

# General information

## Local Scientific Committee

Thomas Noll (Bielefeld University, DE)  
Alfred Pühler (Bielefeld University, DE/Chair)  
Bernd Weißhaar (Bielefeld University, DE)  
Volker Wendisch (Bielefeld University, DE)

## Information

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## Registration

For details regarding registration please see  
<http://www.cebitec.uni-bielefeld.de/>

## Location

Center for Interdisciplinary Research (ZiF),  
Methoden 1, 33615 Bielefeld  
(<http://www.uni-bielefeld.de/ZiF>)

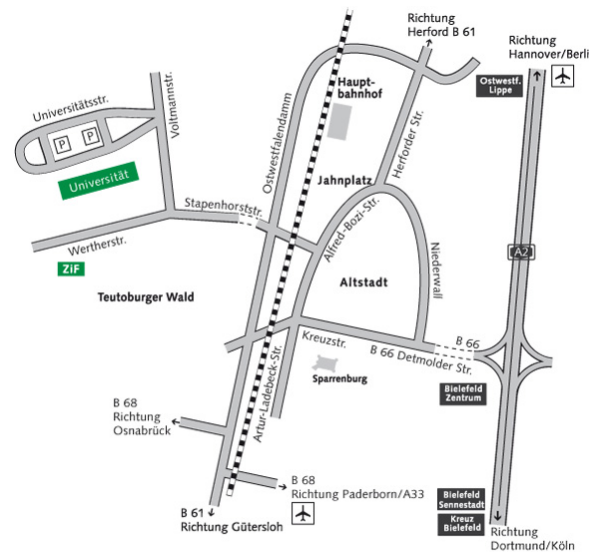
## Arrival

By car, you can take the A 2 Dortmund - Hanover,  
exit at "Bielefeld-Zentrum", follow the street signs

# General information

towards the center ("Zentrum"), and from there follow the signs to "Werther". From the "Wertherstrasse", the ZiF is on the left side on the slope of the hill. The entrance is signposted.

Bielefeld can be reached from any major town by trains running on an hourly schedule (Eurocity train system: marked EC, IC, or ICE on the train schedule). From Bielefeld's main station you can either take a taxi to the ZiF (approx. EUR 10,-) or take the underground tram line 4 (destination "Universität" or "Lohmannshof"). From the tram stop "Universität" you can reach the ZiF by walking up the hill behind the main building of the university (the way is signposted).



8th CeBiTec  
Symposium

October, 28-30  
2013

## The Genomics Revolution and its Impact on Future Biotechnology

Center for Interdisciplinary Research (ZiF)  
of Bielefeld University

**TOPICS:** Microbial Genomics  
Plant and Animal Genomics  
Metagenomics  
Ultrafast Sequencing Technologies  
Bioinformatics  
Systems and Synthetic Biology  
iGEM Competition



# Invitation

The Center for Biotechnology (CeBiTec) of Bielefeld University cordially invites you to attend the 8<sup>th</sup> CeBiTec Symposium entitled "The Genomics Revolution and its Impact on Future Biotechnology". The conference which is jointly organized by CeBiTec and the GFT e. V. will be held at the Center for Interdisciplinary Research (ZiF) of Bielefeld University from October 28<sup>th</sup> to 30<sup>th</sup>, 2013. The conference will focus on pro- and eukaryotic genome research as well as metagenomics. Selected examples of each field will be presented. In particular, results will be shown obtained by employing ultrafast sequencing technologies. Novel technological developments in high-throughput sequencing will be presented and bioinformatics challenges will be discussed. The implications for genome-based Systems- and Synthetic Biology will be considered. The major topics to be addressed are:

- Microbial Genomics
- Plant and Animal Genomics
- Metagenomics
- Bioinformatics
- Ultrafast Sequencing Technologies
- Systems and Synthetic Biology
- iGEM competition

In addition to plenary lectures, poster presentations will take place throughout the meeting. I look forward to welcome you in Bielefeld!



A. Pühler (Chair of the Local Scientific Committee)

# Programme

## October 28<sup>th</sup>, 2013

- 10:00 Registration/Snacks**
- 12:00 Welcome Address**  
A. Pühler, CeBiTec, Bielefeld/DE
- 12:15 Introduction to the CeBiTec**  
T. Noll, CeBiTec, Bielefeld/DE
- 12:30 Microbial Genomics**  
A. Becker, Marburg University/DE  
J. Kalinowski, Bielefeld University/DE  
A. Tauch, Bielefeld University/DE
- 14:00 Coffee break**
- 14:30 Microbial Genomics (continued)**  
P. Schulze-Lefert, MPI Köln/DE  
B. Siebers, Essen University/DE  
J. Ernst, Düsseldorf University/DE
- 16:00 Coffee break**
- 16:30 Plant and Animal Genomics**  
H. Himmelbauer, Barcelona/SP  
R. Töpfer, Siebeldingen/DE  
N. Borth, University of Vienna/AT  
K. Brinkrolf, Bielefeld University/DE
- 18:30 Distinguished Lecture I**  
J. Jansson, UC Berkeley/US
- 19:30 Mixer/Poster Presentation/Exhibition**

## October 29<sup>th</sup>, 2013

- 09:00 Metagenomics**  
P. Simonet, University of Lyon/FR  
A. Schlüter, Bielefeld University/DE  
A. Lagares, La Plata University/AR
- 10:30 Coffee break**
- 11:30 Metagenomics (continued)**  
N. Segata, University of Trento/IT  
A. Goesmann, Giessen University/DE  
A. Sczyrba, Bielefeld University/DE
- 12:30 Lunch/Poster Presentation**

# Programme

- 13:30 Bioinformatics**  
K. Reinert, FU Berlin/DE  
R. Kottmann, MPI Bremen/DE  
J. Blom, Giessen University/DE
- 15:00 Coffee break**
- 15:30 Ultrafast Sequencing Technologies**  
C. König, Pacific Biosciences, Menlo Park/US  
O. Stephan, Ion Torrent, Essex/UK  
O. Goldenberg, Illumina, Guilford/USA
- 17:00 Coffee break**
- 17:30 Ultrafast Sequencing Technologies (continued)**  
M. Dröge, Roche, Mannheim/DE
- 18:00 Distinguished Lecture II**  
A. Brakhage, HKI Jena/DE
- 20:00 Conference Dinner**

## October 30<sup>th</sup>, 2013

- 09:00 Systems Biology**  
R. Takors, Stuttgart University/DE  
K. Niehaus, Bielefeld University/DE  
L. Blank, RWTH Aachen/DE
- 10:30 Coffee break**
- 11:00 Synthetic Biology**  
Y. Benenson, ETH Basel/CH  
M. Heinemann, Groningen University/NL  
S. Panke, ETH Basel/CH
- 12:30 Lunch**
- 13:30 iGEM competition**  
K. Müller, Bielefeld University/DE  
W. Elings/H. de Vries, Wageningen University/NL  
A. Oldebesten/R. van Raaphorst, Groningen University/NL  
D. Samuylov, Paris University/FR  
J. Bartels/J. Radeck, LMU München/DE  
K. Jarosch/G. Kleiner, Bielefeld University/DE
- 15:40 Closing Remarks**