

General Information

Payment

Fees should be remitted after the receipt of the invoice in favour of DECHEMA e.V. stating the invoice number to one of the DECHEMA accounts as stated in the invoice. Payment by credit card is also possible (see registration form).

Cancellation

30 € administrative costs will be charged for cancellations made before **October 12, 2009**. Thereafter 80% of the registration fee will be invoiced and the book of abstracts will be sent. Cancellation needs to be made in writing.

Accommodation

Accommodation has been reserved for conference participants at a special rate. Reservations should be made directly at the hotel with the keyword **"Synthetic Biotechnology"** before **October 12, 2009**:

Tryp Hotel Frankfurt
Katharinenkreisel (Opelrondell)
60486 Frankfurt am Main/Germany
Phone: +49 (0)69 70730-500
Fax: +49 (0)69 70730-333
E-Mail: tryp.frankfurt@solmelia.com

Hotel rooms are available at a rate of 92,00 € per night for a single room incl. breakfast. Reservations are binding. Charges for rooms which are not used or cancelled too late, must be paid by the participant.

More hotels of different categories in Frankfurt and the surrounding area can be booked via the room reservation service of our partner:

Frankfurt Tourist+Congress Board
Reservation Hotline: +49 (0)69 21230808
E-Mail: info@infofrankfurt.de
Online Reservation: www.frankfurt-tourismus.de

www.dechema.de/synbio

How to get to DECHEMA

By public transport

From Frankfurt Airport

- approx. 20 min. by taxi
- S-Bahn: S 8, S 9 (line 8 or 9) to the main station (Hauptbahnhof), change to S 3, S 4, S 5 or S-6 (platform 104, underground) to the station Messe, exit Theodor-Heuss-Allee / Festhalle

From the main railway station (Hauptbahnhof)

- approx. 20 min. walk
- approx. 10 min. by taxi
- S-Bahn: S 3, S 4, S 5 or S 6 (platform 104, underground) to the station Messe, Exit Theodor-Heuss-Allee / Festhalle
- Underground: line U 4 direction Bockenheimer Warte to the station Messe, Exit Festhalle and 10 min. walk
- tram/streetcar line 16 or 17 to the stop Festhalle/Messe and 10 min. walk

By car

- Via Autobahn / Westkreuz to Frankfurt Stadtmitte, turn right at first traffic light after the railway bridge
- From the city centre in direction Messe (exhibition grounds), on the Theodor-Heuss-Allee first left-hand turn-off lane before the railway bridge Entrance Varrentrappstraße

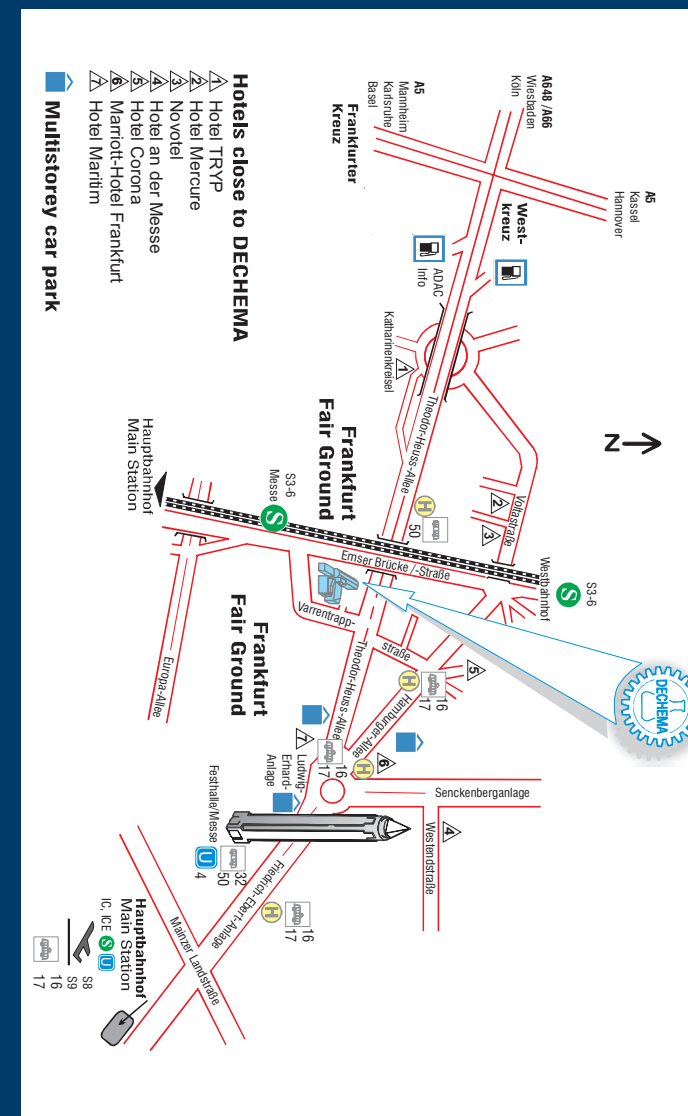
For a detailed route description please check

www.dechema.de/location

Parking spaces on DECHEMA site are limited. Please use the multistorey car parks along Theodor-Heuss-Allee; in direction city: Congress-Center-Messe (CMF) or Messeturm.

Please note: The area of DECHEMA is part of the low emission zone (www.umweltzone.frankfurt.de) in Frankfurt. Only vehicles displaying an appropriate badge on their windscreen will be allowed to enter the low emission zone.

How to get to DECHEMA



www.dechema.de/synbio

Synthetic Bio(techno)logy

Frankfurt/M. · November 9 - 10, 2009

PROGRAMME

 DECHEMA e.V.

 acatech
GERMAN ACADEMY OF
SCIENCE AND ENGINEERING

Propelled by the advancements in molecular and systems biology, biotechnology is currently being transformed into a quantitative engineering science. A new discipline, dubbed synthetic biology, is creating novel biochemical pathways, synthetic genomes and even whole artificial organisms. The technologies' potential and impact are hard to assess yet. For this reason, acatech – German Academy of Science and Engineering and DECHEMA e.V. – Society for Chemical Engineering and Biotechnology – are jointly organising the “Synthetic Bio(techno)logy” conference. Besides presenting cutting-edge research from the US and Europe, the conference will focus on potential applications of synthetic biology, and special sessions will be devoted to related communicative, ethical, safety and legal aspects.

Organised by



DECHEMA e.V.
Society for Chemical Engineering and Biotechnology
Theodor-Heuss-Allee 25
60486 Frankfurt am Main
Germany



acatech – GERMAN ACADEMY OF SCIENCE AND ENGINEERING
Residenz München
Hofgartenstr. 2
80539 Munich
Germany

Organising Committee

L. Blank	TU Dortmund/D
N. Budisa	Max Planck Institute of Biochemistry, Martinsried/D
C. Freund	Leibniz-Institut für Molekulare Pharmakologie, Berlin/D
V. Meyer	Leiden University/NL
B. Müller-Röber	University of Potsdam/D
S. Panke	Laboratory for Applied Synthetic Biology, Basel/CH
A. Pühler	University of Bielefeld/D
K. Schürrie	DECHEMA e.V., Frankfurt/D
P. Stähler	International Association Synthetic Biology, Heidelberg/D
R. Wagner	GENEART AG, Regensburg/D
W. Weber	University of Freiburg/D
M.-D. Weitze	acatech, Munich/D
W. Wiechert	Forschungszentrum Jülich GmbH/D

Programme

Monday, November 9, 2009

- 12.30 **Arrival & Registration**
13.00 **Welcome and Opening**
U.-H. Felcht, acatech, Munich/D

OVERVIEW

- 13.20 **Orthogonality in metabolic networks**
S. Panke, Laboratory for Applied Synthetic Biology, Basel/CH
- 13.45 **Synthetic structures and machines from DNA**
A. Turberfield, University of Oxford/GB
- 14.10 **Optimized biobricks: design, synthesis and applications**
R. Wagner, GENEART AG, Regensburg/D
- 14.35 **Code engineering**
N. Budisa, Max Planck Institute of Biochemistry, Martinsried/D
- 15.00 Coffee break

IMPLICATIONS

- 15.30 **Synthetic biology: new (and old) issues in biosafety and biosecurity**
M. Schmidt, International Dialogue and Conflict Management, Vienna/A
- 15.50 **Biosafety monitoring; technical solutions for biosecurity in synthetic biotechnology**
P. Stähler, International Association Synthetic Biology (IASB), Heidelberg/D
- 16.10 **Public engagement in synthetic biology: when? how? who? why?**
H. de Vriend, LIS Consult, Delft/NL
- 16.30 **Prospects for innovative applications: governance, regulation and upstream engagement**
J. Tait, University of Edingburgh/GB
- 16.50 **Workshop Briefing**
- 17.00 **Workshops**
- 18.00 **Presentation of the Workshop results**
- 18.30 **Buffet**
- 20.00 **Panel Discussion**
(held in German, free access to the general public)
Participants: N. Budisa (MPI für Biochemie), O. Zelder (BASF), V. Mosbrugger (Senckenberg-Museum)
Host: J. Müller-Jung / FAZ
- 22.00 **End of Monday's programme**

Programme

Tuesday, November 10, 2009

- 08.45 **Reception**

ENGINEERED BIOMOLECULES & CELLS

- 09.00 **The chemical biology of aptamers**
M. Famulok, University of Bonn/D
- 09.25 **Self-replication of an RNA enzyme**
T. Lincoln, University of Massachusetts Medical School, Worcester, MA/USA
- 09.50 **Computational design in synthetic biology**
A. Jaramillo, Ecole Polytechnique, Palaiseau/F
- 10.15 **Synthetic biology approach to carbon utilization *Corynebacterium glutamicum***
V. Wendisch, University of Münster/D
- 10.40 **Synthetic microbiology: a driving force for future white biotechnology**
M. Bott, Forschungszentrum Jülich GmbH/D
- 11.05 Coffee break

CIRCUITS & SYSTEMS

- 11.30 **Systems chemistry: artificial replication and multicomponent assembly**
G. von Kiedrowski, University of Bochum/D
- 11.55 **Synthetic expression modules in defined chromosomal sites – towards predictable gene expression**
D. Wirth, Helmholtz Centre for Infection Research, Braunschweig/D
- 12.20 **Enzymatic reactions in artificial vesicle systems**
P. Walde, ETH Zurich/CH
- 12.45 Lunch break
- 13.45 **Insect synthetic biology – developing components and applications**
L. Alphey, University of Oxford/GB
- 14.10 **Engineering of mammalian gene networks**
M. Fussenegger, ETH Zurich/CH
- 14.35 **Streamlining and re-programming microbial catalysts**
V. Martins dos Santos, Helmholtz Centre for Infection Research, Braunschweig/D
- 15.00 **Programming cells**
C. Voigt, University of California, San Francisco, CA/USA
- 15.25 **Farewell**
- 15.30 **End of conference**

General Information

Venue

DECHEMA-House, Theodor-Heuss-Allee 25,
Frankfurt am Main/Germany

Congress Office

DECHEMA e.V.
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Theodor-Heuss-Allee 25
60486 Frankfurt am Main, Germany
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Fax: +49 (0)69 7564-176
E-Mail: haeusler@dechema.de

Office hours:

Monday, November 9, 2009	12.00 – 19.00
Tuesday, November 10, 2009	08.00 – 15.30

Registration Fees*)

	Members**)	Others
Participants from Academia	190 €	205 €
Participant from Industry	290 €	305 €
Students / Pensioners***)	35 €	50 €

*) No VAT requested according to § 4.22 UStG.

***) Personal members of DECHEMA, GDCh, acatech and EFC/EFOE-passport bearers

***) Proof of status required

The conference ticket includes the book of abstracts, list of participants, lunch and the coffee breaks.

Registration

For registration please complete the enclosed registration form and return it to DECHEMA e.V. or use the online registration. Please use a separate registration form for each participant. In general there is no registration deadline as long as free capacity is available.

Please note: Registrations made after **October 30, 2009** are not guaranteed to appear in the list of participants. Confirmation of registration and the invoice will be sent on receipt of the registration form.

Online registration is available at www.dechema.de/synbio