

7th International Congress and Exhibition
Forum Life Science



**Pharma
Development**



**Food &
Nutrition**



**Industrial
Biotechnology**

23 – 24 March 2011
Technische Universität München
Garching

Welcome



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.

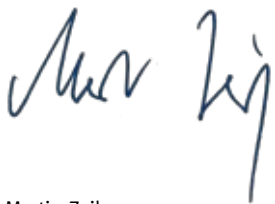
In all these fields Bavaria is a leading location with renowned companies and scientific institutes. Recent success in national competitions such as the Leading-Edge Cluster Competition or the establishment of German centres for health research underlines the high standard and promises further significant 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.

A handwritten signature in blue ink, appearing to read "Martin Zeil".

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

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 CO₂ 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^M 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^M 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

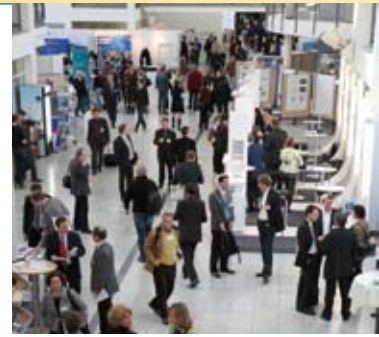
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Get-together in the exhibition

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^M Biotech Cluster Development GmbH, Martinsried
Bio^M 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 Tropitzsch 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

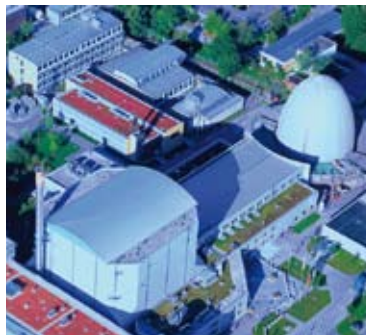
Updated list of exhibitors and application form available at:
www.bayern-innovativ.de/fls2011en/exhibition

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).

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 and 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

■ Overall Coordination	Bayern Innovativ GmbH, Gewerbemuseumsplatz 2, 90403 Nuremberg, Germany Phone: +49 911-20671-153, Fax: +49 911-20671-733 lifescience2011@bayern-innovativ.de, www.bayern-innovativ.de		
■ Venue	Technische Universität München – Garching, Faculty of Mechanical Engineering Boltzmannstr. 15, 85748 Garching, Germany		
■ Time of Conference	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	
■ Reception	Wednesday, 23 March 2011, 19:00 – 22:00 Munich Residence, Max-Joseph-Platz 3, 80539 Munich, Germany		
■ Congress Languages	German and English, Sessions will be simultaneously translated		
■ Registration	Via fax reply to: +49 911-20671-733 or www.bayern-innovativ-shop.de/fls2011 (in German)		
■ Closing Date for Registration	16 March 2011		
■ Registration Fee	Incl. seminar documents, catering and official reception		
	Industry:	2 days € 420,-	1 day € 240,-
	Members of the Forum MedTech Pharma e.V.:	2 days € 290,-	1 day € 170,-
	Representatives of universities, public authorities:	2 days € 210,-	1 day € 120,-
	Students:	2 days € 40,-	1 day € 20,-
		Charges do not include VAT (19%)	
■ Registration Conditions	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.		
■ Accommodation	Information is available at: www.bayern-innovativ.de/fls2011en/information		
■ Directions	By public transportation: 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).		
	Parking: 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; www.bayern-innovativ.de/datenschutz

Please send me a registration confirmation and an invoice.

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Title, First Name, Surname

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Company/Institute

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Department, Position

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

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Address

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Town, Postal Code, Country

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Phone, Fax

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E-mail

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Date, Signature

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