

Gram-to-Ton Biocatalysis

Symposium & Workshop

6th - 7th October 2005
Dortmund, Germany

Organisation:

Prof. Dr. Andreas Schmid

Chair of Chemical Biotechnology
Department of Biochemical & Chemical
Engineering
University of Dortmund
&
Institute for Analytical Sciences (ISAS)



ESBES



ESAB



Fachgruppe
Biotransformationen



BioMedizin Zentrum Dortmund

Objective

White (industrial) biotechnology merges biological, chemical, and engineering principles for the realisation of new bioprocesses and products. Product oriented problems in white biotechnology are seldom tackled and are - despite significant efforts in basic science - still poorly defined.

Although bioprocesses are used in most chemical or pharmaceutical companies today, many bioprocess solutions are specially designed for single products or narrow product families. One main reason is the lack of modular bioprocess know-how.

The „Gram-to-Ton Biocatalysis“ event focuses on this issue by bringing together reputable specialists from academia, industry and research institutions. The format chosen is a combination of a workshop (Oct. 6th, upon application and invitation, topics see presentation titles on Friday) followed by an open international symposium (Oct. 7th), where the workshop results are presented. This will set the stage for future key research in product oriented biocatalyst- and bioprocess design addressing scale-up on the molecular-, reaction-, and process level.

I am happy to invite all colleagues, scientists, students and the interested public to Dortmund and to contribute to this special event.

Looking forward to a fascinating, creative and productive meeting,

Symposium

Friday, 7th October 2005

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| 8:30 | Registration |
| 9:00 | Welcome Prof. Dr. S. Heiden & Prof. Dr. A. Schmid |
| 9:15 | <i>Economical & Ecological Aspects of Bioprocess Design</i> (Dr. D. Sell, Dechema, Frankfurt) |
| 9:45 | <i>Molecular Engineering of Bioprocesses: from Genes to Proteins</i> (Prof. Dr. K. E. Jäger, FZ Jülich & Univ. Düsseldorf) |
| 10:15 | <i>Scale-up Issues of Microbial Biotransformations</i> (Prof. Dr. A. Straathof, TU Delft, NL) |
| 10:45 | Coffeebreak |
| 11:15 | <i>Biotransformations and DSP Under Non-conventional Conditions</i> (Prof. Dr. A. Liese, TU Hamburg-Harburg) |
| 11:45 | <i>Photobiotechnology</i> (Prof. Dr. C. Posten, TU Karlsruhe) |
| 12:15 | <i>Biotransformation of Renewable Resources</i> (Prof. Dr. R. Ulber, TU Kaiserslautern) |
| 12:45 | Lunchbreak |
| 14:00 | <i>Metabolic Engineering</i> (Prof. Dr. E. Heinzle, Univ. des Saarlandes) |
| 14:30 | <i>Generic Tools for Optimal Biotransformation Process Design</i> (Prof. Dr. M. Polakovic, Slovak University of Technology, Bratislava) |
| 15:00 | Coffeebreak |
| 15:30 | <i>Parallel Design in Fermentation-Sciences</i> (Prof. Dr. D. Weuster-Botz, TU München) |
| 16:00 | <i>Industrial Perspectives and Challenges: costs, time and mind setting</i> (Dr. O. May, Degussa, Hanau) |
| 16:30 | Summary & Closing Remarks (Prof. Dr. S. Heiden & Prof. Dr. A. Schmid) |

Workshop

Thursday, 6th October 2005

Registration (open 12:30 until 18:00)

- 13:00 Welcome Prof. Dr. S. Heiden & Prof. Dr. A. Schmid
- 13:30 Workshop Part 1
- 16:00 **Coffeebreak**
- 16:30 Workshop Part 2 (end 18:00)
- 19:00 Bus-transfer to dinner @ Casino Hohensyburg

Location

Workshop & Symposium:

Kongresszentrum Westfalenhallen -Silbersaal-

Rheinlanddamm (B1) 200
44139 Dortmund

www.westfalenhallen.de

By car: Please look up detailed directions on the website (Anfahrt).
Parkinglot **A5** (PG) / main entrance

By train: U45 / U46 to „Westfalenhallen“

Dinner

Casino Hohensyburg

Hohensyburgstr. 200
44265 Dortmund

www.casino-hohensyburg.de

By car: Please look up detailed directions on the website (Infos)

There is a shuttle bus leaving at the Venue Parkinglot A5 at 7 pm



Accommodation

Steigenberger Hotel Dortmund****

Berswordtstrasse 2
44139 Dortmund
Phone: +49(0)231 / 9021-666
Fax: +49(0)231 / 9021-999

yvonne.niederhagen@dortmund.steigenberger.de

Single room 78,- € (incl. Breakfast)

1.5 km to venue

Hotel Haus Drees***/****

Hohe Strasse 107
44139 Dortmund
Phone: + 49(0)231 / 1299-0
Fax: + 49(0)231 / 1299-555

das-hotel-drees@riepe.com

Single room 59,- / 79,- € (incl. Breakfast)

0.8 km to venue

Hotel Gildenhof Dortmund City***

Hohe Strasse 139
44139 Dortmund
Phone: + 49(0)231 / 557 475-0
Fax: + 49(0)231 / 557 475-76

Single room 56,- € (incl. Breakfast)

0.6 km to venue

Please refer to „Universität Dortmund, Workshop Biocatalysis“ at reservation to obtain special rates

Registration

Please fill in the form and either send it via fax to +49 (0)231 / 7557382 or e-mail: Katja.otto@bci.uni-dortmund.de

Name: _____

Title: _____

Affiliation: _____

Address: _____

Phone: _____

Fax: _____

E-mail: _____

I register for the symposium on Friday 7th **100,- €**

I attend the dinner on Thursday 6th **40,- €**

I go by „Dinner-Shuttle bus“ **free**

I am interested in participating in the workshop.
Please contact me directly

(The number of participants is limited)

Payment

I pay in cash at the meeting

I pay by bank-transfer

Commerzbank, Prof. Schmid Biotechnik
Remark: *your name*, Gram-to-Ton Biocatalysis

BLZ: 440 400 37, Kto: 323493700

IBAN: DE22440400370323493700

BIC: COBADEFFXXX