



Preliminary Agenda Technologies for a bio-industrial (r)evolution

1 & 2 February 2022, Lindner Hotel Düsseldorf and online

Day 1	
01 February 2022	
Opening Session	
09:00	Registration and Welcome Coffee
10:00	General Welcome Dennis Herzberg, CLIB
10:15	Welcome by the NRW Minister for Economic Affairs and Innovation Andreas Pinkwart
10:35	Welcome Karl-Heinz Maurer, Aachen Proteineers/CLIB
10:50	Keynote Markus Dugal, Covestro
11:25	Keynote Akihiko Kondo, RIKEN, Kobe
12:00	Lunch, Networking session @wonder
Session 1: "Synthetic biology and enzyme development"	
Moderator: Dörthe Rother, FZ Jülich/RWTH Aachen	
13:40	Simon Trancart, ALTAR
14:00	Ulrich Schwaneberg, RWTH Aachen & DWI - Leibniz Institute for Interactive Materials
14:20	Synthetic biology debottlenecking using smart modeling platforms Rémi Peyraud, iMEAN
14:40	Joint Q&A Session with all speakers
14:55	Coffee break, Networking session @wonder
Session 2: "Optimising biotech processes in large and small scale"	
Moderator: Felix Bischoff, Jäckering Research GmbH	
15:40	<i>Evonik, tbc</i>
16:00	Biotech process at commercial scale: utilities optimization Loulia de San, De Smet Engineers & Contractors
16:20	With Warp Speed into Abbey Road? - How Synthetic Biology connects with Pilot-Operations in Denmark Andreas Worberg and Dina Petranovic, The Novo Nordisk Foundation Center for Biosustainability (Technical University of Denmark)
16:40	Joint Q&A Session with all speakers
16:55	Coffee break, Networking session @wonder
Session 3: "Sustainability and circularity in biotechnological processes"	
Moderator: Sarah Hickingbottom, Circa Group Ltd.	
17:40	Raoul Meyes, Carbon Minds GmbH
17:45	<i>tbd</i>



17:50 Tina Radespiel, ALTANA AG / BYK-Chemie GmbH

17:55 Martin Langer, BRAIN Biotech AG

18:00 Panel Discussion

18:50 Networking Dinner, Closing

Day 2 02 February 2022

08:30 Registration and Welcome Coffee

09:00 General Welcome Day 2

09:10 **Keynote: Industrial Biotech, exciting developments for venture capital!**
Rob van der Meij, Capricorn Partners

09:40 **Session 4: "Impact of AI and big data on biotech advances"**
Moderator: Alexander Sczyrba, Bielefeld University and CeBiTec

09:50 **Tailored AI&MM modelling for Enzyme Engineering and Bioprospecting**
Victor Guallar, Barcelona Supercomputing Center

10:10 **AI-accelerated generative design of improved enzymes**
Laurynas Karpus, Biomatter Designs

10:30 **FAIR data management – Basis for powerful AI applications**
Holger Hartmann, BASF SE

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 competition"**
Moderator: Friedrich Barth, Global Entrepreneurship Center

11:40 International Final of the G-BiB competition with investor & expert jury and the best student teams from Germany and the UK

12:50 Lunch, Networking session @wonder

14:30 G-BiB Award



14:50 **Session 6: "Next generation process concepts"**
Moderator: Kathrin Rübberdt, DECHEMA e.V.

15:00 **tba**
Matt Engler, Checkerspot

15:20 **Unique combination of capabilities to develop cell-free synbio catalysts and processes**
Jordi López Launes, EnginZyme AB

15:40 **Towards sustainable downstream processing using continuous crystallization**
Kerstin Wohlgemuth, TU Dortmund University

16:00 Joint Q&A Session with all speakers

16:15 Closing Remarks