

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. As well as speakers from academia, there will be representatives from industry, and a session focusing on early stage algae engineers, with both invited papers and papers selected from submitted abstracts.

International CeBiTec Research Conference on Advances in  
Industrial Biotechnology

## Prospects and challenges for the development of algal biotechnology

Center for Interdisciplinary Research (ZiF), Bielefeld University, Germany  
**September 21 – 24, 2014**



The Center for Biotechnology (CeBiTec) of Bielefeld University cordially invites you to attend the 4th International Bielefeld-CeBiTec Research Conference.

### Confirmed participants and speakers include

**Maria Barbosa** (Wageningen University, NL)  
**Christoph Benning** (Michigan State University, US)  
**Chris Bowler** (École normale supérieure, Paris, FR)  
**Olaf Kruse** (Organizer, Bielefeld University, DE)  
**Jonathan Napier** (Rothamsted Research, Harpenden, UK)  
**Saul Purton** (University College London, UK)  
**Paul Roessler** (Algenol Biofuels, US)  
**Alison Smith** (Co-chair, University of Cambridge, UK)  
**Mario Tredici** (University of Florence, IT)  
**Rene Wijffels** (Co-chair, Wageningen University, NL)  
**tba** (Volkswagen AG, DE)

The 2014 International CeBiTec Research Conference aims to give a complete 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 available at

<http://www.cebitec.uni-bielefeld.de/algal-biotech-2014>

The conference will be held at the Center for Interdisciplinary Research (ZiF) of Bielefeld University, Wellenberg 1, 33615 Bielefeld, Germany.

Universität Bielefeld  
Centrum für Biotechnologie - CeBiTec  
Universitätsstraße 27  
D-33615 Bielefeld