Deutsche Messe
Hannover · Germany

PARTNERS & SPONSORS

YOUR CONTACT

Carola Triebsch
Tel. +49 511 89-31139
carola.triebsch@messe.de

Lühr Schneider
Tel. +49 511 89-32169
luehr.schneider@messe.de

CONFERENCE REGISTRATION

Andrea Busch
Tel. +49 511 89-33575
Tel. +49 511 89-31348
andrea.busch@messe.de

Jens Bürger
Tel. +49 511 89-31338
Tel. +49 511 89-31349
jens.buerger@messe.de

Conference Program

Update

- Biomanufacturing Symposium
- EU BIOTECH DAYS
- Industrial Biotechnology
- Innovation Forum
- Life Science Spotlight
- Partnering
- Science to Market

European BioPerspectives 2008

www.bioperspectives.org

Deutsche Messe
Messegelände
30521 Hannover
Germany
Fax +49 511 89-31218
biotechnica@messe.de

www.biotechnica.de

Hannover | Germany
7–9 October 2008

International Trade Fair, Conferences, Partnering and Award for Biotechnology

www.biotechnica.de

BIO TECHNICA

Veranstaltungen BIOTECHNICA 2008

Willkommen zur BIOTECHNICA 2008!

Das Konferenzprogramm der BIOTECHNICA 2008 gliedert sich in die Themen:

Science & Business mit Europas wichtigstem Biotechnologie-Kongress, den EUROPEAN BIOPERSPECTIVES sowie dem Kongress "Science to Market".

BioBusiness u.a. mit dem BIOTECHNICA PARTNERING und dem BIOTECHNICA INNOVATIONS-FORUM (dieses Jahr erstmals direkt im Ausstellungsbereich der Halle 9).

BioPolitics ist mit zwei hochkarätigen Veranstaltungen in Zusammenarbeit mit der Europäischen Kommission und dem Europäischen Parlament vertreten. Die Biopolitik-Konferenz (vormals Deutsche Biotechnologietage) gibt am 1. Messetag den Auftakt des umfangreichen Konferenzprogramms.

Über 400 exzellente Referenten werden im Convention Center und in den Ausstellungshallen aktuelle Trends und Forschungsergebnisse sowie erfolgreiche Anwendungen aus der Praxis präsentieren.

Wichtige Hinweise für den Besucher:

Konferenzsprachen:

- Die Vortragssprache aller Vorträge geht aus der Sprachfassung des jeweiligen Titels hervor, deutsch und/oder englisch.
- Sofern nicht anders gekennzeichnet, ist die Teilnahme an den Vortragsveranstaltungen für alle BIOTECHNICA-Besucher kostenfrei.

Wir wünschen Ihnen einen erfolgreichen Messeaufenthalt! Besuchen Sie unsere vier Veranstaltungssäulen Ausstellung.Konferenzen.Partnering.Award!

Events at BIOTECHNICA 2008

Welcome to BIOTECHNICA 2008!

The conference program of BIOTECHNICA 2008 is divided into the following themed segments:

Science & Business, featuring Europe's foremost biotech congress, EUROPEAN BIOPERSPECTIVES, plus the "Science to Market" conference.

BioBusiness, featuring the revamped BIOTECHNICA PARTNERING and the BIOTECHNICA INNOVATION FORUM (now located right on the exhibition floor in hall 9) and more …

BioPolitics, featuring a rich conference program including two high-caliber events being staged in collaboration with the European Commission and the European Parliament: The Biopolitics Conference (formerly "Deutsche Biotechnologietage") will get the program rolling on day on of BIOTECHNICA.

At the Convention Center and in the exhibition halls more than 400 top-flight speakers will be talking about current trends and research findings, as well as successful practical applications.

Important information for visitors

Conference Language

- The language of all events is revealed by their titles
  – English title = lecture in English
  – German title = lecture in German
  – English and German title = simultaneous translation
- Unless otherwise specified, admission is free of charge to all BIOTECHNICA fairgoers.

Have a great time at the fairground and visit our four event columns Exhibition. Conferences. Partnering. Award!

Conditions for Participation / Organizational information BIOTECHNICA Conferences 2008

ORGANIZERS:

DECHEMA e.V.
DECHEMA e.V.
Theodor-Heuss Allee 25
60468 Frankfurt am Main – Germany
Matthias Neumann
Phone: +49 69 7564 254
Email: neumann@dechema.de

EAPB
European Association of
Pharma Biotechnology
Kelchstr. 31
12169 Berlin – Germany

Conference Project Manager:
Dr. Inge Mühldorfer
Phone: +49 7392 701252
Email: inge.muehldorfer@rentschler.de

***Bio*[M] WB GmbH**
Bio[M] WB GmbH
Am Klopferspitz 19
82152 Martinsried – Germany
Prof. Dr. Haralabos Zorbas
Phone: +49 89 899679-26
Email: zorbas@bio-m.org

CapGemini
Capgemini Deutschland GmbH
Life Sciences
Löffelstr. 44-46
70597 Stuttgart – Germany
Dr. Jan Farfsing
Phone: +49 711 50505-137
Email: jan.farfsing@capgemini.com

BiomeTI e.V.
BiomeTI e.V.
Garbsener Landstr. 10
30419 Hannover
Dr.-Ing. habil. Andreas Ostendorf
Phone: +49 511 2772810
Email: info@biometi.de

Deutsche Messe AG
Deutsche Messe AG
Messegelände
30521 Hannover – Germany
Carola Triebsch
Phone: +49 511/89 31139
Email: carola.triebsch@messe.de

REGISTRATION FOR:

Deutsche Messe AG will handle the registrations for the following conferences:

European BioPerspectives 2008
On behalf and the account of **DECHEMA e.V**

Science to Market – EAPB Conference
On behalf and the account of **EAPB**

Biopolitics Conference
On behalf and the account of **Deutsche Messe AG**

Biomanufacturing Symposium
On behalf and the account of **Deutsche Messe AG**

BIOTECHNICA PARTNERING
On behalf and the account of **Deutsche Messe AG**

EU BIOTECH DAYS
Participation free of charge to BIOTECHNICA ticket holders

Foundation of Spin-Offs and Exit Strategies in the White Biotechnology
On behalf and the account of ***Bio*[M] WB GmbH**

BiomeTI Roadshow
On behalf and the account of BiomeTI e.V.

Registration formalities
Please submit one registration form per participant. To register, use the enclosed registration form or register online at **http//:www.biotechnica.de/con**

Tickets and documents
You will also receive your trade fair admission ticket (if ticket is included) with your confirmation of participation.
You will receive your name badge and other documents in the foyer of the Convention Center (CC) at the **"Registration Desk".**

Last minute registration
To avoid waiting times, we ask you that you register at least **45 minutes** before the start of the event.

Payment
Payment of registration fees can be made by:
Bank transfer
After your registration has been received, you will receive an invoice requesting you to transfer the amount to one of the accounts which is mentioned on the invoice. Please do not fail to quote the **invoice number** and the **"name of the conference."**

Credit card
For payments by credit card, the credit card company, number, and expiration date must be marked on the registration form. The receipt will be sent to you with the invoice. For registration at the event, the registration fee has to be paid by credit card.

Cancellation
€ 20 administrative costs will be charged for cancellations before 15 September 2008. Thereafter 80 % of the registration fee will be invoiced. Cancellations need to be made in writing (email, letter or fax). Refunds are not available for trade fair admission tickets that have already been purchased. Admission tickets already dispatched must be returned to Deutsche Messe AG.

Services
- Participation in the congress on the event days as reserved
- Participation pack (different to each congress/ conference)
- Drinks during coffee breaks
- Trade fair admission ticket
- Participation in sessions, workshops and supporting program as booked

REGISTRATION

Contact

Deutsche Messe AG
Nevin Bozkurt
Sonja Wicke
Tel. +49 511/89-3 13 48
Tel. +49 511/89-3 13 49
nevin.bozkurt@messe.de
sonja.wicke@messe.de

Deutsche Messe AG
Vesna Koch
Niki Ohler
Tel. +49 511/89-3 13 38
Tel. +49 511/89-3 35 75
vesna.koch@messe.de
niki.ohler@messe.de

VENUE
Convention Center (CC)
Messegelände
30521 Hannover – Germany

Program of the conferences
The organizers reserves the right to make changes to the program.

BioScience

Science & Business

BioPolitics

BioBusiness

Status as of 26 September 2008 / Program subject to change.

“Science to Market” – EAPB Conference

Convention Center (CC), Saal/Room 1 A, 11, 12
07.10.2008, 08:30–21:00 Uhr/hrs
08.10.2008, 08:30–15:00 Uhr/hrs

Erstmalig richtet die EAPB in Zusammenarbeit mit der BioPerspectives die Konferenz „Science to Market“ aus. Ziel des europäischen Events ist die Förderung der Zusammenarbeit von Wissenschaft und Industrie im Bereich der pharmazeutischen Biotechnologie, um die Weiterentwicklung von kommerzialisierbaren Technologien und Produkten voranzutreiben. Im Fokus stehen neue biopharmazeutische Arzneimittel- und Diagnostik-Entwicklungen sowie innovative Technologien.

For the first time EAPB organizes in cooperation with BioPerspectives the conference “Science to Market”. The goal of this European event is the promotion of collaborations between science and industry in the area of pharmaceutical biotechnology to enhance the economical output of scientific research and direct them into marketable technologies and products. The conference focuses on biopharmaceutical drug and diagnostic developments and novel technologies for the development and production

Veranstalter/ *Organizer*
European Association of Pharma Biotechnology
Conference Project Manager:
Inge Mühldorfer (contact see below)
in cooperation with:
European BioPerspectives 2008

Sprache/ *Language*
Englisch/English

Teilnahme/ *Participation*
Participation fee (no VAT requested according to § 4.22 UStG).

Member of EAPB/EFB:	**Non-Member:**
455,00 EUR (Industry)	470,00 EUR (Industry)
195,00 EUR (Academia)	210,00 EUR (Academia
40,00 EUR (Students)	55,00 EUR (Students)

The conference fee includes
– Participation on October 7 and 8, 2008
– Trade fair admission tickets
– Coffee breaks
– BIOTECHNICA Night
– Social event on October 7, 2008
Registration required via Deutsche Messe with “REGISTRATION FORM BIOTECHNICA CONFERENCES 2008” online at http//:www.biotechnica.de/con or at the “Registration-desk” in the Convention Center

Conditions for participation and general information see program on pages 101

Kontakt/ *Contact*
Inge Mühldorfer
Telefon: + 49 7392 701-252
Fax: + 49 7392 701-220
E-mail: inge.muehldorfer@rentschler.de

Dienstag/*Tuesday*, 07.10.2008

08:30–09:00 **Registration in the foyer of Convention Center “Registration Biotechnica Conferences”**

Room 1 A

09:00–09:15 **Welcome, Introduction and Opening remarks**
Wieland W. Wolf, President of the EAPB, Rentschler Biotechnologie GmbH, Laupheim (D)

09:15–10:00 **Keynote Lecture: “Rational protein design – In vitro evolution of antibody therapeutics”**
Andreas Plückthun, University of Zurich (CH)

10:00–10:15 **Coffee Break**

Workshop 1: “Therapeutics and diagnostics“ – Room 11

Moderation: Inge Mühldorfer, Rentschler Biotechnologie GmbH, Laupheim (D)

10:15–10:45 **Immune therapy against Alzheimer’s disease**
Richard Dodel, Philipps-University Marburg (D)

10:45–11:15 **Gene diagnostics as a tool for individualized medicine**
Johannes Oldenburg, University Clinic Bonn (D)

11:15–12:30 **Oral poster presentations:**
(1a) Novel biopharmaceuticals and diagnostics

Workshop 2: “Novel technologies“ – Room 12

Moderation: Wieland W. Wolf, Rentschler Biotechnologie GmbH (D)

10:15–10:45 **Beyond immunotoxins: Human fusion proteins for tumor therapy**
Stefan Dübel, Technical University of Braunschweig (D)

10:45–11:15 **The Emerging therapeutic concept of nanobodies**
Paul van Bergen en Henegouwen, Utrecht University (NL)

11:15–12:30 **Oral poster presentations:**
(2a) Novel biopharmaceutical drug formats

12:30–14:00 **Lunch Break in hall 9** (Lunch is not included in the participation fee)

Workshop 1: “Therapeutics and diagnostics“ – Room 11

Moderation: Henrik L. Luessen, Tytonis BV, Alkmaar (NL)

14:00–14:30 **Role of toxicogenomics in preclinical drug safety assessment**
Roy Forster, International Toxicology Centre CIT, Evreux (F)

14:30–15:00 **Transient PEGylation technology – Preserving the original pharmacology of protein**
Dirk Vetter, Ascendis Pharma GmbH, Heidelberg (D)

15:30–17:00 **Oral poster presentations:**
(1a) Novel biopharmaceuticals and diagnostics
(1b) 2nd generation biopharmaceuticals

Workshop 2: “Novel technologies“ – Room 12

Moderation: Karoline Bechtold-Peters, Boehringer-Ingelheim Pharma GmbH & Co. KG, Biberach an der Riss (D)

14:00–14:30 **Innovative upstream processing technologies for the efficient production of therapeutics**
Karl Bayer, University of Natural Resources and Applied Life Sciences, Vienna (A)

14:30–15:00 **Novel expression system based on Ciliates of the species Tetrahymena for the production of therapeutic proteins**
Marcus Hartmann, Cilian AG, Münster (D)

15:00–15:30 **Coffee Break**

15:30–17:00 **Oral poster presentations:**
(2b) Novel up-and downstream developments

Foyer Room 1

17:00–18:30 **Networking at poster boards**

Room 2

18:30–19:15 **Special Keynote Lecture:**
"Future perspectives on stem cell research"
Stephen Minger, King´s College London (UK)

Room 3

19:30–21:00 **Social Event**

Mittwoch/*Wednesday*, 08.10.2008

08:30–09:00 **Registration in the foyer of Convention Center**
"Registration Biotechnica Conferences"

Room 1 A

09:00–09:45 **Keynote Lecture:**
"Gene therapy – balancing toxicity and efficiency"
Christopher Baum, Medical School Hannover (D)

09:45–10:00 **Coffee Break**

Workshop 1: "Therapeutics and diagnostics" – Room 11

Moderation: Heiko E. von der Leyen, Hannover Clinical Trial Center GmbH, Hannover (D)

10:00–10:30 **Vaccination against high blood pressure**
Patrik Maurer, Cytos Biotechnology AG, Schlieren (CH)

10:30–11:00 **Mucosal immunization using DNA vaccines**
Gerrit Borchard, University of Geneva, Geneva (CH)

11:00–12:15 **Oral poster presentations:**
(1c) Novel vaccines and gene therapy developments

Workshop 2: "Novel technologies" – Room 12

Moderation: Barry D. Moore, XstalBiol, Glasgow (UK)

10:00–10:30 **Nanotechnology applications in nano medicine**
Elena Martinez Fraiz, Institute for Bioengineering of Catalonia – IBEC, Barcelona (ES)

10:30–11:00 **Exploiting precipitation and crystallization of monocional antibodies for drug development**
Karoline Bechtold-Peters, Boehringer Ingelheim Pharma GmbH & Co. KG, Biberach/Riss (D)

11:00–12:15 **Oral poster presentations:**
(2c) Novel biopharmaceutical drug delivery and analytical tools

Room 1 A

12:15–12:45 **Panel discussion and closing remarks**

Foyer Room 1

12:45–15:00 **Networking at poster boards**

2008

European BioPerspectives

in co-operation with BIOTECHNICA 2008

Program

www.bioperspectives.org

European BioPerspectives 2008

Convention Center (CC), Room 2 (Plenary Lectures)
07.10.2008, 13:30–21:00 Uhr/hrs / 08.10.2008, 09:00–17:30 Uhr/hrs
09.10.2008, 09:00–17:20 Uhr/hrs

Die EUROPEAN BIOPERSPECTIVES 2008 ist der 4. Biotechnologie-Fachkongress, der 21 Fachgesellschaften und Organisationen aus Biowissenschaften und Biotechnologie in dem Ziel vereint, ein aktuelles und anspruchsvolles wissenschaftliches Vortragsprogramm anzubieten. Die Partner repräsentieren zusammen rund 30.000 individuelle Mitglieder. Das wissenschaftliche Komitee setzt sich aus renommierten Fachvertretern zusammen, die hohe Qualität und thematische Breite des mehrsträngigen Programms gewährleisten.

European BioPerspectives 2008 is the fourth conference of this format which unites 21 major biotechnology and biosciences organisations in presenting an excellent scientific program from many areas of research. The partners have a total of 30,000 individual members. The scientific committee consists of renowned experts who take care of the high quality and diversity of the multi-session program.

Veranstalter/ *Organizer*
DECHEMA – Gesellschaft für Chemische Technik und Biotechnologie e.V.
Theodor-Heuss-Allee 25
D-60486 Frankfurt
(for organizers see pages 38 pp)

Sprache/ *Language*
Englisch/English

Teilnahme/ *Participation*

Participation fee (no VAT requested according to § 4.22 UStG.)

		Member:*	**Non-Member:**
Full Conference Pass	Industry	580,00 EUR	595,00 EUR
	Academia	250,00 EUR	265,00 EUR
	Students	40,00 EUR	55,00 EUR
2 Day Ticket	Industry	455,00 EUR	470,00 EUR
	Academia	195,00 EUR	210,00 EUR
1 Day Ticket	Industry	265,00 EUR	280,00 EUR
	Academia	100,00 EUR	115,00 EUR

*Personal member of one of the organizing societies of European BioPerspectives

The conference fee includes:

– Participation in the congress on the event days as reserved
– List of participants
– Book of abstracts
– BIOTECHNICA Night
– Drinks during coffee breaks
– Trade fair admission ticket(s)
– Poster party on October 7, 2008

Registration required via Deutsche Messe with "REGISTRATION FORM BIOTECHNICA CONFERENCES 2008" online at http//:www.biotechnica.de/con, or at the Registraion desk in the Convention Center

Kontakt/ *Contact*
Matthias Neumann/Dr. Karsten Schürrle
Telefon: +49(0)69 7564-254 /-162
E-mail: contact@bioperspectives.org

October 7–9, 2008,
Telefon:+49 511 8608212
E-mail: neumann@dechema.de

EUROPEAN BIOPERSPECTIVES 2008

SCIENTIFIC COMMITTEE

Thomas Altmann	Golm
Rudi Balling	Braunschweig
Ulrich Behrendt	Sindelsdorf
Uwe Bornscheuer	Greifswald
Erwin Flaschel	Bielefeld
Ronald Frank	Braunschweig
Bernward Garthoff	Leverkusen
Hinrich Harling	Einbeck
Hansjörg Hauser	Braunschweig
Stefanie Heiden	Osnabrück
Manfred Kircher	Marl
Konrad Kohler	Tübingen
Christine Lang	Berlin
Hans Lehrach	Berlin
Andreas Liese	Hamburg
Friedrich Lottspeich	Martinsried
Ulrich Martin	Hannover
Heike Mertsching	Stuttgart
Hans-Peter Meyer	Visp (Switzerland)
Beat Mollet	Lausanne (Switzerland)
Peter Nürnberg	Cologne
Dietmar Peters	Gülzow
Jörn Piel	Bonn
Alfred Pingoud	Giessen
Alfred Pühler	Bielefeld
Oscar-Werner Reif	Göttingen
Carsten Roller	Munich
Felicia Rosenthal	Freiburg
Thomas Scheper	Hannover
Andreas Schmid	Dortmund
Dietmar Schomburg	Braunschweig
Andreas Schütte	Gülzow
Helmut Schwab	Graz (Austria)
Arne Skerra	Freising-Weihenstephan
Konrad Soyez	Wilhelmshorst
Roland Ulber	Kaiserslautern
Dirk Weuster-Botz	Garching
Wolfgang Wiechert	Siegen

T. Scheper

R. Balling

Welcome to European BioPerspectives 2008!

Since last year's conference biotechnology has seen a lot of developments:
VBIO – German Life Sciences Association, founded during European BioPerspectives 2007, has since then taken up its full activities now representing more than 35.000 individual members from the life sciences area in Germany.

We have seen the European Commission's 7th Framework Program starting with the first calls. IMI – the Innovative Medicines Initiative, a joint venture of the European Commission and EFPIA – European Federation of Pharmaceutical Industries and Associations, just has launched its first call. The German BioIndustry 2021 Clusters started their activities and the national BioPharma program was announced. We have seen new products coming to the market and new facilities starting their production. Substantial progress has been made in many science areas, offering new chances for new products in different industrial applications.

Learn about all these developments at European BioPerspectives 2008!

This year, European BioPerspectives visits Hannover, one of Northern Germany's biotechnology capitals with a large number of research institutes, universities and companies. Hannover is well known among biotechnologists because it is home of BIOTECHNICA, Europe's most important annual biotechnology trade show.
With the decision to move to Hannover this year the 21 partner organizations of European BioPerspectives agreed to have both events in parallel.
The result will be an event with a new dimension for Europe: the full diversity of biotechnology in one place at a time!

We are looking forward to welcoming you to Hannover.

Thomas Scheper
Chairman of DECHEMA Biotechnology

Rudi Balling
Chairman of VBIO

PROGRAM AT A GLANCE TUESDAY, OCTOBER 7, 2008

Science to Market
organized by EAPB –
European Association of Pharma Biotechnology

8:30	Registration	
9:00	**Room 1A**	Welcome W. Wolf
9:15	**Room 1A**	**KEYNOTE** **A. Plückthun**
10:00	**Coffee break**	
	Room 11	**Room 12**
10:15	R. Dodel	S. Dübel
10:45	J. Oldenburg	P.M.P. van Bergen en Henegouwen
11:15	**Room 1A**	Oral poster presentations
12:30	**Lunch break**	
	Room 12	**Room 11**
14:00	R. Forster	K. Bayer
14:30	D. Vetter	M. Hartmann
15:00	**Coffee break**	
15:30	**Room 1A**	Oral poster presentations
17:00	Networking	
18:30		
19:30	Social event	

13:30	**Welcome**			
13:40	**Room 2**	**PLENARY LECTURE** **M. Flickinger**		
	Room 18	**Room 13/14**	**Room 15/16**	**Room 17**
	Prokaryotic Genomics	**Biocatalysis**	**Fermentation**	**Natural Products**
Chair	A. Pühler	A. Liese	E. Flaschel	R. Frank
14:35	**KEYNOTE** **R. Müller**	G. Antranikian	G. Steinhorn	T.L.H. Pham
15:00		M. Struhalla	P.-J. Lin	J. Imhoff
15:25	A. Schlüter	N. Weizenmann	M. Rhiel	F. de la Calle
15:50	**Coffee break**			
16:20	W. Wohlleben	J. Schrader	**KEYNOTE** **C. Wyman**	R. Cox
16:45	K. Niehaus	M. Martinez		D. O'Hagan
17:10	J. Kalinowski	J. von Langermann	T. Purkarthofer	J. Pietruszka
17:35	M. Brocker	**KEYNOTE** **R. Kazlauskas**	H. Schmidt	A. Kirschning
18:00	M. Bott		S.N. Lindner	M. Müller
18:30	**Room 1A**	**PLENARY LECTURE** **S. Minger**		
	Room 1A	**BIOTECHNICA GRADUATE AWARD** **R. Balling**		
19:30	**Hall 9**	**Poster Party**		General Assembly of DECHEMA Biotechnology

PROGRAM AT A GLANCE WEDNESDAY, OCTOBER 8, 2008

Science to Market
organized by EAPB – European Association of Pharma Biotechnology

	Room 1A
9:00	KEYNOTE C. Baum
9:45	Coffee break

	Room 11	Room 12
10:00	P. Maurer	E. Martinez Fraiz
10:30	G. Borchard	K. Maynard
11:00	Room 1A: Oral poster presentations	
12:15	Room 1A: Panel discussion	
12:45	Networking / Lunch break	

	Room 2
9:00	PLENARY LECTURE J. Mattick
	Room 2: DECHEMA AWARDS CEREMONY A. Oberholz

	Room 17	Room 18	Room 13/14	Room 15/16	Room 3A	Room 3B	Room Frankfurt
	Bioinformatics / Metabolome Analysis	Eukaryotic Genomics	Measuring & Control	Downstream Processing	ChemBioTec	German Platform White Biotechnology	VBU BioBusiness Forum*
Chair	D. Schomburg	H. Blöcker	T. Scheper	R. Ulber	F. Eiden	B. Garthoff	U. Behrendt
10:00	J. Spura	K. Stangier	V. Schünemann	L. Villain	H. Zorn	A. Oberholz	M. Partl
10:25	T. Koal	C. Maercker	T. Becker	N. Tippkötter	B. Geueke	P. Lange	G. Lustyik
10:50	Coffee Break						
11:15	S.R. Talbot	F. Weise	E. Heinzle	KEYNOTE R. DiCosimo	T. Eggert	C. Wandrey	P. Grigorjev
11:40	KEYNOTE O. Kohlbacher	M. Sultan	A. Vester		U. Bornscheuer	H. Zinke	T. Twardowski
12:05		A. Pscherer	A. Glindkamp	L. Eggeling	F. Giffhorn	M. Schnee	V. Eryomin
12:30	Lunch break						

	Room 2
14:00	PLENARY LECTURE W. Weber

	Room 11	Room 17	Room 18	Room 13/14	Room 15/16	Room 3A	Room 3B	Room Frankfurt
	REBIRTH*	Bioinformatics / Metabolome Analysis	Proteomics	Measuring & Control	Downstream Processing	ChemBioTec	German Platform White Biotechnology	VBU BioBusiness Forum*
Chairs / Chair	A. Haverich / U. Martin	O. Kohlbacher	F. Lottspeich	E. Heinzle	C. Wandrey	U. Bornscheuer	D. Sell	C. Lang
14:55	U. Martin	A. Torda	KEYNOTE B. Lange	R. Luttmann	E.M. del Amor Villa	P. Fröhlich	Highlights 2021-Clusters	J. Ryan
15:20	J. Borstlap	M. Rarey		C. Buckl	M. Mirata	B. Bühler		L. Vingiani
15:45	J.M. Braun	I. Koch	A. Brunner	A. Bluma	J. Arfsten	L. Greiner	V. Sieber	W. Skibar
16:10	Coffee break							
16:40	K. Kratz	KEYNOTE C. Proctor	G. Poschmann	A.-P. Zeng	S. Billig	G. Schembecker	T. Hirth, C. Syldatk, B. Gilleßen, C. Schulze Gronover	B. Gilarranz
16:55	C. Kasper							
17:05			H. Göhler	S. Steigmiller	K. Ralla	A. Spieß		
17:10	K. Boztug							17:15 General Assembly of the German Association of Biotechnology Companies (VBU)
18:30	BIOTECHNICA Night							

* organized by Hannover Medical School (MHH)

* attendance of VBU BioBusiness Forum is free of charge/organized by VBU – Association of German Biotechnology Companies

PROGRAM AT A GLANCE THURSDAY, OCTOBER 9, 2008

9:00	Room 2	PLENARY LECTURE R. Aebersold			
	Room 3A	Room 13/14	Room 17	Room 15/16	Room 18
	Protein Engineering	Systems Biology	Cell Culture Technology/ Medical Applications	Renewables	DBU Fellowship Session
Chair	A. Pingoud	B. Junker	R. Pörtner	R. Ulber	A. Liese
9:55	KEYNOTE F. Buchholz	T. Fürch	KEYNOTE J. Itskovitz-Eldor	R. Hausmann	T. Fischer
10:20		A. Kremling		M. Rarbach	J. Rehdorf
10:45	Coffee break				
11:15	M. Schlapschy	S. Noack	M. Mehtali	KEYNOTE S. Mayfield	K. Ullrich
11:40	B. Stosik	P. Götz	KEYNOTE F.M. Wurm		J. Rühl
12:05	S. Dorscheid	L. Wiehlmann		P. Welters	N. Luniak
12:30	Lunch break				
14:00	Room 2	PLENARY LECTURE J. Chin			
	Room 3A	Room 13/14	Room 17	Room 15/16	Room 18
	Protein Engineering	Synthetic Biology	Cell Culture Technology/ Medical Applications	Renewables	ChemBioTech
Chair	A. Skerra	W. Weber	H. Hauser	C. Syldatk	A. Schmid
14:55	KEYNOTE D. Hilvert	T. May	A. Rath	V. Lürbke	U. Kragl
15:20		B. Wiltschi	R. Pörtner	D. Ihrig	S. Bräutigam
15:45	P. Kornberger	M. Tigges	D. Wirth	O. Pulz	M. Berheide
16:10	Coffee break				
16:30	C. Lange	A. Tauch	T. Cantz	H. Dörnenburg	M. Bureik
16:55	V. Urlacher		C. Cavelier	V. Georgiev	A. Neumann
17:20	End of conference				

Tuesday, October 7, 2008 13:30

WELCOME

Prof. Thomas Scheper
University of Hannover/D

PLENARY LECTURES

Tuesday, October 7, 2008

Microbial biocatalysis in nanostructured adhesive coatings 13:40
Prof. Michael C. Flickinger, North Carolina State University, Raleigh, NC/USA

Therapeutic and research potential of human stem cells: prospects and challenges 18:30
Dr. Stephen Minger, King's College London/UK

Wednesday, October 8, 2008

The human genome as an RNA machine 9:00
Prof. John Mattick, The University of Queensland, Brisbane/AUS

Synthetic biology in mammalian cells – novel perspectives for drug discovery and bioengineering
Dr. Wilfried Weber, ETH Zurich/CH

Thursday, October 9, 2008

Quantitative proteomics and systems biology 9:00
Prof. Rudolf Aebersold, ETH Zurich and University of Zurich/CH and Institute for Systems Biology, Seattle, WA/USA

Ribosome engineering and new genetic codes 14:00
Dr. Jason W. Chin, MRC Laboratory of Molecular Biology, Cambridge/UK

KEYNOTE LECTURES

Tuesday, October 7, 2008

Myxobacterial functional genomics for the production of bioactive natural products 14:35
Prof. Rolf Müller, Saarland University, Saarbrücken/D

Biological production of sustainable transportation fuels from plants: progress, challenges and opportunities 16:20
Dr. Charles E. Wyman, University of California, Riverside, CA/USA

Teaching enzymes to catalyze new reactions 17:35
Prof. Romas Kazlauskas, University of Minnesota, St. Paul, MN/USA

Wednesday, October 8, 2008

Enzymatic production of peracetic acid 11:15
Dr. Robert DiCosimo, Du Pont Company, Wilmington, DE/USA

Computational proteomics – making sense of gigabytes 11:40
Prof. Oliver Kohlbacher, University of Tübingen/D

A molecular interaction network characterising composition and protein complex function in cell division pathways 14:55
PD Dr. Bodo Lange, Max Planck Institute for Molecular Genetics, Berlin/D

Molecular mechanisms of ageing – an *in silico* approach 16:40
C.J. Proctor, University of Newcastle/UK

KEYNOTE LECTURES

Thursday, October 9, 2008

Development of site-specific recombinases for genome surgery — 9:55
Dr. Frank Buchholz, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden/D

Production and expansion of human embryonic stem cells for clinical and industrial applications — 9:55
Prof. Joseph Itskovitz-Eldor, Technion – Israel Institute of Technology, Haifa/IL

Micro-algae as a platform for the production of therapeutic proteins and biofuels — 11:15
Dr. Stephen P. Mayfield, The Scripps Research Institute, La Jolla, CA/USA

25 years of cell culture based manufacturing for a multi-billion $ market with recombinant biopharmaceuticals – from gene to process — 11:40
Prof. Florian M. Wurm, Swiss Federal Institute of Technology, Lausanne/CH and ExcellGene SA, Monthey/CH

Teaching old enzymes new tricks — 14:55
Prof. Donald Hilvert, ETH Zurich/CH

13:30 Room 2 — WELCOME

13:40 Room 2 — PLENARY LECTURE

Microbial biocatalysis in nanostructured adhesive coatings
M.C. Flickinger, North Carolina State University, Raleigh, NC/USA

	Room 18	Room 13/14
	Prokaryotic Genomics	**Biocatalysis**
Chair	A. Pühler	A. Liese
14:35	KEYNOTE LECTURE **Myxobacterial functional genomics for the production of bioactive natural products** R. Müller, Saarland University, Saarbrücken/D	**Extremophiles as a source of enzymes for industrial application** G. Antranikian, Hamburg University of Technology (TUHH)/D
15:00		**A new mutagenesis method for the engineering of enzymes for biocatalysis** M. Struhalla, c-LEcta GmbH, Leipzig/D
15:25	**Insight into the metagenome of a biogas plant microbial community** A. Schlüter, A. Goesmann, Bielefeld University/D; L. Krause, Nestle Research Center, Lausanne/CH; R. Szczepanowski, A. Pühler, Bielefeld University/D	**Side-directed mutagenesis of the amylomaltase from *Thermus aquaticus* ATCC 33923** N. Weizenmann, C. Roth, N. Straeter, W. Zimmermann, University of Leipzig/D
15:50	Coffee break	

Room 2 — WELCOME — **13:30**

Room 2 — PLENARY LECTURE — **13:40**

Microbial biocatalysis in nanostructured adhesive coatings
M.C. Flickinger, North Carolina State University, Raleigh, NC/USA

	Room 15/16	Room 17
	Fermentation	**Natural Products**
	E. Flaschel	R. Frank
14:35	**The continuously operated shaken bioreactor system COSBIOS as a novel tool for testing plasmid stability** G. Steinhorn, RWTH Aachen University/D; C. Müller, m2p-labs GmbH, Aachen/D; J. Weber, TU Dresden/D; T. Anderlei, Kühner AG, Basel/CH; J. Büchs, RWTH Aachen University/D	**Investigation of secondary metabolites from microorganisms by using a combination of on-line and off-line chromatographic and spectroscopic methods** T.L.H. Pham, TU Berlin/D; I. Zaspel, D. Ewald, Federal Research Institute for Rural Areas, Forestry and Fisheries, Waldsieversdorf/D; C. Mügge, Humboldt Universität Berlin/D; E. Krause, Leibniz Institute for Molecular Pharmacology, Berlin/D
15:00	**Effect of agitation and aeration on pelleted morphology and product formation of *Aspergillus niger*** P.-J. Lin, T. Hagemann, A. Stintzing, C. Appel, D.C. Hempel, R. Krull, TU Braunschweig/D	**Marine biotechnology: bio-mining the treasures of the ocean** J.F. Imhoff, A. Labes, I. Kajahn, M. Krämer, R. Stöhr, V. Thiel, J. Wiese, Kieler Wirkstoffzentrum am IFM-GEOMAR/D
15:25	**First-time-right process development with a fully automated 32 bioreactor system operated as scale-down model of the final production bioreactors** M. Rhiel, R. Faller, L. Hostettler, J. Sieck, T. Grün, C. Leist, Novartis Pharma AG, Basel/CH	**From marine biodiversity to innovative drugs. The experience of PharmaMar** F. de la Calle, PharmaMar S.A., Madrid/ES
15:50	Coffee break	

	Room 18	Room 13/14
	Prokaryotic Genomics	**Biocatalysis**
Chair	A. Pühler	A. Liese
16:20	**Antibiotic biosynthesis: from the DNA sequence to the product** W. Wohlleben, E. Stegmann, T. Weber, University of Tübingen/D	**Novel application and improved production of chloroperoxidase from *Caldariomyces fumago*** B.-A. Kaup, K. Ehrich, M. Pescheck, M. Buchhaupt, D. Holtmann, J. Schrader, DECHEMA e.V., Frankfurt am Main/D
16:45	**Functional genomics of the xanthan-producing phytopathogen *Xanthomonas campestris* pv. *campestris*** K. Niehaus, Bielefeld University/D	**Valorization of isosorbide. Optimal biosynthesis of mono ricinoleyl ester** M. Martínez, N. El Boulifi, J. Aracil, Compluentse University, Madrid/E
17:10	**The transcriptional regulatory network controlling sulfur metabolism in *Corynebacterium glutamicum*** C. Rückert, A. Albersmeier, J. Milse, A. Lömker, D. Koch, D. Rey, A. Pühler, J. Kalinowski, Bielefeld University/D	**Total suppression of the non-enzymatic reaction in hydroxynitrile lyase catalysed cyanohydrin synthesis** J. von Langermann, U. Kragl, University of Rostock/D
17:35	**The response regulator MtrA of *C. glutamicum*: target genes, consensus binding site and influence of phosphorylation** M. Brocker, M. Bott, Research Centre Jülich GmbH/D	KEYNOTE LECTURE **Teaching enzymes to catalyze new reactions** R. Kazlauskas, University of Minnesota, St. Paul, MN/USA
18:00	**Phosphorylation of the 2-oxoglutarate dehydrogenase inhibitor protein OdhI in *Corynebacterium glutamicum* by multiple Ser/Thr protein kinases** C. Schultz, M. Bott, Research Centre Jülich GmbH/D	
18:30	**Room 2**	PLENARY LECTURE Therapeutic and research potential of human stem cells S. Minger, King's College London/UK
	Room 2	BIOTECHNICA GRADUATE AWARD R. Balling, President of VBIO
19:30	**Hall 9**	Poster party

	Room 15/16	Room 17
	Fermentation	**Natural Products**
Chair	E. Flaschel	R. Frank
16:20	KEYNOTE LECTURE **Biological production of sustainable transportation fuels from plants: progress, challenges and opportunities** C.E. Wyman, University of California, Riverside, CA/USA	**Fungal polyketide synthase – non-ribosomal peptide synthetases: programmed nanomachines** R. Cox, University of Bristol/UK
16:45		***S*-Adenosyl-*L*-methionine hydroxide: adenosyl transferase, the Duf-62 gene product has biochemical and chemical similarity to the fluorinase** D. O'Hagan, H. Deng, University of St. Andrews/UK
17:10	**Fine-tuning of protein expression – *Pichia pastoris* AOX1-promoter library** F.S. Hartner, C. Ruth, Graz University of Technology/A; R. Weis, T. Purkarthofer, VTU Technology GmbH, Graz/A; A. Glieder, Graz University of Technology/A	**Chemoenzymatic synthesis of marine oxylipins** J. Pietruszka, M. Bischop, T. Fischer, A.C.M. Rieche, D. Sandkuhl, Universität Düsseldorf im Forschungszentrum Jülich/D
17:35	**Expression profiling and rational optimization of a prokaryotic host-/vector-expression system** H. Schmidt, R. Schmuck, Roche Diagnostics GmbH, Penzberg/D; G. Unden, University of Mainz/D; H. Düfel, Roche Diagnostics GmbH, Penzberg/D	**Ansamitocin compound libraries by mutasynthesis** K. Harmrolfs, F. Taft, M. Brünjes, A. Meyer, T. Frenzel, A. Kirschning, University of Hannover/D
18:00	**Engineering of a glycerol utilization pathway for amino acid production by *Corynebacterium glutamicum*** D. Rittmann, Research Centre Jülich GmbH/D; S.N. Lindner, V.F. Wendisch, University of Münster/D	**Natural products as a source of ‚new' building blocks** M. Müller, University of Freiburg/D
18:30	**Room 2**	PLENARY LECTURE Therapeutic and research potential of human stem cells S. Minger, King's College London/UK
	Room 2	BIOTECHNICA GRADUATE AWARD R. Balling, President of VBIO
19:30	**Hall 9**	Poster party / General Assembly of DECHEMA Biotechnology

09:00 | **Room 2**

PLENARY LECTURE*

The human genome as an RNA machine
J. Mattick, The University of Queensland, Brisbane/AUS

Room 2

DECHEMA AWARDS CEREMONY
A. Oberholz, Chairman of DECHEMA

	Room 17	Room 18
	Bioinformatics / Metabolome Analysis	**Eukaryotic Genomics**
Chair	D. Schomburg	H. Blöcker
10:00	**Screening of transposon mutants of *Corynebacterium glutamicum* using a high-throughput method for microbial metabolome analysis** J. Spura, L. Reimer, T. Lühr, D. Schomburg, TU Braunschweig/D	**Next-gen sequencing technologies: drawbacks and opportunities** K. Stangier, GATC Biotech AG, Konstanz/D
10:25	**Targeted metabolomics – simultaneous and quantitative LC/MS/MS analysis of energy metabolism and prostaglandine intermediates and cholesterol derivatives in biological samples** T. Koal, D. Kirchberg, P. Enoh, I. Unterwurzacher, C. Röhring, H.-P. Deigner, S. Dammeier, M. Keller, K. Weinberger, BIOCRATES Life sciences AG, Innsbruck/A	**A new assay in functional genomics: monitoring of cell differentiation in live cell chips by electric cell-substrate impedance sensing** C. Maercker, Mannheim University of Applied Sciences/D; D. Breitkreutz, German Cancer Research Center (DKFZ), Heidelberg/D; A. Bieser, ibidi GmbH, Martinsried/D; K. Bieback, University of Heidelberg, Mannheim/D; M. Angstmann, Mannheim University of Applied Sciences/D
10:50	Coffee break	
11:15	**Identification of potential bacterial biological warfare agents with spectroscopic methods using multivariate statistics** S.R. Talbot, H. Russmann, Bundeswehr Institute for Protective Technologies and NBC Protection, Munster/D; T. Scheper, University of Hannover/D	**High-throughput screening of an shRNA library generated by enzymatic engineering of cDNA from human pancreatic tumour tissue** M. Thomas, A. Oehmig, F. Weise, H. Volkmer, Natural and Medical Sciences Institute at the University of Tübingen, Reutlingen/D
11:40	KEYNOTE LECTURE **Computational proteomics – making sense of gigabytes** O. Kohlbacher, University of Tübingen/D	**EURExpress, a web-based gene expression atlas of the developing mouse embryo** M. Sultan, Max Planck Institute for Molecular Genetics, Berlin/D
12:05		**Functional oncogenomics in mantle cell lymphoma: a model cell system for complex diseases** A. Pscherer, A. Farfsing, D. Magalei, S. Ohl, F. Engel, M. Schnoelzer, German Cancer Research Center (DKFZ), Heidelberg/D; C. Schwaenen, H. Döhner, S. Stilgenbauer, Medical School Ulm/D; P. Lichter, German Cancer Research Center (DKFZ), Heidelberg/D
12:30	**Hall 9** Lunch break	

* Plenary Lecture kindly supported by Qiagen

Room 2

PLENARY LECTURE*

The human genome as an RNA machine
J. Mattick, The University of Queensland, Brisbane/AUS

09:00

Room 2

DECHEMA AWARDS CEREMONY
A. Oberholz, Chairman of DECHEMA

	Room 13/14	Room 15/16
	Measuring & Control	**Downstream Processing**
Chair	T. Scheper	R. Ulber
10:00	**Mössbauer spectroscopy: a tool for characterization of iron depending enzymatic reactions** V. Schünemann, K. Muffler, R. Ulber, TU Kaiserslautern/D	**Virus retentive filtration of polyclonal immunoglobulins: dominant filtration mechanisms and strategies to prevent fouling** L. Villain, University of Hannover/D; I. Masselin, V. Thom, Sartorius-Stedim Biotech GmbH, Göttingen/D; T. Scheper, University of Hannover/D
10:25	**Ultrasonic based sensor array for the simultaneous analysis of sugar and ethanol for the bioethanol production** T. Becker, T. Schöck, University of Hohenheim, Stuttgart/D	**An automated pilot plant for the bioengineering processing of concentrated whey** N. Tippkötter, W. Roikaew, R. Ulber, University of Kaiserslautern/D
10:50	Coffee break	
11:15	**Parallel optical online measurement of DO and pH during cultivation in shake flasks** K. Schneider, V. Schütz, E. Heinzle, Saarland University, Saarbrücken/D; G.T. John, C. Krause, Presens GmbH, Regensburg/D	KEYNOTE LECTURE **Enzymatic production of peracetic acid** R. DiCosimo, Du Pont Company, Wilmington, DE/USA
11:40	**Automated high-throughput fermentation process optimization** A. Vester, TU München, Garching/D; M. Hans, H.-P. Hohmann, L. Tijhuis, DSM Nutritional Products AG, Kaiseraugst/CH; D. Weuster-Botz, TU München, Garching/D	
12:05	**Ratiometric optical sensing of temperature and oxygen based on luminescence quenching** A. Glindkamp, M. Fritzsche, University of Hannover/D; R. Baumfalk, Sartorius AG, Göttingen/D; S. Beutel, T. Scheper, University of Hannover/D	**Relevance of export for bacterial metabolite production** L. Eggeling, R. Diesveld, Research Centre Juelich/D
12:30	**Hall 9** Lunch break	

09:00	Room 2	**PLENARY LECTURE*** **The human genome as an RNA machine** J. Mattick, The University of Queensland, Brisbane/AUS
	Room 2	DECHEMA AWARDS CEREMONY A. Oberholz, Chairman of DECHEMA

	Room 3A	Room 3B
	ChemBioTec	**German Platform White Biotechnology**
Chair	F. Eiden	B. Garthoff
10:00	**Fungal secretomes – versatile toolbox for white biotechnology** H. Zorn, I. Schüttmann, H. Bouws, TU Dortmund/D	**White Biotechnology – at the eve of a revolution** A. Oberholz, Evonik Industries AG, Essen/D
10:25	**Enzyme-catalyzed synthesis of beta-peptides** T. Heck, H.P.E. Kohler, B. Geueke, Eawag, Dübendorf/CH	**White biotechnology – the BMBF perspective** P. Lange, BMBF, Berlin/D
10:50	Coffee break	
11:15	**Enantioselective biosynthesis of hydroxyketones catalyzed by novel glycerol dehydrogenases** T. Eggert, N. Richter, evocatal GmbH, Düsseldorf/D; W. Hummel, University of Düsseldorf; A. Liese, M. Neumann, Hamburg University of Technology (TUHH); R. Wohlgemuth, Sigma-Aldrich Chemie GmbH, Buchs/CH	**White Biotechnology in the 21st century** C. Wandrey, Research Centre Jülich GmbH/D
11:40	**Laccases for the synthesis of fine chemicals** U. Bornscheuer, M. Schmidt, L. Hilterhaus, S. Herter, A. Mikolasch, F. Schauer, Greifswald University/D; K. Liebeton, J. Eck, BRAIN AG, Zwingenberg/D; R. Wohlgemuth, Sigma Aldrich Chemie GmbH, Buchs/CH; S. Illner, D. Hameister, U. Kragl, Rostock University/D	**Contribution of SME to the white biotech industrial transformation process** H. Zinke, BRAIN AG, Zwingenberg/D
12:05	**Sustainable and efficient sythesis of rare pharmaceutical sugars based on biocatalysis with engineered enzymes and reaction engineering** S. Dorscheid, B. Stosik, M. Pitz, K. Schneider, G. Kohring, E. Heinzle, F. Giffhorn, Saarland University, Saarbrücken/D	**White Biotechnology at the capital market** M.J. Schnee, Schnee Research, Maintal/D; T. Heine, DIB, Frankfurt am Main/D
12:30	Hall 9	Lunch break

* Plenary Lecture kindly supported by Qiagen

Room 2	**PLENARY LECTURE*** **The human genome as an RNA machine** J. Mattick, The University of Queensland, Brisbane/AUS	09:00
Room 2	DECHEMA AWARDS CEREMONY A. Oberholz, Chairman of DECHEMA	

	Room Frankfurt	
	VBU BioBusiness Forum** Europe's Biotech Markets: Facts & Figures	
Chair	U. Behrendt	Chair
10:00	**Biotechnology in the Czech Republic** M. Partl, CzechInvest - Investment and Business Development Agency, Prague/CZ	10:00
10:25	**Biotechnology in Hungary** G. Lustyik, Soft Flow Hungary Ltd, Hungarian Biotechnology Association, Pécs/HU	10:25
10:50	Coffee break	10:50
11:15	**Biotechnology in the Baltic States** P. Grigorjev, Estonian Biotechnology Association, Tallin/EST	11:15
11:40	**Biotechnology in Poland** T. Twardowski, Polish Federation of Biotechnology, Poznań/PL	11:40
12:05	**Biotechnology in Russia** V. Eryomin, Bakh Institute of Biochemistry of the RAS, Moscow/RUS (to be confirmed)	12:05
Hall 9	Lunch break	12:30

** attendance of VBU BioBusiness Forum is free of charge / organized by VBU - Association of German Biotechnology Companies

14:00 | **Room 2**

PLENARY LECTURE

Synthetic biology in mammalian cells – novel perspectives for drug discovery and bioengineering
W. Weber, ETH Zurich/CH

	Room 17	Room 18
	Bioinformatics / Metabolome Analysis	**Proteomics**
Chair	O. Kohlbacher	F. Lottspeich
14:55	**RNA: design, structure and why we do not like computer scientists** A. Torda, University of Hamburg/D	KEYNOTE LECTURE **A molecular interaction network characterising composition and protein complex function in cell division pathways** M.-L. Fogeron, H. Müller, K. Habermann, V. Lehmann, T. Kurtz, A.-K. Scholz, A. Haupt, H. Lehrach, Max Planck Institute for Molecular Genetics, Berlin/D; S. Steinbrink, German Cancer Research Center (DKFZ), Heidelberg/D; J. Gobom, Max Planck Institute for Molecular Genetics, Berlin/D; M. Boutros, German Cancer Research Center (DKFZ), Heidelberg/D; B.M.H. Lange, Max Planck Institute for Molecular Genetics, Berlin/D
15:20	**Index-driven structure-based virtual screening** M. Rarey, J. Schlosser, University of Hamburg/D	
15:45	**Petri nets analysis techniques for modeling metabolic networks** I. Koch, Technical University of Applied Sciences, Berlin/D	**How to find significantly regulated proteins in isotope-labeling based proteomics** A. Brunner, Max Planck Institute of Biochemistry, Martinsried/D
16:10	Coffee break	
16:40	KEYNOTE LECTURE **Molecular mechanisms of ageing – an in silico approach** C.J. Proctor, R.J. Boys, C.S. Gillespie, C. Lawless, D.P. Shanley, D.J. Wilkinson, T.B.L. Kirkwood, University of Newcastle/UK*	**Tissue-based proteome analysis: the first stage in the biomarker discovery pipeline** G. Poschmann, B. Sitek, University of Bochum/D; B. Sipos, G. Klöppel, University of Kiel/D; F. Ramaekers, University of Maastricht/NL; H.E. Meyer, K. Stühler, University of Bochum/D
17:05		**Characterisation of the autoimmune antibody repertoire of Parkinson's disease patients by systematic screening of protein arrays** H. Göhler, A. Kowald, University of Bochum/D; A. Lueking, C. Scheer, University of Würzburg/D; M. Gerlach, K. Marcus, D. Woitalla, H.E. Meyer, University of Bochum/D
18:30	**Munich Hall**	**BIOTECHNICA Night**

* Keynote lecture kindly supported by GBM

Room 2 | **14:00**

PLENARY LECTURE

Synthetic biology in mammalian cells – novel perspectives for drug discovery and bioengineering
W. Weber, ETH Zurich/CH

	Room 13/14	Room 15/16
	Measuring & Control	**Downstream Processing**
Chair	E. Heinzle	C. Wandrey
14:55	**Applications of mathematical modeling in monitoring and control of bioreaction processes** R. Luttmann, E. Hukelmann, K. Lögering, M. Poppe, J. Flothmann, J. Fricke, J. Hülsmann, Hamburg University of Applied Sciences/D	**Development of an integrated process for the production and isolation of invertase from *Saccharomyces cerevisiae*** C. Nowacki, E.M. del Amor Villa, R. Wichmann, TU Dortmund/D
15:20	**Sensor networks** C. Buckl, A. Knoll, TU München, Garching/D	**Integrated bioprocess for the production of the natural antimicrobial monoterpene R-(+)-perillic acid with *P. putida*** M. Mirata, J. Schrader, DECHEMA e.V., Frankfurt/D
15:45	**Inline monitoring of crystallization processes with in-situ microscopy** A. Bluma, T. Höpfner, P. Lindner, G. Rudolph, S. Beutel, B. Hitzmann, University of Hannover/D; G. Martinez, Universidad de Costa Rica, San Jose/CR; T. Scheper, University of Hannover/D	**Correlation of the micromechanical properties of *S. cerevisiae* with the cell disintegration behavior** J. Arfsten, I. Kampen, A. Kwade, TU Braunschweig/D
16:10	Coffee break	
16:40	**Modelling and control of cell culture: from a black-box to systems biology** A.-P. Zeng, Hamburg University of Technology (TUHH)/D	**Purification and characterization of a carboxyl esterase from *Thermobifida fusca* KW3 degrading poly(ethylene terephthalate) trimers** S. Billig, W. Zimmermann, University of Leipzig/D
17:05	**BaychroMAT bioplatform as a tool for quality by design** M. Gerlach, S. Steigmiller, H. Tups, Bayer Technology Services GmbH, Leverkusen/D	**Adsorption and separation of proteins with smectitic clay minerals** K. Ralla, D. Riechers, University of Hannover/D; U. Sohling, Süd-Chemie AG, Moosburg/D; C. Kasper, T. Scheper, University of Hannover/D
18:30	**Munich Hall**	**BIOTECHNICA Night**

PROGRAM AFTERNOON – WEDNESDAY, OCTOBER 8

14:00 | **Room 2**

PLENARY LECTURE

Synthetic biology in mammalian cells – novel perspectives for drug discovery and bioengineering
W. Weber, ETH Zurich/CH

	Room 3A	Room 3B
	ChemBioTec	**German Platform White Biotechnology**
Chair	U. Bornscheuer	D. Sell
14:55	**Biocatalytic functionalisation of alkyl substituted polysiloxanes** P. Fröhlich, University of Freiberg/D; J. Stohrer, E. Fritz-Langhals, Wacker Chemie AG, Munich/D; P. Dünkelmann, Codexis AG, Jülich/D; M. Bertau, University of Freiberg/D	**Highlights from the BioIndustry 2021-Clusters** R. Grote, Biokatalyse 2021 R. Kindervater, Biopolymers, Biomaterials M. Kircher, CLIB 2021 D. Terzenbach, Integrated Bioindustry H. Zorbas, Cluster IBP
15:20	**Using systems biotechnology and eco-efficiency analyses to enable sustainable redox biocatalysis** B. Bühler, D. Kuhn, TU Dortmund/D; A. Kholiq, E. Heinzle, Saarland University, Saarbrücken/D; L.M. Blank, A. Schmid, TU Dortmund and ISAS-Institute for Analytical Sciences, Dortmund/D	
15:45	**Ionic liquids in biocatalysis: technical applications and general perspective** L. Greiner, C. Kohlmann, P. Müller, M. Eckstein, RWTH Aachen University/D; S. Na'amnieh, X-Zyme GmbH, Düsseldorf/D; S. Lütz, Research Centre Jülich GmbH/D	**White Biotech: from biomass to product** V. Sieber, A. Koltermann, Süd-Chemie AG, Munich/D
16:10	Coffee break	
16:40	**Modeling and simulation of downstream processes** P. Balling, M. Günther, INOSIM GmbH, Ammersbek/D; T. Hellenkamp, G. Schembecker, TU Dortmund/D; T. Schwarz, bitop AG, Witten/D	**New enzymes and processes for biobased products via the integration of biotechnological and chemical methods (BioSysPro)** T. Hirth, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D; C. Sydatk, University of Karlsruhe/D; D. Prüfer, University of Münster/D; B. Gilleßen, RWTH Aachen University/D; C. Schulze Gronover, Fraunhofer Institute for Molecular Biology and Applied Ecology, Aachen/DUniversity/D
17:05	**Enzyme catalysed reactions using gaseous substrates** A.C. Spieß, K. Dimoula, K. Nagayama, R. Mikolajek, RWTH Aachen University/D	
18:30	**Munich Hall**	**BIOTECHNICA Night**

14:00 | **Room 2**

PLENARY LECTURE

Synthetic biology in mammalian cells – novel perspectives for drug discovery and bioengineering
W. Weber, ETH Zurich/CH

	Room Frankfurt	Room 11
	VBU BioBusiness Forum* Europe's Biotech Markets: Facts & Figures	**REBIRTH****
Chair	C. Lang	A. Haverich / U. Martin
14:55	**Biotechnology in Ireland** J. Ryan, CIRCA Group Europe Limited, Dublin/IRL	**Exzellence Cluster REBIRTH – „From Regenerative Biology to Reconstructive Therapy" and Stem cell research: induced pluripotent stem cells (iPS cells)** U. Martin, Hannover Medical School (MHH)/D
15:20	**Biotechnology in Italy** L. Vingiani, Assobiotec, Milano/I	**Regenerative Medicine Initiative Germany (RMIG) and Berlin-Brandenburg Center for Regenerative Therapies (BCRT)** J. Borstlap, Berlin-Brandenburg Center for Regenerative Therapies, Berlin/D
15:45	**Biotechnology in UK** W. Skibar, Bioscience for Business, Chester/UK	**Translational Centre for Regenerative Medicine (TRM Leipzig) and preclinical models for cell therapies** J.M. Braun, University of Leipzig/D
	Coffee break	
16:40	**Biotechnology in Spain** B. Gilarranz, Genoma España, Madrid/ES	**Degradation behavior of hydrolyzable biomaterials** K. Kratz, A. Lendlein, GKSS Research Centre, Geesthacht/D
16:55		**Large Scale Cultivation** C. Kasper, T. Scheper, University of Hannover/D
17:10		**A novel immunodeficiency syndrome with defects in hematopoietic stem cell differentiation** K. Boztug, A. Ashikov, G. Appaswamy, A.A. Schäffer, U. Salzer, J. Diestelhorst, M. Germeshausen, G. Brandes, J. Lee-Gossler, K. Welte, H. Bakker, R. Gerardy-Schahn, C. Klein; Hannover Medical School/D
17:15	**General Assembly of the German Association of Biotechnology Companies (VBU)**	
Munich Hall	**BIOTECHNICA Night**	**18:30**

* attendance to VBU BioBusiness Forum is free of charge / organized by VBU – Association of German Biotechnology Companies

** organized by Hannover Medical School (MHH)

09:00 | **Room 2**

PLENARY LECTURE

Quantitative proteomics and systems biology

R. Aebersold, ETH Zurich and University of Zurich/CH and Institute for Systems Biology, Seattle, WA/USA

	Room 3A	Room 13/14
	Protein Engineering	**Systems Biology**
Chair	A. Pingoud	B. Junker
9:55	KEYNOTE LECTURE **Development of site-specific recombinases for genome surgery** F. Buchholz, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden/D	**A systems biotechnological approach to optimized recombinant protein production using *Bacillus megaterium*** T. Fürch, W. Wang, C. Wittmann, E. Franco-Lara, D. Jahn, D.C. Hempel, TU Braunschweig/D
10:20		**Modeling bacterial carbohydrate uptake – from the sensory system to the global transcriptional network** A. Kremling, K. Bettenbrock, S. Kremling, E.D. Gilles, Max Planck Institute Magdeburg/D
10:45	Coffee break	
11:15	**Extending the plasma half-life of biopharmaceutical proteins via genetic fusion with homo-amino-acid polymer (HAP) sequences** M. Schlapschy, I. Theobald, K. Wachinger, A. Skerra, TU München, Freising/D	**Integrative modeling of the TCA-cycle of *C. glutamicum* based on multi-omics data** S. Noack, M. Oldiges, Research Centre Jülich GmbH/D; W. Wiechert, University of Siegen/D
11:40	**Dissection and the involvement of the P450 (CYP) monooxygenase system in the 1,5-anhydro-D-fructose pathway in *Sinorhizobium meliloti*** B. Stosik, F. Giffhorn, Saarland University, Saabrücken/D	**Identification of regulatory interactions in microorganisms from metabolite dynamics** P. Götz, University of Stuttgart/D; J. Maczek, S. Junne, TU Berlin/D
12:05	**Structural modification of pyranose 2-oxidase towards higher solubility and catalytic performance** S. Dorscheid, M. Pitz, F. Giffhorn, Saarland University, Saarbrücken/D	**Population structure of *Pseudomonas aeruginosa*** L. Wiehlmann, N. Cramer, Hannover Medical School/D; G. Wagner, Clondiag Chip Technologies, Jena/D; T. Köhler, Geneva University Hospital/CH; G. Morales, Centro Nacional de Biotecnologia, Madrid/E; B. Tümmler, Hannover Medical School/D
12:30	**Hall 9** Lunch break	

Room 2 | **09:00**

PLENARY LECTURE

Quantitative proteomics and systems biology

R. Aebersold, ETH Zurich and University of Zurich/CH and Institute for Systems Biology, Seattle, WA/USA

	Room 17	Room 15/16
	Cell Culture Technology / Medical Applications	**Renewables**
Chair	R. Pörtner	R. Ulber
9:55	KEYNOTE LECTURE **Production and expansion of human embryonic stem cells for clinical and industrial applications** M. Amit, J. Itskovitz-Eldor, Technion – Israel Institute of Technology, Haifa/IL	**New approaches for the economical production of microbial rhamnolipids** R. Hausmann, F. Leitermann, V. Walter, C. Syldatk, University of Karlsruhe/D
10:20		**System approach to 2nd generation biofuels** M. Rarbach, A. Koltermann, Süd-Chemie AG, Munich/D
10:45	Coffee break	
11:15	**Application of embryonic stem cells for the industrial manufacture of biologicals** M. Mehtali, Vivalis SA, Saint-Herblain/F	KEYNOTE LECTURE **Micro-algae as a platform for the production of therapeutic proteins and biofuels** S.P. Mayfield, The Scripps Research Institute, La Jolla, CA/USA
11:40	KEYNOTE LECTURE **25 years of cell culture based manufacturing for a multi-billion $ market with recombinant biopharmaceuticals - from gene to process** F.M. Wurm, Swiss Federal Institute of Technology, Lausanne/CH and ExcellGene SA, Monthey/CH	
12:05		**Plantdustrial – linking plant and industrial biotechnology** A. Müller, G. Jach, P. Welters, Phytowelt GreenTechnologies GmbH, Nettetal/D
12:30	**Hall 9** Lunch break	

09:00 | **Room 2**

PLENARY LECTURE

Quantitative proteomics and systems biology
R. Aebersold, ETH Zurich and University of Zurich/CH and Institute for Systems Biology, Seattle, WA/USA

Room 18

DBU Fellowship Session

Chair A. Liese

9:55 **Convenient access to enantiomerically pure vinyllactones via biocatalytic reduction of prochiral ketones**
T. Fischer, J. Pietruszka, Universität Düsseldorf im Forschungszentrum Jülich/D

10:20 **Discovery of novel Baeyer-Villiger monooxygenases and their application in organic syntheses**
J. Rehdorf, A. Kirschner, U.T. Bornscheuer, University of Greifswald/D

10:45 Coffee break

11:15 **Towards the fermentative production of fine chemicals: utilization of crude glycerol from biodiesel production by recombinant *Escherichia coli* strains**
K. Ullrich, C. Albermann, G.A. Sprenger, University of Stuttgart/D

11:40 **Solvent tolerant *Pseudomonas:* pushing the cellular toxicity limits for the production of a 2nd generation biofuel**
J. Rühl, TU Dortmund/D; L.M. Blank, A. Schmid, TU Dortmund and ISAS – Institute of Analytical Sciences, Dortmund/D

12:05 **Bromelain: mode of action studies of a complex mixture enabled via heterologous expression of proteins from ananas comosus**
N. Luniak, J. Herrmann, Saarland University, Saarbrücken/D; K. Eschmann, Ursapharm Arzneimittel GmbH & Co. KG, Saarbrücken/D; R. Müller, Saarland University, Saarbrücken/D

12:30 **Hall 9** Lunch break

Room 2 | **14:00**

PLENARY LECTURE

Ribosome engineering and new genetic codes
J.W. Chin, MRC Laboratory of Molecular Biology, Cambridge/UK

Room 3A

Protein Engineering

Chair A. Skerra

KEYNOTE LECTURE

Teaching old enzymes new tricks
D. Hilvert, ETH Zurich/CH

Modified galactitol-dehydrogenase from *Rhodobacter sphaeroides* for redox activity with electrochemical co-factor regeneration
P. Kornberger, S. Gauer, J. Gajdzik, R. Hempelmann, F. Giffhorn, G.-W. Kohring, Saarland University, Saarbruecken/D

Folding and stability of artificial proteins
R. Dallüge, S. Trabitz, R. Töpfer, R. Rudolph, C. Lücke, C. Lange, University of Halle-Wittenberg/D

Engineering of cytochrome P450 monooxygenases for selective oxidation of terpenes
V. Urlacher, M. Girhard, University of Stuttgart/D

Room 13/14

Synthetic Biology

Chair W. Weber

14:55 **Synthetic positive feedback loops for controlled cell expansion**
T. May, S. Bantner, S. Herrmann, R. Schucht, D. Wirth, Helmholtz Centre for Infection Research, Braunschweig/D

15:20 **The biotechnological potentials of alloproteins**
B. Wiltschi, N. Budisa, Max Planck Institute of Biochemistry, Martinsried/D

15:45 **A tunable synthetic mammalian oscillator**
M. Tigges, T. Marquez-Lago, J. Stelling, M. Fussenegger, ETH Zurich/CH

Coffee break **16:10**

16:30 **CoryneRegNet: a data warehouse for corynebacterial gene regulatory network reconstruction and analysis**
A. Tauch, Bielefeld University/D

16:55

End of conference **17:20**

14:00 — **Room 2**

PLENARY LECTURE

Ribosome engineering and new genetic codes

J.W. Chin, MRC Laboratory of Molecular Biology, Cambridge/UK

	Room 17	Room 15/16
	Cell Culture Technology / Medical Applications	**Renewables**
Chair	H. Hauser	C. Syldatk
14:55	**Influenza and modified vaccinia Ankara (MVA) production in avian designer cells** A. Rath, V. Lohr, Y. Genzel, J. Schwarzer, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D; V. Sandig, I. Jordan, Probiogen AG, Berlin/D; U. Reichl, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D	**Effects of light/dark cycles, spectral quality and medium components on *Oldenlandia affinis* suspension cultures** V. Lürbke, H. Dörnenburg, University of Erlangen-Nuremberg/D
15:20	**Drug testing *in vitro* – 3D tissue cultures provide alternatives for pharmaceutical research and testing of chemicals** R. Pörtner, C. Goepfert, Hamburg University of Technology (TUHH); U. Marx, ProBioGen AG, Berlin/D; W. Höppner, BioGlobe GmbH, Hamburg/D; H. Hoffmeister, Zellwerk GmbH, Eichstätt/D	**Combination of biological processes and fuel cells a new way to solar energy** D. Ihrig, University of Applied Sciences, Iserlohn/D; H.M. Heise, ISAS-Institute for Analytical Sciences, Dortmund/D; M. Poschmann, K. Stadtlander, University of Applied Sciences, Iserlohn/D
15:45	**Optimization of protein production in mammalian cell lines** K. Nehlsen, L. Norton, P. Riemer, U. Sandhu, R. Schucht, H. Hauser, D. Wirth, Helmholtz Centre for Infection Research, Braunschweig/D	**Are new dimensions achievable in microalgae production for bioenergy?** O. Pulz, IKV - Institut für Getreideverarbeitung GmbH, Nuthetal/D
16:10	Coffee break	
16:30	**Disease-specific pluripotent stem cells for studies of metabolic diseases** T. Cantz, Hannover Medical School and Max Planck Institute for Molecular Biomedicine, Münster/D	**Plant cell culture technology: a biological approach for cyclotides production** H. Dörnenburg, University of Erlangen-Nuremberg/D
16:55	**3-D cell culture meets automation: from freezer to assay in one step** C. Cavelier, Hamilton Bonaduz AG, Bonaduz/CH; B. Justice, Global Cell Solutions Inc., Charlottesville, VA/USA; R.A. Felder, University of Virginia, Charlottesville, VA/USA	**Alkaloids biosynthesis in Amaryllidaceae plant in vitro systems** V. Georgiev, I. Ivanov, M. Georgiev, M. Ilieva, Bulgarian Academy of Sciences, Plovdiv/BG; S. Berkov, University of Barcelona/E; A. Pavlov, Bulgarian Academy of Sciences, Plovdiv/BG
17:20	End of conference	

Room 2 — **14:00**

PLENARY LECTURE

Ribosome engineering and new genetic codes

J.W. Chin, MRC Laboratory of Molecular Biology, Cambridge/UK

	Room 18
	ChemBioTech
Chair	A. Schmid
14:55	**Enzyme catalysis in two phase systems** U. Kragl, S. Dreyer, J. Duwensee, University of Rostock/D
15:20	**Production of chiral building blocks by whole-cell biocatalysis in ionic liquid/water two phase systems with integrated ionic liquid recycling** S. Bräutigam, TU München, Garching/D; W.-R. Pitner, Merck KGaA, Darmstadt/D; J. Lutje Spelberg, M. Schürmann, Juelich Chiral Solutions GmbH/D; D. Weuster-Botz, TU München, Garching/D
15:45	**Increase of enantioselectivity in asymmetric C-C bond formations by change of pressure and pH** M. Berheide, Hamburg University of Technology (TUHH); S. Peper, B. Niemeyer, Helmut-Schmidt-University, Hamburg/D; M. Pohl, University of Düsseldorf/D; A. Liese, Hamburg University of Technology (TUHH)
16:10	Coffee break
16:30	**Cytochrome P450-dependent biotransformations using recombinant fission yeast *Schizosaccharomyces pombe*** C.A. Dragan, PomBioTech GmbH, Saarbrücken/D; F.T. Peters, Saarland University, Homburg/D; R. Bernhardt, Saarland University, Saarbrücken/D; H.H. Maurer, Saarland University, Homburg/D; M. Bureik, PomBioTech GmbH, Saarbrücken/D
16:55	**Liquid-liquid conversion of emulsified di-rhamnolipid by free and immobilized naringinase from *Penicillium decumbens*** I. Magario, A. Neumann, R. Hausmann, University of Karlsruhe/D; O. Vielhauer, University of Stuttgart/D; C. Syldatk, University of Karlsruhe/D
17:20	End of conference

ORGANIZER OF EUROPEAN BIOPERSPECTIVES 2008

DECHEMA – Gesellschaft für Chemische Technik und Biotechnologie e. V.

DECHEMA (Society for Chemical Engineering and Biotechnology) is a non-profit making scientific and technical society based in Frankfurt on Main. It was founded in 1926. Nowadays it has over 5,600 private and institutional members. Our aim is to promote research and technical advances in the areas of chemical engineering, biotechnology and environmental protection. Our work is interdisciplinary, with scientists, engineers, and technologists working together under one roof. Experts from science, business, and government departments cooperate in working parties and subject divisions. DECHEMA biotechnology comprises 1,700 members and more than 200 biotech companies in the VBU Association of German Biotechnology Companies, DECHEMA is by far the largest German platform for biotechnology. For further information see **www.dechema.de.**

CO-ORGANIZERS OF EUROPEAN BIOPERSPECTIVES 2008

AGD – Arbeitsgemeinschaft für Gen-Diagnostik e.V.

The Association for Gene Diagnostics (AGD) was founded in Düsseldorf in 1984 by a group of German molecular research and diagnostic pioneers. Currently the organization has 120 members. The AGD fosters and communicates scientific findings in genome research. This is done primarily by (i) exchange of thoughts and technology and (ii) encouragement of students and young scientists. At their annual meetings the AGD is focusing on research results, ethical, legal and social issues arising from the application of molecular biological methods and its implications to individuals and society. For further information see **www.agdev.de.**

BIO Deutschland – Biotechnologie-Industrie-Organisation Deutschland e. V.

The Biotechnologie-Industrie-Organisation Deutschland (BIO Deutschland) with office in Berlin is the independent organization for German biotechnology companies. The association is developing and supporting an innovative industry in Germany on the basis of modern life sciences. Founded in October 2004, BIO Deutschland currently has 200 member companies. To support its members BIO Deutschland is active on a wide range of measures like lobbying, public relations, or offering business development opportunities.
BIO Deutschland is governed by a Board of Directors made up of 10 CEOs, CFOs and Managing Directors of companies that represent widely the German biotech sector. For further information see **www.biodeutschland.org.**

ORGANIZATIONS

ChemBioNet

ChemBioNet is a national resource network to support chemical biology in academia: www.chembionet.de. The ChemBioNet was initiated by chemists and biologists from academia who realized the need for an interdisciplinary platform to enhance research projects exploiting the systematic usage of small molecules to study biological systems. ChemBioNet established and maintains an appropriate infrastructure necessary to perform HTS/HCS screening projects. Three partner institutes (HZI, MDC and FMP) co-financed a shared central compound collection, located at the FMP. This repository is continuously complemented by compound collections donated from chemists of the network. Screening of compounds will be carried out on individual conditions defined by the donors and on the basis of academic collaboration agreements.
ChemBioNet provides an online data base for all generated screening results with a regulated access assuring both IP rights and maximum free academic use. The mission of the ChemBioNet is to assure that every chemist should be able to know about the biological activity profile of his compounds and every biologist should be able to get a small molecule tool to manipulate biological systems in a dosage, time and spatial dependent manner. For further information see **www.chembionet.de.**

DBU – Deutsche Bundesstiftung Umwelt

The Deutsche Bundesstiftung Umwelt (DBU) is one of Europe‘s biggest private foundations. It promotes innovative projects from the areas environmental technology, applied environmental research and nature conservation as well as environmental communication. Since 1991, the DBU has spent approximately € 1.2 billion for more than 6,400 projects.
The DBU considers industrial biotechnology as a key technology for sustainable economizing and thus is one main focus of its supporting activities. Sustainable productive (bio)catalysis and integrated bioprocess development in the chemical industry therefore are declared goals of the InnovationsCentrum Biokatalyse ICBio (www.icbio.de) as well as of ChemBioTec (www.chembiotec.de), two DBU project initiatives. Biocatalysts are developed which exactly meet the requests of ecoefficient processes, are offered in a standardized and high-quality form and optimized in the practical use. Particular attention is drawn to the downstream processing. The processes to be developed are characterized through increased productivity and saving of resources and energy as well as considerable environmental relief. Further information: **www.dbu.de**

DGF – Deutsche Gesellschaft für Fettwissenschaft

The German Society for Fat Research (DGF) offers since its foundation in 1936 services to researchers and companies in the area of fats and oils. The society with 250 individual and 90 industrial members is subdivided into nine divisions. The DGF is also a founding member of the European Federation for the Science and Technology of Lipids (Euro Fed Lipid). Further information: **www.dgfett.de**

DGPF – Deutsche Gesellschaft für Proteomforschung e.V.

The German Proteomics Society (Deutsche Gesellschaft für Proteomforschung e.V., DGPF) promotes and communicates scientific knowledge in the field of Proteomics. Academic institutions, commercial companies, national and international organizations engaged in proteome research build the basis of the network of the Society which was founded 2001 in Munich. Coordination of national proteome research projects is an essential task of the DGPF. Its membership comprises actually about 330 members, including 15 companies. For further information see **www.dgpf.org.**

DIB – Deutsche Industrievereinigung Biotechnologie

The German Association of Biotechnology Industries (DIB) is the biotechnology arm of the Association of the German Chemical Industry Association (VCI), the VCI sector groups and the VCI sector associations. DIB is the German member of the European biotechnology association EuropaBio. DIB represents the political-economic interests of companies using biotechnological methods. Goals of DIB are sustainable growth and the international competitiveness of biotechnology in Germany. Eligible for membership in DIB are member companies of VCI and the VCI sector associations which are engaged in research, development and production or render services using biotechnological methods. DIB represents 12 further associations and their member companies and works on behalf of and in close cooperation with these associations. Thus DIB represents the political-economic interests of ca. 1,300 companies in the field of biotechnology. The membership list is available on the Internet. **(www.www.dib.org).**

DPWB – Deutsche Plattform Weiße Biotechnologie

Aiming to promote the development of the industrial biotechnology in Germany, seven institutions formed the German Platform White Biotechnology. These institutions are: BIO Deutschland e.V., Deutsche Bundesstiftung Umwelt (DBU), Deutsche Industrievereinigung Biotechnologie (DIB), Fachagentur Nachwachsende Rohstoffe (FNR), Gesellschaft für Chemische Technik und Biotechnologie e.V. (DECHEMA), Projektträger Jülich (PtJ), Industriegewerkschaft Bergbau, Chemie, Energie (IGBCE). The five BioIndustry 2021-Clusters also joined the platform.
The platform organizes conferences, publishes information materials and supports the development and the industrial application of biotechnological processes in Germany. For further information see **www.weisse-biotechnologie.de.**

EAPB – Europäische Arbeitsgemeinschaft für Pharma Biotechnologie e. V.

The EAPB (European Association of Pharma Biotechnology) was founded in Berlin in 2000 as a non-profit association and the representative and central network to promote and develop Pharma Biotechnology in Europe, linking academia, industries and regulatory bodies. It is dedicated to the advancement of biotechnology in pharmaceutical sciences, specifically as applied to industrial materials, processes, products and their associated problems. Its members constitute scientists employed in industry, government and university laboratories, biotech companies and scientific organizations. For further information see **www.eapb.org.**

ORGANIZATIONS

GBM – Gesellschaft für Biochemie und Molekularbiologie e.V.

The (German) Society for Biochemistry and Molecular Biology is the association of about 5,500 scientists working in the field of Molecular Life Sciences. Most members are German scientists from universities, industry and other research institutions, covering the entire spectrum of basic and applied Molecular Life Sciences. As the German constituent society of the Federation of the European Biochemical Societies (FEBS) and the International Union of Biochemistry and Molecular Biology (IUBMB) it is an active member of the worldwide scientific community and open for colleagues from other countries. The GBM supports the exchange of scientific information by two major international meetings, the annual spring conference „Mosbacher Colloquium“ and the biannual fall meeting “Molecular Life Science”. Numerous conferences organized by the 16 study groups of the GBM focus on specific subjects in the respective field. The GBM publishes together with four sister societies the bimonthly periodical “BIOspektrum” and is associated with the scientific magazine “Biological Chemistry”. By training school teachers and educating pupils with special conferences the GBM carries the understanding of Molecular Life Sciences to the next generation. For further information see **www.gbm-online.de.**

GDCh – Gesellschaft Deutscher Chemiker e.V.

The Gesellschaft Deutscher Chemiker (GDCh) is the largest chemical society in continental Europe with members from academia, industry and other areas. The GDCh supports chemistry in teaching, research and application and promotes the understanding of chemistry in the public. The society, a registered charity, was founded in 1949 but builds on a long tradition that began in 1867 when its first predecessor organization, the Deutsche Chemische Gesellschaft, was founded in Berlin.
1981 the division Biochemistry was founded – now one of 25 divisions within the GDCh. For the exchange of scientific and research experiences the biochemistry division organizes meetings and congresses, e.g. in September 2009 the “3rd European Conference on Chemistry for Life Sciences: Linking Chemistry with Biological Activity” in Frankfurt. With the international symposium “Frontiers in Medicinal Chemistry” another important division of the GDCh – Medicinal Chemistry – addresses a broad range of modern research topics in drug development. The journals ChemBioChem and ChemMedChem are published by GDCh and other European chemical societies. Last but not least: the largest division of the GDCh is the Society of Food Chemistry, with members in governmental services, food industry, independent private laboratories and university institutes. Further information: **www.gdch.de.**

ORGANIZATIONS

GRM – Gesellschaft für Regenerative Medizin e. V.
It is the objective of the German Society for Regenerative Medicine (GRM) to establish the dialogue between researchers and scientists, politicians and the media on this promising field in medicine, to offer a neutral platform for discussion, and to further public understanding of this still controversial topic.
Founded at the end of 2002, its membership has risen steadily over the years. This development is also reflected in its scientific advisory board which includes a considerable number of those researchers and clinicians who contribute significantly to the advancement of regenerative medicine and related fields in Germany.
The GRM has addressed itself to the task of providing a framework in which the societal stakeholder groups and decision makers can exchange their opinions, experiences and ideas on the various aspects of regenerative medicine and its future prospects.
Events organized by the GRM include dinner debates with German politicians, workshops for representatives from national small and medium-sized enterprises in the field of regenerative medicine and related products, press conferences for members of the German trade and lay press and its annual Fall Forum.
Further information: **www.gesellschaft-regenerative-medizin.de**

GTS – Gesellschaft für ökologische Technologie und Systemanalyse e. V.
Society for ecological technology and systems analysis GTS e. V. is a non governmental research organization dealing with basic and applied research in the field of ecological oriented technologies by which technical production processes can be fitted into natural systems for a more sustainable development. Main basic research tasks are definition and proof of ecological principles for technologies, and evaluation methods under sustainability and climate impact aspects. Applied research in the field of biotechnology deals with renewable substrates, such as bio-refinery processes and biogenic waste management, and material flux management of biogenic resources on company, regional and global level. In the field of education transfer of knowledge and of technologies into lower developed regions are practiced. Special focus is on activities for cleaner production and reduced climate impacts by integration of biotechnologies into production processes.
For further information see **www.gts-oekotech.de.**

The National Genome Research Network (NGFN – Nationales Genomforschungsnetz)
has been the largest program for disease-oriented genome research in Germany during the past years. Focus is on the function of genes and proteins in the development of hitherto incurable diseases which are prevalent and impose a considerable burden on both health policy and economics. The general aim is to promote the development of innovative methods for prevention, diagnosis, and therapy. From summer 2008, the NGFN is organized in two branches within the Program for Medical Genome Research, funded by the German Federal Ministry of Education and Research (BMBF): In “NGFNplus”, 26 Integrated Genome Research Networks work to elucidate the molecular basis and to combat common diseases, including cancer, cardiovascular diseases, diseases of the nervous system, infection, and inflammation. In “NGFNtransfer”, eight application-oriented Innovation Alliances transfer results from medical genome research with high and direct potential for added value into patient care as well as medical and industrial exploitation. In NGFNplus / NGFNtransfer, researchers cooperate in more than 300 projects at 60 locations throughout Germany within interdisciplinary research consortia that connect the research capacities, highest scientific levels, and latest technologies available in large research institutes, universities, clinics, and small and medium-sized enterprises. **www.ngfn.de**

ÖGBT – Austrian Society for Biotechnology
The Austrian Society for Biotechnology was founded on the initiative of the Austrian Federal Ministry of Science and Research and acts as a forum to promote and coordinate Austrian academic and industrial biotech activities, international collaboration with particular emphasis on Europe and to stimulate the dialogue between academia, industry and authorities. For further information see **www.oegbt.org.**

SKB (SCCB) – Schweizerischer Koordinationsausschuss für Biotechnologie (Swiss Coordination Committee for Biotechnology)
The Swiss Coordination Committee for Biotechnology is a member organization of the Swiss Academy of Engineering Sciences (SATW) and of the European Federation of Biotechnology (EFB). We represent various biotechnology organizations in Switzerland and coordinate biotechnology activities across Switzerland with the aim of developing a sustainable biotech sector in our country. We also link with similar organizations from other countries to stimulate mutual exchange between our partners. To be effective, the SCCB initiates and coordinates the following activities:
i) in science: monitoring scientific developments on national and international issues and making recommendations to academia, state and industry. Based on this, setting scientific agendas for Biotechnology and activating potential within the scientific community.
ii) in communication: being an active partner to communicate the benefits of modern biotechnology on a national and international level and contributing to an open and positive image towards biotechnology and useful applications of it.
iii) in networking: activating different stakeholders when positive lobbying on national and international levels seems appropriate. For more information: **www.sk-biotechnologie.ch**

Association for General and Applied Microbiology – VAAM

With over 3,000 scientists working in the field of microbiology, the Association for General and Applied Microbiology promotes the exchange of scientific information and co-operation of its members with a view to translating the results of microbiological research to the benefit of society and the environment.

This is made possible through the annual conference in spring where all the sectors of microbiology are represented, as well as through special conferences on individual microbiological topics and the members' journal "BIOspectrum" which is published six times a year. Postgraduates are encouraged through promotion prizes, travel subsidies and reduced fees at conferences. The Association for General and Applied Microbiology itself is a member of the umbrella organizations FEMS, EFB and IUMS and can look back on a good co-operation with other related German scientific organizations. Homepage: **www.vaam.de**

VBIO – Verband Biologie, Biowissenschaften und Biomedizin in Deutschland e.V.

The VBIO was formed as an umbrella organization in 2007. It comprises about 5,000 individual members, more than 30,000 members of life science organizations and 80 companies and institutions. Thus, VBIO unites under one roof everyone in Germany who is involved in Bio and Life Sciences in schools, universities, industry, administration, research institutions or as a free-lancer. Members of VBIO represent the whole spectrum of Life Sciences from the molecular and the cellular, the organismic to the ecological level as well as biomedicine.

VBIO contributes to enhance the perspectives of Life Sciences as well as those of Life Scientists:

It supports the next generation of biologists in high schools and universities, providing information about exciting career paths, raising the interest to study biology and communicate the excitements of life sciences. VBIO will commit itself completely to solidify the status of biology within the curricula.

VBIO represents all bio and life scientists and supports their social and economical acceptance and recognition.

As contact organization to governmental institutions, VBIO provides expertise and advice. VBIO will also continuously monitor the relevant political scene and will pro-actively communicate statements on current affairs. VBIO will contribute to create the best conditions for the best scientists to stay in or come back to Germany. VBIO is dedicated to help avoid further "Brain Drain" in Germany.

All members of VBIO are deeply convinced that by joining forces, we will be able to cope with the challenges of the present and the future. And we will succeed in placing our exciting profession as what it is: The Science of the 21st century. With excellent Bio Perspectives.

For further Information see **www.vbio.de.**

VBU – Vereinigung deutscher Biotechnologie-Unternehmen

(Association of German Biotechnology Companies)

VBU was founded in October 1996 by 55 German biotechnology companies. It is part of DECHEMA, Germany´s largest non-profit organization for biotechnology. By January 2007, the number of VBU member companies had risen to over 220.

VBU acts as a catalyst for co-operations between companies. Moreover, being the link between the commercial sector and academic research in modern biotechnology, VBU assists in determining the potential of scientific discoveries and their commercial use.

Mission and Objectives

- Support of cooperation between global players and SMEs
- Improvement of knowledge- and technology transfer
- Establishment of networks between industry and academia
- Support for policies regarding national and international R&D funding programs
- Representation of the German biotechnology industry on a national and international level
- Organization of partnering events, conferences, workshops, fact finding missions e.g.

For further information see **www.v-b-u.org.**

VDI-GVC – VDI Society for Chemical and Process Engineering (Gesellschaft Verfahrenstechnik und Chemieingenieurwesen)

The VDI Society for Chemical and Process Engineering (GVC) is the expert organization for engineers working in process engineering and chemical engineering and for their colleagues in related fields. The GVC handles all technical and professional aspects in this specialist branch of engineering. It deals with issues of chemical and process engineering in the overall area of science and technology, industry and public life. For further information see: **www.vdi.de/gvc.**

POSTER SESSIONS

Poster Sessions will take place in the poster section in hall 9 on

Tuesday, October 7, 2008 19:30 – 21:00 h
and during the conference breaks.

Authors are asked to be present at their poster for discussion of their work.

POSTER PROGRAM (HALL 9)

Functional Genomics/Systems Biology/ Proteomics

P 1.1 **Rational engineering of NADPH metabolism in *Corynebacterium glutamicum* for improved lysine production**
J. Becker, TU Braunschweig/D; C. Klopprogge, O. Zelder, BASF SE, Ludwigshafen/D; C. Wittmann, TU Braunschweig/D

P 1.2 **Utilization of sulfur sources by *Corynebacterium glutamicum* towards biotechnological methionine production**
C.J. Bolten, TU Braunschweig and Saarland University, Saarbrücken/D; S. Peifer, Saarland University, Saarbrücken/D; H. Schröder, BASF SE, Ludwigshafen/D; E. Heinzle, Saarland University, Saarbrücken/D; C. Wittmann, TU Braunschweig/D

P 1.3 **Influence of process conditions on glucoamylase production in continuous cultures of *Aspergillus niger* AB 1.13**
A. Dalpiaz, H. Driouch, R. Jonas, M. Kucklick, G. Melzer, B. Nörtemann, TU Braunschweig/D; L. Jänsch, Helmholtz Center for Infection Research, Braunschweig/D; D. Jahn, C. Wittmann, D.C. Hempel, TU Braunschweig/D

P 1.4 **Key determinants of abiotic stress response in *Pseudomonas putida***
S. Frank, J. Klockgether, B. Tümmler, Hannover Medical School/D

P 1.5 **Systematic comparison of protein microarray surface coating and spotting systems**
C. Haake, J.-G. Walter, M. Reck, F. Stahl, T. Scheper, University of Hannover/D

P 1.6 **Optimization of aptamer immobilization for protein microarray applications**
M. Lübbecke, J.-G. Walter, Ö. Kökpinar, F. Stahl, T. Scheper, University of Hannover/D

P 1.7 **Comparison of different model parameter error estimation methods using a data set obtained form an *Escherichia-coli*-cultivation**
M. Pangalos, P. Lindner, G. Jain, M. Takagi, B. Hitzmann, University of Hannover/D

P 1.8 **Characterization of the function of malic enzyme in *Saccharomyces cerevisiae* using ^{13}C metabolic flux analysis**
K. Schneider, E. Heinzle, Saarland University, Saarbrücken/D

P 1.9 **Metabolic studies of *Corynebacterium glutamicum mutants* with different combinations of deletions in central metabolism**
V. Schütz, Saarland University, Saarbrücken/D; H. Schröder, BASF SE, Ludwigshafen/D; E. Heinzle, Saarland University, Saarbrücken/D

P 1.10 **Functional genome analysis of the industrial work horse *Bacillus licheniformis***
B. Voigt, B. Jürgen, R. Schroeter, K. Surmann, D. Albrecht, University of Greifswald/D; A. Ehrenreich, University of Göttingen/D; S. Evers, K.-H. Maurer, Henkel KGaA, Düsseldorf/D; M. Lalk, M. Hecker, T. Schweder, University of Greifswald/D

P 1.11 **Functional genome analysis of the cold-adapted, alternative expression host *Pseudoalteromonas haloplanktis***
B. Wilmes, University of Greifswald and Institute of Marine Biotechnology, Greifswald/D; A. Hartung, University of Greifswald/D; P. Neubauer, University of Oulu/FIN; T. Schweder, University of Greifswald and Institute of Marine Biotechnology, Greifswald/D

P 1.12 **A comparison of stress response in E. *coli* BL21(DE3) upon recombinant protein overproduction by T7 expression system in soluble and insoluble form**
G. Jain, Indian Institute of Technology, Madras/IND; U. Rinas, Helmholtz Centre for Infection Research, Braunschweig/D; B. Hitzmann, University of Hannover/D; G. Jayaraman, Indian Institute of Technology, Madras/IND

P1.13 **Identification of the DASS family dicarboxylate uptake system DccT of *Corynebacterium glutamicum***
J.-W. Youn, University of Münster/D; E. Jolkver, R. Krämer, K. Marin, University of Cologne/D; V. F. Wendisch, University of Münster/D

P 1.14 **Metabolic engineering of *Corynebacterium glutamicum* for biotechnological diaminopentane production**
S. Kind, TU Braunschweig/D; H. Schröder, W.K. Jeong, BASF SE, Ludwigshafen/D; C. Wittmann, TU Braunschweig/D

P 1.15 **FUNCRYPTA – a systems biology approach to understand anhydrobiosis**
M. Frohme, University of Applied Sciences Wildau/D; M. Schnölzer, German Cancer Research Center, Heidelberg/D; T. Dandekar, University of Würzburg/D; D. Reuter, Oncoscience AG, Wedel/D; R.O. Schill, University of Stuttgart/D

Industrial Biology

P 2.1 **Encapsulation of active compounds in biopolymers**
E.M. del Amor Villa, C. Nowacki, R. Wichmann, Dortmund University of Technology/D

P 2.2 **Development of a maltogenic amylase for extended shelf-life of cakes and other sweet goods with a high sucrose content**
L. Beier, E.P. Friis, T. Spendler, M.T. Jensen, P.K. Hansen, H. Lundkvist, Novozymes A/S, Bagsvaerd/DK

P 2.4 **The integrated enzyme production and downstream processing of poly-His-tagged recombinant proteins in expanded bed adsorption**
U. Beshay, Mubarak City for Scientific Research and Technology Applications, New Bourg El-Arab, Alexandria/ET; G. Miksch, K. Friehs, E. Flaschel, University of Bielefeld/D

P 2.5 **The cold-adapted lipase of an Antarctic fungus *Beauveria* sp. P7 as an effective catalysts of enantioselective transesterification of secondary alcohols**
T. Florczak, A. Bialkowska, K. Makowski, M. Turkiewicz, TU Lodz/PL

P 2.6 **Distribution of mixing efficiency in bioreactors with stirred beds of immobilized yeast cells**
A.-M. Lupasteanu, TU Iasi/RO; A.-I. Galaction, M. Turnea, University of Medicine and Pharmacy, Iasi/RO; D. Cascaval, TU Iasi/RO

P 2.7 **Comparison of polysialic acid production during batch and feed batch cultivations of *Escherichia Coli* K1**
R. Chen, J. John, B. Hitzmann, T. Scheper, University of Hannover/D

P 2.8 **Bioprocess design of antibody fragment-secreting *Bacillus megaterium* MS941 cultivations**
F. David, Y. Göcke, T. Bewersdorf, F. Hellmers, S. Lüders, E. Jordan, M. Hust, S. Dübel, E. Franco-Lara, TU Braunschweig/D

P 2.9 ***In vitro* expression system for the screening of new proteases**
A. Eichler, T. Greiner-Stöffele, University of Leipzig/D

P 2.10 **Downstreaming of bacterial polysialic acid**
C. Endres, B. Rode, S. Beutel, C. Kasper, University of Hannover/D; R. Gerardy-Schahn, Hannover Medical School/D; T. Scheper, University of Hannover/D

P 2.11 **Bioprocess design for lipopeptide antibiotics production with integrated product recovery**
J. Glazyrina, TU Berlin/D; P. Götz, University of Stuttgart/D

P 2.12 **Sequential cosimulation of hydrodynamics and growth for optimization of reactors and processes**
A.C. Vetter, D.C. Hempel, A. Haarstrick, TU Braunschweig/D

P 2.13 **Novel fructo-oligosaccharides as pharma-/neutraceuticals**
A. Homann, Helmholtz-Centre for Infection Research, Braunschweig/D; A. Zuccaro, TU Braunschweig/D; S. Götze, Helmholtz-Centre for Infection Research, Braunschweig/D; D. Jahn, P. Dersch, TU Braunschweig/D; J. Seibel, Helmholtz-Centre for Infection Research, Braunschweig/D

P 2.14 **Viability-analyses of human leukemia-cell cultivations with *in-situ* microscopy**
T. Höpfner, A. Bluma, P. Lindner, G. Rudolph, S. Beutel, B. Hitzmann, T. Scheper, University of Hannover/D

P 2.15 **Enantioselective sulfoxidation catalyzed by the novel haloperoxidase from *Agrocybe aegerita***
A. Horn, University of Rostock/D; R. Ullrich, M. Hofrichter, International Graduate School of Zittau/D; K. Scheibner, JenaBios GmbH, Jena/D; U. Kragl, University of Rostock/D

P 2.16 **A screening tool for biological systems at micro scale**
A. Jansen, S. Demming, S. Büttgenbach, E. Franco-Lara, R. Krull, TU Braunschweig/D

P 2.17 **Cloning, expression and characterization of the beta-fructofuranosidase from *Bifidobacterium longum* KN29.1.**
M. Jedrzejczak-Krzepkowska, S. Bielecki, TU Lodz/PL

P 2.18 **Are complex models required for the control of substrate during cultivation?**
J. John, University of Hannover/D; L.S. Ferreira, J.O. Trierweiler, University of Rio Grande do Sul, Porto Alegre/BR; B. Hitzmann, University of Hannover/D

P 2.19 **Process analytical technology: electrooptical monitoring of *Escherichia coli* cultivations**
S. Junne, TU Berlin/D; A. Angersbach, V. Bunin, Biotronix GmbH, Hennigsdorf/D; M.N. Cruz-Bournazou, I. Zavodni, TU Berlin/D; P. Götz, University of Stuttgart/D

P 2.20 **Investigations of enzymatic and ultrasonic degradation of sulphated polysaccharides**
S. Kelly, TU Kaiserslautern/D; A. Holtkamp, S. Lang, TU Braunschweig/D; R. Ulber, TU Kaiserslautern/D

P 2.21 **Protein formation in submerged cultivation processes with *Aspergillus niger***
K.A. Kiep, K. Bohle, Y. Göcke, A. Roth, P. Dersch, D.C. Hempel, R. Krull, TU Braunschweig/D

P 2.22 **Degradation of α-galactosides by tempe fermentation**
C. Koob, K. Kranz, B. Bisping, University of Hamburg/D

P 2.23 **Synthesis of enantiomeric pure non natural amino acids**
M. Korpak, J. Pietruszka, Universität Düsseldorf im Forschungszentrum Jülich/D

P 2.24 Statistics in process development – thoughts on what is necessary and what is possible in small scale multi-fermenter system
S. Langhammer, Charité – Universitätsmedizin Berlin and ProBioGen AG, Berlin/D; M. Thiele, S. Koch, R. Brecht, ProBioGen AG, Berlin/D; R. Pörtner, Hamburg University of Technology (TUHH)/D; U. Marx, ProBioGen AG, Berlin/D

P 2.25 Biotransformation of triterpenes
D. Leipold, G. Wünsch, M. Schmidt, K. Muffler, H.-J. Bart, R. Ulber, TU Kaiserslautern/D

P 2.26 Cofermentation as efficient tool for the production of ethanol from pentoses and hexoses
M. Monzón Lozano, S. Poth, N. Tippkötter, R. Ulber, TU Kaiserslautern/D

P 2.27 Use of marine enzymes in biotransformation and analytical devices
K. Muffler, R. Ulber, TU Kaiserslautern/D

P 2.28 Mössbauer spectroscopy for elucidation of biochemical pathways – investigations on reaction intermediates in monooxygenase reaction cycles
K. Muffler, R. Christmann, TU Kaiserslautern/D; C. Jung, KKS Ultraschall AG, Steinen/CH; R. Ulber, V. Schünemann, TU Kaiserslautern/D

P 2.29 Production of biopolymers by transgenic plants
K. Neubauer, W. Ruth, U. Kragl, University of Rostock/D

P 2.30 Continuous production of 5-chlor-tryptophan using immobilized tryptophan-5-halogenase
A.R. Kuetchou Ngnigha, K. Muffler, TU Kaiserslautern/D; A. Ernyei, K.-H. van Pée, University of Dresden/D; R. Ulber, TU Kaiserslautern/D

P 2.31 Flow characterization in wave bioreactors
A.A. Öncül, D. Thévenin, University of Magdeburg/D; A. Kalmbach, Y. Genzel, U. Reichl, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D

P 2.32 Economic pseudo-affinity purification of mammalian cell culture-derived influenza virus particles by sulphated cellulose membranes
L. Opitz, N. Solf, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D; U. Reichl, Max Planck Institute for Dynamics of Complex Systems, Magdeburg and University of Magdeburg; M.W. Wolff, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D

P 2.33 Thermostable α-amylase: comparability studies of different chemical assays
M. Siewek, T. Jamrath, S. Menschel, M.K. Popovic, University of Applied Sciences, Berlin/D

P 2.34 Enzymatic degradation of cellulosic and hemicellulosic materials
S. Poth, A. Dernbecher, M. Monzon, N. Tippkötter, R. Ulber, TU Kaiserslautern/D

P 2.35 Improvement of P450 whole-cell biocatalysis with E. coli by combining metabolic and bioprocess engineering
H. Schewe, B. Kaup, D. Holtmann, J. Schrader, DECHEMA e.V., Frankfurt am Main/D

P 2.36 Basic investigation for the application of hollow fiber micro-bioreactors in mammalian cell culture
A. Schmidt, S. Kroll, S. Beutel, C. Kasper, T. Scheper, University of Hannover/D

P 2.37 Immobilization of oxidoreductases on ion exchange resins for the use in wastewater purification from phenols
A. Sidorov, B. Tikhonov, E. Sulman, A. Alexandrov, Tver Technical University/RUS

P 2.38 Chemical and enzymatic degradation of lignin
J. Sigel, T. Jozak, W. Roikaew, N. Tippkötter, W.R. Thiel, R. Ulber, TU Kaiserslautern/D

P 2.39 Combination of different immobilization concepts for efficient hydrolysis of renewable resources
N. Tippkötter, T. Hahn, R. Ulber, TU Kaiserslautern/D

P 2.40 Different magnetizable particles for bioaffinity layering
N. Tippkötter, V. Schünemann, R. Christmann, A. Pasteur, J. Schweizer, R. Ulber, TU Kaiserslautern/D

P 2.41 New ways of biosurfactant production based on renewable resources
V. Walter, F. Leitermann, R. Hausmann, C. Syldatk, University of Karlsruhe/D

P 2.42 Preferential crystallization of L-amino acids from racemic solutions: overcoming yield limitations by enzymatic racemization in a continuous reactor system
K. Würges, Research Centre Jülich GmbH/D; K. Petrusevska, M. Elsner, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D; S. Lütz, Research Centre Jülich GmbH/D

P 2.43 Mechanistic studies of Henry reaction catalyzed by hydroxynitrile lyase from Hevea brasiliensis
R. Yuryev, Hamburg University of Technology (TUHH) (TUHH)/D; T. Purkarthofer, M. Gruber-Khadjawi, H. Griengl, Research Centre Applied Biocatalysis, Graz/A; B. Galunsky, A. Liese, Hamburg University of Technology (TUHH)/D

P 2.44 Limitations of CYP21 catalysed whole cell biotransformation
D. Zehentgruber, Research Centre Jülich GmbH/D; C.A. Dragan, M. Bureik, Saarland University, Saarbrücken/D; S. Lütz, Research Centre Jülich GmbH/D

P 2.45 Simulation based aerobic high-cell-density culture of *Rhodospirillum rubrum*
L. Zeiger, S. Alvarez-Cofino-Tunon, M. Säger, H. Grammel, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D

POSTER PROGRAM

P 2.46 UV-laser drilled micro holes with desired flow characteristics for biotechnological applications
N. Koop, A. Ahmed, B. Weber, Medical Laser Center Lübeck GmbH/D

P 2.47 Application of DoE – design of experiments for optimal production of recombinant protein with *Pichia pastoris*
K. Lögering, H.-P. Bertelsen, U. Scheffler, R. Luttmann, Hamburg University of Applied Sciences/D

P 2.48 Bromelain: mode of action studies of a complex mixture enabled via heterologous expression of proteins from *Ananas comosus*
N. Luniak, J. Herrmann, Saarland University, Saarbrücken/D; K. Eschmann, Ursapharm Arzneimittel GmbH & Co. KG, Saarbrücken/D; R. Müller, Saarland University, Saarbrücken/D

P 2.49 Multiplex detection of mycotoxins in foodstuffs using protein microarrays
A. Grünfelder, U. Ratmanns, University of Applied Science, Tulln/A; C. Mladek, University of Natural Resources and Applied Life Sciences, Vienna/A; B. Herbinger, R. Krska, University of Applied Science, Tulln/A

P 2.50 Fermentative production of α, ω-di-carboxylic acids for the synthesis of bio-based plastics
S. Löffler, University of Stuttgart/D; W. Wagner, S. Zibek, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D; T. Hirth, University of Stuttgart and Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D; S. Rupp, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D

P 2.51 Covalent immobilization of an alcohol dehydrogenase on novel carrier materials
K. Goldberg, Hamburg University of Technology (TUHH)/D; A. Krueger, T. Meinhardt, University of Kiel/D; W. Kroutil, B. Mautner, University of Graz/A; A. Liese, Hamburg University of Technology (TUHH)/D

P 2.52 Applications of the S.U.B. (50 L) under consideration of engineering aspects
C. Ries, B. Lumani, I. Bauer, Zurich University of Applied Sciences, Wädenswil/CH; K. Ehsemann, Anhalt University of Applied Sciences, Köthen/D; D. Eibl, R. Eibl, Zurich University of Applied Sciences, Wädenswil/CH

P 2.53 Biochemical characterization of a novel ß-endo-glucanase from *Lentinellus cochleatus*
S.J.L. Kopp, K. Kissmann, H. Zorn, TU Dortmund/D

P 2.54 CFD simulations characterizing fluid flow in wave-mixed bag bioreactors
S. Werner, Zurich University of Applied Sciences, Wädenswil/CH and TU Berlin/D; R. Eibl, Zurich University of Applied Sciences, Wädenswil/CH; T. Bley, TU Dresden/D; M. Kraume, TU Berlin/D; D. Eibl, Zurich University of Applied Sciences, Wädenswil/CH

P 2.55 Development of pH sensitive thin films for coating optical fibers as transducers for biosensors
V. Wurm, A. Werner, T. Bley, TU Dresden/D

P 2.56 Usage of a screening system with direct online GC-measurements for the development of chiral biocatalytic processes
T. Grimm, Bioworx, Berlin/D; C. Piechotta, Federal Institute for Materials Research and Testing (BAM), Berlin/D; G. Fabian, University of Applied Sciences (TFH), Berlin/D; M. Grimm, Bioworx, Berlin/D; M. Burkhard, R. Senz, University of Applied Sciences (TFH), Berlin/D

P 2.57 A new penicilin V acylase, a key enzyme for the production of semi-synthetic penicillins
D. Luschnig, H. Plank, D. Ribitsch, P. Remler, Applied Biocatalysis Research Centre, Graz/A; W. Riethorst, Sandoz GmbH, Kundl/A; H. Schwab, Applied Biocatalysis Research Centre, Graz and Graz University of Technology/A

P 2.58 Development of a novel SiO_2-containing freeze-casted hydroxyapatite-based bone replacement material
S. Blindow, K. Rezwan, University of Bremen/D

P 2.59 L-Methionine production with *Corynebacterium glutamicum*
H. Reershemius, I. Jurchescu, TU Braunschweig/D; T. Hartwich, T. Willke, K.D. Vorlop, Johann Heinrich von Thünen-Institut, Braunschweig/D; S. Lang, TU Braunschweig/D

P 2.60 Setup of a multi-fermenter system BIOSTAT® Q*plus*-6 for the execution of screening experiments
A. Ellert, F. Tatge, G. Eckl, H.P. Bertelsen, U. Scheffler, Hamburg University of Applied Sciences/D; A. Grebe, Sartorius Stedim Systems GmbH, Melsungen/D; R. Luttmann, Hamburg University of Applied Sciences/D

P 2.61 Lignite products – materials for a combined treatment of colored effluents from textile industry by adsorption and enzymatic degradation with white rot fungi
U. Böhmer, TU Dresden/D; C. Kirsten, TU Bergakademie Freiberg/D; T. Bley, TU Dresden/D

P 2.62 Characterisation of human mesenchymal stem cells and monitoring of long term cultivation via multicolour flow cytometry
P. Moretti, T. Hatlapatka, M. Tomala, I. Majore, F. Stahl, T. Scheper, C. Kasper, University of Hannover/D

P 2.63 Automated cell culture system for the development of serum- and protein-free media
M. Wiechmann, J. Seidl, PAN-Biotech GmbH, Aidenbach/D

P 2.64 **New chitinases for the industrial biotechnology**
K. Moß, University of Stuttgart/D; S. Zibek, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D; T. Hirth, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart and University of Stuttgart/D; S. Rupp, Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart/D

P 2.65 **3-D cell culture meets automation: from freezer to assay in one step**
C. Cavelier, Hamilton Bonaduz AG, Bonaduz/CH; B. Justice, Global Cell Solutions Inc., Charlottesville, VA/USA; R.A. Felder, University of Virginia, Charlottesville, VA/USA

P 2.66 **Regioselective biocatalytic oxidation of glycerol**
M. Neumann, Hamburg University of Technology (TUHH)/D; N. Richter, evocatal GmbH, Düsseldorf/D; W. Hummel, University of Düsseldorf/D; T. Eggert, evocatal GmbH, Düsseldorf/D; R. Wohlgemuth, Sigma-Aldrich Research Specialities Corporation, Buchs/CH; A. Liese, Hamburg University of Technology (TUHH)/D

P 2.67 **Kinetic modeling of carboligations catalyzed by benzoylformate decarboxylase variants from Pseudomonas putida**
S. Kara, M. Berheide, Hamburg University of Technology (TUHH)/D; D. Gocke, M. Pohl, University of Düsseldorf/D; A. Liese, Hamburg University of Technology (TUHH)/D

P 2.68 **Investigation of the productivity of a novel ceramic membrane reactor system for steady state fermentations**
C. Endres, S. Beutel, University of Hannover/D; S. Fraser, W. Edwards, Synexa Life Sciences (Pty) Ltd., Cape Town/ZA; T. Scheper, University of Hannover/D

P 2.69 **Engineering of a glycerol utilization pathway for amino acid production by *Corynebacterium glutamicum***
D. Rittmann, Research Centre Jülich GmbH/D; S.N. Lindner, V.F. Wendisch, University of Münster/D

P 2.70 **High-throughput immediate – early screening of monoclonal mammalian production cells**
J. Fieder, L. Florin, H. Kaufmann, Boehringer Ingelheim Pharma GmbH & Co. KG, Biberach/D

Chemical Biology/Natural Products

P 3.1 **Investigations with guava extract (*Psidium guajava*)**
T. Eidenberger, M. Selg, University of Applied Science Upper Austria, Wels/A; S. Fürst, University of Agriculture, Vienna/A; K. Krennhuber, University of Applied Science Upper Austria, Wels/A

P 3.2 **The effects of long-term cultivation of Aplysina aerophoba under artificial conditions on the associated Bacteria**
B. Gerçe, University of Karlsruhe (TH)/D; T. Schwartz, Forschungszentrum Karlsruhe GmbH/D; M. Voigt, S. Rühle, University of Karlsruhe (TH)/D; S. Kirchen, Forschungszentrum Karlsruhe GmbH/D; A. Putz, P. Proksch, University of Düsseldorf/D; U. Obst, Forschungszentrum Karlsruhe GmbH/D; C. Syldatk, R. Hausmann, University of Karlsruhe (TH)/D

P 3.3 **Cytochrome P450 monooxygenase from the anaerobic microorganism Clostridium acetobutylicum: a novel α-fatty acid hydroxylase**
M. Girhard, V.B. Urlacher, R.D. Schmid, University of Stuttgart/D

P 3.4 **Isolation and characterization of biologically active potato proteins**
A. Graf, S. Beutel, University of Hannover/D; M. Lotz, Emsland-Stärke GmbH, Emlichheim/D; T. Scheper, University of Hannover/D

P 3.5 **Derivatization of the iromycins: new unusual pyridone metabolites from Streptomyces sp.**
T. Hofeditz, P. Kössler, F. Surup, S. Grond, University of Göttingen/D

P 3.6 **Isolation and structure elucidation of novel bioactive peptides from marine fungi and bacteria**
I. Kajahn, J.F. Imhoff, Kieler Wirkstoff-Zentrum am IFM-GEOMAR/D

P 3.7 **New natural products from marine microorganisms**
A. Labes, I. Kajahn, M. Krämer, R. Stöhr, V. Thiel, J. Wiese, J.F. Imhoff, Kieler Wirkstoff-Zentrum am IFM-GEOMAR/D

P 3.8 **Antioxidant properties of methanolic extracts from Colchicum specoisum**
M.A. Ebrahimzadeh, S.M. Nabavi, S.F. Nabavi, Medical Sciences University of Mazandaran, Sari/IR; B. Eslami, Islamic Azad University, Qaemshahr/IR

P 3.9 **Associated bacteria from Aplidium lenticulum: a talented producer strain Streptomyces sp. JP90**
M. Quitschau, T. Schuhmann, University of Göttingen/D; P. Zezschwitz, University of Marburg/D; J. Piel, University of Bonn/D; S. Grond, University of Göttingen/D

P 3.10 **Identification of a biosynthetic gene cluster for a secreted glycolipid with antifungal activity in Ustilago maydis**
B. Teichmann, L. Liu, M. Bölker, University of Marburg/D

P 3.11 **Biochemical and genetic studies on the new microbial tricycle collinolactone**
D. Vollmar, L. Hoffmann, S. Grond, University of Göttingen/D

P 3.12 **The tryptophan aminotransferase Tam1 catalyses the single biosynthetic step for tryptophan-dependent pigment synthesis in *Ustilago maydis***
K. Zuther, Max Planck Institute for Terrestrial Microbiology, Marburg/D; P. Mayser, University of Giessen/D; U. Hettwer, University of Göttingen/D; W. Wu, Max Planck Institute for Terrestrial Microbiology, Marburg/D; P. Spiteller, B. Kindler, TU München/D; P. Karlovsky, University of Göttingen/D; C.W. Basse, J. Schirawski, Max Planck Institute for Terrestrial Microbiology, Marburg/D

P 3.13 **Analysis of diverse bioactivities of fucoidan from Fucus vesiculosus**
A. Holtkamp, L. Kilian, TU Braunschweig/D; S. Kelly, R. Ulber, TU Kaiserslautern/D; S. Lang, TU Braunschweig/D

P 3.14 ***In vitro* synthesis of UDP-glucuronic acid and the glycan epitope HNK-1 with a highly flexible enzyme-module-system**
L. Engels, H. Klose, L. Elling, RWTH Aachen University/D

Bioinformatics/Metabolome Analysis/ Protein Engineering

P 4.1 **Influence of host pathogen interaction on pathogen metabolism**
E. Frimmersdorf, TU Braunschweig/D; S. Horatzek, L. Wiehlmann, Hannover Medical School/D; D. Schomburg, TU Braunschweig/D

P 4.2 **Why can the glucose concentration during cultivations be predicted from fluorescence spectra?**
B. Grote, P. Lindner, M. Kollecker, B. Hitzmann, University of Hannover/D

P 4.3 **Compound analysis of transgenic plants**
A. Grunenberg, C. Bathke, W. Ruth, U. Kragl, University of Rostock/D

P 4.4 **Enzyme engineering of pyrroloquinoline quinone dependent glucose dehydrogenase B: improving substrate specificity**
M. Hofer, T. Greiner-Stöffele, University of Leipzig/D

P 4.5 **Metabolic impact on virulence in *Pseudomonas aeruginosa***
S. Horatzek, Hannover Medical School/D; E. Frimmersdorf, TU Braunschweig/D; L. Wiehlmann, Hannover Medical School/D; D. Schomburg, TU Braunschweig/D; B. Tümmler, Hannover Medical School/D

P 4.6 **Metabolome analysis of Pseudomonas putida**
C. Jäger, K. Schreiber, D. Schomburg, TU Braunschweig/D

P 4.7 **Activity of key enzymes of the central carbon metabolism of MDCK cells under different growth conditions**
R. Janke, A. Wahl, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg/D; U. Reichl, Max Planck Institute for Dynamics of Complex Technical Systems, Magdeburg and University of Magdeburg/D

P 4.8 **Influence of process parameters on the glycosylation pattern of therapeutic glycoproteins, example of alpha-1-antitrypsin**
S. Langhammer, V. Blanchard, M. Kaup, S. Eigel, Charité - Universitätsmedizin Berlin/D; P. Jehle, S. Koch, R. Brecht, ProBioGen AG, Berlin/D; M. Berger, Charité – Universitätsmedizin Berlin/D; R. Pörtner, Hamburg University of Technology (TUHH)/D; U. Marx, ProBioGen AG, Berlin/D

P 4.9 **Recombinant A/B region of dHR38 nuclear receptor- overexpression and purification**
A. Dziedzic, G. Rymarczyk, T.M. Kaplon, A. Ozyhar, Wroclaw University of Technology/PL

P 4.10 **The diauxic shift of Saccharomyces cerevisiae**
K. Schreiber, D. Schomburg, TU Braunschweig/D

P 4.11 **Biomass estimation using 2-D fluorescence measurement in recombinat E. coli cultivation**
M. Takagi, Butantan Institute, Sao Paulo/BR; G. Jan, J. John, C. Ran, University of Hannover/D; U. Rinas, Helmholtz Centre for Infection Research, Braunschweig/D; B. Hitzmann, University of Hannover/D

P 4.12 **Genetic algorithm approach for optimization of enzymatic hydrolysis of lignocellulose**
N. Tippkötter, K. Muffler, R. Ulber, TU Kaiserslautern/D

P 4.13 **Development of a software tool for automatic modelling and application of the results to the design of fermentations with *Paenibacillus Polymyxa***
N. Violet, T. Heine, M. Valentin, N. Rossner, R. King, U. Böckelmann, U. Szewzyk, TU Berlin/D

P 4.14 **Metabolome analysis of the hyperthermophilic archaeon *Sulfolobus solfataricus* with gas chromatography mass spectrometry**
P. Wieloch, S. Gertig, K. Schreiber, D. Schomburg, TU Braunschweig/D

P 4.15 **New primary analysis method accounting for the spot-shape**
C. Repenning, C. Räcke, F. Stahl, T. Scheper, B. Hitzmann, University of Hannover/D

P 4.16 **A new method for the gradient based optimization of partially flexible molecules using derivatives of a fair quaternion parametrization**
J. Fuhrmann, A. Rurainski, H.-P. Lenhof, D. Neumann, Saarland University, Saabrücken/D

P 4.17 A computational approach to the characterization of the quinolone-gyrase-interaction
J. Lenz, T. Lemcke, P. Heisig, A. Torda, University of Hamburg/D

P 4.18 Enhanced production of recombinant pyranose 2-oxidase by coexpression with triggerfactor and high-cell-density fed-batch fermentation
M. Pitz, S. Dorscheid, F. Giffhorn, Saarland University, Saarbrücken/D

P 4.19 Phage display as a tool towards improved artificially split inteins
D. Garbe, I.V. Thiel, H.D. Mootz, TU Dortmund/D

P 4.20 RNA sequence design with continuous sequence representations
M. Matthies, S. Bienert, A. Torda, University of Hamburg/D

P 4.21 Investigation of cofactor stability during intracellular cofactor measurement
D. Minör, M. Oldiges, S. Lütz, Research Centre Jülich GmbH/D

P 4.22 Quenching of different microorganisms for metabolome analysis using an ethanol/ sodium chloride-quenchingsolution
L. Reimer, J. Spura, P. Wieloch, K. Schreiber, D. Schomburg, TU Braunschweig/D

P 4.23 Investigation of quenching and extraction methods for metabolic analysis of microorganisms
H. Quitmann, B. Landwehr, Hamburg University of Technology (TUHH)/D; S. Poetsch, University of Applied Science, Berlin/D; A.-P. Zeng, Hamburg University of Technology (TUHH)/D

P 4.24 Nearly-deterministic methods for optimising protein geometry
G. Schenk, A. Torda, University of Hamburg/D

P 4.25 Automated structure-based phylogenies of protein families and exploring the structure space of kinases
T. Margraf, A. Torda, University of Hamburg/D

Biomedicine

P 5.1 Towards a massively parallelized and scalable bioimaging approach for observation of rare cellular events
M.M. Gepp, F.K. Groeber, A.F.J. Beier, J.C. Schulz, F. Ehrhart, A. Katsen-Globa, H. Zimmermann, Fraunhofer Institute for Biomedical Engineering, St. Ingbert/D

P 5.2 Special delivery – cell inoculation into porous substrates
V. Goralczyk, G. Driemel, R. King, TU Berlin/D

P 5.3 New insights in cell cultivation – online oxygen and pH monitoring in multidishes
S. Arain, G.T. John, C. Krause, PreSens Precision Sensing GmbH, Regensburg/D

P 5.4 The „Blood Donor Biobank" – An innovative resource for biomarker research
S. Martin, F. Weinauer, Blutspendedienst des BRK, Munich/D

P 5.5 Dispersing biologically relevant fluids by „kinetic masking" and its applications
I. Meiser, J.C. Schulz, F. Ehrhart, S.G. Shirley, H. Zimmermann, Fraunhofer Institute for Biomedical Engineering, St. Ingbert/D

P 5.6 Bone tissue engineering using functionalized biomaterials and an innovative rotating bed bioreactor system
S. Röker, S. Diederichs, University of Hannover/D; D. Marten, Zellwerk GmbH, Oberkrämer/D; M. van Griensven, Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna/A; C. Kasper, University of Hannover/D

P 5.7 Engineered liver cell module on basis of a biological vascularized scaffold
J. Schanz, K. Linke, Fraunhofer Institute for Interfacial Engineering and Biotechnology, Stuttgart/D

P 5.8 Optimisation of cryopreservation protocols for cryo-banking of human stem cells
J. C. Schulz, F. K. Groeber, M. M. Gepp, A. F. J. Beier, H. Zimmermann, A. Katsen-Globa, Fraunhofer Institute for Biomedical Engineering, St. Ingbert/D

P 5.9 Influence of hydroxylapatite ceramics with different surface structures during the *in vitro* generation of cartilage-carrier-constructs
K. Wiegandt, T. Richter, D. Fritsch, C. Goepfert, R. Janßen, P. Pörtner, Hamburg University of Technology (TUHH)/D

P 5.10 On the flow investigations inside cartilage cell-breeding bioreactors using the Lattice Boltzmann method
M. A. Hussein, A. A. Moaty, T. Becker, University of Hohenheim, Stuttgart/D

P 5.11 3-D human skin in vitro test system
M. Weimer, H. Mertsching, T. Hirth, Fraunhofer Institute of Interfacial Engineering and Biotechnology, Stuttgart/D

P 5.12 Targeted transfection of stem cells with sub-20 femtosecond laser pulses
A. Uchugonova, Fraunhofer Institute for Biomedical Technology (IBMT), St. Ingbert and Saarland University, Saarbrücken/D; K. König, Fraunhofer Institute for Biomedical Technology (IBMT), St. Ingbert and Saarland University, Saarbrücken and Jenlab GmbH, Jena/D; R. Bueckle, JenLab GmbH, Jena/D; A. Isemann, G. Tempea, FEMTOLASERS Produktions GmbH, Vienna/A

P 5.13 Cytotoxicity of titanium dioxide nanoparticles
S. Wagner, C. Kasper, T. Scheper, D. Bahnemann, University of Hannover/D

P 5.14 Effects of mechanical stimulation concerning the osteoblastic differentiation of MG-63 cells in a 3-D collagen network
S. Böhm, University of Hannover/D; S. Diederichs, University of Hannover/D and Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna/A; C. Kasper, University of Hannover/D; M. van Griensven, Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna/A; T. Scheper, University of Hannover/D

P 5.15 Once again new technology for individual regenerative medicine
V. Zoykin, Orenburg/RUS

P 5.16 Investigation of the cyclic load on cartilage cells grown in a bioreactor by cyclic wall conditions using the Lattice Boltzmann method
A. A. Moaty, M.A. Hussein, T. Becker, University of Hohenheim, Stuttgart/D

P 5.17 Isolation and processing of spider silk and their application as scaffold material for peripheral nerve regeneration
C. Kasper, University of Hannover/D; C. Allmeling, K. Reimers, A. Hillmer, J. Kuhbier, P. Vogt, Hannover Medical School/D; T. Scheper, University of Hannover/D

P 5.18 Comparative cultivations of human umbilical cord-derived cells in a disposable version of the Z® RP-bioreactor
D. M. Marten, Zellwerk GmbH, Oberkraemer/D and University of Hannover/D; P. Moretti, T. Scheper, C. Kasper, University of Hannover/D

P 5.19 Validation of an ex vivo human cervical tissue model for the local delivery of nucleic acid drugs
U. Bock, E. Haltner, Across Barriers GmbH, Saarbrücken/D

P 5.20 Development and pre-validation of an in-vitro method for the prediction of drug-drug interactions and intestinal absorptions as a tool for drug candidate selection
U. Bock, E. Haltner, Across Barriers GmbH, Saarbrücken/D

P 5.22 Laminar flow reactor for bone tissue engineering
B. Weyand, Hannover Medical School/D; M. Israelowitz, C. Gilles, S. Rizvi, Biomimetics Technologies Inc., Toronto/CDN; C. von Schroeder, Biomimetics Technologies Inc. and University of Toronto/CDN; C. Kasper, T. Scheper, University of Hannover/D; J. Zwicker, Zerspannung Metallbau, Hannover/D; K. Reimers, P. M. Vogt, Hannover Medical School/D

P 5.23 Optimization and monitoring of long-term cultivation of human umbilical cord-derived mesenchymal stem cells
T. Hatlapatka, M. Tomala, P. Moretti, I. Majore, F. Stahl, T. Scheper, C. Kasper, University of Hannover/D

COFFEE BREAKS AND LUNCH

Coffee, tea and soft drinks will be served during the coffee breaks in the conference area free of charge. The bistro in the poster area in hall 9 offers a selection of meals for self payment.

SOCIAL PROGRAM

1. Poster-Party
You are invited to attend the poster session in the exhibition area and to join us at beer and pretzels in the exhibition area free of charge.

2. BIOTECHNICA Night (free of charge)
At the end of the second day on Wednesday, October 8 the BIOTECHNICA Night will take place. For details please check **www.biotechnica.de.**

CONGRESS OFFICE

Until October 6, 2008:
DECHEMA e.V.
Matthias Neumann
Theodor-Heuss-Allee 25
60486 Frankfurt am Main
Tel.: +49-(0)69-7564-254
Fax: +49-(0)69-7564-176
E-Mail: neumann@dechema.de

From October 7, 2008, 10 am:
European BioPerspectives Congress Office
Convention Center Hannover
Messegelände
30521 Hannover
Tel.: +49-(0)511-8608212
Fax: +49-(0)511-8608213
E-Mail: neumann@dechema.de

BMBF-Projektforum Biotechnologie / *BMBF Project Forum Biotechnology*
Halle 9, Stand B16
07.10.2008–09.10.2008, 09:30–17:30 Uhr/hrs

Im Rahmen des Projektforums werden die vom Bundesministerium für Bildung und Forschung (BMBF) geförderten Projekte vorgestellt, die im Laufe des Jahres 2007 abgeschlossen wurden. Gegenstand aller präsentierten Projekte ist die Biotechnologie mit ihren unterschiedlichen Aspekten; hierbei ist die Grundlagenforschung ebenso vertreten wie anwendungsnahe Vorhaben. Der Begriff „Forum" ist dabei ganz wörtlich zu nehmen: In der Halle 9 auf dem Messegelände werden die Vorträge in einer allen zugänglichen Arena gehalten.

The Project Forum will be holding a number of presentations on projects that were funded by the Federal Ministry for Education and Research (BMBF) and which ended in 2007. The subject of the presented projects will be biotechnology, in all its various aspects. Thereby, basic research will be represented equally alongside application-near projects. In this case, the term "forum" should be understood literally: The event will take place in hall 9 in a lecture arena that will be open to all.

Veranstalter/ *Organizer*	Bundesministerium für Bildung und Forschung (BMBF) Vom BMBF mit der Organisation beauftragt ist: biotechnologie.de c/o BIOCOM Projektmanagement AG Brunnenstr. 128 13355 Berlin
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Dr. Boris Mannhardt Telefon: 030/26492161 E-mail: b.mannhardt@biocom.de

Dienstag/*Tuesday*, 07.10.2008

Vorträge I: Nachweismethoden & Aufreinigung

09:30–09:40	**Optimierte Expression und Reinigung von antibiotischen Wirkstoffen** Justus Dehnen, Dr. Petry Genmedics GmbH, Reutlingen
09:40–09:50	**Entwicklung eines Multiplex-Analysers zur Bestimmung von Stoffwechselmetaboliten** Andreas Zucker, Biontis GmbH, Geesthacht
09:50–10:00	**Neuartige Nachweistechnologie für niedermolekulare Substanzen** Antje Breitenstein, Scanbec GmbH, Halle (Saale)
10:00–10:10	**Automatisierte Dosis-Wirkungs-Analyse von Ionenkanal-Targets** Niels Fertig, Nanion Technologies GmbH, München
10:10–10:20	**Entwicklung eines Kits zur Bestimmung von TSH-Rezeptor-Autoantikörpern** Ulrich Loos, KreLo GmbH Medical Diagnostics, Ulm
10:20–10:30	**Erprobung einer neuartigen Aufreinigungsmatrix für Protein-Wirkstoffe** Joachim Bertram, IBA GmbH, Göttingen

10:30–10:40 **Entwicklung einer Methode zur Präselektion von Antikörper-Klonen**
Ursula Dahmen-Levison, AOKIN AG, Berlin

10:40–10:50 **Regenerationsbiologische Untersuchungen mit niedermolekularen Verbindungen am Innenohr**
Hubert Löwenheim, Eberhard-Karls-Universität Tübingen

Vorträge II: Diagnostik

11:00–11:10 **Testsystem zur Diagnostik von Humanen Papillomviren in Körperproben**
Stanislav Gorbulev, VIROACTIV & VIROFEM GmbH, Wiesbaden

11:10–11:20 **Entwicklung einer in vitro-Methode zur Bestimmung von Tetanus-Toxizität**
Heike Behrensdorf-Nicol, Paul-Ehrlich-Institut, Langen

11:20–11:30 **Verfahren zur Vermehrung von DNA unter Bewahrung ihres Methylierungsmusters**
Jürgen Distler, Epigenomics AG, Berlin

11:30–11:40 **Multi-Target Lateral-Flow-Device als Detektionsplattform für die molekulare Diagnostik**
Frank Schwieger, Amodia-Bioservice-GmbH, Braunschweig

11:40–11:50 **Entwicklung von Assays zur Detektion viraler Erreger**
Despina Tougianidou, 4base lab GmbH, Reutlingen

11:50–12:00 **Prädiktive Plasmaproteommuster von Patienten mit Dickdarmkrebs**
Friedrich Lottspeich, Max-Planck-Institut für Biochemie, Martinsried

12:00–12:10 **Entzündungsspezifische DNA- und Protein-Arrays für das Interaktionsscreening in Gefäßen**
Stefan Schreiber, Conaris Research Institute AG, Kiel

12:10–12:20 **Messsystem zur Erkennung einer intrauterinen Infektion bei Schwangeren**
Michael Matallana-Kielmann, MATEST Systemtechnik GmbH, Mössingen

12:20–13:00 **Posterpräsentationen I**

13:00–13:30 **Finanzierungsoptionen durch den High-Tech Gründerfonds**
Marco Winzer, High-Tech Gründerfonds Management GmbH, Bonn

Vorträge III: Bionik – Materialien & Werkstoffe

13:30–13:40 **Perlmutt – Vorbild für nachhaltig zukunftsfähige Werkstoffe**
Georg Grathwohl, Universität Bremen, Bremen

13:40–13:50 **Wundheilung bei Pflanzen als Ideengeber für selbstreparierende technische Materialien**
Olga Speck, Albert-Ludwigs-Universität, Freiburg i.B.

13:50–14:00 **Rekombinante Herstellung und Verspinnung von Spinnenseide**
Thomas Scheibel, Technische Universität, Garching

14:00–14:10 **Eine außergewöhnliche Klebzunge bei Insekten als Vorbild für viskose Klebstoffe**
Lars Koerner, Eberhard-Karls-Universität, Tübingen

14:10–14:20 **Separation mariner Mikrogelpartikel an bionisch optimierten High impact-Filtergeweben**
Christof Baum, Alfred-Wegener-Institut, Bremerhaven

14:20–14:30 **Bionisch inspirierte hocheffektive Feinst-Tropfenabscheidung**
Jamal Sarsour, Deutsche Institute für Textil- und Faserforschung, Denkendorf

14:30–14:40 **Übertragung des Konzepts der Matrixeinbettung von Pflanzenfasern auf Faserverbundwerkstoffe**
Ingo Burgert, MPI für Kolloid- und Grenzflächenforschung, Golm

14:30–14:40 **Enzymatische Vernetzung der Haut zur Ledererzeugung**
Jens Zotzel, N-Zyme BioTec GmbH, Darmstadt

Vorträge IV: Bionik – Strukturen & Oberflächen

15:00–15:10 **Ammoniten-basierte fraktale Schalenversteifungen zur Verstärkung von Außenhäuten**
Christian Hamm, Alfred-Wegener-Institut, Bremerhaven

15:10–15:20 **Strukturoptimierte, schockabsorbierende Transportpalette aus Naturfaserverbundstoff**
Olga Speck, Albert-Ludwigs-Universität, Freiburg i.B.

15:20–15:30 **Biomimetische Frostschutzoberflächen auf Basis peptidfunktionalisierter Lacke**
Ingo Grunwald, Fraunhofer-IFAM, Bremen

15:30–15:40 **Bionischer Oxygenator nach dem Vorbild der Lunge von Säugetieren**
Leonid Goubergrits, Charité – Universitätsmedizin, Berlin

15:40–15:50 **Adhäsion und Ablösung von Ölen auf Kutikulaoberflächen spezialisierter Insekten**
Andreas Scherrieble, Deutsche Institute für Textil- und Faserforschung, Denkendorf

15:50–16:00 **Selbstschärfende Messer für das Schneiden von Kunststoffbauteilen**
Marcus Rechberger, Fraunhofer-Institut UMSICHT, Oberhausen

16:00–16:10 **Biologisch inspirierte Schutzschichten gegen die Ausbreitung von Insekten in Wohnanlagen**
Christoph Neinhuis, Technische Universität Dresden

16:10–16:20 **Haftungsmechanismen der Blätter von Spreizklimmern als Ideengeber für innovative Haftsysteme**
Friederike Gallenmüller, Albert-Ludwigs-Universität, Freiburg i.B.

Vorträge V: Bionik – Sensorik & Robotik

16:30–16:40 **Flugkontrollstrategien der Insekten als Vorbild für die Steuerung von autonomen Mikro-Flugrobotern**
Fritz-Olaf Lehmann, Universität Ulm

16:40–16:50 **Bionischer Farbsonar – die nächste Generation der Ultraschalldiagnostik**
Rudolf Bannasch, Evologics GmbH, Berlin

16:50–17:00 **Biomimetische Roboter – Robotische Biene für die Forschung und Landminensuche**
Randolf Menzel, Freie Universität Berlin

17:00–17:10 **Taktile Objektlokalisation – Insektenfühler für Explorationsroboter**
Volker Dürr, Universität Bielefeld

17:10–17:20 **Erzeugung natürlicher Bewegungsabläufe am Beispiel zweibeiniger Laufroboter**
Karsten Berns, Technische Universität, Kaiserslautern

17:20–17:30 **Absorptionshaare der Bromeliaceen – Biologisches Vorbild für ein selbstregulierendes Ventil**
Anita Roth-Nebelsick, Eberhard-Karls-Universität, Tübingen

Mittwoch/*Wednesday*, 08.10.2008

Vorträge VI: Systembiologie & Bioinformatik

09:30–09:40 **PhysioSim – ein in-silico Krankheitsmodell zum Typ-2-Diabetes**
Arif Malik, MicroDiscovery GmbH, Berlin

09:40–09:50 **Bioinformatik zur funktionellen Analyse von Säugetiergenomen**
Hans-Werner Mewes, Helmholtz Zentrum München, Neuherberg

09:50–10:00 **Evaluierung eines interagierenden 3D Testsystems als Krankheitsmodell der rheumatoiden Arthritis**
Michael Sittinger, Charité – Universitätsmedizin, Berlin

10:00–10:10 **Einsatz eines 3D-Zellkulturmodells im industriellen Anti-Tumor-Wirkstoff Screening-Prozess**
Leoni Kunz-Schughart, Technische Universität Dresden

10:10–10:20 **BCB: Analyse von Genexpressiondaten sowie Modellanpassung durch Hochdurchsatzexperimente**
Jürgen Kleffe, Charité – Universitätsmedizin, Berlin

10:20–10:30 **Intergenomics – Bioinformatische Modellierung der Wechselwirkung von Genomen**
Edgar Wingender, Georg-August-Universität, Göttingen

10:30–10:40 **Ein bildgebendes Hochdurchsatzverfahren zur Modellierung von Endozytoseprozessen**
Rainer Fischer, Rheinisch-Westfälische Technische Hochschule, Aachen

Vorträge VII: Regenerative Medizin

11:00–11:10 **Qualitäts- und Sicherheitsanforderungen an humane Stammzellen im Tissue-Engineering**
Egbert Flory, Paul-Ehrlich-Institut, Langen

11:10–11:20 **Generierung neuraler Progenitorzellen und neuronaler Zellen aus Stammzellen**
Thomas Gasser, Eberhard-Karls-Universität, Tübingen

11:20–11:30 **Weiterentwicklung der kardialen Stammzelltherapie mit Knochenmarkszellen**
Christoph Piechaczek, Miltenyi Biotec GmbH, Bergisch-Gladbach

11:30–11:40 **Herstellung von Gewebeersatz unter Verwendung einer kollagenen Matrix aus mariner Quelle**
Judith Renger, CRM – Coastal Research & Management, Kiel

11:40–11:50 **Bioresorbierbare Kollagenleitfasern für die Nervenregeneration**
Burkhard Schloßhauer, Eberhard-Karls-Universität, Reutlingen

11:50–12:00 **Unterstützung der Geweberegeneration von Transplantat-Empfängern durch neue Wirkstoffe**
Karl-Heinz Wiesmüller, EMC microcollections GmbH, Tübingen

12:00–12:10 **Regeneration peripherer Nervendefekte durch Kollagenmatrices mit definierter Röhrenstruktur**
Sven Möllers, Matricel GmbH, Herzogenrath

12:20–13:00 **Posterpräsentationen II**

13:00–13:30 **Finanzierungsoptionen durch den High-Tech Gründerfonds**
Marco Winzer, High-Tech Gründerfonds Management GmbH, Bonn

Vorträge VIII: Wirkstoffentwicklung

13:30–13:40 **Integration genombasierter Naturstoff-Forschung und Antikörpertechnologie zur Pharma-Entwicklung**
Andreas Vente, Combinature Biopharm AG, Berlin

13:40–13:50 **Entwicklung einer neuartigen Screening Methode und deren Anwendung in der Medikamentenentwicklung**
Gitte Neubauer, Cellzome AG, Heidelberg

13:50–14:00 **Entwicklung neuer Wirkstoffe gegen die Biofilmbildung auf Gewebeimplantaten**
Christoph-M. Pfefferle, Sourcon-Padena GmbH & Co. KG, Tübingen

14:00–14:10 **Drug Target Identifikation durch kausale Interpretation von Genexpressionsdaten**
Alexander Kel, BIOBASE GmbH, Wolfenbüttel

14:10–14:20 **Hochdurchsatz-Strukturanalyse von M. tubercolosis Zielproteinen und ihrer Ligandenkomplexe**
Hartmut Oschkinat, Forschungsinstitut für Molekulare Pharmakologie, Berlin

14:20–14:30 **Erforschung von anti-cholestatisch wirksamen Substanzen zur Therapie von Primärer Biliärer Cirrhose**
Ulrich Deuschle, PheneX Pharmaceuticals AG, Ludwigshafen

14:30–14:40 **HELENA – Hochdurchsatz Elektrophysiologie im Nanoformat**
Richard Wagner, Universität Osnabrück

14:40–14:50 **Ein neues Peptid für die verstärkte Vermehrung blutbildender Stammzellen**
Boris Fehse, Universität Hamburg

Vorträge IX: Innovative Therapiestrategien

15:00–15:10 **Therapeutische Vakzinierung gegen Multiple Sklerose**
Karl-Heinz Wiesmüller, EMC microcollections GmbH, Tübingen

15:10–15:20 **Strategien gegen Proteinfaltungserkrankungen**
F. Ulrich Hartl, Max-Planck-Institut für Biochemie , Martinsried

15:20–15:30 **Entwicklung neuer chemotherapeutischer Medikamente zur Behandlung von Autoimmunerkrankungen**
Andreas Wuzik, 4SC AG, Martinsried

15:30–15:40 **Entwicklung und Validierung einer neuartigen Immunisierungsstrategie**
Christoph Metzger-Boddien, AnDiaTec GmbH & Co. KG, Kornwestheim

15:40–15:50 **Arzneimitteltherapie durch externe Magnetfelder und Schockwellen**
Andreas Lübbe, Medizinisches Zentrum, Bad Lippspringe

15:50–16:00 **Stabilisierung von Überstrukturen in DNA-Oligonukleotiden mit immunmodulierendender Wirkung**
Andreas Bock, Phenion GmbH & Co. KG, Düsseldorf

16:00–16:10 **Hemmung der PKC-alpha Isoform zur Prävention einer diabetischen Neuropathie**
Jan Menne, Diamus GmbH, Hannover

16:10–16:20 **C5a Rezeptor Antagonisten als neuer therapeutischer Ansatz zur Behandlung von Morbus Crohn**
Gerd Hummel, Jerini AG, Berlin

Vorträge X: Therapiestrategien Onkologie

16:40–16:50 **Identifizierung, Selektion und Validierung von Tumor-assoziierten Peptiden von Magenkarzinomen**
Harpreet Singh, Immatics Biotechnologies GmbH, Tübingen

16:50–17:00 **Entwicklung eines Sequenz-stabilisierten RNA-Impfstoffs gegen Krebserkrankungen**
Ingmar Hoerr, CureVac GmbH, Tübingen

17:00–17:10 **Entwicklung eines therapeutischen Antikörpers zur Eliminierung von Knochenmetastasen**
Franz Paul Armbruster, Armbruster Biotechnology GmbH, Bensheim

17:10–17:20 **Eine neuartige Verbindung von Genom- und funktioneller Proteomanalyse**
Andreas Weinzierl, Immatics Biotechnologies GmbH, Tübingen

17:20–17:30 **Therapeutische Isolierung peptid-spezifischer T-Zellen für den adoptiven Transfer**
Harpreet Singh, Immatics Biotechnologies GmbH, Tübingen

Donnerstag/*Thursday*, 09.10.2008

Vorträge XI: Funktionsanalysen & Biochips

09:30–09:40 **Entwicklung eines Adenoviralen siRNA Kinom Chip**
Frank Weise, Eberhard-Karls-Universität, Tübingen

09:40–09:50 **Proteomweite Analyse membrangebundener Proteine (ProAMP)**
Lars-Oliver Essen, Philipps-Universität, Marburg

09:50–10:00 **Entwicklung neuer Technologien zur Funktionsanalyse von Ionenkanälen, Ionenpumpen und Transportern**
Henning Vollert, BioActive Food GmbH, Bad Segeberg

10:00–10:10 **Elasto-optischer Biosensor auf Nanostrukturbasis (ELOBIS)**
Lars Dähne, Capsulution Nanoscience AG, Berlin

10:10–10:20 **Neue Fluoreszenzmarkierungen für die Real-time PCR für den Nachweis von Krankheitserregern**
Robert-Matthias Leiser, NExtTec GmbH, Leverkusen

10:20–10:30 **Schaffung einer modularen automatisierten Technologieplattform für komplexe biologische Assays**
Martin Winter, accelab GmbH, Kusterdingen

10:30–10:40 **Entwicklung einer vollautomatischen Pilot-Produktionsplattform für artifizielle DNA-Moleküle**
Heinz Schwer, Sloning BioTechnology GmbH, Puchheim

10:40–10:50 **Netzwerk RNA-Technologien**
Leo W. Tristram, RiNA GmbH, Berlin

Vorträge XII: Medizin & Umwelt

11:00–11:10 **Humanisierte Mausmodelle für fremdstoffmetabolisierende Enzyme**
Walter Meinl, Deutsches Institut für Ernährungsforschung, Bergholz-Rehbrücke

11:10–11:20 **DNA-Addukte zur Beurteilung der Sicherheit konventioneller und neuartiger Lebensmittel**
Hans-Rudolf Glatt, Deutsches Institut für Ernährungsforschung, Bergholz-Rehbrücke

11:20–11:30 **Analyse hepatotoxischer Wirkungsmechanismen zur Prädiktion kanzerogener Wirkungen von Stoffen**
Axel Oberemm, Bundesinstitut für Risikobewertung, Berlin

11:30–11:40 **Funktionelle Analyse genetisch veränderter Mäuse**
Hermann Haller, Medizinische Hochschule Hannover

11:40–11:50 **Vermeidung von In-vivo-Lungenfunktionsmessungen in pharmakologischen Untersuchungen**
Armin Braun, Fraunhofer-ITEM, Hannover

11:50–12:00 **Weiterentwicklung eines in vitro-Embryotoxizitätstests mit embryonalen Stammzellen der Maus**
Andrea Seiler, Bundesinstitut für Risikobewertung, Berlin

12:00–12:10 **Genetische Grundlagen der Langlebigkeit**
Almut Nebel, Christian-Albrechts-Universität, Kiel

12:10–12:20 **Biokorrosions-Simulator zur Untersuchung von Korrosionsprozessen in medizinischen Implantaten**
Frank Witte, Medizinische Hochschule Hannover

12:20–13:00 **Posterpräsentationen III**

13:00–13:30 **Finanzierungsoptionen durch den High-Tech Gründerfonds**
Caroline Fichtner, High-Tech Gründerfonds Management GmbH, Bonn

Vorträge XIII: Optimierung von Nutzpflanzen

13:30–13:40 **Genomik der Kühletoleranz bei Mais**
Thomas Presterl, KWS Saat AG, Einbeck

13:40–13:50 **Genexpression-Netzwerke zur Bestimmung nutzungsrelevanter Merkmale des Getreidesamens**
Winfriede Weschke, Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben

13:50–14:00 **Identifizierung von Markergenen der Keimungseffizienz und Feldaufgangsqualität bei der Zuckerrübe**
Uwe Fischer, KWS Saat AG, Einbeck

14:00–14:10 **Identifizierung und Charakterisierung von Genen für quantitative Pathogen-Resistenz in Kartoffeln**
Christiane Gebhardt, Max-Planck-Institut für Züchtungsforschung, Köln

14:10–14:20 **Nutzung der natürlichen Diversität der Weinrebe für verbesserte Resistenz und Qualität**
Eva Zyprian, Bundesanstalt für Züchtungsforschung an Kulturpflanzen, Siebeldingen

14:20–14:30 **Untersuchung der natürlichen Variabilität von Fruchtentwicklung und -qualität in Tomaten**
Alisdair Fernie, Max-Planck-Institut für molekulare Pflanzenphysiologie, Golm

14:30–14:40 **Qualitätsverbesserung von Reis für Stressresistenz und ernährungsphysiologische Eigenschaften**
Joachim Kopka, Max-Planck-Institut für molekulare Pflanzenphysiologie, Golm

14:40–14:50 **Verknüpfung von Genomforschung und genetischer Diversität: Merkmalsvariation bei Gerste und Roggen**
Hartwig H. Geiger, Universität Hohenheim, Stuttgart

Vorträge XIV: Funktionelle Pflanzengenomik

15:00–15:10 **Auswirkungen von Modifikationen des Lignin-Signaltransduktionsweges auf die Pathogenresistenz**
Nikolaus Schlaich, Rheinisch-Westfälische Technische Hochschule, Aachen

15:10–15:20 **Übertragung der funktionalen Genomik-Technologie von Arabidopsis auf Anbaupflanzen**
Dierk Scheel, Leibniz-Institut für Pflanzenbiochemie, Halle (Saale)

15:20–15:30 **Identifizierung neuer Promotoren für die Herstellung pilzresistenten Weizens**
Tom Wetjen, BASF Plant Science GmbH, Limburgerhof

15:30–15:40 **Charakterisierung von Genen, die Anpassungseigenschaften von Waldbäumen bestimmen**
Barbara Vornam, Georg-August-Universität, Göttingen

15:40–15:50 **Vergleichende Genomforschung zur Regulation der Meristemaktivität bei Nachtschattengewächsen**
Uwe Sonnewald, Friedrich-Alexander-Universität, Erlangen

15:50–16:00 **Genomik und Proteomik des pflanzlichen Stickstoff-Stoffwechsels und der Membrantransportproteine**
Ulf-Ingo Flügge, Universität zu Köln

16:00–16:10 **Funktionelle Genomik von endogenen kleinen RNAs, die durch Stress in Pflanzen induziert werden**
Hans-Werner Mewes, Helmholtz-Zentrum München, Oberschleißheim

Vorträge XV: Verarbeitung von Pflanzengenom-Daten

16:30–16:40 **Eine Plattform zur Aufarbeitung von Datensätzen aus Transkriptom- und Metabolom-Analysen**
Mark Stitt, Max-Planck-Institut für molekulare Pflanzenphysiologie, Golm

16:40–16:50 **Anwendbarkeit von Assoziationstests und deren Effizienzsteigerung für die Pflanzenzüchtung**
Thomas Altmann, Universität Potsdam, Potsdam

16:50–17:00 **Bioinformatik im Dienst der Pflanzenzüchtung**
Heinrich Wortmann, HYBRO Saatzucht GmbH & Co KG, Schenkenberg

17:00–17:10 **Bioinformatik-Ressource für die Pflanzengenomforschung**
Hans-Werner Mewes, Helmholtz-Zentrum München, Oberschleißheim

17:10–17:20 **Etablierung eines Netzwerkes samenspezifischer Genexpression und Analyse seiner Biodiversität**
Helmut Bäumlein, Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben

17:20–17:30 **Aufbau einer zentralen Plattform zur Untersuchung von Leitgen-Funktionen in Feldfrüchten**
Thomas Altmann, Universität Potsdam, Potsdam

BioPolitics

Biopolitik-Konferenz / *Biopolitics Conference*
Convention Center (CC), Saal/Room 2
Dienstag / Tuesday 07.10.2008, 09:00–12:45 Uhr/hrs

Das interdisziplinäre Treffen der Biotechnologiebranche
Die Biopolitik-Konferenz ist das interdisziplinäre Treffen der Biotech-Branche. In parallelen Workshops werden Thesen zu den dringendsten und wichtigsten Themen der Biotechnologie-Branche diskutiert, verabschiedet und später in einem Tagungsband veröffentlicht. Das anschließende Plenum bietet die Plattform für die Darstellung der Ergebnisse, die Vorstellung der politischen Rahmenbedingungen, die Verleihung des Innovationspreises der Bioregionen und die Würdigung der patentierten Geschäftsideen der Gewinner.

The Interdisciplinary Meeting of the German Biotechnology Industry
The Biopolitics Conference serves as an international "meeting of the minds" for the entire biotech sector. In a series of parallel workshops, the most pressing topics affecting today's biotech industry will be explored in depth. The conclusions drawn will then be presented at a plenary discussion and later published in a communiqué. Any policies identified as pivotal will also be presented. A prize-giving ceremony for the Bioregion Innovation Award will be staged and the winning patents honored.

Veranstalter/ *Organizer*	Deutsche Messe AG Messegelände D-30521 Hannover in Zusammenarbeit mit: BIO Deutschland, AK der Bioregionen, BPI, VCI/DIB, VFA Bio, DECHEMA/VBU
Sprache/ *Language*	Workshops: Deutsch oder Englisch / German or English Plenum/Plenary Session: Deutsch-Englisch (Simultanübersetzung) German-English (simultaneous translation)
Teilnahme/ *Participation*	Teilnahmegebühr inkl. gesetzl. MwSt. und Messeeintrittskarte: 140,00 EUR Industrie / 90,00 EUR Hochschulen / 60,00 EUR Studenten Anmeldung erforderlich über Deutsche Messe AG, online unter http//:www.biotechnica.de/kon oder am "Registration desk" im Convention Center *Participation fee incl. V.A.T. and entrance ticket to the fair:* *140,00 EUR Industry / 90,00 EUR Academia / 60,00 EUR Students* *Registration required via Deutsche Messe, online at http//:www.biotechnica.de/con or at the Registration desk in the Convention Center*
Kontakt/ *Contact*	Dr. Pablo Serrano (BIO Deutschland) Telefon: +49 30 3450593-30 Fax: +49 30 3450593-59 E-mail: serrano@biodeutschland.org

Workshops

09:00–10:30
Saal 108–110

HR/Talente: Chancen und Risiken einer Karriere in der Biotechnologie
Human Resources: A Career in Biotechnology – Opportunities and Challenges
Chair: Prof. Dr. Sabine Köpper, PKCie – Management Consultants GbR;
Co-Chair: Gerald Böhm, IGZ BioMed/ZmK Würzburg;
Referenten: Prof. Dr. Peter Stadler, TaconicArtemis GmbH; Dr. Hans Dietrich von Loeffelholz, Bundeamt für Migration; Jürgen Kosch, MIG AG

09:00–10:30
Saal 13

Technology Transfer: Seek, Find, Incubate – Tech Transfer Unplugged
Chair: Prof. Dr. Horst Domdey, BioM Biotech Cluster Development GmbH;
Co-Chair: Dr. Jens Katzek, BioMitteldeutschland GmbH;
Referenten: Dr. Dieter Treichel, Max-Planck-Innovation GmbH;
Dr. Johannes Velling, Bundesministerium für Wirtschaft und Technologie

09:00–10:30
Saal 14

Finanzen und Steuern: Eigenkapital und die Mobilisierung von Forschungsinvestitionen in innovativen Branchen
Finance and Taxation: Equity and the Mobilisation of Investments in Research in Innovative Industries
Chair: Dr. Jan Schmidt-Brand, Heidelberg Pharma AG;
Co-Chair: Dr. Kai Uwe Bindseil, BioTOP Berlin-Brandenburg;
Referenten: Udo Neuhäußer, Bundesministerium für Wirtschaft und Technologie; Enno Spillner, 4SC AG; Prof. Dr. Dirk Honold, Brain AG

09:00–10:30
Saal 15

Unternehmertum: Mehr Sinn für Unternehmertum und naturwissenschaftliche Wertschöpfung in Deutschland
Entrepreneurship: Greater Appreciation for Entrepreneurship and Value Added by the Sciences in Germany
Chair: Dr. Karsten Henco, Vorstandsvorsitzender, Neurimmune AG;
Co-Chair: Dr. Martin Pfister, Biosaxony;
Referenten: Dr. Herbert Stadler, Affectis Pharmaceuticals AG;
Prof. Dr. Vera Kallmeyer, Stanford University; Engelbert Beyer, Bundesministerium für Bildung und Forschung

09:00–10:30
Saal 16

Gesundheitsökonomie: Innovation in der Medizin im Spannungsfeld von Kosten & Nutzen und Erstattung
Health Economics: Innovations in Medicine between Cost/Benefit and Reimbursement
Chair: Dr. Peter Heinrich, MediGene AG;
Co-Chair: Detlef Terzenbach, Biotec Hessen;
Referenten: Christoph Vauth, Leibniz Universität Hannover;
Ulrich Dietz, Bundeministerium für Gesundheit; Martin Völkl, Celgene GmbH

09:00–10:30
Saal 17

Geistiges Eigentum: Fairer Patentschutz für den innovativen Mittelstand in Europa
Intellectual Property: Fair Patent Protection for Small and Medium-Sized Companies in Europe
Chair: Dr. Rainer Wessel, Ganymed Pharmaceuticals AG;
Co-Chair: Dr. Albrecht Läufer, Corvay GmbH;
Referenten: Dr. Martin Pöhlchen, Revotar Pharmaceuticals AG;
Dr. Stefan Walz, Bundesministerium der Justiz; Dr. Constanze Ulmer-Eilfort, Baker & McKenzie

09:00–10:30
Saal 18

Advanced Therapies: Medizin für Fortgeschrittene – Auf der Suche nach neuen Behandlungsmethoden für bisher unheilbare Krankheiten
Advanced Therapy: Looking for New Treatments for Incurable Diseases
Chair: Dr. Andrea Schilz, EUFETS AG; Co-Chair: Dr. Kathrin Adlkofer, Norgenta GmbH; Referenten: Prof. Dr. Felicia Rosenthal, CellGenix GmbH; Dr. Andreas Emmendörffer, Euroderm Biotech GmbH, Dr. Heinz W. Joseph, TETEC AG

09:00–10:30
Saal 104

Biosecurity: Sicherheit biotechnologischer Dienstleistungen in globalen Märkten
Biosecurity: The Security of Biotechnology Services in Global Markets
Chair: Dr. Heinz Schwer, Sloning BioTechnology GmbH;
Referenten: Markus Fischer, Entelechon GmbH; Dr. Iris Hunger, Universität Hamburg; Dr. Walter Biederbeck, Robert-Koch-Institut (angefragt)

10:30–10:45

Kaffeepause

Saal 2

10:45–10:50

Begrüßung und Moderation
Dr. Kai Uwe Bindseil, BioTOP Berlin-Brandenburg

10:50–11:10

Programmatische Rede der Bundesregierung
Staatssekretär Michael Thielen
Bundesministerium für Bildung und Forschung

11:10–12:10

Vorstellung der in den Workshops erarbeiteten Thesen für bessere Rahmenbedingungen für Innovationen in und aus Deutschland durch die jeweiligen Vorsitzenden

12:10–12:40

Verleihung des Innovationspreises der BioRegionen
BioRegion Awards Ceremony

12:40–12:45

Schlusswort / ***Closing Remarks***
Dr. Kai Uwe Bindseil, BioTOP Berlin-Brandenburg

EU BIOTECH DAYS 2008 (I) – Conference of the European Parliament
Convention Center (CC), Saal/Room 1 B
Dienstag/Tuesday 07.10.2008, 10:30–16:00 Uhr/hrs

Podiumsdiskussion mit dem Europäischen Parlament und Vertretern aus der Industrie
Hochkarätige Mitglieder des Europäischen Parlaments in Brüssel diskutieren in dieser "2+1"-Podiumsdiskussion mit wichtigen Vertretern aus der Biotech-Industrie über Globalisierung und GMOs, die EU Klimaziele, die Europäische Börsenlandschaft und adulte Stammzellen.

European Parliament Panel Discussion with Representatives from the Industry
High carat Members of the European Parliament in Brussels will participate in a"2+1" panel discussion to talk with CEOs from the Biotech industry about Globalisation and GMO´s, EU climate targets, Europe´s stock markets and adult stem cells

Veranstalter/ *Organizer*	Deutsche Messe AG, Brussels office Rue Montoyer 61, B-1000 Brussels in cooperation with: European Parliament (EP), Brussels/Belgium
Sprache/ *Language*	Englisch / English

Teilnahme/ *Participation*: *Participation free of charge to BIOTECHNICA ticket holders. Registration requested via Deutsche Messe with "REGISTRATION FORM BIOTECHNICA CONFERENCES 2008" online at http//:www.biotechnica.de/con or at the Registration desk in the Convention Center*

Kontakt/ *Contact*:
Oliver Wedekind
Telefon: +32-2/235-7247
Fax: +32-2/235-7248
E-mail: oliver.wedekind@messe.de

Sonja Wicke
Telefon: +49 511/89 31349
E-mail: sonja.wicke@messe.de

09:30–10:30 **Registration in the foyer of Convention Center "Registration Biotechnica Conferences"**

Moderation: **Dr. Jens A. Katzek,** Managing Director of BIO Mitteldeutschland GmbH, Halle

10:30–11:30 **Globalization and uniform markets**
Member of the European Parliament:
Erika Mann (Socialist Group)
Member in the Committee on International Trade (INTA) and on the Delegation for Relations with the United States (D-US), Substitute in the Committees on Industry, Research and Energy (ITRE) and Budgetary Control (CONT)
Member of the Industry:
Dr. Léon Broers
Member of the Board of KWS Saat AG, Einbeck

Moderation: **Dr. Dirk Carrez,** Director Public Policy and Industrial Biotech of The European Associations for Bioindustries (EuropaBio), Brussels

11:30–12:30 **EU climate targets**
Member of the European Parliament:
Rebecca Harms (Group of the Greens)
Vice-Chairwoman in the Committee on Climate Change (CLIM), Member in the Committee on Industry, Research and Energy (ITRE), Substitute in the Committee on the Environment, Public Health and Food Safety (ENVI)
Member of the Industry:
Thomas Gameson
Government and Public Affairs Manager of Abengoa Bioenergy S.A., Sevilla

Moderation: **Christoph Hardt,** Editor of the Companies & Markets Section of HANDELSBLATT, Düsseldorf

14:00–15:00 **Europe's fragmented stock markets**
Member of the European Parliament:
Dr. Christian Ehler (Christian Democrats Group) tbc
Member in the Committee on Economic and Monetary Affairs (ECON),Substitute in the Committee on Industry, Research an Engergy (ITRE)
Member of the Industry:
Prof. Dr. Olaf G. Wilhelm
Chief Executive Officer and Chairman of the Executive Management Board of WILEX AG, München

Moderation: **Prof. Dr. Detlev Ganten,** Chairman of the Executive Board of Charité, Berlin

15:00–16:00 **Adult stem cells**
Member of the European Parliament:
Dr. Alojz Peterle (Christian Democrats Group)
Member in the Committee on Foreign Affairs (AFET) and on the Subcommittee on Human Rights (DROI), Substitute in the Committee on the Environment, Public Health and Food Safety (ENVI)
Member of the Industry:
Dr. Nico Forraz
Head of Scientific Dpt. of Cryo-Save Group NV, Zutphen

EU BIOTECH DAYS 2008 (II) – Conference of the European Commission
Convention Center (CC), Saal/Room 1 B
Mittwoch / Wednesday 08.10.2008, 10:00–16:00 Uhr/hrs

Biotechnologies: Leading Technologies for Lead Markets of Tomorrow
Hochkarätige Mitglieder der Europäischen Kommission in Brüssel diskutieren in mehreren Fachvorträgen aus den Generaldirektionen Forschung (Kommissar Potocnik) und Unternehmen & Industrie (Kommissar Verheugen) über die Biotech- und Health-Aktivitäten der EU.

High carat Members of the European Commission in Brussels will participate with a series of Biotech and Health-lectures by the two DG's Research (Commissioner Potocnik) and Enterprise & Industry (Commissioner Verheugen)

Veranstalter/ *Organizer*: Deutsche Messe AG, Brussels office
Rue Montoyer 61, B-1000 Brussels
in cooperation with:
European Commission (DG Enterprise & Industry/DG Research), Brussels/Belgium

Sprache/ *Language*: Englisch / English

Teilnahme/ *Participation*: *Participation free of charge to BIOTECHNICA ticket holders. Registration requested online at http//:www.biotechnica.de/com or at the Registration desk in the Convention Center*

Kontakt/ *Contact*:
Oliver Wedekind
Telefon: +32-2/235-7247
Fax: +32-2/235-7248
E-mail: oliver.wedekind@messe.de

Food, Feed, Fibre, Fuel: Just Competitors or Drivers of Innovation in Europe?

Moderation: **Dr. Christian Patermann,** Former Director of Biotechnology (DG for Research)

09:00–10:00 **Registration in the foyer of Convention Center "Registration Biotechnica Conferences"**

10:00–10:30 **Dr. Waldemar Kuett**
Deputy Head of Cabinet of Commissioner Janez Potocnik

10:30–11:00 **Dr. Thomas Heinemeier**
Policy Officer for Innovation (DG for Enterprise & Industry)

11:00–11:30 **Dr. Alfredo Aguilar**
Head of Unit Biotechnologies (DG for Research)

11:30–12:00 **Dr. Christian Patermann**
Former Director of Biotechnology (DG for Research)

Health and Biotechnology: New Trends and Perspectives and the Role of International Cooperation

Moderation:	**Dr. Christian Patermann,** Former Director of Biotechnology (DG for Research)
14:00–14:30	**Dr. Irene Sacristán Sánchez** Deputy Head of Unit Pharmaceuticals (DG for Enterprise & Industry)
14:30–15:00	**Dr. John Purves** Head of Sector Quality of Medicines of European Medicines Agency (EMEA)
15:00–15:30	**Dr. Arnd Hoeveler** Head of Unit Health Biotechnology (DG for Research)
15:30–16:00	**Dr. Alessio Vassarotti** Scientific Officer and Coordinator for Life Sciences (DG for Research)

BioBusiness

Miniaturisierte Biosystemtechnik: Innovation für Diagnostik & Pharma

Miniaturized biosystems technology – Innovations for diagnostics&pharmaceuticals

Convention Center (CC), Saal/Room 3

06.10.2008, 13:00–18:00 Uhr/hrs – 07.10.2008, 09:00–16:30 Uhr/hrs

Die Mikrosystemtechnik ist eine Querschnittstechnologie, in deren Mittelpunkt die Miniaturisierung technischer Komponenten und Geräte steht. In zunehmendem Maße wird die Mikrosystemtechnik in Geräten oder Technologieplattformen zum Einsatz gebracht, die für die medizinische Diagnostik oder für die Arzneimittelentwicklung verwendet werden. Die Veranstaltung stellt eine Reihe innovativer Konzepte vor und erörtert Herausforderungen im Zuge ihrer Entwicklung und Vermarktung.

Microsystems technology is a cross-sectional technology centred on the miniaturisation of technical components and devices. Increasingly, microsystems technology is being applied in devices and technology platforms used for medical diagnostics and drug development. This event will introduce a series of innovative concepts and discuss challenges to be met in the course of their development and marketing.

Veranstalter/ *Organizer*	VDI/VDE-IT Projektträger für das Bundesministerium für Bildung und Forschung Steinplatz 1 D-10623 Berlin
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahmegebühr (6.-7.10.2008) inkl. Messeeintrittskarte am 7.10.2008: 180,00 EUR (zzgl. gesetzl. MwSt.). Anmeldung erforderlich über http://www.mstonline.de/news/events
Kontakt/ *Contact*	Dr. Kristina Hartwig Telefon: +49 30 310078-265 Fax: +49 30 310078-223 E-mail: hartwig@vdivde-it.de

Montag/*Monday*, 06.10.2008

Einführung – Saal 3

14:00–14:15	**Die Hightech-Strategie im Bereich Gesundheit und Demographie: Mikrosysteme bereiten den Weg** Carmen Gehring, Bundesministerium für Bildung und Forschung
14:15–14:30	**Miniaturisierte Biosytemtechnik: Wegbereiter für eine individuelle Medizin** Dr. Kristina Hartwig, VDI/VDE Innovation + Technik GmbH
14:30–15:00	**Impulsvortrag:** **Personalisierte Medizin – Motor für die Diagnostik von morgen?** Dr. Walter Eberle, Roche Diagnostics
15:00–15:30	**Impulsvortrag:** **Miniaturisierung in der Pharmaproduktion** Dr. Sigurd Buchholz, Bayer Technologies Services
15:30–16:00	**Kaffeepause**

Session A: Medikamentenentwicklung und Biomedizinische Forschung – Saal 3 A

16:00–16:20 **Substrate-Integrated Microelectrode Arrays: Innovations for Electrophysiology in Biotechnology and Biomedicine**
K.H. Boven, Multichannel Systems GmbH

16:20–16:40 **Neuartige Mikro- und Nanosysteme für ein zellbasiertes multiparametrisches In-vitro-Monitoring**
Dr. Elke Thedinga, Bionas GmbH

16:40–17:05 **Multiparametrisches Screening-System für pharmakologische Untersuchungen an akuten Gewebeschnitten des Herzens und Gehirns**
Dr. Horst Lohmann, Dr. Lohmann GmbH

17:05–17:25 **Automatisierte Elektrophysiologie – Patch Clamp Messungen auf dem Mikrochip**
Dr. Niels Fertig, Nanion Technologies GmbH

17:25–17:45 **Mikroelektroden- und Mikrokanülen-Arrays zu Messung intrazellulärer Signale von adhärenten Zellen**
Prof. Oliver Paul, Universität Freiburg

Session B: Mobile Diagnostiksysteme – Saal 3 B

16:00–16:20 **AmpliSpeed Technolgie – eine portable PCR-Plattform**
Dr. Wolfgang Mann, Olympus Life Science Research Europa GmbH

16:20–16:40 **Multianalytische Point-of-Care-Diagnoseeinheit für die umfassende Blutdiagnostik**
Dr. Thomas Etterer, Securetec AG

16:40–17:05 **Neue Point-of-Care-Systeme für kardiovaskuläre Erkrankungen**
Dr. Valerie Winckler-Desprez, Roche Diagnostics GmbH

17:05–17:25 **Diagnostik heute, POCT morgen**
Dr. Günter Müller, Microcoat Biotechnologie GmbH

17:25–17:45 **Integrated Microsystems for Sample and Assay Technologies**
Dr. Thomas Rothmann, Qiagen AG

Dienstag/*Tuesday*, 07.10.2008

Session A: Medikamentenentwicklung und Biomedizinische Forschung – Saal 3 A

09:00–09:25 **MST-basiertes Komplettsystem zur Abschätzung toxischer Effekte auf der Basis von Stammzellabgeleiteten Zellen und Geweben**
Dr. Ralf Kettenhofen, Axiogenesis AG

09:25–09:50 **Online-Analytik von Bioprozessparametern für die Medikamentenentwicklung**
Dr. JörgWeber, Analytik Jena AG

09:50–10:15 **Mikrofluidische Plattform zur automatisierten Produktion von radioaktiven Arzneimitteln für die molekulare Bildgebung und patientenspezifische Radiotherapie**
Dr. Christina Hultsch, Bayer Schering Pharma AG

10:15–10:40 **Mikrosystembasierte High-Throughput-Plattform zur Messung der Kontraktions- und Relaxationskraft von kultiviertem Gewebe – Ein neuer technologischer Ansatz zum In-vitro-Drug-Screening**
Prof. Dr. Andreas Pfützner, IKFE GmbH

10:40–11:10 **Kaffeepause**

11:10–11:35 **Bedeutung der Bitterzelle bei Diabetis Mellitus**
Prof. Thomas Forst, IKFE GmbH

11:35–12:00 **Miniaturisierte Kryotechnologie für Biobanken in der Medikamenten-Impfstoffforschung**
Prof. Heiko Zimmermann, FhG-IBMT

12:00–12:25 **SPR-basierte Parameterbestimmung für immunologische In-vitro-Testung von Substanzen mit künstlichen humanen Lymphknoten**
Dr. Christoph Giese, ProBioGen AG

12:25–12:50 **High-content-Screening für die Medikamentenentwicklung**
Dr. Günter Bauer, Perkin Elmer GmbH

12:50–13:50 **Mittagspause**

Session B: Mobile Diagnostiksysteme – Saal 3 B

09:00–09:25 **Tropfenbasierte Systemlösungen für die Lebenswissenschaften *Drop Based System Solutions for the Life Sciences***
Dr. Thomas Henkel, IPHT

09:25–09:50 **microPrep – subcellular fractionation in a fluidic micro system**
Dr. Anton Posch, Bio-Rad Laboratories

09:50–10:15 **Entwicklung eines Mikrofluidiksensors zum Nachweis von glykiertem Hämoglobin (HbA1c)**
Dr. Bernd Gründig, SensLab GmbH

10:15–10:40 **ZentriLab: schnelle Diagnostik von Proteinen und Nukleinsäuren durch zentrifugale Mikrofluidik**
Dr. Hero Brahms, DRG Instruments GmbH

10:40–11:10 **Kaffeepause**

11:10–11:35 **Potenzial der Schwingquarzsensorik zur Inline-Hämostaseprüfung**
Prof. Frank Gehring, TU Tübingen

11:35–12:00 **Portable Diagnostik: Chancen für neuartige Monitoringansätze**
Dr. Harald Mathis, FhG-FIT

12:00–12:25 **Modulare Detektionsplattform für markierungsfreie patientennahe Diagnostik**
Dr. Markus Schubert, Universität Stuttgart

12:25–12:50 **Mikromechanischer Zellaufschluss – Chancen und Risiken**
Erik Jung, FhG-IZM

12:50–13:50 **Mittagspause**

Biosystemtechnik: eine regionale Perspektive (Kompetenznetze Deutschland) – Saal 3

13:50–14:15 **DiagnostikNet Berlin-Brandenburg: Gemeinsam mit den Anwendern zum Erfolg**
Dr. Volker Rosenbaum, DiagnostikNet-BB

14:15–14:40 **Biosystemtechnik in Mecklenburg-Vorpommern – Erfolgreiche Innovationen durch interdisziplinäre Vernetzung**
Dr. Heinrich Cuypers, BioConValley

14:40–15:05 **BoostBiosystems: Internationale Zusammenarbeit im Ostseeraum zur Stärkung der Wettbewerbsfähigkeit**
Frank Graage, Steinbeis-FZ

15:05–15:30 **Die Entwicklung komplexer Diagnostiksysteme im Technologiecluster am Beispiel des ABICart-POC-Systems**
Dr. Peter Miethe, fzmb GmbH

Podiumsdiskussion – Saal 3

15:30–16:30 **Biosystemtechnik: Herausforderungen auf dem Weg von der Idee bis zum Produkt**

BIOTECHNICA INNOVATION FORUM
Hall 9, Forum 1 (booth D65) / Forum 2 (booth G 63)
07.10.2008–09.10.2008, 09:45–17:15 Uhr/hrs

NEU: 2008 direkt im Ausstellungsbereich Halle 9
Das Innovation-Forum dient dem direkten Kontakt zwischen Ihnen als Besucher und den Ausstellern der BIOTECHNICA 2008. Zahlreiche Firmenvorträge geben Gelegenheit, effizient Kontakte zu knüpfen und sich über Innovationen aus erster Hand zu informieren.
Aussteller präsentieren in 25-minütigen Einzelbeiträgen ihr Unternehmen mit innovativen Leistungen und Produkten, aktuelle Trends sowie individuelle und branchenspezifische Lösungen.
Neues Highlight:
Täglich zwischen 12.00 und 14.00 Uhr präsentiert sich das Life Science Spotlight – die Fachgruppe Life Science Research im VDGH – mit top-relevanten Themen der Expressions- und molekularen Lebensmittelanalytik (Ausführliche Informationen unter "Life Science Spotlight").

NEW: location for 2008 in the heart of the exhibition area in Hall 9
The Innovation Forum provides a unique environment for promoting direct contact between visitors and exhibitors at BIOTECHNICA 2008. The wide range of company presentations give you the chance to establish new contacts and find out about the latest innovations from those in the know. Exhibitors has a 25 minute slot in which to introduce their company and gives an insight into innovative services and products, the latest trends and customized and branch-related solutions.
New highlight:
Between 12 noon and 2 p.m. each day, the Life Science Spotlight – the Life Science Research section of VDGH (German Diagnostics Industry Association) – will provide a showcase for the most up-to-date topics from the fields of expression analysis and molecular food analysis (More information see also at "Life Science Spotlight").

Veranstalter/ *Organizer*	Deutsche Messe AG Messegelände D-30521 Hannover
Sprache/ *Language*	Englisch/English or Deutsch/German
Teilnahme/ *Participation*	Die Teilnahme ist kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Jens Bürger Telefon: +49 511 89-33574 Fax: +49 511 89-30998 E-mail: jens.buerger@messe.de

Dienstag/*Tuesday*, 07.10.2008

Biotechnik / *Bioengineering*

09:45–10:10 **How to automate disposables?**
English Jan Rougoor, Siemens AG
Hall 9 – Forum 1 (booth D65)

The increased application of disposables in biopharmaceutica processes poses a challenge for process automation. Is the trend to disposables leading to a decrease of the automation level? what is the new role of automation systems in this scenario?

10:15–10:40 **Introducing DNA2.0**
English Dr. Marc Bruyninx; Dr. Louise Rafty, DNA 2.0 Inc. (USA)
Hall 9 – Forum 1 (booth D65)

DNA2.0, a California company is a global provider of gene synthesis and protein engineering. We will present exciting new applications of gene synthesis and demonstrate our widely used free for download Gene Designer software.

10:45–11:10 **Biotechnology in Poland**
English Prof. Tomasz Twardowski, Polish Federation of Biotechnology
Hall 9 – Forum 1 (booth D65)

Biotechnology in Poland will be described within following topics: legistation including IPR, public acceptance and perception, market and cooperation academia with industry including human factor. In summary SWOT analysis will be presented.

10:45–11:10 **Boehringer Ingelheim's Biopharmaceutical Business – Value through Innovation**
English Dr. Julia Knebel, Boehringer Ingelheim GmbH
Hall 9 – Forum 2 (booth G63)

Boehringer Ingelheim is one of the leading companies for industrial customer manufacturing of Biopharmaceuticals by offering the entire production technology chain in development and production at its biopharmaceutical facilities in Biberach (Germany) and in Vienna (Austria).

14:45–15:10 **Innovationspreis der deutschen BioRegionen 2008**
German Uwe Seidel (Bioindustry e.V.), BIO.NRW
Hall 9 – Forum 1 (booth D65)

Vorstellung der Preisträger

15:45–16:10 **Biointerface – Analysis + Design + Application**
English Prof. Dr. Hiroo Iwata, Kyoto University, BioBridge Kansai
Hall 9 – Forum 1 (booth D65)

BioBridge KANSAI Japan is a comprehensive contact organization in the Kansai`s Life science related industries and academics to show an example of activities. We are organizing a seminar presented by Dr. Hiroo Iwata from "The Institute for Frontier Medical Sciences Kyoto University"

16:15–16:40 **evocatal – Novel Tools For Efficient Biocatalysis**
English Dr. Michael Puls, evocatal GmbH
Hall 9 – Forum 1 (booth D65)

Evocatal is a thriving German biotech-company specialized in enzyme technology. Next to a range of proprietary enzymes (evozymes®) the company provides outstanding solutions for protein expression and secretion. This presentation will give an insight into evocatal`s unique products and technologies.

Bioinformatik, Service / *Bioinformatics, Services*

11:15–11:40 **Use design to add value to your science**
English Alastair Kingsland, Minima Design Limited
Hall 9 – Forum 2 (booth G63)

Presenting your company and your science professionally says a lot about you to customers and potential investors. It is no longer good enough that your science works. It also needs to communicate your uniqueness. Design can be the missing link between companies that get investment and those that don`t.

14:15–14:40 **Synthesis and applications of dicer-substrate RNA duplexes**
English Dr. Brian Sproat, Integrated DNA Technologies
Hall 9 – Forum 1 (booth D65)

Dicer-substrate RNAs have exceptional potency for target validation applications both in vitro and in vivo. Synthesis, purification and analytical methods will be described with emphasis on high purity. Their use as tools in molecular biology and drug development research will be illustrated.

Medizin, Pharmazie / Medical and pharmaceutical applications

14:15–14:40 **Yeast-derived biopharmaceuticals – the economic way from gene to product**
English Prof. Dr. Gerd Gellissen, PharmedArtis GmbH
Hall 9 – Forum 2 (booth G63)

Yeasts, among others H. polymorpha, P. pastoris and S. cerevisiae, are being used by PharmedArtis for the production of biopharmaceuticals and other recombinant proteins. The "universal" yeast vector (CoMedTM) system provides a tool for comparative assessment and thus for an early definition of an optimal yeast platform for a protein of choice.

14:45–15:10 **Modulare Dienstleistungen der hameln rds Biotechnologische Prozessentwicklung**
German Dr. Sabine Glombitza; Heiner Zindel, hameln rds gmbh
Hall 9 – Forum 2 (booth G63)

hameln rds ist Anbieter von Dienstleistungen für den Gesundheitsmarkt (Produktentwicklung und -versorgung, Studien, biotechnologische Prozessentwicklung).
hameln rds is a provider of services for the healthcare market (Product development and supply, studies, biotechnological process development).

Equipment

11:15–11:40 **AxiChrom – a new column platform that brings Lean into your process**
English Sara Corin; Per Karlberg, GE Healthcare Europe GmbH
Hall 9 – Forum 1 (booth D65)

With Intelligent Packing, intuitive handling and predictable scale-up, new AxiChrom™ columns make process chromatography more efficient. Pre-programmed and verified packing methods, a column design with swing out or pivot stand & interactive guidance ensure easier, safer handling and operation.

15:15–15:40 **Biomolecular interaction analysis in real time using Surface Plasmon Resonance imaging (SPRi)**
English Chiraz Frydman, PhD, HORIBA Jobin Yon Gmbh
Hall 9 – Forum 1 (booth D65)

SPRi is an innovative optical technique for the study of bio-interactions such as: DNA-DNA, proteine-DNA, proteine-ligand or peptide-ligand
- label-free bio-molecular interaction analysis
- affinity / binding characterisations
- fast quantification and real-time visualization of reaction kinetics
- simultaneous measurements of up to 400 spots

16:45–17:10 **Berührungsfreies Dispensieren**
German Dr. Udo Sonnhof (GF), SPI Robot Systeme GmbH
Hall 9 – Forum 1 (booth D65)

P-Jet: System, das Tropfen mit hoher Genauigkeit berührungsfrei abgibt; Aufbau eines industrietauglichen Dispensors; Druckventil + Fluidikteil getrennt; Totvolumen = 0. Tropfengröße: 100pl – Dauerstrahl; Maximale Schwankung des Tropfenvolumens

Mittwoch/*Wednesday*, 08.10.2008

Equipment

09:45–10:10 **"Perfect Dosing" – Automatische Pulverdosierung für kleinste Probenmengen**
German t.b.a., Mettler Toledo GmbH
Hall 9 – Forum 2 (booth G63)

QUANTOS – Automatisches Dosieren kleinster Probenmengen von 1 mg bis 250 mg auf der Grundlage von Erfahrung und präziser Wägetechnologie von METTLER TOLEDO. QUANTOS ersetzt stundenlanges Einwägen von Hand: Spatel waren gestern – heute ist QUANTOS. schnell – sicher – sparsam.

10:15–10:40 **On-chip & label-free single cell analysis**
English Dr. Marco Di Berardino, LEISTER Process Technologies
Hall 9 – Forum 1 (booth D65)

We present a novel, chip-based and label-free technology for cell counting and characterisation. Our Impedance flow cytometer addresses routine and quality control applications in the fields of cell differentiation (stem cells), haematology, parasitology (diagnostics) and fermentation.

10:45–11:10 **The SOLID System – Basic of Functionally and Applications**
English Dr. Thomas Rygus, Applera Deutschland GmbH
Hall 9 – Forum 1 (booth D65)

The SOLID System enables massively parallel sequencing of clonally amplified DNA fragments with Ultra high throughput and unmatched accuracy. Mate Pair analysis enables the analysis of structural variation of whole genomes. Gene expression, miRNA discovery or ChiP experiments are common applications.

11:15–11:40 German
Elastomerfreie Schnittstellen in Rohrleitungen
Harry Jost, Neumo GmbH + Co. KG
Hall 9 – Forum 1 (booth D65)

NEUMO ConnectS – Die ConnectS ist die erste elastomerfreie Aseptikverbindung. Das Produkt ist weltweit patentgeschützt und erfüllt aufgrund des revolutionären Designs alle relevanten Anforderungen der pharmazeutischen Industrie. TÜV-Bauteilprüfung, EHEDG-Zertifikat, Zulassung TA-Luft ist verfügbar.

14:15–14:40 English
High-throughput process development for increased efficiency and improved process quality
Dr. Kathryn Schnorf, GE Healthcare Europe GmbH
Hall 9 – Forum 2 (booth G63)

The use of PreDictor™ 96-well plates allows the exploration of a larger experimental space during process development. Different study types and the optimization data generated correlate well with column results. HTPD increases process understanding and so improves process quality and efficiency.

14:45–15:10 English
Efficient scale-up and GMP production with ReadyToProcess technologies
Ingemar Daniels, GE Healthcare Europe GmbH
Hall 9 – Forum 2 (booth G63)

Reduce cleaning efforts and costs, scale-up with ease and confidence, speed up project change-over, improve facility utilization and secure product quality with ready-to-use and single use technologies: ReadyToProcess™ columns. ÄKTAready™ system, ReadyMate™ disposable aseptic connectors and more.

Biotechnik / Bioengineering

10:15–10:40 English
From gene to product – exclusive technology for protein expression in Pichia pastoris
Dr. Thomas Purkarthofer, VTU Technology GmbH
Hall 9 – Forum 2 (booth G63)

With an exclusive library of promoter variants expression strength and characteristics can be tuned individually leading to high yield and purity of a given target protein. The capabilities of this yeast platform and the customized services of VTU Technology will be presented with selected examples.

10:45–11:10 English
An Emerging Revolution in 3-D Cell Culture
Dr. Clara Cavelier, Hamilton Bonaduz AG
Hall 9 – Forum 2 (booth G63)

Automated 3-D cell culture not only provides cells that more closely mimic in vivo characteristics but also allows hands-free growth, maintenance, and monitoring of cells. The resulting implications of using cells as reagents for just-in-time delivery into downstream applications will be discussed.

14:15–14:40 German
Automatisierte Zellkultursysteme:
(R)evolution in der Entwicklung serumfreier Medien der 2. Generation?
Prof. Dr. Michael Wiechmann, PAN-Biotech GmbH
Hall 9 – Forum 1 (booth D65)

Die Zellkultur ist ein wichtiges Werkzeug in der medizinischen und pharmazeutischen Wissenschaft. Hierbei kommen verschiedene Medien – oftmals unter Verwendung von foetalem Kälberserum – zum Einsatz. Da foetales Kälberserum als Produkt tierischen Ursprung mit ganz spezifischen Problemen behaftet ist, wird weltweit nach funktional gleichwertigen bzw. überlegenen Alternativen ohne tierische Komponenten gesucht. Wir beschreiben eine neuartige Schlüsseltechnologie für die schnellere Entwicklung serumfreier Medien: das automatisierte Zellkultursystem. Mit dieser Technologie konnten zwei neue proteinfreie Medien mit überragender Funktionalität in deutlich verkürzter Zeit entwickelt werden.

14:45–15:10 German
Lumineszenzmikroskopie mit dem Olympus LV200 Luminoview. Ein neues optisches System für die Genexpressionsanalyse und Ca2+ Imaging in Einzelzellen, Gewebeschnitten und kleinen Organismen.
Dr. Hauke Kahl, Olympus Deutschland GmbH
Hall 9 – Forum 1 (booth D65)

Die Entwicklung eines neuen Biolumineszenz Mikroskopes ermöglicht es, Langzeit-Untersuchung von lebenden, lichtempfindlichen oder stark auto-floureszierenden Proben durchzuführen. Applikationen wie Genexpressionsanalysen oder Ca2+ Imaging können nun auch auf mikroskopischer Ebene durchgeführt werden.

15:15–15:40 English
Advanced TC™, an improved cell culture surface for biotechnological research
Dr. Lara Marchetti, Greiner Bio-One GmbH
Hall 9 – Forum 1 (booth D65)

Advanced TC™ facilitates cultivation of sensitive cells, deprivation of serum, improves cell adherence and morphology and increases celluare transgene activity. Applications and advantages of this innovative non-biological compared to standard tissue culture surfaces are presented.

15:45–16:10 English
Biointerface – Analysis + Design + Application
Prof. Dr. Hiroo Iwata, Kyoto University, BioBridge Kansai
Hall 9 – Forum 1 (booth D65)

BioBridge KANSAI Japan is a comprehensive contact organization in the Kansai`s Life science related industries and academics to show an example of activities. We are organizing a seminar presented by Dr. Hiroo Iwata from "The Institute for Frontier Medical Sciences Kyoto University".

16:15–16:40 **The ConSense Analyser-Advantages of interaction analysis of**
English **Biomolecules in solution**
Dr. Sebastian Giehring, fluIT Biosystems GmbH
Hall 9 – Forum 1 (booth D65)

The characterization of biomolecules is a critical and time consuming part of the development of new molecules for therapeutic and diagnostic purposes. Analysis in solution allows to measure the behavior of new candidates under quasi in-vivo conditions rather than surface based methods. The fluorescence based ASFS (accurate stochastic fluorescence spectroscopy) method utilizes a confocal reader system to interrogate freely diffusing molecules in solution. When those molecules bind or aggregate, their photo-physical properties and their diffusion time changes. These effects can be readily exploited to measure interactions and concentrations well below the nanomolar range and also detect and quantify aggregates. Here we present the results of several proof-of principle studies demonstrating the versatility and the sensitivity of the ConSense Analyzer.

Medizin, Pharmazie / Medical and pharmaceutical applications

09:45–10:10 **Systematic Development of Novel Antibody Bio-markers for**
English **Diagnostic Biochips**
– Multiple Sclerosis Case Study
Dr. Stefan Müllner (CEO Protagen AG), BIO.NRW
Hall 9 – Forum 1 (booth D65)

The determination of autoantibody signatures is an innovative approach for the development of more specific diagnostics.

11:15–11:40 **Biotech-Applications of Zeon's Cyclo-Olefin-Polymers**
English Mr. Yoshimasa Tagata, Zeon Europe GmbH
Hall 9 – Forum 2 (booth G63)

ZEONEX® and ZEONOR® , Cyclo Olefin Polymers (COP) are high-performance thermoplastics which are used for innovative diagnostic applications, e.g. micro-well plates and microfluidic devices. Further uses are in cellular and bio-chemical assays, PCR thermo-cycling, very low protein-binding and chemical-specific compound storage.

15:15–15:40 **In Vivo Preclinical Imaging – Quantifying Anatomical, Functional**
English **and Molecular Biomarkers with Micro-Ultrasound**
Dr. Catherine Theodoropoulos, VisualSonics B.V.
Hall 9 – Forum 2 (booth G63)

This workshop will describe new developments in in vivo micro-imaging in Preclinical Imaging. Specifically, examples of real-time ultrasound imaging for performing detailed studies in embryology, cancer biology and cardiovascular research will be reviewed. Possibilities for guided interventional procedures (both therapeutic and toxic) will also be discussed.

15:45–16:10 **The Spectral Fingerprint of Tissue**
English Dr. Raimund Leitner, CTR Carinthian Tech Research AG
Hall 9 – Forum 2 (booth G63)

Spectral Imaging (SI) combines the advantages of spectroscopy for the analysis of material composition and imaging methods for the inspection of inhomogeneous objects. Spectral images acquired by SI systems provide valuable information for medical applications in life science and biotechnology.

16:15–16:40 **Zellbasierte Echtzeitbestimmung als Alternative zu Tierversuchen**
German Dr. Ulrich Leinfelder, Agenolab GmbH & Co. KG
Hall 9 – Forum 2 (booth G63)

Die moderne Zellanalytik bietet zahlreiche und innovative Methoden als Alternative zu Tierversuchen an. Ein Goldstandard stellt die Real-Time Messung von Zellen unter realen Bedingungen dar. Die neue Technologie des xCELLigence von Roche ist nun bei der Agenolab GmbH & Co. KG weltweit erstmals installiert.

16:45–17:10 **New develoments in disposable media and buffer preparations**
English Dr. Filip Willocx, ATMI LifeSciences
Hall 9 – Forum 2 (booth G63)

ATMI LifeSciences developed contained powder transfer bags with an integrated Quick-Fit Tri-Clamp connection to improve ease of use and containment level for powder media and buffer preparation, both for small and large-scale operations and add to ATMI's broad disposable mixing technologies

Donnerstag/*Thursday*, 09.10.2008

Biotechnik / Bioengineering

09:45–10:10 **Online Monitoring in Fermentation und Zellkultur durch**
English **Impedanzmessung**
Geoffrey Esteban (Fogale nanotech), Cellogics GbR
Hall 9 – Forum 1 (booth D65)

Capacitance measurements have been reported to be very promising and were extensively adopted in research laboratories and in the Biopharmaceutical industry. To demonstrate the advantage of monitoring biomass with capacitance, our Contribution reports on-line as well as conventional at-line process.

10:15–10:40 **Vapor Compression Distillation for the Producti**
English Lee Comb, Aqua-Chem Inc.
Hall 9 – Forum 1 (booth D65)

This presentation covers the operational design of the distillation process using a compressor to optimize the energy efficiency. This resulting energy savings is impacting the market for Water For Injection (WFI) production by producing a sterile water supply at lower costs relative to multi-effect distillation (MSD). The system design is explained; the efficiencies are outlined in contrast to MSD and a case-history is presented describing the operation of a Vapor Compression system producing WFI water in a large pharmaceutical plant.

10:45–11:10 **BioCentrum – Your Innovative Biotechnology Service & Product**
English **Provider**
Miloz Gruca, PhD; Przemyslaw, MSc, BioCentrum Sp. z o.o.
Hall 9 – Forum 1 (booth D65)

BioCentrum, a polish biotechnology company based in Krakow, which specializes in biochemistry research services and products, as well as pre-clinical R&D. Together with academic partners, we also work on innovative enzymes with superb characteristics.

10:45–11:10 **What`s on in Niedersachsen`s Life Science network/BioRegionN?**
English Dr. Albrecht Läufer, Life Sciences Niedersachsen BioRegionN
Hall 9 – Forum 2 (booth G63)

Latest developments in Niedersachsen`s core areas infection research, stem cell biology and neurosciences will be reviewed.

11:15–11:40 English
Isolation and characterization of high-value functional ingredients from potatoes
Dipl.-Chem. Alain-Michel Graf, Leibniz Universität Hannover (IFTC)
Hall 9 – Forum 2 (booth G63)

Employing the membrane adsorber technology two biologically active potato protein fractions can be isolated. Further enzymatic hydrolysation leads to a pool of uncharacterized peptides. Proteins and peptides have been separated and characterized using different methods and assays

Ernährung / *Nutrition applications*

10:15–10:40 German
Verbraucherakzeptanz von Lebensmitteln mit gesundheitlichem Zusatznutzen
Karin Wegner; Nadine Zern, Georg-August-Universität Göttingen (IfE)
Hall 9 – Forum 2 (booth G63)

Untersuchungsergebnisse zum Einfluss von Preis und Gestaltung der Aussage zum gesundheitlichen Mehrwert auf die Verbraucherakzeptanz von Lebensmitteln mit gesundheitlichem Zusatznutzen.

11:15–11:40 English
DIREVO Technologies for innovative products in everyday life
Anindya Mukherjee, Direvo Biotech AG
Hall 9 – Forum 1 (booth D65)

DIREVO Industrial Biotechnology GmbH ("IBT") focuses on Food & Beverages, Animal Feed and Biorefineries. We provide solutions through discovery, development and scale up of proteins and strains, thereby, emphasizing environmental sustainability and the use of renewable resources.

BIOTECHNICA PARTNERING
Halle 9, Stand A66
07.10.2008 – 09.10.2008, 09:00–18:00 Uhr/hrs

Ihr Weg zu erfolgreichen Kooperationen.
Die Online-Plattform ist bereits aktiv geschaltet und steht zur Nutzung zu Ihrer Verfügung.
Sie suchen Partner für den Vertrieb Ihrer Produkte? Sie sind interessiert an Forschungspartnerschaften? Sie wollen wissen, welche Firma Ihre Produkt-Pipeline vervollständigen kann? Erfolg basiert häufig auf den richtigen Partnerschaften. Unabhängig wen oder was Sie suchen, mit BIOTECHNICA PARTNERING finden Sie den richtigen Partner – Unternehmen, Personen und Produkte –, um Ihre Projekte weiterzuentwickeln und Ihre Ziele zu erreichen – schnell, einfach und effizient!
Nutzen Sie die weltweit führende online Plattform der EBD Group partneringONE™ bereits im Vorfeld der Veranstaltung zur Vereinbarung Ihrer Meetings. Sie wissen bereits heute, wer morgen auf der BIOTECHNICA sein wird.
Auf der BIOTECHNICA stehen Ihnen ein Partnering Help Desk sowie designierte Meeting Areas in der Messehalle, auf den Ständen der Aussteller oder in geschlossenen Besprechungsräumen zur Verfügung.

Your Route to Successful Collaborations. The features of the online platform have gone live already well before the event on site.
Are you looking for distribution partners? Are you interested in research cooperations? Or are you interested to find out which companies can complement your product pipeline?
No matter who or what you are searching for, with BIOTECHNICA PARTNERING you will find the right partner to progress your projects and achieve your business goals – quickly, easily, and efficiently!
Make use of EBD Group's leading online networking platform partneringONE™ prior to the event to arrange your meetings. On site at BIOTECHNICA, there will be a Partnering Help Desk and designated Meeting Areas, including open meeting spaces, private conference rooms or exhibition booths.

Veranstalter/ *Organizer*
Deutsche Messe AG
Messegelände
D-30521 Hannover
in cooperation with:
EBD Group, Zürich
Online Plattform EBD Group: partneringONE™

Sprache/ *Language*
Englisch/English (Online Platform)

Teilnahme/ *Participation*
Teilnahmegebühr excl. Messeeintrittskarte (zzgl. gesetzl. MwSt.):
40,00 EUR (Besucher) / 200,00 EUR (Aussteller)
Anmeldung erforderlich über:
http://www.biotechnica.de/partnering_e
Participation excl. entrance ticket to the fair (+V.A.T.)
40,00 EUR (Visitors) / 200,00 EUR (Exhibitors)
Registration required via internet at:
http://www.biotechnica.de/partnering_e

Kontakt/ *Contact*
Stephanie Wagner
Telefon: +49 (0)511/89-32097
Fax: +49 (0)511/89-32296
E-mail: stephanie.wagner@messe.de

Forum: Problemlösungen aus Baden-Württemberg
Forum: Solutions from Baden-Württemberg
Halle 9, Stand E41
07.10.2008, 10:00–16:45 Uhr/hrs / 08.10.2008, 10:00–15:55 Uhr/hrs / 09.10.2008, 10:00–11:10 Uhr/hrs

Wir freuen uns, Sie auf dem Gemeinschaftsstand des Landes Baden-Württemberg hier auf der BIOTECHNICA Hannover 2008 zu begrüßen. Zusammen mit unseren Mitausstellern präsentieren wir auf ca. 450 m² einen lebendigen Querschnitt der Biotech-Branche im Südwesten. Unternehmen der Biotechnologie und Life Sciences, Dienstleister und wissenschaftliche Einrichtungen stehen Ihnen mit ihrem umfassenden Angebot und ihrer Erfahrung zur Verfügung. Wir möchten Sie einladen, sich über den Standort Baden-Württemberg, seine Erfolgsfaktoren, den Kernbereich der Biotechnologie sowie deren Anwendungen in den Lebenswissenschaften zu informieren.

We will be pleased to welcome you at the 450 m² joint Baden-Württemberg booth at this year's BIOTECHNICA in Hanover, Germany. Together with our co-exhibitors, we will present a dynamic cross-section of the biotechnology sector in Germany's southwest. Biotechnology and life science companies, service providers and scientific institutions will present their wide-ranging products and research work. We would like to invite you to visit us and get first-hand information about Baden-Württemberg's science and industry, the state's success factors, the core areas of biotechnology and their application in the life sciences.

Veranstalter/ *Organizer*
Gemeinschaftsstand Baden-Württemberg
Organisation:
BIOPRO Baden-Württemberg GmbH
Breitscheidstr. 10
70174 Stuttgart

Sprache/ *Language*
Deutsch oder Englisch / German or English

Teilnahme/ *Participation*: Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*

Kontakt/ *Contact*: Christopher Böhmler
Telefon: +49 711/218185-04
Fax: +49 711/218185-02
E-mail: boehmler@bio-pro.de

Dienstag/*Tuesday*, 07.10.2008

10:00–10:15 Deutsch — **Good Morning BIOTECHNICA!**
Treffen Sie interessante Gäste zu tagesaktuellen Themen.

10:15–10:30 Deutsch — **Wissenstransfer für Innovation – Einsatz einer ontologiebasierten Wissensmanagementlösung**
Petra Pauline Remmlinger, Leiterin Wirtschaftsförderung, Technologietransfer und Wissensmanagement, BIOPRO Baden-Württemberg GmbH

10:30–10:45 English — **Innovation in the Life Science Business by Collaborative Efforts**
Dr. Michael Steinwand, Founder and Managing Director, Innovendia Consulting

11:00–11:15 Deutsch — **Strategische Allianzen zwischen Forschung und Wirtschaft**
Dr. Ruth Herzog, Leiterin Stabsstelle Technologietransfer, Deutsches Krebsforschungszentrum

11:15–11:30 Deutsch — **Produktentwicklung schnell und flexibel: Das neue PAN-Biologics™-Netzwerk von Boehringer Ingelheim**
Hans-Peter Grau, Produktionsallianz-Manager, Boehringer Ingelheim GmbH

Moderation: Dr. Ralf Kindervater, Geschäftsführer der BIOPRO Baden-Württemberg GmbH, Hubert Romer

12:00–12:45 Deutsch — **Podiumsdiskussion:**
Regional stark – international erfolgreich – Bioregionen als Innovationstreiber
Teilnehmer aus den BioRegionen Baden-Württemberg:
Dr. Klaus Eichenberg, BioRegio STERN Management GmbH; Dr. Ernst-Dieter Jarasch, BioRegion Rhein-Neckar-Dreieck e.V.; Prof. Dr. Klaus P. Schäfer, BioLAGO e.V. Life Science Network; Dr. Thea Siegenführ, stellvertret. Vorstand, Technologiestiftung BioMed Freiburg; Prof. Dr. Rolf Werner, Boehringer Ingelheim Pharma GmbH & Co. KG und BioRegionUlm Förderverein Biotechnologie e. V.

14:00–14:10 Deutsch — **Neue Technologieansätze im Sample- und Liquid-Handling**
Dipl.-Chem. Peter Jaschke, Manager Business Development MedLab, Festo AG & Co. KG

14:10–14:20 English — **Next-Gen Sequencing Technologies: Opportunities and Drawbacks**
Dr. Kerstin A. Stangier, Global Key Account Manager, GATC Biotech AG

14:20–14:30 Deutsch — **Synthetische Biologie: Neue Konzepte und Verfahren – effiziente Lösungen für molekulare Designs**
Dr. Hubert S. Bernauer, Geschäftsführer, ATG:biosynthetics GmbH

14:45–14:55 Deutsch — **Warum soll Bioanalytik teuer sein? Ein kostengünstiges 8-Kanal Biosensorsystem mit einwegtauglicher Mikrofluidik**
Dipl.-Ing. Bastian E. Rapp, Karlsruher Institut für Technologie (KIT), Institut für Mikrostrukturtechnik

14:55–15:05 English — **HSG-IMIT Lab-on-a-Chip Foundry Services**
Tobias Metz, Leiter "Lab-on-a-Chip" Foundry Service, HSG-IMIT

15:05–15:15 Deutsch — **Identifizierung von Mikroorganismen für die Pharma-Industrie**
Dr. Bernhard Nüßlein, Geschäftsführer, nadicom GmbH

15:30–15:40 Deutsch — **Neues Hochdurchsatz-Verfahren zur Herstellung monoklonaler Antikörper**
Dr. Jürgen Bauer, Business Development Manager, EMBLEM Technology Transfer GmbH

15:40–15:50 Deutsch — **Nachhaltige Optimierung von therapeutischen Antikörpern**
Dr. Gilbert Gorr, Wissenschaftlicher Leiter, greenovation Biotech GmbH

15:50–16:00 Deutsch — **Dienstleistungen im Bereich der Zellkultur – stabile Zelllinien**
Konstantin Matentzoglu, Leiter Zellbiologie, Trenzyme GmbH

16:15–16:30 Deutsch — **Betriebliche Influenza- Pandemievorsorgeplanung**
Dr.-Ing. Markus Schwehm, Geschäftsführer, ExploSYS GmbH

16:30–16:45 Deutsch — **Verstehen, vermitteln, vernetzen – Kommunikationsstrategien**
Dr. Barbara Jonischkeit, Leiterin Öffentlichkeitsarbeit, BIOPRO Baden-Württemberg GmbH

Mittwoch/*Wednesday*, 08.10.2008

10:00–10:45 Deutsch — **Good Morning BIOTECHNICA!**
Treffen Sie interessante Gäste zu tagesaktuellen Themen.

11:00–11:10 Deutsch — **Eine neue unabhängige Plattform zur Auswertung in der Parallel-Sequenzierung**
Dr. Steffen Hüttner, Vorstand, Hölle & Hüttner AG

11:10–11:20 Deutsch — **Mobile Fluoreszenz Messgeräte und Test Systeme für schnelle Point of Care Anwendungen**
Klaus Haberstroh, Gechäftsführer, ESE GmbH

11:20–11:30 Deutsch — **MinCE erobert den Markt**
Dr. Werner Hoffmann, Karlsruher Institut für Technologie (KIT), Institut für Mikrostrukturtechnik

11:45–11:55 Deutsch — **Multifunktionale Eigenschaften von Stevia rebaudiana bei der Human- und Tiergesundheit**
Dr. Udo Kienle, wissenschaftlicher Mitarbeiter, Universität Hohenheim, Institut für Agrartechnik

11:55–12:05 Deutsch — **Expression von eukaryotischen Proteinen in filamentösen Pilzen**
Dr. Bernhard Nüßlein, Geschäftsführer, nadicom GmbH

Podiumsdiskussion

Moderation: Hubert Romer

12:30–13:30 Deutsch — **Neue Entwicklungen im Clusterbereich Baden-Württemberg**

15:00–15:10 Deutsch — **BioRN – eine neue Struktur zur Entwicklung marktfähiger Produkte im Bereich zellbasierte und molekulare Medizin**
Dr. Ernst-Dieter Jarasch, Geschäftsführer, BioRegion Rhein-Neckar-Dreieck e.V.

15:10–15:20 Deutsch — **Die Regenerationsmedizinischen Lösungen von morgen. Aus der BioRegion STERN.**
Dr. Klaus Eichenberg, Geschäftsführer, BioRegio STERN Management GmbH

15:20–15:30 Deutsch
Medizintechnologie – das Unmögliche anpacken. Lösungen aus der BioRegion STERN.
Dr. Kathrin Ballesteros Katemann, Projektmanagerin, BioRegio STERN Management GmbH

15:45–15:55 Deutsch
Biopolymere – Ersatz für herkömmliche Kunststoffe
Dr. Meike Kammler, Projektleitung Cluster Biopolymere, BIOPRO Baden-Württemberg GmbH

Donnerstag/*Thursday*, 09.10.2008

10:00–10:15 Deutsch
Good Morning BIOTECHNICA!
Treffen Sie interessante Gäste zu tagesaktuellen Themen.

10:15–10:25 Deutsch
BioEnergie – mit Innovationsgeist einen Schritt voraus.
Aus der BioRegion STERN.
Dr. Manfred Kauer, Senior Projektmanager, BioRegio STERN Management GmbH

10:25–10:35 Deutsch
Ein trinationales Life Science Netzwerk in der Bodensee-Region
Prof. Dr. Klaus P. Schäfer, Vorsitzender des Vorstandes, BioLAGO e.V. Life Science Network

10:35–10:45 Deutsch
Innovation durch Kooperation
Dr. Ernst Drost, Technologie Transfer Manager, Universität Freiburg Technologietransfer

10:45–10:55 Deutsch
Science and Business in Heidelberg
Dr. Marion Kronabel, CSO, Technologiepark Heidelberg

11:00–11:10 Deutsch
Goodbye BIOTECHNICA
Dr. Ralf Kindervater, Geschäftsführer BIOPRO Baden-Württemberg GmbH; Hubert Romer, Moderator, Kreativmarketing Romer

German-Russian Workshop Biotechnology
Convention Center (CC), Saal/Room München
Dienstag /Tuesday 07.10.2008, 14:00–17:00 Uhr/hrs

Kooperation Universität – Industrie / Technologietransfer / Geistiges Eigentum / Förderung von Unternehmen
Im Rahmen der Biotechnica 2008 organisiert das Ost-West-Wissenschaftszentrum (OWWZ) der Universität Kassel in Zusammenarbeit mit der Vereinigung Deutscher Biotechnologie Unternehmen VBU einen Deutsch-Russischen Workshop Biotechnologie mit folgenden Schwerpunkten:

– Biotechnologie in Russland und Deutschland
– Technologie Transfer: Von der Forschung zur Produktion
– Strategien für eine erfolgreiche Kooperation zwischen Wissenschaft und Industrie
– Geistiges Eigentum in Deutschland und Russland
– Finanzierung von Unternehmensgründungen

Co-operation Academia – Industry / Technology Transfer / Intellectual Property Rights / Funding for Entrepreneurship
In the scope of the Biotechnica 2008 the East-West-Science Centre (OWWZ) of the University of Kassel in co-operation with the Association of German Biotech Companies (VBU) organises a German-Russian Workshop Biotechnology.

The Workshop will address the following topics:

– *Biotechnology in Russia and Germany*
– *Technology Transfer: From Research to Production – Strategies for Successful Co-operation between Science and Industry*
– *Intellectual Property Rights in Germany and Russia*
– *Funding for Entrepreneurship*

Veranstalter/ *Organizer*
Ost-West-Wissenschaftszentrum (OWWZ)
Gottschalkstrasse 22
D – 34109 Kassel
in cooperation with:
Association of German Biotechnology Companies (VBU)

Sprache/ *Language*
Englisch / English

Teilnahme/ *Participation*
Participation free of charge to BIOTECHNICA ticket holders. Registration requested via OWWZ to: gorzka@uni-kassel.de or online at: http://owwz.de/event_biotechnologie.html?&L=1

Kontakt/ *Contact*
Dr. Gabriele Gorzka
Telefon: +49 561 804-3609
Fax: +49 561 804-3792
E-mail: gorzka@uni-kassel.de

14:00–14:15
Introduction:
Presentation of the German-Russian Cooperation Network Biotechnology
Dr. Gabriele Gorzka, East-West-Science Centre – University of Kassel (OWWZ), Kassel

14:15–14:30
Biotechnology in Germany: Education, Research and Industry
Dr. Ulrich Behrendt, Association of German Biotech Companies (VBU), Frankfurt a.M.

14:30–14:45
Biotechnology in Russia: Innovation Sectors in Research and Industry
Prof. Dr. Raif Vasilov, Russian Biotechnology Society, Moscow

14:45–15:00
Strategies for Innovation
Prof. Dr. R. Jakobi, University of Applied Sciences Ludwigshafen am Rhein

15:00–15:30
Coffee break

15:30–16:00
Co-operation Contracts and Intellectual Property Rights in Germany and Russia
Reinald Koch, Michail Chidekel, Kanzlei Herfurth & Partner, Hannover

16:00–16:20
Practice of Organization and Legal Safeguard of Bioinnovations in Russian Federation
Dr. Helen Zamirovich, Russian State Institute for Intellectual Property

16:20–16:40
Financial and Administrative Support for Innovations in Germany
Roman Blank, Arbeitsgemeinschaft industrieller Forschungsvereinigungen "Otto von Guericke" e.V. (AiF), Berlin

16:40–17:00
Co-operation EU-Russia in Biotechnology FP7 and National Programmes
Prof. Dr. Vladimir Popov, A.N. Bakh Institute of Biochemistry National Contact Point Biotechnology – Russia, Moscow

jobvector-Karrierestand / *jobvector career booth*
Halle 9, Stand G71
07.10.2008 – 09.10.2008, 09:00–18:00 Uhr/hrs

jobwall, Information und persönliche Beratung
Auf dem Messestand von jobvector präsentieren wir Ihnen auf unserer "Jobwall" aktuelle Stellenangebote von BIOTECHNICA-Ausstellern und jobvector, die weit über das Online-Angebot hinausgehen. Zahlreiche Informationsmöglichkeiten und Wissenswertes rund um die Themen Berufswahl, Bewerbung und Karriere ergänzen das Angebot. Auf unserem Stand warten zahlreiche Personalverantwortliche attraktiver Arbeitgeber auf ein persönliches Gespräch mit Ihnen. Der Karrierestand ist die zentrale Anlaufstelle des jobvector career day. Weitere Informationen unter: http://www.jobvector.com/biotechnica

jobwall, information and personal advice
At the jobvector career booth you can find current job ads from companies present at BIOTECHNICA and from jobvector- even more job ads than online. You will face various useful informations regarding your choise of employment. Furthermore you can take advantage of several options to gather information and find out anything there is to know about the topics application and career. Several HR managers from attractive employers are waiting to talk to you personally on our booth. The career booth is the central contact point of our jobvector career day. Further information at: http://www.jobvector.com/biotechnica

Veranstalter/ *Organizer*	jobvector – the life science career center Kölner Landstrasse 40 D-40591 Düsseldorf
Sprache/ *Language*	Deutsch oder Englisch / German or English
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Dr. Martina Sribar Telefon: +49 211 301384-08 Fax: +49 211 301384-18 E-mail: martina.sribar@jobvector.com

Life Science Spotlight / *Life Science Spotlight*
Halle 9, Stand G63 (Innovation Forum II)
07.10.2008 – 09.10.2008, 12:00–14:00 Uhr/hrs

Top-relevante Themen der Expressions- und molekularen Lebensmittelanalytik werden auf Anwender-Level vorgestellt.
Die Life Science Research Unternehmen (LSR) sind Hersteller von Instrumenten und Reagenzien im Life-Science-Research-Bereich, die sich zusammengeschlossen haben, um ihre Interessen gemeinsam zu vertreten. Sie verstehen sich als kompetente Gesprächspartner auf wissenschaftlicher, wirtschaftlicher, politischer und Anwenderebene. Eines der Ziele ist die Schaffung von Plattformen für den Austausch und die Diskussion forschungsrelevanter Themen auch unter Einbeziehung ethischer und rechtlicher Fragen.

Top relevant Presentations regarding Expression and molecular Food Analytics are presented on User Level.

Life Science Research companies (LSR) are manufacturers of instruments and reagents in the field of Life-Science Research. They have joined forces to present their common interests. They understand themselves as qualified conversational partners on an academic, economic, political and operational level. One of their goals is to create a communication platform for the exchange and discussion of research relevant topics, taking into account ethical and legal questions.

Veranstalter/ *Organizer*	Fachgruppe Life Science Research im Verband der Diagnostica-Industrie e.V. Mainzer Landstr. 55 60329 Frankfurt am Main in Zusammenarbeit mit: Firmen der Fachgruppe Life Science Research im VDGH
Sprache/ *Language*	Deutsch oder Englisch / German or English
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Dr. Peter Kunze Telefon: +49 2232 418-165 Fax: +49 2232 418-150 E-mail: kunze.p@eppendorf.de

Dienstag/*Tuesday*, 07.10.2008

In der Forschung dreht sich zur Zeit vieles um '-omics'. Es wird versucht, die verschiedenen Interaktionen, die Moleküle innerhalb einer Zelle oder innerhalb eines Organismus eingehen, abzubilden und zu verstehen. Es ist klar geworden, dass nicht nur die pure Anwesenheit spezifischer Moleküle für deren Effekte entscheidend sind, sondern auch wie viel von einem Molekül zu einem gegebenen Zeitpunkt vorhanden ist. Es gibt zahlreiche neue Tools und Techniken zur Expressionsanalyse von Proteinen und Nukleinsäuren. Der Einsatz dieser Methoden wird exemplarisch von Wissenschaftlern anhand ihrer Forschungsergebnisse dargestellt. Diese Kombination von neuesten Techniken und spannenden wissenschaftlichen Ergebnissen wird ein echtes Highlight für jeden Besucher der BIOTECHNICA.

Currently we live in the '-omics' research world. We are trying to understand what molecules are interacting within a cell or organism with each other and what the outcome of this interaction is. Furthermore, we learned that not only the presence of a molecule is important for an effect, but also the amount of the accordant molecule. There are plenty of advanced tools and techniques covering these questions for nucleic acids and proteins. The adoption of some of these will be represented by researchers with examples of their respective areas of expertise. State of the art applications in combination with latest research results will be a highlight for every researcher visiting the BIOTECHNICA.

Expressionsanalyse innovativ

12:00–12:15 English	**Breaking the frontiers of single cell gene expression analysis** Dr. Diana Hops, Olympus Life Science Research Europa GmbH
12:17–12:32 English	**Bead-based Assays** Prof. Dr. Thomas Herget, Merck KGaA
12:35–12:50 Deutsch	**Quantitative Genexpressionsanalyse mikrodissezierter 3D-Zellaggregate** M.Sc. Anna Emilia Petschnik, Fraunhofer Einrichtung für Marine Biotechnologie, Lübeck
12:50–13:05 English	**microRNA.relevance and challenge in analyics** Peer Stähler, Febit
13:07–13:22 English	**RNA interference: Powerful tool for specific gene knockdowns in mammalian cells in high throughput** Dr. Merja Perälä, VTT Technical Research Centre of Finland – Medical Biotechnology, Turku, Finland
13:43–14:00 English	**Application of High Throughput Technologies to drug targets from Academia** Dr. Philip Gribbon, European Screening Port, Hamburg

Mittwoch/*Wednesday*, 08.10.2008

Lebensmittelsicherheit ist ein wichtiges Thema in unserer Gesellschaft und die Ansprüche der Verbraucher an die Qualität der Lebensmittel steigen stetig. Molekularbiologische Methoden sind inzwischen ein fester und oft wesentlicher Baustein in der Lebensmittelanalytik. Welche Ansprüche werden an die Labore heute gestellt? Wie können molekulare Analysetechnologien helfen, die Geschwindigkeit mit der Analysen durchgeführt werden können zu erhöhen? Wie zuverlässig sind diese Methoden? Dieser Fragekomplex wird von führenden Experten in Sachen Lebensmittelsicherheit anhand aktueller Beispiele und Forschungsarbeiten dargestellt und diskutiert.

Food safety is an important topic in our society since awareness for the quality of our food is constantly increasing. Molecular biology techniques play already a pivotal role in modern analytical laboratories. What are the needs of today food analysis laboratories? How can molecular analytics help solving the need for speed? How reliable are these methods? These and other questions will be covered by leading experts in their fields on the basis of their recent research work.

Lebensmittelsicherheit durch molekulare Analytik

12:00–12:15 Deutsch
Analytik – die Voraussetzung für Lebensmittelsicherheit und Qualität
Prof. Klaus-Dieter Jany, Member of the Scientific Committee of the European Food Safety Authority (EFSA) und Chairman of the CEF-Panel (EFSA)

12:17–12:32 Deutsch
Real Time PCR Lebensmittelanalytik: State of the Art und Perspektiven
Dr. Matthias Kuhn, Congen

12:35–12:50 English
Rapid detection of food-borne pathogens using foodproof Real Time-PCR Kits
Dr. H. Schoenenbrücher, Merck KGaA

12:50–13:05 Deutsch
Aktuelle Tuberkulosediagnostik aus der Sicht des Veterinärinstitutes Oldenburg
Dr. Andreas Moss, Niedersächsisches Landesamt für Verbraucherschutz und Lebensmittelsicherheit (LAVES)

13:07–13:22 English
GMO Analysis in Europe
Dr. Yves Bertheau, Inst. National la Recherche Agronomique (INRA), Versailles, France

13:25–13:40 English
A sensitive high-throughput PCR method for identifying common clinical serotypes of Salmonella enterica subsp. Enterica
Florian Mertes, Max-Planck-Institut für molekulare Genetik, Berlin

13:43–14:00 English
Recent Advances in the Detection of Pathogens in Food
David Warening, Invitrogen Ltd.

Donnerstag/*Thursday*, 09.10.2008

Firmen der Fachgruppe Life Science Research stellen sich als Arbeitgeber am jobvector career day vor.

Member companies of Life Science Research present themselves as employers at jobvector career day.

Firmen der Fachgruppe LSR als Arbeitgeber

12:00–12:10
Sigma-Aldrich Chemie GmbH als Arbeitgeber
Christian Wetzstein

12:12–12:22
Merck KGaA als Arbeitgeber
Yvonne Schlasa

12:24–12:34
Eppendorf AG als Arbeitgeber
Uwe Reimers

12:36–12:46
Invitrogen GmbH als Arbeitgeber
Dr. Peter Schüßler

12:48–12:58
Thermo Fisher Scientific GmbH als Arbeitgeber
Karl Gerhard Hoppmann

13:00–13:10
Qiagen GmbH als Arbeitgeber
Julia Kaiser

13:12–13:22
Promega GmbH als Arbeitgeber
Dr. Peter Quick

13:24–13:34
Bio-Rad Laboratories GmbH als Arbeitgeber
Friedel Horneff

13:36–13:46
Greiner-Bio-One GmbH als Arbeitgeber
Karin Eppler-Moser

13:48–14:00
Serva Electrophoresis GmbH als Arbeitgeber
Dr. Jürgen Dreher

Neue Märkte: Ein Tool im Strategieprozess
New Markets: A Tool in the Strategic Management Process
Convention Center (CC), Saal/Room Frankfurt
Dienstag/Tuesday, 07.10.2008, 14:00–18:00 Uhr/hrs

Strategische Vorausschau und Internationalisierung von Dienstleistungen in der roten Biotechnologie
In dieser Veranstaltung wird ein Strategietool vorgestellt, das die Internationalisierung und strategische Vorausschau neuer Märkte und Geschäftsmöglickeiten von Unternehmen der Biotechnologie unterstützt. Die Entwicklung des Tools, als eine webbasierte Anwendung, ist das Ergebnis einer Best-Practices Analyse im Rahmen von Fallstudien. Die aus Theorie und Fallstudien abgeleiteten generischen Strategien werden zur Diskussion gestellt. Wichtige Punkte sind dabei Rahmenbedingungen, Eintrittsbarrieren und Herausforderungen sowie die daraus resultierenden Anforderungen an ein Strategietool.

Strategic Foresight and Internationalisation for Biotechnology Services
In this presentation a strategy tool will be introduced, which supports internationalisation and strategic foresight of new markets and business opportunities of Biotechnology firms. The development of the tool, as a web based application, is the result of a best practice analysis in the scope of case study research. An explanation of important terms and theories will facilitate understanding. Also, the most striking results of the best practice analysis are presented. Generic strategies derived from theory and practice will be put up for discussion. Important issues are determining factors, entry barriers and challenges as well as the resulting demands for a strategy tool.

Veranstalter/ *Organizer*	Centrum für Entrepreneurship und Innovation der Universität Potsdam (BIEM-CEIP) Am Park Babelsberg 14 D-14482 Potsdam in Zusammenarbeit mit: Vereinigung Deutscher Biotechnologie-Unternehmen (VBU) c/o DECHEMA e.V. Theodor-Heuss-Allee 25 60486 Frankfurt am Main
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. Anmeldung erbeten per e-mail an: Dana.Mietzner@uni-potsdam.de
Kontakt/ *Contact*	Dana Mietzner Telefon: +49 331 977-4500 Fax: +49 331 977-4481 E-mail: Dana.Mietzner@uni-potsdam.de

14:00–14:30	**Begrüßung und Vorstellung des Projektes „New Market Intelligence – Identifikation und Evaluation von Auslandsmärkten in der roten Biotechnologie“** Prof. Dr. oec. Guido Reger, Lehrstuhl für Innovationsmanagement und Entrepreneurship, Stiftungsprofessur der Mittelbrandenburgischen Sparkasse in Potsdam, Universität Potsdam Dana Mietzner, Projektleiterin, Centrum für Entrepreneurship und Innovation der Universität Potsdam
14:30–15:00	**Neue Märkte: Internationalisierung von Biotech-Unternehmen: Best Practice und Managementempfehlungen** Michael Nolting, Centrum für Entrepreneurship und Innovation der Universität Potsdam
15:30–17:00	**Neue Märkte: Strategische Vorausschau in Biotech-Unternehmen – Praxis und Anforderungen** **New Market Intelligence – Ein Tool im Strategieprozess** Dana Mietzner und Jan-Peter Hagenmüller Centrum für Entrepreneurship und Innovation der Universität Potsdam
17:00–17:15	**Pause**
17:15–18:00	**Managementkompetenzen in Biotech-Unternehmen** Innovative MBA Programme an der Universität Potsdam Roya Madani und Magnus Müller Centrum für Entrepreneurship und Innovation der Universität Potsdam
18:00–19:00	**Treffen der Alumni des MBA BioMedTech**

Biomanufacturing Symposium
Convention Center (CC), Saal/Room Bonn
Mittwoch/Wednesday, 08.10.2008, 09:00–18:00 Uhr/hrs

Operational excellence strategies between biopharmaceutical developers and manufacturers

Manufacturing is a crucial function of today's biopharmaceutical industry. However, the importance of process integration in developing robust, transferable, scalable and GMP-manageable manufacturing processes for biopharmaceuticals is challenging the industry. The bio-manufacturing symposium enlightens current trends for production technology, process characterization/validation and process integration. Operational excellence strategies between biopharmaceutical developers and manufacturers will be discussed in the shape of in-house process development and outsourcing manufacturing in a dynamic market environment.

Veranstalter/ *Organizer*	Capgemini Deutschland GmbH Life Sciences Löffelstr. 44-46 D-70597 Stuttgart in cooperation with: Deutsche Messe AG, Hannover
Sprache/ *Language*	Englisch/English
Teilnahme/ *Participation*	*Participation fee incl. V.A.T. and entrance ticket to the fair:* *280,00 EUR Industry / 115,00 EUR Academia / 55,00 EUR Students* *Members of Biotech Associations and BioRegions:* *265,00 EUR Industry / 100,00 EUR Academia / 40,00 EUR Students* *Registration required via Deutsche Messe online at http//:www.biotechnica.de/con or at the Registration desk in the Convention Center*
Kontakt/ *Contact*	Dr. Jan Farfsing Telefon: +49 711 50505-137 Fax: +49 711 50505-237 E-mail: jan.farfsing@capgemini.com

08:30–09:00	**Registration in the foyer of the Convention Center at the Registration desk**
09:00–09:10	**Opening remarks** Dr. Jan Farfsing, Capgemini Consulting
Topic 1: Production Technology	
09:10–09:40	**Insight into Modern Approaches of Downstream Development** Dr. Joey Studts, Process Science Downstream Processing, Boehringer Ingelheim Pharma GmbH & Co. KG
09:40–10:10	**New tools for downstream processing – solutions for optimized processes and increased operational efficiency** Kathryn Schnorf, Marketing Manager, GE Healthcare Europe GmbH
10:10–10:40	**Antibodies Manufacturing in Microbial Systems – an Emerging Technology?** Knut Burgdorf, Product Manager Biopharmaceuticals, Lonza AG
10:40–10:55	**Coffee break**

Topic 2: Process Characterisation / Process Validation

10:55–11:35 **The inspectors' view:**
expectations and experiences regarding to process validation for manufacture of biopharmaceutical medicinal products
– Regulatory framework: an update and expected trends
– Implementation of PAT tools; chances and common pitfalls
– Typical deficiencies
Dr. Jürgen Mählitz, GMP Inspector, Regierung von Oberbayern (District Government of Upper Bavaria)

11:35–12:15 **A cleaning validation concept for a multipurose GMP facility**
Dr. Thilo Kamphausen, Qualitiy Control, Richter-Helm BioLogics GmbH & Co. KG

12:15–14:00 **Lunch break in Hall 9, Catering Area**

Topic 3: Process Integration

14:00–14:40 **Upscaling strategies for cost effective manufacturing of biopharmaceuticals**
Dr. Friedrich Nachtmann, Head Biotech Cooperations, Sandoz GmbH

14:40–15:20 **Commercial Manufacturing – Realizing Opportunities and Avoiding Potential Pitfalls**
Dr. Gregor Dudziak, Vice President Cell Culture, Rentschler Biotechnologie GmbH

15:20–16:00 **New approaches in fast-track process development: A real-case example**
Dr. Andreas Herrmann, CEO, Celonic GmbH

16:00–16:20 **Coffee break**

Panel discussion

16:20–18:00 **Operational excellence strategies between biopharmaceutical developers and manufactures: in-house process development and manufacturing outsourcing in a dynamic market environment – Success strategies, current market trends and market dynamics**
Dr. Klaus Schoepe, Senior Vice President Projects, Rentschler Biotechnologie GmbH (Chair)
Prof. Dr. Rolf Werner, Corporate Senior Vice President Biopharmaceuticals, Boehringer Pharma GmbH
Dr. Friedrich Nachtmann, Head Biotech Cooperations, Sandoz GmbH
Dr. Jürgen Mählitz, GMP Inspector, District Government of Upper Bavaria
Dr. Philipp Göpel, Biomanufacturing expert Capgemini Consulting
Dr. Rainer Wessel, CEO, Ganymed Pharmaceuticals AG

VBU BioBusiness Forum
Convention Center (CC), Saal/Room Frankfurt
Mittwoch/ Wednesday, 08.10.2008, 10:00–17:05 Uhr/hrs

Europe's Biotech Markets – Facts & Figures
Die nationalen Biotechnologiemärkte haben sich in der EU sehr unterschiedlich entwickelt. Einen Überblick über die Potentiale dieser Märkte zu gewinnen, fällt schwer. Aus diesem Grund organisiert die Vereinigung deutscher Biotechnologie-Unternehmen (VBU) das VBU BioBusiness Forum, in dem Vertreter aus den Baltischen Staaten, Polen, Ungarn, der Tschechischen Republik, Italien, Spanien, Irland und UK ihre nationalen Biotechmärkte vorstellen.

The national biotech markets have developed quite differently within the EU. So it is very difficult to get an overview on the potential of these markets. Therefore the Association of German Biotechnology Companies (VBU) is organising the VBU BioBusiness Forum. This forum gives you the opportunity to gain insight into the biotech markets of the Baltic States, Poland, Hungary, the Czech Republic, Italy, Spain, Ireland and UK.

Veranstalter/ *Organizer*	Association of German Biotechnology Companies (VBU) Theodor-Heuss-Allee 25 D-60486 Frankfurt am Main
Sprache/ *Language*	Englisch/English
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders*
Kontakt/ *Contact*	Dr. Andreas Scriba Telefon: +49 69 7564-124 Fax: +49 69 7564-169 E-mail: vbu@v-b-u.org

Biotechnology in Eastern Europe

10:00–10:25 ***Biotechnology in the Czech Republic***
Martin Partl, CzechInvest – Investment and Business Development, Agency, Prague (CZ)

10:25–10:50 ***Biotechnology in Hungary***
Dr. Gyorgy Lustyik, Soft Flow Hungary Ltd, Hungarian Biotechnology Association, Pecs (HU)

10:50–11:15 ***Coffee break***

Biotechnology in Eastern Europe

11:15–11:40 ***Biotechnology in the Baltic States***
Peeter Grigorjev, Estonian Biotechnology Association, Tallin (EST)

11:40–12:05 ***Biotechnology in Poland***
Prof. Tomasz Twardowski, Polish Federation of Biotechnology, Poznań (PL)

12:05–12:30 ***Biotechnology in Russia***
Prof. Vladimir Eryomin, Bakh Institute of Biochemistry of the RAS, Moscow (RUS)

12:30–14:55 **Break**

Biotechnology in Western Europe

14:55–15:20 ***Biotechnology in Ireland***
Dr. Jim Ryan, CIRCA Group Europe Limited, Dublin (IRL)

15:20–15:45 ***Biotechnology in Italy***
Leonardo Vingiani, Assobiotec, Milano (I)

15:45–16:10 ***Biotechnology in UK***
Wolfgang Skibar, Bioscience for Business, Chester (UK)

16:10–16:40 ***Coffee break***

Biotechnology in Western Europe

16:40–17:05 ***Biotechnology in Spain***
Belén Gilarranz, Genoma España, Madrid (ES)

Ausgründungs- und Exit-Strategien in der Weißen Biotechnologie
Foundation of Spin-Offs and Exit Strategies in the White Biotechnology
Convention Center (CC), Saal/Room Frankfurt
Donnerstag/Thursday, 09.10.2008, 09:00–12:30 Uhr/hrs

Ein Leitfaden für künftige Unternehmer
Der Transfer von wissenschaftlichen Erfindungen aus den Forschungslabors zu wirtschaftlich relevanten Strukturen kann durch die Gründung von Firmen realisiert werden. In diesem Workshop erläutern Fachexperten einige zentrale Aspekte vom initialen Identifizieren von transferfähigen „Ideen“ und Forschern, die offen für eine wirtschaftliche Verwertung ihrer Ergebnisse sind, bis hin zur handfesten Wertschöpfung und volkswirtschaftlichem Nutzen, sowie die damit verbundenen Probleme und sie zeigen umsetzbare Lösungen auf.

An Outline for Future Entrepreneurs
The transfer of scientific inventions from research laboratories to economically relevant structures may be realized by the foundation of companies. In this workshop, adept experts elucidate some central aspects from the initial identification of transferable „ideas“ and of researchers, who are amenable to an economic utilization of their results, up to a substantial creation of value and economic benefit, as well as the problems associated with this process; they also reveal feasible solutions.

Veranstalter/ *Organizer*	*Bio*[M] WB GmbH Am Klopferspitz 19 D-82152 Martinsried
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. Anmeldung erbeten unter http://www.biotechnica.de/54396 oder am “Registration desk” im Convention Center
Kontakt/ *Contact*	Prof. Dr. Haralabos Zorbas Telefon: +49 89 899679-26 Fax: +49 89 899679-40 E-mail: zorbas@bio-m.org

08:30–09:00 **Registrierung/Kaffee vor Saal Frankfurt (für registrierte Teilnehmer)**

09:00–09:05 **Begrüßung & Einleitung**
Prof. Dr. Haralabos Zorbas, Geschäftsführer, *Bio*[M] WB GmbH

09:05–09:20 **Wertschöpfung und Wertschöpfungspotentiale in der Weißen Biotechnologie – Lohnt es sich überhaupt, eine „Existenz” zu gründen?**
Univ.-Prof. Dr. Christoph Kaserer, Lehrstuhl für Finanzmanagement und Kapitalmärkte & Center for Entrepreneurial and Financial Studies (CEFS), Dekan, Fakultät für Wirtschaftswissenschaften, Technische Universität München

09:20–09:35 **Geschäftsmodelle in der Weißen Biotechnologie – Umsetzungen erfolgreicher Modelle am Markt**
Dr. Andre Koltermann, Group Vice President, Corporate Research & Development, Süd-Chemie AG

09:35–09:50 **Finanzierungskonzepte, Exit-Strategien – Was für Voraussetzungen sind dafür notwendig, dass man Geld bekommt?**
Hilmar Platz, Mitglied des Vorstandes, Kayenburg AG

09:50–10:05 **Fördermöglichkeiten des Bundes**
Wilfried Wascher, Leitung Technologietransfer und Unternehmensgründung, Projektträger Jülich

10:05–10:20 **Executive Search – Fast das Wichtigste: Ein gutes Management**
Heike Wolff (Managing Partner); André Neu (Managing Director), Wolff & Partner

10:20–10:35 **Steuerliche Rahmenbedingungen für innovative Unternehmensgründer in Deutschland**
Dr. Viola Bronsema, Geschäftsführerin, BIO Deutschland e.V.

10:35–10:50 **Pause**

10:50–11:05 **Anleitung zur Existenzgründung – Lernphase und Vorbereitung auf eine Unternehmensgründung**
Werner Arndt, Geschäftsführer, Münchener Businessplan-Wettbewerb

11:05–11:20 **Technologietransfer – professionelle Hilfe**
Prof. Dr. Alexander J. Wurzer, Geschäftsführer, PATEV GmbH & Co. KG Global IP Management

11:20–11:35 **Wertschöpfungspotentiale, Innovationsmanagement - Systematisches Vorgehen in einem Großunternehmen**
Dr. Günter Wich, Director Research & Development Biotechnology, Wacker Chemie AG

11:35–11:50 **Technologie-Scouting**
Prof. Dr. Haralabos Zorbas, Geschäftsführer, *Bio*[M] WB GmbH

11:50–12:30 **Podiumsdiskussion**
Moderation: PD Dr. Dieter Sell, Abteilung Biotechnologie, DECHEMA e.V.

BiomeTI Roadshow
Convention Center (CC), Saal/Room Bonn
Donnerstag/Thursday, 09.10.2008, 09:15–16:00 Uhr/hrs

Turning ideas into value: Biomedizinische Forschung und Wissenstransfer in der Gesundheitsregion Hannover – Braunschweig
Die Region Hannover-Braunschweig, Heimat der BIOTECHNICA, ist europaweit einer der führenden Standorte für biomedizinische Forschung und Entwicklung. Industriepartnern bietet sie umfassende Kooperationsmöglichkeiten von der Grundlagen- und anwendungsbezogenen Forschung über alle Phasen der klinischen Studien bis hin zur Markteinführung von Produkten. Die Veranstaltung informiert über die aktuelle, dynamische Entwicklung der Forschungslandschaft in der Region und ihre Leistungen für Unternehmen im Innovationsprozess.

Turning ideas into value: Biomedical research and knowledge transfer in the Hanover-Brunswick region
The Hanover-Brunswick region, home of the BIOTECHNICA, is one of the leading places for biomedical research and development in Europe. Industrial partners are being offered broad opportunities for co-operation, from basic research and development over all phases of clinical studies right to the market launch of products. The event will inform about recent developments in the region's research infrastructure and its service capacities for innovating companies.

Veranstalter/ *Organizer*	BiomeTI e.V. Garbsener Landstr. 10 D-30419 Hannover in Zusammenarbeit mit: Deutsche Messe AG
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahmegebühr inkl. gesetzl. MwSt. und Messeeintrittskarte: 130,00 EUR Industrie / 60,00 EUR Hochschulen Anmeldung erforderlich über Deutsche Messe AG unter http//:www.biotechnica.de/kon oder am "Registration desk" im Convention Center – Foyer
Kontakt/ *Contact*	Dr. Andreas Ostendorf Telefon: +49 511/2772810 Fax: +49 511/2772819 E-mail: info@biometi.de

08:30–09:15	**Registrierung und "Welcome Coffee"**
09:15–09:25	**Grußwort** Stephan Ph. Kühne, Mitglied des Vorstandes, Deutsche Messe AG
09:25–09:40	**Forschung, Entwicklung und Transfer aus einer Hand: Das Niedersächsische Zentrum für Biomedizintechnik (NZ-BMT)** Prof. Dr. Erich Barke, Präsident der Leibniz Universität Hannover
09:40–09:55	**Kompetenz in Biokompatibilität und Implantatimmunologie: Verbundinstitut CrossBIT** Prof. Dr. med. Henning Windhagen, Klinik für Orthopädie, Medizinische Hochschule Hannover
09:55–10:10	**Neue Technologien zur Unterstützung des Hörens und neue Biomaterialien: Verbundinstitut VIANNA und SFB 599** Prof. Dr. Thomas Lenarz Klinik und Poliklinik für Hals-Nasen-Ohren-Heilkunde, Medizinische Hochschule Hannover
10:10–10:25	**Klinische Forschung für den Patienten: Hannover Center for Translational Medicine (HCTM)** Prof. Dr. Norbert Krug, Fraunhofer Institut für Experimentelle Medizin, Hannover
10:25–10:40	**Turning ideas into value: Strategien des Landes Niedersachsen zur Entwicklung der Gesundheitswirtschaft** Helmut Heyne, Niedersächsisches Ministerium für Wirtschaft, Arbeit und Verkehr
10:40–11:00	**Kaffeepause**
11:00–11:15	**Forschungsexzellenz in der regenerativen Medizin: REBIRTH und Transregio 37** Prof. Dr. Axel Haverich, Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie, Medizinische Hochschule Hannover
11:15–11:30	**Entwicklung richtungsweisender Standards im Bereich der Gewebezüchtung: GMP-Labor Tissue Engineering** Prof. Dr. Thomas Scheper, Institut für Technische Chemie, Leibniz Universität Hannover
11:30–11:45	**Die Region Hannover auf dem Weg zur Gesundheitsregion der Zukunft** Andreas Heyer, Geschäftsführer, hannoverimpuls GmbH
11:45–12:00	**Professionelles Management klinischer Studien für den medizinischen Fortschritt: HCTC GmbH** Prof. Dr. Heiko von der Leyen, Hannover Clinical Trial Center GmbH / Medizinische Hochschule Hannover
12:00–12:15	**Planung, Organisation und vernetzte Durchführung von klinischen Studien an der MHH: KS-MHH** Dr. Bernd Eisele, KS-MHH, Medizinische Hochschule Hannover
12:15–12:30	**Von der Grundlagenforschung zum marktfähigen Produkt: Wissenstransfer durch den BiomeTI e.V.** Dr.-Ing. habil Andreas Ostendorf, Vorstandssprecher BiomeTI e.V.
12:30–13:30	**Mittagspause mit Imbiss**
13:30–13:45	**Von der Grundlagenforschung an den Patienten: TwinCore – Translationszentrum für experimentelle und klinische Infektionsforschung, ein Verbundprojekt aus Hannover und Braunschweig** Prof. Dr. Ulrich Kalinke, Twincore, Center for Experimental and Clinical Infection Research, Hannover, Braunschweig
13:45–14:00	**Deutschlands führendes Zentrum für Transplantationsforschung: IFB-Tx** Prof. Dr. Hermann Haller, Klinik für Nieren- und Hochdruckerkrankungen, Medizinische Hochschule Hannover
14:00–14:15	**Biomedizintechnik an der Leibniz Universität Hannover: Engineering for Health im ZBM** Prof. Dr. Birgit Glasmacher, Institut für Mehrphasenprozesse, Leibniz Universität Hannover

14:15–14:30 **Neue Allianzen für medizinischen Fortschritt und Qualität**
N.N., Bundesverband Medizintechnologie e.V.

14:30–15:00 **Abschlussdiskussion**

15:00–16:00 **Angebot eines organisierten Messerundganges**

jobvector-check
Convention Center (CC) – Arkaden, Raum 216/218
Donnerstag/Thursday, 09.10.2008, 09:00–18:00 Uhr/hrs

Bewerbungsmappencheck
Am jobvector career day bietet jobvector gemeinsam mit der Personalagentur Kelly Scientific Resources eine fachspezifische Durchsicht Ihrer Unterlagen an. In kleinen Gruppen werden die Stärken und Schwächen der mitgebrachten Bewerbungen analysiert. Die intensive Analyse und Beratung wird in Kleingruppen in separierten ruhigen Räumlichkeiten durchgeführt.
Die Anzahl der Teilnehmer ist beschränkt; bitte melden Sie sich frühzeitig an. Eine Nachrückerliste wird am Career day vor Ort berücksichtigt. Weitere Informationen unter: http://www.jobvector.com/biotechnica

Checks of individual applications
On the jobvector career day, the HR agency Kelly Scientific Resources offers an expert check of your documents in cooperation with jobvector. In small groups the strong and weak points of your application you bring along, will be analyzed. The intense check and consultation takes place in separate and quiet rooms. The number of participants is limited; please register early. There will be a waiting list: on the career day, applicants will get the chance to move up the list on the spot. Further Information: http://www.jobvector.com/biotechnica

Veranstalter/ *Organizer*	jobvector – the life science career center Kölner Landstrasse 40 D-40591 Düsseldorf
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. Anmeldung erforderlich. Weitere Informationen unter: http://www.jobvector.com/biotechnica
Kontakt/ *Contact*	Dr. Martina Sribar Telefon: +49 211 301384-08 Fax: +49 211 301384-18 E-mail: martina.sribar@jobvector.com

jobvector-Forum
Halle 9, Stand G79, Informationen am Stand G71/*Information at booth G71*
Donnerstag/Thursday, 09.10.2008, 09:15–17:30 Uhr/hrs

Vorträge zu Beruf und Karriere in den Life Sciences
Ein spannendes und unterhaltsames Vortragsprogramm rund um die Themen Berufswahl, Bewerbung und Karriere als Naturwissenschaftler erwartet Sie. Kleine und große attraktive Unternehmen stellen Karriereoptionen vor. Im "Bewerbungsgespräch live" wird sich ein Bewerber den Fragen des Personalverantwortlichen stellen – im Anschluss wird das Gespräch analysiert.
Weitere Informationen unter: http://www.jobvector.com/biotechnica

Here we put profession and career up for discussion
An exciting and comprehensive programme of talks surrounding the topics choice of profession, application and career in the natural sciences. Small and medium-sized companies present career-options. In a "live interview" an applicant answers questions posted by a HR manager- the conversation will be analyzed afterwards. Further inforamtion at: http://www.jobvector.com/biotechnica

Veranstalter/ *Organizer*	jobvector – the life science career center Kölner Landstrasse 40 D-40591 Düsseldorf
Sprache/ *Language*	Deutsch/German
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Dr. Martina Sribar Telefon: +49 211 301384-08 Fax: +49 211 301384-18 E-mail: martina.sribar@jobvector.com

09:15–09:30 **Aktueller Blick auf den Arbeitsmarkt für Biowissenschaftler**
Dr. Carsten Roller, VBIO e.V.

09:30–09:50 **Bewerben, aber richtig!**
Simone Flachmann, Kelly Scientific Resources

Perspektiven aus der Praxis: Firmen stellen sich vor

09:50–10:15 **World Leader in Serving Science**
Karl-Gerhard Hoppmann, Thermo Fisher Scientific

10:15–10:35 **DER Pionier für Biosimilars**
Mag. Gerold Krischker, Sandoz GmbH

10:35–11:00 **Pause**

Perspektiven aus der Praxis: Firmen stellen sich vor

11:00–11:25 **Einstiegs- und Karrieremöglichkeiten bei Merck**
Dr. Gerd Battermann, Yvonne Schlasa, Merck KGaA

11:25–11:45 **Join the QIAGEN team!**
Julia Kaiser, Qiagen GmbH

11:45–12:05 **Pause**

Bewerbungsgespräche live – Workshop:

12:05–12:25 **Über die Kunst, kleinste Dinge zu trennen**
Prof. Dr. Uwe Heinlein, Miltenyi Biotec GmbH

12:25–13:40 **Bewerbungsgespräch live – Ein Student kurz nach der Promotion führt ein reales Bewerbungsgespräch mit Herrn Lotz HR Manager, Miltenyi Biotec GmbH**

13:40–14:00 **Pause**

Perspektiven aus der Praxis: Firmen stellen sich vor

14:00–14:25 **Novartis Biologics. Start up excitement**
Dr. Stefan Ewert, Novartis AG

14:25–14:45	**Einstiegsmöglichkeiten für Naturwissenschaftler bei Olympus Europa** Dr. Hauke Kahl, Dörthe Drieschner, Olympus Europa Holding
14:45–15:05	**Setzen Sie Ihr Wissen mit Abbott für Leben und Gesundheit ein!** Joachim Walk, Abbott GmbH & Co. KG
15:05–15:25	**Pause**

Perspektiven aus der Praxis: Firmen stellen sich vor

15:25–15:50	**Value through Innovation – Einstiegs- und Entwicklungsmöglichkeiten** Manfred Hund, Boehringer Ingelheim Pharma GmbH & Co. KG
15:50–16:10	**Karrierechancen bei MKM** Esther Heil-Kottmair, Dr. Heidi Schmid, MKM Außendienst GmbH
16:10–16:30	**Berufsperspektiven bei Invitrogen / Invitrogen stellt sich vor** Dr. Arne Schierau, Invitrogen Ltd.
16:30–17:00	**jobvector – Jobsuche in der Praxis** Tom Wiegand, jobvector
17:00–17:30	**Preisausschreiben**

jobvector-jobtour
Halle 9, Stand G71
Donnerstag/Thursday, 09.10.2008, 09:00–18:00 Uhr/hrs

Im Gespräch mit Personalverantwortlichen
Auf der "jobvector-jobtour" können Sie an den Ständen beteiligter Firmen direkt mit Personalverantwortlichen ins Gespräch kommen. Sie können sich persönlich vorstellen und einen ersten Eindruck gewinnen. Das Begleitheft "Tourguide" führt Sie direkt zu den Firmen, die neue Mitarbeiter suchen (erhältlich als Download und direkt auf der Messe). Weitere Informationen unter:
http://www.jobvector.com/biotechnica

Talking to HR Managers
On the "jobvector-jobtour" you can talk to HR managers of diverse companies, waiting at their booth. You´ll have the possibility to introduce yourself and to get a first impression.
Our companion booklet, the "tourguide" leads you to the booths of those companies who are looking for new employees (available as download and at the fair).
Further Information:
http://www.jobvector.com/biotechnica

Veranstalter/ *Organizer*	jobvector – the life science career center Kölner Landstrasse 40 D-40591 Düsseldorf
Sprache/ *Language*	Deutsch oder Englisch / German or English
Teilnahme/ *Participation*	Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte. *Participation free of charge to BIOTECHNICA ticket holders.*
Kontakt/ *Contact*	Dr. Martina Sribar Telefon: +49 211 301384-08 Fax: +49 211 301384-18 E-mail: martina.sribar@jobvector.com

GENERAL INFORMATION BIOTECHNICA 2008

DURATION
Tuesday, 07.10.2008 to Thursday, 09.10.2008

OPENING HOURS
9.00 a.m. to 6.00 p.m.

EXHIBITON HALL
Hall 8 + 9 in the southern section of the Hannover Exhibition Grounds.
This hall is directly adjacent to the Convention Center

TICKETS AND PRICES
(for exhibition only and participation in conferences, forums in the Convention Center and Hall 9 which will be offered free of charge)

Register online – Save time and money!
Register online at www.biotechnica.de "my BIOTECHNICA" before you arrive in Hannover and enjoy the benefits.

- Save money – it's 4 € cheaper than on-site registration.
- Save the time it takes to register at the gates.
- Receive a free trade show planner for managing your personal information.

One-day ticket (at the ticket office)	31 € (advance sales 27 €*)
Three-day ticket (at the ticket office)	44 € (advance sales 40 €*)
pupils/students/trainees	11 €

*reduced price for prior Internet registration

CATALOGUE
Catalogue sales (as of September) 15 €
www.biotechnica.de/catalogue

HOW TO REACH US

By Car

From the North
Motorway A7 direction Kassel/Hannover, take the exit 55 Altwarmbüchen to motorway A37 (B3 Messeschnellweg) direction Hannover/Messe

From the East
Motorway A2 direction Magdeburg/Hannover/Dortmund, take the exit 47 Kreuz Hannover-Buchholz to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe

From the South
Motorway A7 direction Hannover/Hamburg, take the exit 60 Dreieck Hannover-Süd to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe

From the West
Motorway A2 direction Hannover/Magdeburg/Berlin, take the exit 46 Hannover-Lahe to motorway A37 (B3 Messe-Schnellweg) direction Hannover/Messe

Using a navigation system?
If you are using a navigation system to travel to the show, please enter the following destination

Street: Hermesallee
Postcode: 30521
City: Hannover

Hermesallee is the name of the street which runs parallel to the northern perimeter of the Exhibition Grounds.

GENERAL INFORMATION BIOTECHNICA 2008

HOW TO REACH US

By Train

Hannover Main Station offers all those services that make your stay in Hannover as comfort as possible. From Hannover Main Railway Station you reach the Exhibition Grounds by tram, lines 8 (entrance NORD 2), travel time: approx. 18 minutes, or tram line 6 (from city station “Kröpke”) to the station “Messe OST”

By Air

All year round from Hannover Airport – S-Railway Station is situated between terminal B and C.

Suburban Railway S5:
To the Main Railway Station by local railway connection (S-Bahn), travel time 12–15 minutes. From Main Railway Station to the Exhibition Grounds, entrances NORD 2 by tram, line 8.

Airport Bus Shuttle:
From Airport to Exhibition Grounds, Entrance SÜD 1

ACCOMMODATION

A comprehensive travel and accommodation service is provided by our partner Travel2Fairs GmbH. Reasonably priced options can be booked at www.travel2fairs.com or directly at www.biotechnica.de/visitorservice

Travel2Fairs GmbH,
Esperantostraße 4
30519 Hannover/Germany
Tel. +49 511-3 36 44-000
Fax +49 511-3 36 44-050
info@travel2fairs.com
http://www.biotechnica.de/selectedhotels

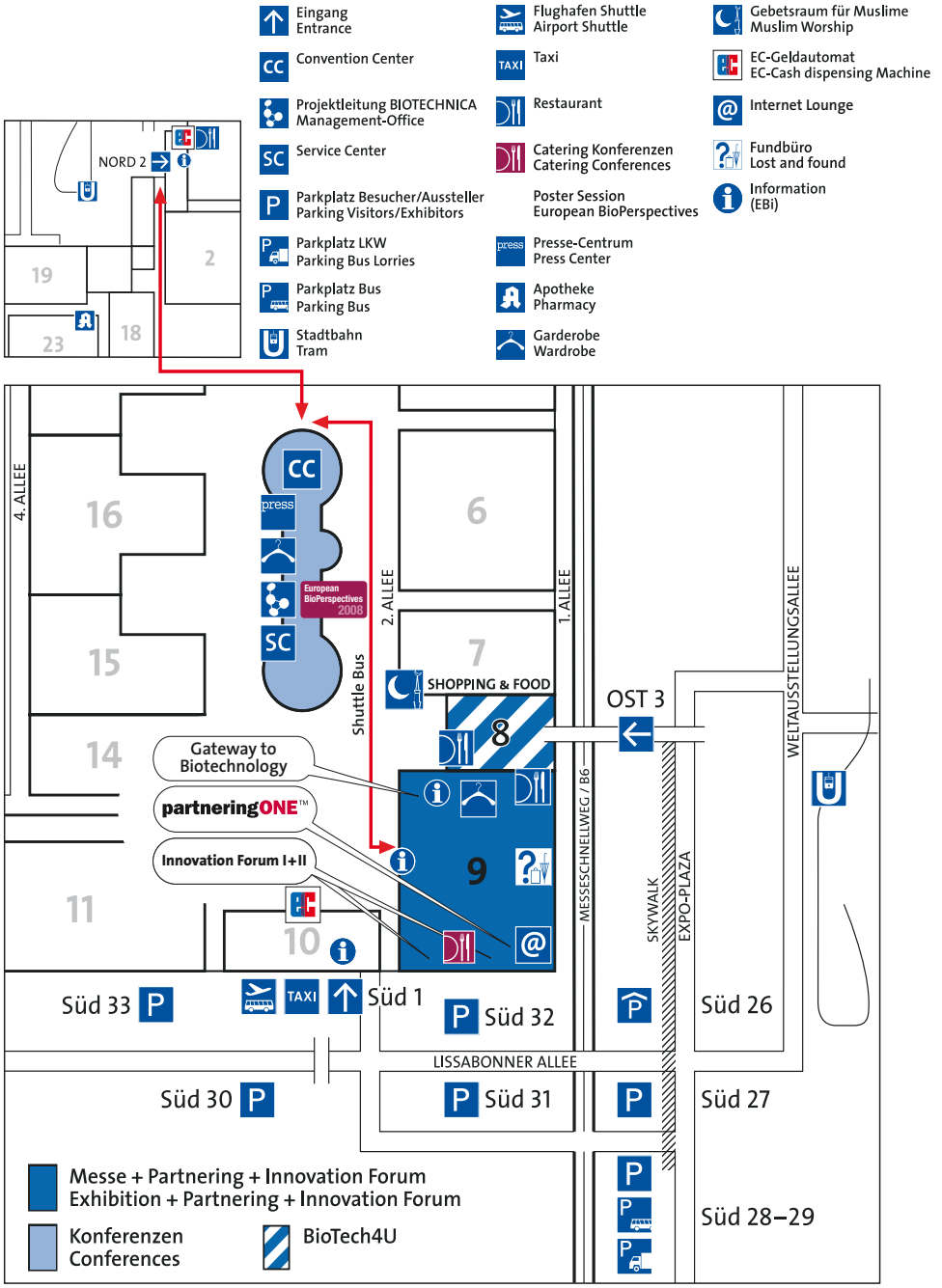
INTERNET LOUNGE
Hall 9, booth A59

For the first time in 2008, Deutsche Messe offers the visitors of BIOTECHNICAan Internet Area directly located in the exhibition hall.

In hall 9 you have the possibility on all three event days to use the Internet Lounge free of charge and to obtain current news and trends in the heart of the event on site. The terminals are available for your use during the opening times of the exhibition. Use your world wide web connection and our service – "stay tuned".

This service is being sponsored by sartorius

Map of Exhibition Ground



Convention Center (CC)