

Industrial Biotechnology is firmly established in several industries such as food and feed, and is a central pillar of the knowledge-based bioeconomy. There is currently considerable interest in applying novel technological advances such as 'omics', systems biology or synthetic biology approaches to develop the field further, particularly with a goal of increasing the sustainability of chemical production. In this respect, the use of photosynthetic hosts, rather than the traditional heterotrophic bacteria and yeast systems, offers great potential since the former can use sunlight as the energy source for production.

As well as dealing with ways to optimize the entire production process for chemicals from algae, the program will consider how knowledge of fundamental algal biology may provide novel insights. It will also include sessions on the exploitation of genome sequence information and genomics, the use of systems biology, and the application of synthetic biology to optimize existing processes and develop new ones. Distinguished invited speakers from academia and industry will present current prospects and furthermore, short talks selected from the submitted abstracts will complete the oral presentation section of the conference.

International CeBiTec Research Conference Bielefeld on
Advances in Industrial Biotechnology

Prospects and challenges for the development of algal biotechnology

Center for Interdisciplinary Research (ZiF), Bielefeld University, Germany
September 24 – 27, 2017



The Center for Biotechnology (CeBiTec) of Bielefeld University cordially invites you to attend the 7th International CeBiTec Research Conference. **Confirmed participants include:**

Maria Barbosa, Wageningen University and Research, NLD
Katerina Bisova, Czech Academy of Sciences, CZE
Rob Brown, Synthetic Genomics Inc., USA
Angela Falciatore, Université Pierre et Marie Curie, FRA
Ben Hankamer, The University of Queensland, AUS
Luis Herrera-Estrella, Langebio Cinvestav, MEX
Heikki Hyttinen, Subitec GmbH, DEU
Eon Seon Jin, Hanyang University, KOR
Olaf Kruse, Bielefeld University, DEU
Peter Lindblad, Uppsala University, SWE
Xuefeng Lu, Chinese Academy of Sciences, CHN
Stephen Mayfield, Berkeley University of California, USA
Brenda Parker, University College London, UK
Matthew Posewitz, Colorado School of Mines, USA
Saul Purton, University College London, UK
Richard Sayre, Los Alamos National Laboratory, USA
Alison Smith, University of Cambridge, UK
Andrew Spicer, Algenuity, UK
John v. der Oost, Wageningen University and Research, NLD
Rene Wijffels, Wageningen University and Research, NLD

The Conference aims to give a broad overview of the challenges facing the exploitation of microalgae and cyanobacteria for industrial biotechnology, from biofuels to high value proteins and chemicals. Application form & program will be available at

<http://www.cebitec.uni-bielefeld.de/algal-biotech-2017>

Conference venue: Center for Interdisciplinary Research (ZiF),
Methoden 1, 33615 Bielefeld, Germany.