

Programme
Day 1, 1 February 2022

CIC CLIB International Conference

2022 Technologies for a bio-industrial (r)evolution



1 & 2 February 2022, Lindner Congress Hotel Düsseldorf

Programme
Day 2, 2 February 2022

09.00	Conference registration / Welcome coffee
10.00	Opening session Welcome & Introduction
10.00	Dennis Herzberg Cluster Manager, CLIB
10.10	Andreas Pinkwart Minister of Economic Affairs, Innovation, Digitalization and Energy of the State of North Rhine-Westphalia
10.30	Karl-Heinz Maurer Chairman of the Board, CLIB
10.50	Markus Dugal, Covestro Transforming the chemical industry - a holistic approach solving a complex challenge
11.25	Akihiko Kondo, Kobe University Development of biofoundry platform for rapid construction of microbial cell factories
12.00	Lunch / Networking Session @ wonder
13.30	Session 1: "Synthetic biology and enzyme development" Moderator: Dörte Rother, Forschungszentrum Jülich
13.40	Simon Trancart, ALTAR Unlock the potential of industrial biotechnology with adaptive evolution
14.00	Ulrich Schwaneberg, RWTH Aachen & DWI - Leibniz Institute for Interactive Materials KnowVolution and CompassR teach us how to engineer organic solvent resistant hydrolases
14.20	Rémi Peyraud, iMEAN Synthetic biology debottlenecking using smart modeling platforms
14.40	Joint Q&A Session with all speakers
14.55	Coffee break / Networking Session @ wonder
15.30	Session 2: "Optimising biotech processes in large and small scale" Moderator: Felix Bischoff, Jäckering Research
15.40	Ines Ochrombel, Evonik Agriculture Solutions
16.00	Loulia de San, De Smet Engineers & Contractors Biotech process at commercial scale: utilities optimization
16.20	Andreas Worberg and Dina Petranovic, The Novo Nordisk Foundation Center for Biosustainability With Warp Speed into Abbey Road? - How Synthetic Biology connects with Pilot-Operations in Denmark
16.40	Joint Q&A Session with all speakers
16.55	Coffee break / Networking Session @ wonder
17.30	Session 3: "Sustainability and circularity in biotechnological processes" Moderator: Kai Baldenius, Baldenius Biotech Consulting
	Sarah Hickingbottom, Circa Group Ltd.
	Martin Langer, BRAIN Biotech AG
	Raoul Meys, Carbon Minds GmbH
	John Posada Duque, TU Delft
	Tina Radespiel, ALTANA AG / BYK-Chemie GmbH
	Panel Discussion
18.50	Conference dinner

08.30	Conference registration / Welcome coffee
09.00	Opening Session Welcome & Introduction to conference day 2
09.00	Tatjana Schwabe-Marković Senior Project Manager, CLIB
09.10	Rob van der Meij, Capricorn Partners Keynote: Industrial Biotech, exciting developments for venture capital!
09.40	Session 4: "Impact of AI and big data on biotech advances" Moderator: Alexander Sczyrba, Bielefeld University and CeBiTec
09.50	Victor Guallar, Barcelona Supercomputing Center Tailored AI&MM modelling for enzyme engineering and bioprospecting
10.10	Laurynas Karpus, Biomatter Designs AI-accelerated generative design of improved enzymes
10.30	Holger Hartmann, BASF FAIR data management – basis for powerful AI applications
10.50	Joint Q&A Session with all speakers
11.05	Coffee break / Networking Session @ wonder
11.40	Session 5: "Young innovations emerging from academic research: Final of the G-BiB" Moderator: Friedrich Barth, Global Entrepreneurship Center
11.50	International Final of the G-BiB competition with investor & expert jury and the finalists "Methylation (im)-possible" and "Oater - OIY Solutions"
12.50	Lunch break
14.30	G-BiB Award
14.50	Session 6: "Next generation process concepts" Moderator: Kathrin Rübberdt, DECHEMA e.V.
15.00	Matt Engler, Checkerspot The Checkerspot WING™ Platform - Where materials and products take flight
15.20	Jordi López Launes, EnginZyme AB Unique combination of capabilities to develop cell-free synbio catalysts and processes
15.40	Kerstin Wohlgenuth, TU Dortmund University Towards sustainable downstream processing using continuous crystallization
16.00	Joint Q&A Session with all speakers
16.15	Closing remarks
16.30	End of the conference