

ECB 2016 Scientific Programme Overview

As of 20 June 2016

Sunday 3 July			
09.30 – 19.00	Registration Open		
10:00 – 16:30	Satellite Events / Workshops		
10:00 – 16:30	ACIB Meeting - Industrial biotechnology from fundamentals to practice (10:00 – 14:20)	BioTop Meeting - Biomolecular technology of proteins (14:45 – 16:30)	EFB General Assembly (11:00 – 12:30)
17:00 – 19:00	Opening Ceremony: Welcome to Krakow by Tomasz Twardowski, Chair of the Hosting Committee Welcome to the Congress by President Mathias Uhlen Plenary Lecture: Emmanuelle Charpentier - Genome engineering with CRISPR-Cas9 Patrick Schnable - Predictive Phenomics of Plants		
19:00 – 22:00	Welcome Reception		

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Monday 4 July					
09:00 – 10:00	Plenary Lecture: Tai Hyun Park Nanobiotechnology				
10.00 – 10.30	Coffee in the exhibition & poster area				
10:30 – 12:30	Parallel Symposia				
	A – Plant and environmental	B – Medical	C- Systems and synthetic biology; microbial physiology	D- Industrial	E – Tools and products
	Environmental biotechnology <i>Daniele Daffonchio</i> Ecology of microbial hydrocarbon degraders in the oceans: implication for biotechnology	Gene therapies, stem cell research and tissue engineering (Pt 1) <i>Jozef Dulak</i> Induced pluripotent stem cells for research and therapy: perspectives and challenges	Systems and synthetic biology for biocatalysis (Pt 1) <i>Sven Panke</i> From screening to design in biocatalytic systems	Functional nano / biomaterials: Production and bioprocessing (Pt 1) <i>Alexander Steinbüchel</i> Untapped resources for the production of biopolymers	Mass spectrometry in biotechnology: <i>Andrew Ewing</i> Mass Spectrometry based Proteomics in Preclinical Drug Discovery
12.30 – 14.30	Lunch in the exhibition & poster area				
13:30 – 14:30	Highlight Event: Publications workshop	Highlight Event: Art in the society of knowledge <i>Joanna Hoffmann-Dietrich</i>		Round Table – Mass spectrometry in biotechnology	
14:45 – 17:15	Parallel Symposia				
	Genomics of cereal crops <i>Jaroslav Doležel</i> Chromosome genomics supports the production of reference sequences of complex genomes	Gene therapies, stem cell research and tissue engineering (Pt 2) <i>Fatima Bosch</i> Towards a Gene Therapy for Neurological and Somatic Mucopolysaccharidosis	The microbial cell factory: <i>Martin Warren</i> Development of compartmentalisation strategies for enhanced metabolism	Functional nano / biomaterials: Production and bioprocessing (Pt 2) <i>Wolfgang Zimmermann</i> Biocatalytic degradation of synthetic polymers: pushing the limits of performance of polyester hydrolases	Bioseparations and downstream processing <i>Massimo Morbidelli</i> Integrated continuous processing for the manufacture of monoclonal antibodies
17:15 – 19:00	Poster Session in the exhibition & poster area				

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Tuesday 5 July					
09:00 – 10:00	Plenary Lecture: Luke Alphey Genetic control of mosquitoes				
10.00 – 10.30	Coffee break in the exhibition & poster area				
10:30 – 12:30	Parallel Symposia				
	A – Plant and environmental	B – Medical	C- Systems and synthetic biology; microbial physiology	D- Industrial	E – Tools and products
	Bioremediation and biodegradation: Mark van Loosdrecht The microbiome as an engineering tool	The mammalian cell factory: Pamela Silver Designing Biology for Human Health	Metabolic modelling Peter Lenz Coordination of bacterial metabolism	Bioprocessing (Pt 1) Olivier Rolland Developing a renewable jet fuel: a cross-functional adventure from the lab to the sky	Glycobiotechnology Magali Remaud-Simeon Enzyme discovery and design for sweet advances in glycobiotechnology
12.30 – 13.30	Lunch in the exhibition & poster area				
13:30 – 15:00	Poster Session in the exhibition & poster area				
15:00 – 18:30	Highlight events	Highlight Event	Parallel Symposia		Highlight Event
			C- Systems and synthetic biology; microbial physiology	D-Industrial	
	EFB – AFOB joint event: Cellulosome and beyond (15:00 – 18:00)	Intellectual property rights (15:30 – 17:30)	Systems and synthetic biology for biocatalysis (Pt 2) (15:00 – 17:00)	Bioprocessing (Pt 2) (15:00 -17:00)	The “Bioeconomy & Biobusiness” (15:30 Lectures and discussion, 17:00 – 18:30 poster exhibition)
20.00 - Late	Congress Networking Evening				

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Wednesday 6 July					
10:00 – 12:30	Parallel Symposia				
	A – Plant and environmental	B – Medical	C- Systems and synthetic biology; microbial physiology	D- Industrial	E – Tools and products
	Plant synthetic biology for food and feed: <i>Olga Sayanova</i> Production of omega-3 fish oils in transgenic plants	Novel antibody and ligand formats: <i>Harald Kolmar</i> When sharks bite twice: bifunctional single-domain antibodies for applications in biotechnology and medicine	Recombinant protein production: <i>Jan Maarten van Dijk</i> Recombinant protein production in Bacillus	Biorefinery for fuels and chemicals: <i>Sung Hoon Park</i> Metabolic engineering of microorganisms for the production of 3-hydroxypropionic acid from glycerol	Biotechnology for cosmetics: health & well-being <i>Holger Brüggemann</i> The skin microbiota: composition and function in health and disease <i>(session finishes at 11:00)</i>
12.30 – 13.30	Lunch in the exhibition & poster area				
13:30 – 15:30	Parallel Symposia				
	Waste water treatment and bioremediation <i>Willy Verstraete</i> Conversion of organic waste into chemical products	Biotherapeutics and vaccines: <i>Hitto Kaufmann</i> Biologics Manufacturing 3.0	Microbial response to stress: <i>John Helmann</i> Metals as a source of stress	Industrial enzymes: <i>Jennifer Littlechild</i> Novel enzymes from thermophilic genomes and metagenomes with industrial applications	Nucleic acid technologies <i>Lennart Randau</i> DNA interference mechanisms by minimal CRISPR-Cas surveillance complexes
15.30 – 16.00	Coffee break in foyer				
16:00 – 17:30	Closing Ceremony EFB Patron's Plenary lecture- the Novozymes Lecture: Jens Nielsen – Novel metabolic pathways for biological synthesis Hand over to ECB 2018 host				