDOGENOUS RETROVIRUSES IN CHO
			18.40	Neza Nowak	Austrian Center of Industrial Biotechnology	Austria	AN INNOVATIVE CRISPR/ASCPF1 SCREEN IN CHO CELLS
Monday 6 May	9.00-10.30	2. Cell Engineering, novel technologies and the use of omics	9.00	Veronique Chotteau	KTH Stockholm / Medimmune	Sweden	OMICS FOR HIGH CELL DENSITY AND SHEAR STRESS IN PERFUSION PROCESSES
			9.20	Sven Mathias	University Biberach	Germany	CHARACTERISATION OF BOTTLENECKS IN CURRENT CHO PRODUCTION CELL LINES
			9.40	Nuša Pristovšek	DTU	Denmark	SYSTEMATIC EVALUATION OF SITE-SPECIFIC RECOMBINANT GENE EXPRESSION
			9.55	Leon Pybus	FUJIFILM Diosynth Biotechnologies	UK	OVERCOMING CELLULAR HETEROGENEITY DURING CELL LINE DEVELOPMENT
			10.10	Che Lin Kim	DTU / KAIST	Denmark / South Korea	RECOMBINANT HUMAN BMP-4 PRODUCTION IN BMP RECEPTOR KNOCKOUT CHO CELLS
			10.15	Krishna Motheramgari	NIBRT	Ireland	ANALYSIS OF CHROMATIN ACCESSIBILITY IN CHO CELLS USING ATAC-SEQ
			10.20	Yusuf Johari	University of Sheffield	England	CHO GENOME MINING FOR SYNTHETIC PROMOTER DESIGN
			10.25	Bhanu Chandra Mulukutla	Pfizer	USA	METABOLIC ENGINEERING TO REDUCE GROWTH INHIBITORY BYPRODUCTS FORMATION

	11.00-12.30	3. Cell culture process controls and analytics	11.00	Michael Betenbaugh	Johns Hopkins	USA	GLOBAL AMINO ACIDS METABOLIC PROFILING IN CHO CELLS WITH 13-C LABELING
			11.30	Iris Bodenmann	Selexis	Switzerland	BEACON CLD PLATFORM, FROM SINGLE CELL PRODUCTIVITY TO SMALL BIOREACTOR
			11.50	Shawn M Lawrence	Regeneron	USA	CLOSING THE LOOP ON CELL CULTURE ANALYZER VARIABILITY
			12.10	Sen Xu	MSD	USA	EFFECTIVE BIOREACTOR PH CONTROL USING ONLY SPARGING GASES
			12.15	Wenzel Wellenbeck	Bayer	Germany	COMPARING DIFFERENT AT-LINE ANALYTICS FOR ONLINE RAMAN SPECTROSCOPY
			12.20	Doug Marsh	GSK/Sartorius	UK	INVESTIGATING CHO SCALABILITY
			12.25	Johannes Möller	Hamburg University of Technology	Germany	PROCESS-INDUCED CELL-CYCLE SYNCHRONIZATION
	15.00-16.30	4. Use of viral- and non-viral vectors for generating new therapeutic products and vaccines	15.00	Lesley Chan	Bluebird	USA	DEVELOPING PRODUCTIVE AND SCALABLE LENTIVIRAL VECTOR PRODUCTION PROCESSES
			15.25	Joana Boura	Oxford BioMedica	UK	ACCELERATED DEVELOPMENT OF PRODUCER CELL LINES FOR LV PRODUCTION
			15.45	Bethany Kerr	CPI	UK	HT OPTIMISATION OF SCALABLE TRANSFECTION CONDITIONS FOR AAV PRODUCTION
			16.05	Ana Sofia Coroadinha	IBET	Portugal	ENABLING GENE AND CELL THERAPY: LENTIVIRAL VECTOR & CELL ENGINEERING
			16.25	Irene González-Domínguez	UNIVERSITAT AUTÒNOMA DE BARCELONA	Spain	UNDERSTANDING VIRUS-LIKE PARTICLE (VLP) GENERATION IN HEK 293 CULTURES
	17.00-17.30	5. Use of viral- and non-viral vectors for generating new therapeutic products and vaccines	17.00	Sascha Young Kupke	Max Planck Institute, Magdeburg	Germany	A NOVEL TYPE OF DEFECTIVE INTERFERING PARTICLE FOR ANTIVIRAL THERAPY
			17.05	Robert Baffi	BioMarin	USA	STRATEGIC PROCESS DEVELOPMENT ADDRESSING THE CHALLENGES AND OPPORTUNITIES IN BRINGING ADVANCED THERAPEUTICS TO MARKET
	17:30-18:30	Keynote 1	17.30	Peter Zandstra	University of British Columbia, Vancouver	Canada	BOTTOM-UP AND TOP-DOWN ENGINEERING OF STEM CELLS FATE FOR DISCOVERY AND THERAPY

<b>Tuesday 7 May</b>	9.00-10.30	6. Cell culture process engineering, product quality and integration with downstream processing	9.00	Jeff Salm	Pfizer	USA	HAPPY TOGETHER: THE BENEFITS AND APPLICATION OF A FULLY INTEGRATED BIOPROCESS
			9.30	Katrin Paul	TU Wien	Austria	APPLICATION OF 2-COMPARTMENT SYSTEM TO STUDY LARGE-SCALE HETEROGENEITY
			9.35	Jana Mahadevan	MilliporeSigma	USA	ARE YOU FEEDING MORE CELLS THAN YOU THINK?
			9.40	Inn Yuk	Genentech	USA	CELL CULTURE PROCESS PARAMETERS FOR MODULATING MAB AFUCOSYLATION
			9.45	Pavlos Kotidis	Imperial College London	UK	ACCOUNTING ENZYME REGULATION IN PROTEIN GLYCOSYLATION MODELS
			9.50	Natalia Gomez	Amgen	USA	HIGH-DENSITY PERFUSION: IMPROVEMENTS IN PRODUCTIVITY & PRODUCT QUALITY
			10.10	Nils Brechmann	KTH	Sweden	MAGNETIC BEAD PURIFICATION OF MAB FROM CHO CELL BROTH AT PILOT SCALE
	11.00-12.35	7. Development of cell-based technologies and therapeutics	11.00	Nick Timmins	Bluerock	USA	BIOLOGY INSPIRED CELL THERAPY MANUFACTURING
			11.30	Catarina Brito	iBET	Portugal	A FLEXIBLE 3D HUMAN HEPATIC CELL PLATFORM FOR MALARIA DRUG DISCOVER
			11.50	Nikolas Zeh	University of Applied Sciences Biberach	Germany	ENGINEERING OF EXOSOMES FOR TARGETED DELIVERY OF THERAPEUTIC MICRO-RNAS
			12.10	Nuria Ribo	Banc de Sang i Teixits	Spain	BONE-MARROW EXPANDED MESENCHYMAL STROMAL CELLS FOR BONE GENERATION
			12.15	Agustina Gugliotta	CBL	Argentina	GLYCOSYLATION VS RECEPTOR AFFINITY TO IMPROVE IFN4N ANTITUMOR ACTIVITY
			12.20	Betina Ricci	GENEDATA	USA	INDUSTRIALIZING IMMUNO-ONCOLOGY THERAPEUTIC DISCOVERY PLATFORMS
12.25			Ana Fernandes-Platzgumm	IST/Lisbon Univ	Portugal	EVALUATION OF HMSC-DERIVED EXTRACELLULAR VESICLES BY FTIR SPECTROSCOPY	

<b>Wednesday 8 May</b>	9.00-10.30	8. Cell culture process controls and analytics	9.00	Jette Wypych	Amgen	USA	DEVELOPMENT AND APPLICATION OF A MASS SPECTROMETRY BASED MULTI-ATTRIBUTE METHOD FOR PROTEIN THERAPEUTICS
			9.30	Shawn Barrett	Sanofi	USA	INTEGRATION OF PAT WITH INTENSIFIED PERFUSION PLATFORM DEVELOPMENT
			9.50	Jessica Schwaber	CCRM, Toronto	Canada	BRINGING ART CLOSER TO SCIENCE: A QUALIFIED CAR-T IDENTITY ASSAY
			10.10	Harini Narayanan	ETH/DataHow	Switzerland	CUSTOMISED PROCESS MODELS FOR CELL CULTURE PROCESSES
	11.00-12.30	9. Development of cell-based technologies and therapeutics	11.00	Uwe Gottschalk	LONZA	UK/Switzerland	CELL & VIRAL THERAPIES AND THE PROMISE TO SOLVE CURRENT MANUFACTURING CHALLENGES?
			11.30	Dagmar Wirth	HELMHOLTZ CENTRE FOR INFECTION RESEAR	Germany	A 3D KSHV LATENCY MODEL FOR IDENTIFICATION OF ANTIVIRAL COMPOUND
			11.50	Ioannis Papantoniou	KU Leuven	Belgium	BONE BY DESIGN - VIA BIOASSEMBLIES OF CARTILAGE MICROTISSUE MODULE
			12.10	Sebastien Sart	Institute Pasteur	France	MAPPING STRUCTURE AND BIOLOGICAL FUNCTION WITHIN THE MESENCHYMAL BODIES
			12.20	Maria Sebastiao	iBET	Portugal	IN VITRO MODELS TO DISCLOSE HUMAN CARDIAC PROGENITOR CELLS ACTION MODE
	13.45-15.15	10. Cell culture process engineering, product quality and integration with downstream processing	13.45	Jean-Marc Bielser	Merck	Switzerland	MAKE PERFUSION GREAT AGAIN
			14.15	Sarwat Khattak	Biogen	USA	CONTINUOUS PROCESSING USING A CHEMOSTAT CULTURE
			14.35	Ricardo Suarez Heredia	UCL	UK	INVESTIGATION OF MEDIA COMPONENTS ON PERFORMANCE OF CHO CELL CULTURES
			14.55	Jakob Kirch	Insilico Biotechnology	Germany	OPTIMIZING CHO CELL CULTURE PROCESSES USING PREDICTIVE DIGITAL TWINS
	15.30-16.30	Keynote 2	15.30	Mathias Uhlen	Royal Institute of Technology, Stockholm	Sweden	THE HUMAN SECRETOME PROJECT – GENERATION OF ALL HUMAN SECRETED PROTEINS IN MAMMALIAN CELL CULTURES