

BREW Symposium

White Biotechnology - An emerging platform for industrial products and processes

The aim of the BREW Symposium is to provide research, industry, authorities, policy makers and NGOs with the latest insight on the current position and the potential future role of White Biotechnology. This is intended to trigger a wider discussion on this exciting emerging technology which

- may entail unprecedented possibilities and chances for industry
- may require more attention by policy makers in order to promote the developments and ensure a supportive framework and
- may also necessitate an increased involvement of the public.

The BREW Symposium is integrated in the 3-day conference **BioPerspectives 2005**, a joint initiative of 15 organisations active in the biotech sector.

Further information: www.bioperspectives.org

White Biotechnology – defined as the application of biotechnology in fermentation processes and enzymatic conversions – is about to open new perspectives for the manufacture of bulk chemicals and chemical intermediates. The potential benefits of White Biotechnology are the supply of new superior materials, the use of domestic renewable raw materials (stable and secure), environmental benefits (renewable feedstocks and energy efficient processes) and the evolution of a new technology area offering growth and employment opportunities in various sectors. White Biotechnology is hence an enabling technology that can contribute

- to improve the chemical sector's environmental performance and more comprehensively, its sustainability profile
- to retain a cutting edge position in terms of high value added products and
- to keep the chemical industry in Europe.

In the last few years, first large-scale industrial processes applying White Biotechnology have been taken into operation. This may be the start of an unprecedented restructuring of the chemical sector.

This one-day symposium covers a wide range of issues, reaching from reports by frontrunners on the experience made with their plants and their products, to techno-economic assessments, risk assessments, public perception and conclusions for companies and policy makers. The symposium is largely based on the results of the EU-funded research project "BREW". The BREW project deals with the "Medium and long-term opportunities and risks of the biotechnological production of bulk chemicals from renewable resources" (<http://www.chem.uu.nl/brew/>). On this symposium, the results of the BREW project (running from April 2004 to June 2005) are presented for the first time.

Programme

- 9.50 Sustainability at work within DSM – technology and innovation
Peter Nossin, DSM, Geleen, NL
- 10.40 **Coffee break in exhibition hall**
- 11.10 Biotechnology for the production of speciality chemicals
Stefan Buchholz, Degussa, Hanau, D
- 11.35 Experience with the world-wide first large-scale plant for a bio-based polyester
Erwin Vink, Cargill Dow, Naarden, NL
- 12.00 Assessment of bulk chemicals – results obtained with BrewTool
Martin Patel, Utrecht University, NL

- 12.25 BioBeN – a software tool for the evaluation of sustainability aspects in biotechnology
Dieter Sell, DECHEMA, Frankfurt, D

12.50 Lunch break in exhibition hall

- 14.15 Isosorbide as sustainable diol from the C6 platform
Christophe Rupp-Dahlem, Roquette, Lestrem, F
- 14.40 Bio-based 1,3-Propanediol – a new platform chemical for the 21st century
Carl Muska, DuPont, Wilmington, Delaware, USA
- 15.05 Biocatalytic processes for the production of fatty acid esters
Mercedes Martinez, Universidad Complutense de Madrid (UCM), Madrid, E
- 15.30 Comparative risk assessment for bio-based versus petrochemical chemicals
Leo van Overbeek, Plant Research International (PRI), Wageningen, NL
- 15.55 **Coffee break in exhibition hall**
- 16.25 How is White Biotechnology perceived in Western Europe?
Fabio Terragni, CERISS, Milan, I
- 16.50 Projection of the market potential for bulk chemicals and intermediates produced by biotechnological processes from renewable resources,
Veronika Dornburg, Utrecht University, NL
- 17.15 From technology to economy and society: conclusions from the BREW project
Bärbel Hüsing, Fraunhofer Institute for Systems and Innovation Research (FhG-ISI), Karlsruhe, D

BREW Symposium

Date: Wednesday, 11 May 2005

Venue: Rhein-Main-Hallen
Rheinstraße 20, Wiesbaden, D
<http://www.rhein-main-hallen.de/english/index.htm>

Internet: www.bioperspectives.org

Who should attend?

Scientists active or interested in the White Biotechnology sector, R&D staff, CEOs and other decision makers in industry and academia, policy makers of national and EU authorities in the areas of environment, economic affairs, industrial development and agriculture, European agricultural organisations and NGOs.

Registration

To attend the BREW Symposium "White Biotechnology" please order a BioPerspectives day ticket for 11 May 2005 using the registration form available at www.bioperspectives.org. With this ticket you will have access to all BioPerspectives conference sessions, including the BREW Symposium, the poster session and the exhibition.

Alternatively you may also consider to order a 3-day ticket in order to attend the complete BioPerspectives conference from 10 – 12 May. There will be a continuous lecture programme on White Biotechnology and bioprocess engineering on all three days.

Please note that the BREW Symposium will be held in English; while the other BioPerspectives lectures may be held in German or English.

Registration deadline for inclusion in the List of Participants is **10 April 2005**.

Registration Fees ⁽¹⁾

Participants	1-Day Ticket	Congress Ticket
	11 May 2005	10 - 12 May 2005
Industry Members ⁽²⁾	280 €	595 €
	265 €	580 €
Academia Members ⁽²⁾	130 €	265 €
	115 €	250 €
Students ⁽³⁾ Members ⁽²⁾	only congress tickets available	50 € 30 €

(1) No VAT requested according to § 4,22 UStG.

(2) Registration fee for members of the organising societies and EFCE passboard holders

(3) Student identity card required

The registration fee includes lunch, coffee breaks, a list of participants and a book of abstracts.

Cancellations

Cancellations received by 26 April 2005 will be subject to a processing charge of 30 €. After this date 80% of the registration fee will be charged.

Accommodation

Hotel rooms may be booked via "Verkehrsbüro Wiesbaden". A hotel reservation form is available at www.bioperspectives.org.

Conference Office

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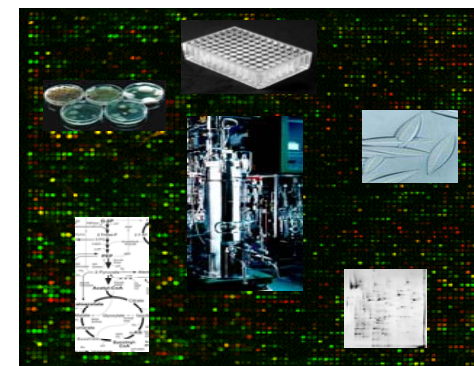
DECHEMA
Gesellschaft für
Chemische Technik und
Biotechnologie e.V.

BREW Symposium

"White Biotechnology"

11 May 2005

Announcement and Programme



integrated in BioPerspectives 2005

biotechnology conference & exhibition
– a joint initiative of 15 organisations –

BioPerspectives 2005

AGD - Arbeitsgemeinschaft Gendagnostik • DBU - Deutsche Bundesstiftung Umwelt •
DECHEMA - Gesellschaft für Chemische Technik und Biotechnologie • DGf - Deutsche
Gesellschaft für Fettwissenschaft • DGPF - Deutsche Gesellschaft für Proteinforschung •
DIB - Deutsche Industrievereinigung Biotechnologie • GBB - Gesellschaft für Biochemie und
Molekularbiologie • Genetik Netzwerke • GTS - Gesellschaft für ökologische Technologie
und Systemanalyse • GVC-VCI Gesellschaft Verfahrenstechnik und Chemieingenieurwesen •
SKB - Schweizerischer Koordinationsausschuss für Biotechnologie • VAMB - Vereinigung für
Allgemeine und Angewandte Mikrobiologie • VBMM - Verband biowissenschaftlicher und
biomedizinischer Gesellschaften • VBU - Vereinigung deutscher Biotechnologiemitarbeiter •
vbiol - Verband Deutscher Biologen und biowissenschaftlicher Fachgesellschaften