

# COMBINING THE WORLD'S TWO LONGEST RUNNING BIOTECHNOLOGY CONGRESSES



European congress  
on biotechnology

**30 June - 3 July 2024**

De Doelen International Congress Center

Rotterdam, The Netherlands



Organized by



European  
federation of  
biotechnology

In association with



Nederlandse  
Biotechnologie  
Vereniging



## Day 1 - 30 June 2024 (Sunday)

16:30 17:00 Opening ceremony

17:00 18:00 **Opening Plenary Lecture** Sang Yup Lee, Korea Advanced Institute of Science and Technology, KR

18:00 20:00 Welcome reception

		Day 2 - 1 July 2024 (Monday)								
Health				Feeding the future		Biotechnology to mitigate climate change		Industrial biotechnology		Frontiers of biotechnology
9:00	10:00	Novel approaches to the production of biologicals		Emerging agriculture technologies		Clean water technologies		Electrification of biotechnology		Enzyme discovery and engineering
Symposia 1-5 part 1	Keynote lecture	George Lomonossoff, John Innes Centre, UK		Keynote lecture	Nuria De Diego, Palacký University Olomouc, CZ	Mark van Loosdrecht, TU Delft, NL	Keynote lecture	Hao Song, Tianjin University, CN	Keynote lecture	Qing Yang, Chinese Academy of Agricultural Sciences, CN
	Invited talk			Invited talk			Keynote lecture		Keynote lecture	Peter Punt, Leiden University, NL
				Invited talk						
10:00	11:00	Trade exhibition; poster session								
11:00	12:00	Novel approaches to the production of biologicals		Emerging agriculture technologies		Clean water technologies		Electrification of biotechnology		Enzyme discovery and engineering
Symposia 1-5 part 2	Keynote lecture			Keynote lecture	Susanne Larocca, Industria Chimica Societa Per Azioni. SO.G.I.S, IT	Alan Werker, Promiko AB, SE	Keynote lecture	Teuta Pilizota, University of Edinburgh, UK	Invited lecture	Nori Kamiya, Kyushu University, JP
	Invited talk			Invited talk			Invited talk		Invited lecture	Yan Feng, Shanghai Jiao Tong University, CN
	Invited talk			Invited talk			Invited talk		Invited lecture	Yue (Barry) Zou, GALA Group Co, CN
12:00	13:00	Lunch and trade exhibition								
13:00	14:30	Highlight events: Publications workshop NBV Highlight								
14:45	15:45	Novel approaches to the production of biologicals		Future protein sources – sustainability, security, morality, palatability		Marine biotechnology and microalgal bioprocesses		Process analytical technology (PAT) and modelling		Enzyme discovery and engineering
Symposia 6-10 part 1	Keynote lecture	Emile van den Akker, Sanquin, NL		Keynote lecture	Daan Luining, Meatable, NL	C.-G. Lee, Inha University, KR	Keynote lecture	Juan Asenjo, Universidad de Chile, CL	Keynote lecture	Sarah Cleary, HydRegen, UK
	Invited talk			Invited talk			Invited talk		Invited talk	
	Invited talk			Invited talk			Invited talk		Invited talk	
15:45	16:30	Trade exhibition; poster session								
16:30	17:30	Novel approaches to the production of biologicals		Future protein sources – sustainability, security, morality, palatability		Marine biotechnology and microalgal bioprocesses		Industrial bioprocessing and modelling		Enzyme discovery and engineering
Symposia 6-10 part 2	Keynote lecture	Stefanos Grammatikos, UCB Pharma SA, UK		Keynote lecture	Corjan van den Berg, Revvyve & FUMI Ingredients, NL	Marcella Fernandes De Souza, Ghent University, BE	Keynote lecture	SangWoo Seo, Seoul National University, KR	Keynote lecture	Frank Hollmann, TU Delft, NL
	Invited talk			Invited talk			Invited talk		Invited talk	
	Invited talk			Invited talk			Invited talk		Invited talk	
17:45	18:45	Plenary lecture		Michael Köpke, LanzaTech, USA						

Day 3 - 2 July 2024 (Tuesday)										
Health				Feeding the future		Biotechnology to mitigate climate change		Industrial biotechnology		Frontiers of biotechnology
9:00	10:00	Tissue engineering		Healthy soil and bioaugmentation		Biotechnological solutions towards net zero and life cycle assessment		Bioprocesses, bioreactors and biorefineries for biobased products		Enzyme discovery and engineering
Symposia 10-15 part 1	Keynote lecture	Nico Callewaert, VIB-Ugent, BE	Keynote lecture	Elena Biagi, University of Bologna, IT	Keynote lecture	Ron Milo, Weizmann Institute of Science, IL	Keynote lecture	Harald Ruijsenaars, Corbion, NL	Keynote lecture	Ulrich Schwaneberg, RWTH Aachen University, DE
	Invited talk		Invited talk		Keynote lecture	Wouter Van Winden, DSM-Firmenich, NL	Keynote lecture	Lixin Zhang, East China University of Science and Technology, CN	Keynote lecture	Antoni Planas, IQS School of Engineering, ES
	Invited talk		Invited talk							
10:00	11:00	Trade exhibition; poster session								
11:00	12:00	Tissue engineering		Healthy soil and bioaugmentation		Biotechnological solutions towards net zero and life cycle assessment		Bioprocesses, bioreactors and biorefineries for biobased products		Enzyme discovery and engineering
Symposia 10-15 part 2	Keynote lecture	Martin Fussenegger, ETH Zurich, CH	Keynote lecture	Franz Bender, Agroscope, CH	Invited lecture	Mohammad A. Alam, Zhengzhou University, CN	Invited lecture	Murray Moo-Young, University of Waterloo, CA	Invited lecture	Kohsuke Honda, Osaka University, JP
	Invited talk		Invited talk		Invited lecture	Muhammad A. Mehmood, University Faisalabad, PK	Invited lecture	Shi-Hui Yang, Hubei University, CN	Invited lecture	Chen Yang, Chinese Academy of Sciences, CN
	Invited talk		Invited talk		Invited lecture		Invited lecture		Invited lecture	
12:00	13:00	Lunch and trade exhibition								
13:00	14:30	Highlight events: BioToP event; European Research Council (ERC) – Funding opportunities								
14:45	15:45	Cell and gene therapy		Genome editing in crop improvement		Biotechnological solutions towards net zero and life cycle assessment		Bioprocesses, bioreactors and biorefineries for biobased products		Enzyme discovery and engineering
Symposia 16-20 part 1	Keynote lecture	Yu-Chen Hu, National Tsing Hua University, TW	Keynote lecture	Götz Hensel, Heinrich Heine University Düsseldorf, DE	Keynote lecture	Tim Donohue, Great Lakes Bioenergy Research Center, US	Keynote lecture	Sung Ok “Sam” Han, Korea University, KR	Keynote lecture	Maria Lucas, Zymvol, ES
	Invited talk		Invited talk		Invited talk		Invited talk		Invited talk	
	Invited talk		Invited talk		Invited talk		Invited talk		Invited talk	
15:45	16:30	Trade exhibition; poster session								
16:30	17:30	Cell and gene therapy		Genome editing in crop improvement		Biotechnological solutions towards net zero and life cycle assessment		Bioprocesses, bioreactors and biorefineries for biobased products		Enzyme discovery and engineering
Symposia 16-20 part 2	Keynote lecture	Joaquim Vives, Banc de Sang i Teixits, ES	Keynote lecture	Ales Pecinka, Czech Academy of Sciences, CZ	Keynote lecture	Byung-Kwan Cho, Korea Advanced Institute of Science and Technology, KR	Keynote lecture	Lisbeth Olsson, Chalmers University of Technology, SE	Keynote lecture	Sven Panke, ETH Zürich, CH
	Invited talk		Invited talk		Invited talk		Invited talk		Invited talk	
	Invited talk		Invited talk		Invited talk		Invited talk		Invited talk	
17:45	18:45	Plenary lecture	Chris Bowler, École Normale Supérieure de Paris, FR							

Day 4 - 3 July 2024 (Wednesday)									
Health			Feeding the future		Biotechnology to mitigate climate change		Industrial biotechnology		Frontiers of biotechnology
9:00 10:00		Personalized health		Development of climate resilient food plants		Power2X: carbon capture and sustainable bioenergy	Industrial microorganisms for biomanufacturing		Bionanotechnologies
Symposia 21-25 part 1	Keynote lecture	Mei-Wei Lin, Biomedical Technology and Device Research Laboratories, ITRI, TW		Hannes Kollist, University of Tartu, EE	Keynote lecture	Paul Hudson, KTH-Royal Institute of Technology, SE	Haruyuki Atomi, Kyoto University, JP	Keynote lecture	Shin Sik Choi, Myongji University, KR
	Invited talk				Keynote lecture		Ralf Takors, University of Stuttgart, DE	Invited talk	
	Invited talk							Invited talk	
10:00 11:00		Trade exhibition; poster session							
11:00 12:00		Personalized health		Development of climate resilient food plants		Power2X: carbon capture and sustainable bioenergy	Industrial microorganisms for biomanufacturing		Bionanotechnologies
Symposia 21-25 part 2	Keynote lecture			Alan Schulman, University of Helsinki, FI	Invited lecture	Ramkrishna Sen, Indian Institute of Technology Kharagpur, IN	Xin-Qing Zhao, Shanghai Jiao Tong University, CN	Keynote lecture	Patrick Shahgaldian, School of Life Sciences FHNW, CH
	Invited talk				Invited lecture	Yongjin Zhou, Dalian Institute of Chemical Physics, CAS, CN	Katsutoshi Hori, Nagoya University, JP	Invited talk	
	Invited talk				Invited lecture	Tomohisa Hasunuma, Kobe University, JP	Riaan den Haan, University of the Western Cape, ZA	Invited talk	
12:00 13:00		Lunch and trade exhibition							
13:00 14:00		New antibiotics and antimicrobials		Advances in crop improvement and agriculture		Power2X: carbon capture and sustainable bioenergy	Industrial microorganisms for biomanufacturing		Social aspects of biotechnology
Symposia 26-30 part 1	Keynote lecture	Rolf Mueller, Helmholtz Institute for Pharmaceutical Research Saarland, DE		Claire Halpin, University of Dundee, UK	Keynote lecture	Ludovic Jourdin, TU Delft, NL	Akihito Kondo, Kobe University, JP	Keynote lecture	Oana Dima, Ghent University, BE
	Invited talk				Invited talk			Invited talk	
	Invited talk				Invited talk			Invited talk	
14:00 15:00		New antibiotics and antimicrobials		Advances in crop improvement and agriculture		Power2X: carbon capture and sustainable bioenergy	Industrial microorganisms for biomanufacturing		Social aspects of biotechnology
Symposia 26-30 part 2	Keynote lecture	Martin Held, ETH Zürich, CH		Mark G.M. Aarts, Wageningen University & Research, NL	Keynote lecture	Bjorn Heijstra, LanzaTech, BE	Pablo Nikel, Technical University of Denmark, DK	Keynote lecture	Patricia Osseweijer, Delft University of Technology, NL
	Invited talk				Invited talk			Invited talk	
	Invited talk				Invited talk			Invited talk	
Closing ceremony									
15:15 16:15		Plenary lecture	John van der Oost, Wageningen University and Research, NL						