

## Kindly supported by



The Chemical Company



## Conference Secretariat/Venue

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## Registration Fee <sup>1)</sup>

Participant from	Member <sup>2)</sup>	Others
Industry	€ 320	€ 335
Academia	€ 190	€ 205
Student/Pensioner (proof of status required)	€ 60	€ 75

<sup>1)</sup> No VAT requested according to § 4.22 UStG  
<sup>2)</sup> Personal DECHEMA and VDI-GVC members and ECFE/EFC passport holders

The conference ticket includes the book of abstracts, the list of participants, the meals as well as beverages during the breaks.

### Registration

should be made online at [www.dechema.de/cnt\\_IX](http://www.dechema.de/cnt_IX) or by fax, using the form enclosed. There is no registration deadline as long as free capacity is available. Please note: registrations made after **October 10, 2008** are not guaranteed to appear in the list of participants.

Fees should be remitted after the receipt of the invoice in favour of DECHEMA e.V. stating the invoice number, the name of the participant and the keyword "CNT IX", to one of the DECHEMA accounts as stated on the invoice. Payment by credit card is also possible (see registration form).

### Cancellation

€30 administrative costs will be charged for cancellations made before **October 10, 2008**. Thereafter 80% of the registration fee will be invoiced. Cancellations need to be made in writing (E-Mail, letter or fax).

## Accommodation

A contingent of rooms has been reserved for conference participants at a special rate at:

### Mercure Hotel & Residenz

Voltastrasse 29  
D-60486 Frankfurt am Main  
Phone: +49 (0)69-79 26 2710  
Fax: +49 (0)69-79 26 2707  
E-Mail: [h1204-re4@accor.com](mailto:h1204-re4@accor.com)  
Single room: 91 €, per night incl. breakfast

### Novotel Frankfurt City West

Lise-Meitner-Strasse 2  
D-60486 Frankfurt am Main  
Phone: +49 (0)69-79 303 905  
Fax: +49 (0)69-79 303 930  
E-Mail: [h1049-re1@accor.com](mailto:h1049-re1@accor.com)  
Single room: 99 €, per night incl. breakfast

For the reservation of accommodation please contact the hotel directly by **September 26, 2008** at the latest using the keyword "CNT IX".

The Tourismus & Congress GmbH may also help you with your hotel booking: [www.frankfurt-tourismus.de](http://www.frankfurt-tourismus.de)  
Phone: +49 (0)69-212 308 08  
Fax: +49 (0)69-212 405 12

## How to reach DECHEMA

Frankfurt am Main is located in the centre of Germany and can be easily reached by train or airplane.

### From Frankfurt Airport

- By taxi approx. 20 minutes
- S-Bahn: line S 8 or S 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 „Emser Straße/Festhalle“
- Underground: line U 4 direction „Bockenheimer Warte“ to the station „Messe“, Exit „Theodor-Heuss-Allee/Festhalle“ and 10 min. walk
- tram/streetcar line 16 to the station „Festhalle/Messe“ and 10 min. walk

## How to reach DECHEMA

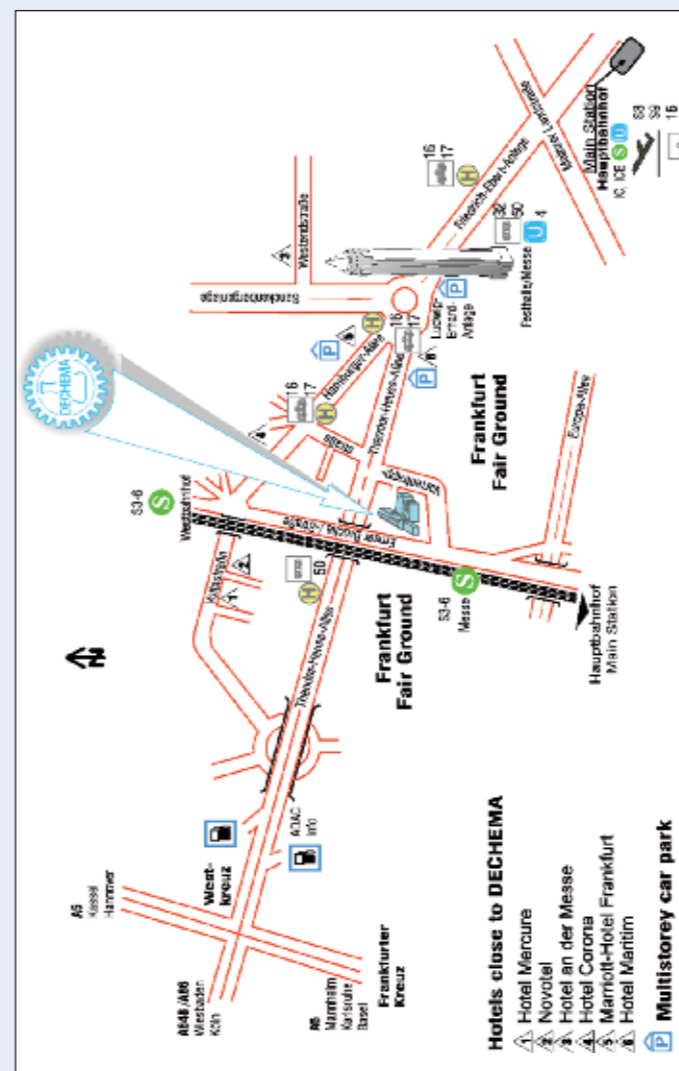
### By car

Via Autobahn/Westkreuz to Frankfurt Stadtmitte, turn right at first traffic light after the railway bridge (Emser Brücke).

From the city centre in direction Messe (fair grounds), on the Theodor-Heuss-Allee first left-hand turn-off lane before the railway bridge.

Entrance Varrentrappstraße

Parking space at DECHEMA site is very limited. Please use one of the parking garages near DECHEMA along Theodor-Heuss-Allee; in direction city: Congress-Center Messe (CMF) or Messturm (see map).



# PROCESSNET

EINE INITIATIVE VON DECHEMA UND VDI-GVC

## Chemical Nanotechnology Talks IX Bio meets Nano

### Programme and Call for Posters



November 3 - 4, 2008

DECHEMA-Haus  
Frankfurt am Main

[www.dechema.de/cnt\\_IX](http://www.dechema.de/cnt_IX)

[www.dechema.de](http://www.dechema.de)



## Invitation

This years **Chemical Nanotechnology Talks IX, "Bio meets Nano"**, sets its focus on interfaces between nanotechnology and the biologically relevant sciences such as biotechnology, biology and medicine, pharmacology and toxicology.

Chip technology, biocidal surfaces and anti-fouling but also improved biocompatibility of materials are some of the topics that will be covered by this years Chemical Nanotechnology Talks (CNT IX). The presentations will cover recent results of this emerging interdisciplinary field.

As in previous years, the poster party will provide you with sufficient time for discussion at the posters and with colleagues as an integral part of CNT. This creates a brilliant opportunity for networking with old and new friends.

Introduced in the last years we will have a poster prize again, awarded not only with an amount of money but also connected with the opportunity for the poster prize winner, to present her or his work at the second day of CNT IX with a 15 minute short lecture. The best posters will be elected by the scientific committee.

We are looking forward to welcoming you in Frankfurt.

## Scientific Committee

Organised by:  
ProcessNet subject division Nanotechnology

**M. Biesalski**, University of Freiburg/D  
**A. Briel**, Bayer Schering Pharma AG, Berlin/D  
**A. Greiner**, University of Marburg/D  
**S. Herth**, University of Bielefeld/D  
**W. Hoheisel**, Bayer Technology Services GmbH,  
Leverkusen/D  
**R. Iden**, BASF SE, Ludwigshafen/D (Chair)  
**H.P. Josel**, Roche Diagnostics GmbH, Penzberg/D  
**P. Krüger**, Bayer MaterialScience AG, Leverkusen/D  
**C. Steinbach**, DECHEMA e.V., Frankfurt am Main/D  
**G. Tovar**, Fhl GB, Stuttgart/D

## Call for Posters

Participants are encouraged to submit an abstract for **poster presentation**. The scientific committee will choose those posters, whose subjects fit best in the lecture programme.

The best posters will be elected by the scientific committee during the poster party on November 3, 2008 and awarded the second day of CNT IX. The author of the first prize poster will be given the opportunity to hold a short lecture (15 minutes) to present her/his results.

Please submit an abstract of 1-2 pages at:  
**[www.dechema.de/cnt\\_IX](http://www.dechema.de/cnt_IX)**

An abstract template for download can also be found on this site.

Deadline for poster submission is **October 3, 2008**.

## Lectures (Subject to change)

### Monday, November 3, 2008

- 10.30 Welcome
- 10.35 **Keynote Lecture**  
**Synthetic protein-mimicking assemblies**  
M. Tirrell, University of California, Santa Barbara, CA/USA
- 11.20 **Core-shell nanocontainers for metal nanoparticles as antimicrobial implant coatings**  
J. Tiller, University of Dortmund/D
- 11.50 **Nanoengineered materials for regenerative therapies**  
C. Werner, Leibniz Institute for Polymer Research  
Dresden e.V./D
- 12.20 **Nanoparticles meet nucleic acid**  
R. Fabis, QIAGEN GmbH, Hilden/D
- 12.50 **Lunch break**
- 14.20 **Biohybrid nanomedicines and self-assembling biomaterials**  
H.A. Klok, EPF, Lausanne/CH
- 14.50 **Nano/microstructured devices for high-resolution and high-throughput electrophysiological analysis in drug development and basic research**  
J. Behrends, University of Freiburg/D
- 15.20 **Soft brains, signal amplification through noise, and taking the bull by its horns**  
J. Käs, University of Leipzig/D
- 15.50 **Coffee break**
- 16.20 **Proteins as mechano-chemical signalling switches**  
V. Vogel, ETH Hönggerberg, Zurich/CH
- 16.50 **Online monitoring of cellular functions in contact with novel nano/microstructured materials**  
K. Maniura, EMPA, St. Gallen/CH
- 17.20 **How important is the nanoscale for surface properties of materials**  
J. Rühle, University of Freiburg/D
- 17.50 **Poster party and election of the best posters**
- 21.00 **End of the first day**

## Lectures (Subject to change)

### Tuesday, November 4, 2008

- 09.00 **Functional surfaces: regulation of cellular functions through adhesion to biofunctionalized nanocluster pattern**  
J. Spatz, University of Heidelberg and MPI for Metals Research, Stuttgart/D
- 09.30 **Microfluidics and surface functionalization for biomedical research**  
R. Stark, University of Munich/D
- 10.00 **Microfluidics towards single cell analytics and non-intuitive separation routes**  
A. Ros, Arizona State University, Tempe, AZ/USA
- 10.30 **Coffee break**
- 11.00 **Poster Award**  
Short lecture of the 1st winner (15 minutes)
- 11.20 **Antimicrobial properties of various polymer/nanosilver compounds**  
H. Münstedt, University of Erlangen-Nuremberg
- 11.50 **New ceramic antifouling coatings based on nanotechnology**  
R. Noninger, ItN Nanovation AG, Saarbrücken/D
- 12.20 **Lunch break**
- 13.45 **Integration of biomaterials into technical applications: Bacteriorhodopsin as an example**  
N. Hampp, University of Marburg/D
- 14.15 **Using biofilms for biocatalysis**  
B. Hauer, BASF SE, Ludwigshafen/D
- 14.45 **End of the conference**