

7<sup>th</sup> International Congress and Exhibition  
**Forum Life Science**



**Pharma  
Development**



**Food &  
Nutrition**



**Industrial  
Biotechnology**

**23 – 24 March 2011**

**Technische Universität München  
Garching**

## Welcome

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Innovations are an important factor for the competitiveness of companies as well as regions like Bavaria. A major area for innovation is the broad field of life sciences with the progress in biosciences offering manifold opportunities for the development of new technologies, products and services. For instance, the continuous decoding of biological systems enables the development of new, highly-specific pharmaceutical compounds for the treatment of complex diseases such as cancer, diabetes or cardiac disorders. In addition, the growing understanding of the relation between individual disposition, nutrition and well-being opens up chances for novel foods with health benefit. Finally, tailored microorganisms and new process technologies in the field of industrial biotechnology enable the production of chemicals or materials with new properties, especially based on renewable resources.

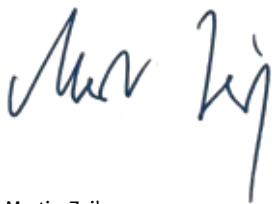
In all these fields Bavaria is a leading location with renowned companies and scientific institutes. Recent success in national competitions such as the Leading-Edge Cluster Competition or the establishment of German centres for health research underlines the high standard and promises further significant results. Many companies, particularly medium-sized businesses, use available results in order to develop new technologies, products and services in various applications, also striving for interdisciplinary collaboration with other companies and institutes.

The aim of the Cluster Initiative of the Bavarian government is to further expand regional networks between companies, universities and research institutions, and also to extend them on an international level to set further impulses for future innovations. Bayern Innovativ as the center for innovation and knowledge transfer established over the past 12 years the international congress 'Forum Life Science', a platform well-recognized in many countries. The objective of the congress is to present latest developments from industry and science as well as to outline future trends.

As a result of the current dynamics in biosciences the 'Forum Life Science 2011' is certainly again to become an extraordinary meeting point. Experts from Europe, North America and Asia will present for instance the development of novel, targeted therapies by new discoveries in systems biology, global strategies for providing micronutrients covering the entire value chain from plant to final product, as well as innovative processes for the production of novel platform chemicals as base materials for multifold subsequent applications. This 7th congress of Bayern Innovativ is conducted as part of the activities within the international 'Network Life Science', supports the objectives of the Bavarian Cluster Initiative and receives the comprehensive support of the Bavarian Ministry for Economic Affairs, Infrastructure, Transport and Technology.

The congress and the accompanying exhibition will form a highly attractive, international platform for information on latest developments and the establishment of new contacts to partners and customers for the instigation of future cooperations.

I wish the 'Forum Life Science 2011' every success and would like to cordially invite you to participate in the congress.



Martin Zeil  
Bavarian State Minister for Economic Affairs,  
Infrastructure, Transport and Technology

# Programme overview

## Wednesday, 23 March 2011

09:30 – 11:15

### Plenary session

11:30 – 12:15

Inauguration of the Research Centre of Industrial Biotechnology of the Technische Universität München

13:15 – 14:20

### Plenary session

#### Parallel sessions

14:30 – 16:10

**Pharma Development**  
Strategies for Novel Therapies and Translational Research

**Food & Nutrition**  
Global Food Supply – Meeting the Needs

**Industrial Biotechnology**  
Bioeconomy – Raw Material Shift and New Value Creation

16:35 – 18:00

Novel Approaches to Address Targets

Global Food Supply – Cooperation Strategies for Improved Value Creation

Biotechnological and Chemical Processes for the Utilization of Renewable Resources

From 19:00

Official reception of the Free State of Bavaria at the Munich Residence

## Thursday, 24 March 2011

#### Parallel sessions

09:30 – 12:00

**Pharma Development**  
Personalised Medicine and Biomarkers

**Food & Nutrition**  
Interactions of Nutrition and Health

**Industrial Biotechnology**  
Development of New Bioprocesses

13:30 – 14:55

Stem Cells for Disease Models and Therapy

Innovative Foods – Technologies and Products

Biobased Products – New Technologies and Strategies

15:30 – 16:55

Trends in Regenerative Medicine

Perspectives for Market Access of Innovative Foods

Biobased Products – Latest Developments and Perspectives

From 17:00

Get-together in the exhibition

Wednesday, 23 March 2011

From 08:30

Registration  
Visit of the exhibition



## Plenary session

Lecture Hall MW 2001

09:30 – 09:40

### Opening remarks

**Prof. Dr. Josef Nassauer**

Chief Executive, Bayern Innovativ GmbH, Nuremberg

09:40 – 10:00

### Welcome address and statement

**Prof. Dr. Drs. h.c. Wolfgang A. Herrmann**

President, Technische Universität München

10:00 – 10:25

### Politics supporting research and innovation

**Dr. Wolfgang Heubisch**

Bavarian State Minister of Sciences, Research and the Arts

10:25 – 10:50

### Chemistry and biotechnology – A productive partnership

**Dr. Rudolf Staudigl**

President & CEO, Wacker Chemie AG, Munich

10:50 – 11:15

### Plant Biotechnology – An essential building block for bioeconomy

**Dr. Stefan Marcinowski**

Member of the Board of Executive Directors, BASF SE, Ludwigshafen

11:15 – 13:15

### Lunch break in the exhibition

Inauguration of the Research Centre of Industrial Biotechnology of the Technische Universität München (11:30, Technology Centre of Industrial Biotechnology, Research Campus Garching)

13:15 – 13:40

### Imaging body fat maps – Correlation of nutrition and health

**Prof. Dr. Jimmy Bell**

Metabolic and Molecular Imaging Group, Imperial College, London, UK

13:40 – 14:05

### Molecular systems biology and the future of the life sciences

**Prof. Dr. Patrick Cramer**

Director, Gene Center Munich, Ludwig-Maximilians-Universität München, Munich

14:05 – 14:20

### Added value through target-oriented networks in the life sciences

**Prof. Dr. Josef Nassauer**, Chief Executive

**Dr. Matthias Konrad**, Project Leader Life Science, Bayern Innovativ GmbH, Nuremberg

14:20 – 14:30

### Transition to the parallel sessions



# Pharma Development

Lecture Hall MW 2001

# A

**Wednesday**  
**23 March 2011**

## Strategies for Novel Therapies and Translational Research

Chair: **Prof. Dr. med. Wolfgang Hiddemann**  
Department of Internal Medicine III-Hematology Oncology,  
University Hospital Munich-Großhadern

14:30 – 14:55

### Therapies of complex diseases – Challenges for health research

**Dr. Corinna Barz**, Head Translational Project Development, Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg

14:55 – 15:20

### An holistic approach to treat diabetes and its impact on R&D

**Prof. Dr. Jochen Maas**

General Manager, Research & Development, VP R&D Diabetes Division, VP R&D Europe, Sanofi-Aventis Deutschland GmbH, Frankfurt

15:20 – 15:45

### Identification of human gene defects as platform for novel therapeutic targets

**Prof. Dr. Christoph Klein**, Director, Department of Paediatrics (Dr. von Haunersches Kinderspital), Ludwig-Maximilians-Universität München, Munich

15:45 – 16:10

### Discussion and short presentations

16:10 – 16:35

### Coffee break in the exhibition

## Novel Approaches to Address Targets

Chair: **Prof. Dr. Arne Skerra**  
Chair of Biological Chemistry,  
Technische Universität München, Freising-Weihenstephan

16:35 – 17:00

### Expanding the target universe – New strategies in target selection

**Prof. Dr. Andrew Hopkins**

Biological Chemistry and Drug Discovery,  
College of Life Sciences,  
University of Dundee, UK

17:00 – 17:25

### Addressing targets in the brain – Transport of drugs across the blood-brain barrier

**Dr. Jean-Paul Castaigne, MD, MBA**

President and CEO,  
Angiochem, Montreal, Québec, Canada

17:25 – 17:50

### Addressing microRNAs – Therapeutic opportunities for metabolic diseases

**Prof. Dr. Markus Stoffel**

Institute of Molecular Systems Biology,  
ETH Zurich, Switzerland

17:50 – 18:00

### Discussion



**Official reception of the  
Free State of Bavaria**



## Food & Nutrition

Lecture Hall MW 1801

# B

**Wednesday**  
**23 March 2011**

### Global Food Supply – Meeting the Needs

Chair: **Prof. Dr. Alfons Gierl**

Chair of Genetics and Dean, Center of Life and Food Sciences Weihenstephan, Technische Universität München, Freising-Weihenstephan

14:30 – 14:55

#### Micronutrient intake and requirements – A global perspective

**Dr. Manfred Eggersdorfer**, Senior Vice President Nutrition Science & Advocacy, DSM Nutritional Products, Basel, Switzerland

14:55 – 15:20

#### Biofortification of plants for nutrition – GMO or non-GMO?

**Prof. Dr. Wilhelm Gruissem**

Institute of Plant Sciences,  
ETH Zurich, Switzerland

15:20 – 15:45

#### Stress tolerance in agricultural crops – The future lies in genome research

**Prof. Dr. Chris-Carolin Schön**

Chair of Plant Breeding, Technische Universität München, Freising-Weihenstephan

15:45 – 16:10

#### Discussion and short presentations

16:10 – 16:35

#### Coffee break in the exhibition

### Global Food Supply – Cooperation Strategies for Improved Value Creation

Chair: **Dr. Detlef Virchow**

Executive Manager, Food Security Center, University of Hohenheim, Stuttgart

16:35 – 17:00

#### Building a balanced Nigerian pineapple supply chain from agriculture through manufacturing and distribution to benefit farmers

**John Gregg**, Winning through African Research and Extension (WARE) – A project of the American Christian International Foundation, Lincoln, Nebraska, USA and the African Health and Agricultural Foundation, Owerri, Nigeria

17:00 – 17:25

#### The United Nations-Kraft Foods partnership in developing countries – Cheese production cooperation examples from Bhutan and Nicaragua

**Dr.-Ing. Alan Wolfschoon**

Research Principal, Cheese & Dairy Technology, Kraft Foods R&D Inc., Munich

17:25 – 17:50

#### Current situation of food safety in Thailand – Requirements and chances for cooperation

**Prof. Dr. Suwimon Keeratipibul**

Department of Food Technology,  
Chulalongkorn University, Bangkok, Thailand

17:50 – 18:00

#### Discussion

from 19:00 onwards at the Munich Residence



# Industrial Biotechnology

Lecture Hall MW 0001



**Wednesday**  
**23 March 2011**

## Bioeconomy – Raw Material Shift and New Value Creation

Chair: **Dr. Christian Patermann**  
Director retd. European Commission,  
Member of the German BioEconomyCouncil

14:30 – 14:55

### European perspective towards a biobased industry

**Dr. Alfredo Aguilar-Romanillos**, Head of Unit Biotechnology, Directorate Biotechnologies, Agriculture and Food, DG RTD, European Commission, Brussels, Belgium

14:55 – 15:20

### Beyond Pulp and Paper – Optimising the value chain of wood

**Jean Hamel**

Vice President, Pulp & Paper Division,  
FPInnovations, Point-Claire, Québec, Canada

15:20 – 15:45

### Biotechnological utilization of CO<sub>2</sub> as feedstock

**Dr. Thomas Haas**, Director Science-to-Business Center Bio,  
Creavis Technologies & Innovation, Evonik Degussa GmbH, Marl

15:45 – 16:10

### Discussion and short presentations

16:10 – 16:35

### Coffee break in the exhibition

## Biotechnological and Chemical Processes for the Utilization of Renewable Resources

Chair: **Prof. Dr. Haralabos Zorbias**  
Managing Director, Bio<sup>M</sup> WB GmbH, Martinsried

16:35 – 17:00

### Raw material shift as a challenge – Requirements to biotechnological and chemical processes

**Prof. Dr. Thomas Hirth**

Institute of Interfacial Engineering, University of Stuttgart,  
and Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart

17:00 – 17:25

### Sunliquid – Sustainable production of cellulosic ethanol from agricultural residues

**Dr. Andre Koltermann**

Group Vice President Corporate Research and Development,  
Süd-Chemie AG, Munich

17:25 – 17:50

### Succinic acid as platform for the chemical industry

**Patrick Piot**

Vice-President, Business Development,  
Bioamber S.A.S, Bazancourt, France

17:50 – 18:00

### Discussion

**Downtown Munich**  
Max-Joseph-Platz 3





# Pharma Development

Lecture Hall MW 2001

# A

**Thursday  
24 March 2011**

## Personalised Medicine and Biomarkers

Chair: **Prof. Dr. Horst Domdey**  
Managing Director,  
Bio<sup>M</sup> Biotech Cluster Development GmbH, Martinsried

09:30 – 09:55

### Challenges in personalised medicine – Diagnostics and data management

**Dr. Cord F. Stähler**

Chief Technology Officer, Health Care Sector, Siemens AG, Erlangen

09:55 – 10:20

### Molecular imaging and application to personalised medicine

**Prof. Dr. Axel Haase**, Director,

Institute for Medical Engineering (IMETUM), Technische Universität München, Garching

10:20 – 10:45

### Biomarkers for targeted therapies – Validation, qualification and role in approval

**Prof. Dr. Spiros Vamvakas**

Head of Scientific Advice,

European Medicines Agency, London, United Kingdom

10:45 – 11:10

### Personalised medicine for novel anti-platelet treatment

**PD Dr. Götz Münch**, CEO, Corimmun GmbH, Martinsried

**Prof. Dr. Steffen Maßberg**, German Heart Centre Munich

11:10 – 11:35

### Personalised healthcare and translational medicine in oncology R&D

**PD Dr. Christian Meisel**

Site Leader Oncology and Head Translational Medicine,

Pharma Research and Early Development, Roche, Penzberg

11:35 – 12:00

### Discussion and short presentations

12:00 – 13:30

### Lunch break in the exhibition

## Stem Cells for Disease Models and Therapy

Chair: **Prof. Dr. med. Matthias Schieker**

Professor for Regenerative Medicine and Head of Experimental Surgery and Regenerative Medicine, Department of Surgery, Hospitals of the LMU Munich

13:30 – 13:55

### The use of human pluripotent stem cells for disease modeling

**Prof. Dr. Nissim Benvenisty**

Director Stem Cell Unit, Institute of Life Sciences, The Hebrew University of Jerusalem, Israel

13:55 – 14:20

### Cells as a drug – The pharma view

**Prof. Dr. Ralf Huss**

Vice President Pharma Research & Early Development, Roche, Penzberg

14:20 – 14:45

### Advanced stem-cell based therapies

**Dr. Christine Günther**

CEO, Apceth GmbH & Co. KG, Munich

14:45 – 14:55

### Discussion

14:55 – 15:30

### Coffee break in the exhibition

## Trends in Regenerative Medicine

Chair: **Dr. Borris Haupt**

Project Manager Life Science, Bayern Innovativ GmbH, Nuremberg

15:30 – 15:55

### Adult neurogenesis – A future perspective for neurodegenerative diseases?

**Prof. Dr. med. Jürgen Winkler**

Division of Molecular Neurology, University Hospital Erlangen, Speaker *ForNeuroCell*

15:55 – 16:20

### Differentiation of pluripotent stem cells into insulin-producing cells

**Dr. Insa Schröder**, Department for Anatomy and Cell Biology, Martin Luther University Halle-Wittenberg, Halle

16:20 – 16:45

### Development of an autologous vascularised transplant with a view to the clinical trial phase I

**Prof. Dr. Heike Walles**

Chair for Tissue Engineering and Regenerative Medicine, University of Würzburg  
Fraunhofer Project Group 'Regenerative Technologies for Oncology', Würzburg

16:45 – 16:55

### Discussion

from 17:00

### Get-together in the exhibition



# Food & Nutrition

Lecture Hall MW 1801

# B

**Thursday  
24 March 2011**

## Interactions of Nutrition and Health

Chair: **Prof. Dr. Hannelore Daniel**  
Molecular Nutrition Unit, Z I E L Research Center for Nutrition and Food Science,  
Technische Universität München, Freising-Weihenstephan

09:30 – 09:55

### Green tea ingredients – Impact on metabolite spectrum

**Prof. Dr. Werner Klaffke**, Director Global Discovery Platform Nutrition & Health,  
Unilever Discovery, Vlaardingen, The Netherlands

09:55 – 10:20

### Comprehensive metabolite profiling for the early detection of type 2 diabetes – Perspectives for nutritional intervention

**Dr. med. Volker Liebenberg**, Manager Biomarker Program, Metanomics Health GmbH, Berlin

10:20 – 10:45

### Sensory action of foods – Molecular basis, analytical methods, optimisation

**PD Dr. Andrea Büttner**  
Department of Chemistry and Pharmacy, University of Erlangen-Nuremberg

10:45 – 11:10

### Molecular structure determination of food allergens

**Prof. Dr. Paul Rösch**  
Department of Biopolymers, University of Bayreuth

11:10 – 11:35

### Lifestyle and nutrition for healthy longevity

**Dr. Frans van der Ouderaa**, CSO, Leyden Academy on Vitality and Ageing,  
Director of Business Development, Netherlands Consortium for Healthy Ageing,  
Leiden University Medical Centre, Leiden, The Netherlands

11:35 – 12:00

### Discussion and short presentations

12:00 – 13:30

### Lunch break in the exhibition

## Innovative Foods – Technologies and Products

Chair: **Dr. Matthias Konrad**  
Project Leader Life Science, Bayern Innovativ GmbH, Nuremberg

13:30 – 13:55

### Natural food solutions by enzyme and fermentation technology

**Dr. Carl Erik Hansen**  
Group Manager Bioprocessing, Nestlé Research Center, Lausanne, Switzerland

13:55 – 14:20

### New tools for beverage and food innovations

**Dr. Joachim Tretzel**, Head of Group R&D, Döhler GmbH, Darmstadt

14:20 – 14:45

### Lupines – From feeding crop to bioactive food

**Dr. Katrin Hasenkopf**, Fraunhofer Institute for Process Engineering and Packaging IVV, Freising  
**Prof. Dr. Gabriele Stangl**, Institute for Agricultural and Nutritional Sciences,  
Martin Luther University Halle-Wittenberg, Halle

14:45 – 14:55

### Discussion

14:55 – 15:30

### Coffee break in the exhibition

## Perspectives for Market Access of Innovative Foods

Chair: **Prof. Dr. Alfred Hagen Meyer**  
meyer//meisterernst Lawyers, Munich

15:30 – 15:55

### Evaluation of health benefits – From science to claim

**Dr. Jean-Michel Antoine**  
Senior Scientist, Danone Vitapole, Palaiseau, France

15:55 – 16:20

### How can a Health Claim be verified in humans?

**Prof. Dr. med. Hans Hauner**, Else Kröner-Fresenius-Centre for Nutritional Medicine,  
Technische Universität München, Munich/Freising-Weihenstephan

16:20 – 16:45

### Functional Food – From idea to successful implementation

**Xaver Steiner**  
Managing Director, Kyberg Ernährung GmbH, Oberhaching

16:45 – 16:55

### Discussion

from 17:00

### Get-together in the exhibition



# Industrial Biotechnology

Lecture Hall MW 0001



**Thursday**  
**24 March 2011**

## Development of New Bioprocesses

Chair: **Prof. Dr. Andreas Liese**  
Institute of Technical Biocatalysis, Hamburg University of Technology (TUHH)

09:30 – 09:55

### Cell-free bioproduction of industry alcohols

**Prof. Dr. Volker Sieber**, Chair for Chemistry of Biogenic Resources, Technische Universität München, Straubing Center of Science, Straubing

09:55 – 10:20

### Production of bio-succinic acid – Hosts, fermentation and downstream processing

**Prof. Dr. Dirk Weuster-Botz**  
Institute of Biochemical Engineering, Technische Universität München, Garching

10:20 – 10:45

### Colony screening in microdroplets – An evolving platform for the screening of biocatalysts

**Prof. Dr. Sven Panke**  
Department of Biosystems Science and Engineering (D-BSSE), ETH Zurich, Switzerland

10:45 – 11:10

### Separation of bioproducts – From structure to process

**Prof. Dr. Jürgen Hubbuch**, Institute of Biotechnology and Food Technology, Karlsruhe Institute of Technology, Karlsruhe

11:10 – 11:35

### From lab scale to full commercial – Scale-up and tech-transfer of bioprocesses

**Dr. Marco Jenzsch**  
Director Fermentation,  
Pharma Biotech Production, Roche, Penzberg

11:35 – 12:00

### Discussion and short presentations

12:00 – 13:30

### Lunch break in the exhibition

## Biobased Products – New Technologies and Strategies

Chair: **Michel Lachance**  
Director Industrial Bioproducts,  
Centre québécois de valorisation des biotechnologies – CQVB, Québec, Canada

13:30 – 13:55

### Artificial Pathway Design – Molecular tools for the establishment of a microbial route to 1,2-Propanediol

**Dr. Guido Meurer**, Unit Head Microbial Production Technologies, B.R.A.I.N. AG, Zwingenberg

13:55 – 14:20

### Developing industrial production processes from renewable resources for bulk chemicals

**Dr. Rainer Figge**, Head of R&D, Metabolic Explorer S.A., Saint Beauzine, France

14:20 – 14:45

### Innovations of sugarcane

**Letícia Phillips**  
Government and Institutional Relations, North America,  
Brazilian Sugarcane Industry Association – UNICA, Sao Paulo, Brazil

14:45 – 14:55

### Discussion

14:55 – 15:30

### Coffee break in the exhibition

## Biobased Products – Latest Developments and Perspectives

Chair: **Dr. Andre Koltermann**  
Group Vice President Corporate Research and Development, Süd-Chemie AG, Munich

15:30 – 15:55

### Biotechnological routes towards green polyvinyl acetate

**Dr. Günter Wich**  
Director Biotechnology Corporate R&D, Wacker Chemie AG, Munich

15:55 – 16:20

### Production of food ingredients by cell factories with enhanced metabolic function

**Jochen Förster**  
Chief Operating Officer, Fluxome A/S, Stenløse, Denmark

16:20 – 16:45

### Industrial production and applications development of spider silk for high-performance materials

**Axel H. Leimer**,  
CEO, AMSilk GmbH, Martinsried

16:45 – 16:55

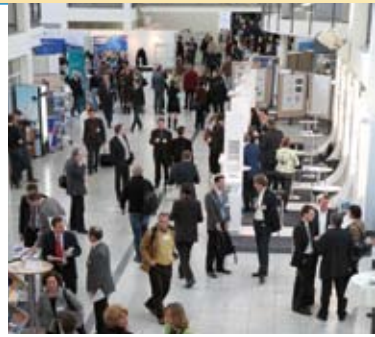
### Discussion

from 17:00

### Get-together in the exhibition

# Exhibition

Exhibitors include among others:



- A** ADAPT Localization Services GmbH, Bonn  
Alps Bio Cluster, European Project, Freising  
Association of German Biotechnology Companies (VBU), Frankfurt/Main
- B** Bavarian Red Cross Blood Donor BioBank, Munich  
Bavarian Research Alliance, Munich  
Bavarian Research Cooperation ForZebRA – cell based regeneration of the musculoskeletal system in old age, Munich  
Bavarian Research Foundation, Munich  
Bavarian State Ministry of Food, Agriculture and Forestry, Munich – Food Cluster  
Bayerische Chemieverbände, Munich  
Bayerische Patentallianz GmbH, Munich  
Bayern Innovativ GmbH – ‘Network Life Science’, Nuremberg  
Bayern International GmbH, Munich  
Bayern Kapital GmbH, Landshut  
BayGene, Bavarian Genome Research Network, Munich  
BINDER GmbH, Tuttlingen  
BioCampus Straubing GmbH, Straubing  
BIOCRATES Life Sciences AG, Innsbruck, Austria  
BioIndustrie 2021  
Bio<sup>M</sup> Biotech Cluster Development GmbH, Martinsried  
Bio<sup>M</sup> WB GmbH, Martinsried  
BioPark Regensburg GmbH, Regensburg  
BIOTECHNICA by Deutsche Messe, Hanover  
Bühler Motor GmbH, Nuremberg  
Bundesverband der Pharmazeutischen Industrie e. V. (BPI), Berlin  
Business Enterprise Company IZB GmbH, IZB Martinsried & Weihenstephan
- C** CAMBRELLA - A pan-European research network for complementary and alternative medicine, Munich  
Cfm Oskar Tropiczsch e.K., Marktredwitz  
Chemie-Cluster Bayern, Munich  
CLIB2021 - Cluster Industrielle Biotechnologie, Düsseldorf  
Cluster Biocatalysis 2021, Hamburg  
Cluster Biopolymers/Biomaterials, Stuttgart  
Cluster Biotechnology Bavaria, Munich  
Cluster Integrated Bioindustry Frankfurt (CIB), Wiesbaden  
Cluster Medical Technology, Nuremberg  
Competence Centre for Food- and Packaging Technology (ZLV e. V.), Kempten
- D** DECHEMA Gesellschaft für Chemische Technik und Biotechnologie e. V., Frankfurt/Main  
Definiens AG, Munich
- E** engineo GmbH, Frankfurt/Main  
Enterprise Europe Network/EU-Cooperation Unit Bayern Innovativ, Nuremberg  
Eurofins MWG Operon, Ebersberg
- F** Fisher Scientific GmbH, Schwerte  
FORNEUROCELL - Bavarian Research Cooperation for adult neural stem cells, Erlangen  
FORPROTECT - Bavarian Research Cooperation for infection protection by means of new diagnostic and therapeutic methods, Munich  
Forum MedTech Pharma e.V., Nuremberg  
Fraunhofer Group for Life Sciences, Hanover  
Fraunhofer Institute for Industrial Mathematics ITWM, Kaiserslautern  
Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart – Fraunhofer Project Group BioCat, Straubing  
Fraunhofer Institute for Process Engineering and Packaging IVV, Freising  
Fraunhofer Institute for Toxicology and Experimental Medicine ITEM, Hanover  
Fraunhofer Research Institution for Modular Solid State Technology EMFT, Munich
- G** German Association of Research-based Pharmaceutical Companies (vfa), Berlin
- H** Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg
- I** Innovation and Entrepreneur Center Wuerzburg  
ITG Isotope Technologies Garching GmbH, Garching  
itm FlowMedical GmbH, Garching  
ITM Isotopen Technologien München AG, Garching  
itm OncoBeta GmbH, Garching

- K** KNAUER Wissenschaftliche Gerätebau Dr.-Ing. Herbert Knauer GmbH, Berlin  
Kyberg Ernährung GmbH, Oberhaching
- L** LfA Förderbank Bayern, Munich  
LGC Genomics GmbH, Berlin  
Linde-KCA-Dresden GmbH, Dresden  
LipoFIT Analytic GmbH, Regensburg
- M** M+W Process Industries GmbH, Stuttgart  
Memmert GmbH + Co. KG, Schwabach  
Munich Biotech Cluster
- N** NETZSCH-Feinmahltechnik GmbH, Selb
- P** PANATEcs GmbH, Tübingen  
Patent Law Firm Dr. Volker Vossius, Munich  
Postnova Analytics GmbH, Landsberg  
PreSens Precision Sensing GmbH, Regensburg  
Protagen AG, Dortmund
- R** RP-München GmbH, Garching  
Roche Diagnostics GmbH, Penzberg
- S** Sartorius Stedim Biotech GmbH, Göttingen  
Silantes GmbH, Munich  
Straubing Center of Science, Chair of Chemistry of Biogenic Resources, TU München, Straubing  
Straubing - Region der nachwachsenden Rohstoffe  
Süd-Chemie AG, Munich  
Surface Measurement Systems (SMS), London
- T** TBU - Consortium of the Technology Transfer Offices of the Bavarian Universities, Munich  
Technische Universität München - IKOM, Garching  
Technische Universität München - Institute of Biochemical Engineering, Garching  
Technische Universität München - Munich School of Engineering, Garching  
Technische Universität München - Research Centre of Industrial Biotechnology, Garching  
Thermo Fisher Scientific, Langenselbold
- V** VBIO - German Life Sciences Association, Munich
- Z** Z I E L - Research Center for Nutrition and Food Sciences - Z I E L-TUM-Academy, Freising-Weihenstephan

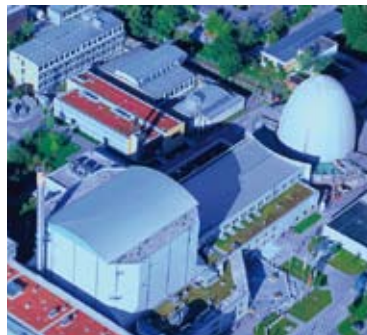
Updated list of exhibitors and application form available at:  
[www.bayern-innovativ.de/fls2011en/exhibition](http://www.bayern-innovativ.de/fls2011en/exhibition)

## Visits



The Technische Universität München establishes a Research Centre of Industrial Biotechnology across faculties to develop Industrial Biotechnology as a strong interdisciplinary research and education focus. The centre is located at the research campus Garching.

Appointments for a visit of the centre can be arranged during the 'Forum Life Science' (information available at the stand of the TUM research centre in the exhibition).



ITM AG offers the latest generation of highly effective radioisotopes for nuclear medicine therapy and diagnostic purposes, produced at the Research Neutron Source FRM II. These include radioisotopes for peptide receptor radiotherapy of neuroendocrine tumours, for endovascular and skin tumour treatment as well as for applications in clinical diagnostics.

A visit to the Research Neutron Source FRM II and the ITM AG is possible during the 'Forum Life Science' congress (Further information and registration at the exhibition stand of ITM AG as well as on the website [www.bayern-innovativ.de/fls2011en](http://www.bayern-innovativ.de/fls2011en)).

### Concept of congress and exhibition:

Prof. Dr. Josef Nassauer, Dr. Matthias Konrad, Dr. Borris Haupt, Dr. Monika Mügtschl-Scharf, Bayern Innovativ GmbH, Nuremberg

## Sponsors



## Partners



## Cluster Initiative Bavaria



The Cluster Initiative of the Bavarian Government is the roof for 19 clusters in key sectors and technology fields relevant to the Bavarian industry. The 'Network Life Science' of Bayern Innovativ supports the following four clusters:



The Cluster Biotechnology strengthens the ties between the Bavarian local regions by maintaining a state-wide network comprising of research institutes, life-science companies und network organizations. Major strategies are, among others, promoting technology transfer between academic institutions and the industry as well as within the industry itself, providing advice on financing opportunities and funding programs and training of biotech industry employees. By improving the internal network the access through partners from outside shall be facilitated.



Main objectives of the Food Cluster are initiation of cooperation projects, regional marketing, optimising the control of quality and origin of agricultural products as well as profiling the Bavarian academic landscape. Topics are e.g. dairy, meat, beer, wine, fruit, vegetable and potatoes industry.



Chemie-Cluster Bayern has been established as an international project development platform for Bavarian companies and research institutes, regardless of their number of employees or size and fosters innovation in the fields of mobility, energy, climate, consumer goods, efficient production and construction materials.



The activities within the Cluster Medical Technology with its focus on training, clinical trials as well as markets and products are aiming at further strengthening the linkage between science and industry in Bavaria. The Cluster Medical Technology is operated by the Forum MedTech Pharma, one of the leading networks for cooperation in the healthcare sector.

# General Information

[www.bayern-innovativ.de/fls2011en](http://www.bayern-innovativ.de/fls2011en)

■ <b>Overall Coordination</b>	Bayern Innovativ GmbH, Gewerbemuseumsplatz 2, 90403 Nuremberg, Germany Phone: +49 911-20671-153, Fax: +49 911-20671-733 lifescience2011@bayern-innovativ.de, <a href="http://www.bayern-innovativ.de">www.bayern-innovativ.de</a>		
■ <b>Venue</b>	Technische Universität München – Garching, Faculty of Mechanical Engineering Boltzmannstr. 15, 85748 Garching, Germany		
■ <b>Time of Conference</b>	Wednesday, 23 March 2011	Sessions 09:30 – 18:00 Exhibition 08:30 – 18:00	
	Thursday, 24 March 2011	Sessions 09:30 – 17:00 Exhibition 08:30 – 18:00	
■ <b>Reception</b>	Wednesday, 23 March 2011, 19:00 – 22:00 Munich Residence, Max-Joseph-Platz 3, 80539 Munich, Germany		
■ <b>Congress Languages</b>	German and English, Sessions will be simultaneously translated		
■ <b>Registration</b>	Via fax reply to: +49 911-20671-733 or <a href="http://www.bayern-innovativ-shop.de/fls2011">www.bayern-innovativ-shop.de/fls2011</a> (in German)		
■ <b>Closing Date for Registration</b>	<b>16 March 2011</b>		
■ <b>Registration Fee</b>	Incl. seminar documents, catering and official reception		
	Industry:	<b>2 days € 420,-</b>	<b>1 day € 240,-</b>
	Members of the Forum MedTech Pharma e.V.:	<b>2 days € 290,-</b>	<b>1 day € 170,-</b>
	Representatives of universities, public authorities:	<b>2 days € 210,-</b>	<b>1 day € 120,-</b>
	Students:	<b>2 days € 40,-</b>	<b>1 day € 20,-</b>
	Charges do not include VAT (19%)		
■ <b>Registration Conditions</b>	On receipt of your registration, confirmation will be sent to the e-mail address given. An invoice will be sent via post to the provided address unless otherwise stated. Cancellations received before 16 March 2011 are exempt from charges. For later cancellations and for non-attendance, the full amount will be incurred. Substitution of participants is possible according to prior agreement. Programme subject to change.		
■ <b>Accommodation</b>	Information is available at: <a href="http://www.bayern-innovativ.de/fls2011en/information">www.bayern-innovativ.de/fls2011en/information</a>		
■ <b>Directions</b>	<b>By public transportation:</b> From Munich Central Station, take the S-Bahn to Marienplatz (two stops, direction 'Ostbahnhof'). From Marienplatz, take the U6 to 'Garching-Forschungszentrum' station. From Munich airport take the S1 (S-Bahn) to Neufahrn (near Freising), from there take bus 690 direction 'Garching-Forschungszentrum' (= terminal stop, approx. 40 minute journey), alternatively: by taxi (from Munich airport approx. 30 minute journey). <b>Parking:</b> There is parking (free of charge) available on the grounds of the Technische Universität München-Garching.		



The 'Forum Life Science 2011' is funded by the Bavarian State Ministry for Economic Affairs, Infrastructure, Transport and Technology.



## Fax Reply



To Bayern Innovativ GmbH

### Fax +49 911-20671-733

- I would like to register for the 7th International Congress **'Forum Life Science 2011'** on 23 - 24 March 2011 at the Technische Universität München, Garching, Germany
- 23 – 24 March 2011       23 March 2011       24 March 2011

I will attend the following sessions:

- A: Pharma Development       B: Food & Nutrition       C: Industrial Biotechnology
- I will attend the official reception of the Free State of Bavaria at the Munich Residence on 23 March 2011.

Please register before 16 March 2011, using a separate form for each person. For registration fee and registration conditions see general information. The general terms and conditions as well as the terms of data privacy protection of Bayern Innovativ GmbH apply: [www.bayern-innovativ.de/agb](http://www.bayern-innovativ.de/agb); [www.bayern-innovativ.de/datenschutz](http://www.bayern-innovativ.de/datenschutz)

Please send me a registration confirmation and an invoice.

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Title, First Name, Surname

.....  
Company/Institute

.....  
Department, Position

.....  
VAT-No. (for companies based within the EU, except Germany)

.....  
Address

.....  
Town, Postal Code, Country

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Phone, Fax

.....  
E-mail

.....  
Date, Signature

- Industry       Student (Proof of status required)  
 Member of Forum MedTech Pharma e.V.       Press (Proof of status required)  
 University/Public authorities