



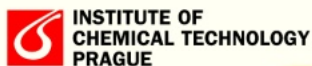
# Biotech 2011

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# 5<sup>th</sup> Czech-Swiss Symposium with Exhibition

Prague, 15-17 June 2011

[www.biotech2011.cz](http://www.biotech2011.cz)



Zürich University  
of Applied Sciences



Life Sciences and  
Facility Management

Institute of  
Biotechnology



## Scope of the conference

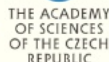
The symposium will promote collaboration in biotechnology research and development as well as in industrial activities. It will open a

window on particular activities in the field of life sciences and identify synergies. As a platform for personal, scientific, technical and commercial contacts, the highly interactive event should foster new collaborations. Long-term close collaboration between Czech and Swiss biotechnologies will find also opportunity for fruitful continuation.

The programme is divided into four thematic sessions: *Biotechnology in Pharma*, *Biotechnology in Nutrition*, *Biotechnology for Sustainable Growth* and *Novel Approaches in Bioprocessing*. During the event, institutions and companies will have the opportunity to exhibit and promote their latest technologies and achievements. Workshops strengthening the industry and academia relationships will be organized.

Forms of presentations include oral presentation, scientific poster presentation, industrial and commercial poster presentation and booths for commercial products presentation.

## Partners



## Preliminary symposium program

### Wednesday, June 15, 2011 - afternoon

#### Opening and Social Events

14:00 - 18:30 registration

16:00 symposium opening

Report on current state of Biotechnology in Switzerland and Czech Republic

- Information about Swiss Biotech Association (**Hans-Peter Meyer**)

- Information about Czech Biotechnology (**CzechInvest, CzechBio and MedChemBio**)

**Opening lecture:** What can the analysis of the individual human genomes tell us?  
(**Marek Minárik**, Genomac, CZ)

18:30 **Welcome Party**

### Thursday, June 16, 2011 - morning

8:30 - 12:30 **Biotechnology in Pharma**

Chairs: Hans-Peter Meyer (Lonza, CH), Marek Moša (Sevapharma, CZ)

**Sergio Schmid** (HES-SO Valais, CH)

Biotechnological production of peptides

**Reto Stöcklin** (Atheris Laboratories, Bernex-Geneva, CH)

Peptides from venomous marine snails for health

**Pavel Trefil** (RIBVD, CZ)

Transgenic poultry as possible tool for drug production

**Tomáš Ruml** (ICT Prague, CZ)

Gene therapy - assembly and transport of retroviral particles

10:30 - 11:00 coffee break & company presentations

**Hilmar Ebersbach** (Novartis, Basel, CH)

Next generation protein therapeutics

**Wilfried Weber** (University of Freiburg, DE)

Synthetic biology in mammalian cell technology and materials science

**Karel Ulbrich** (IMC AS CR, Prague, CZ)

Targeted polymeric systems

12:30 - 13:30 lunch

### Thursday, June 16, 2011 - afternoon

13:30 - 16:30 **Biotechnology in Nutrition**

Chairs: Pavel Dostálek (ICT Prague, CZ), Hans Kocher (Novartis, CH)

**Šárka Horáčková** (ICT Prague, CZ)

Probiotics in dairy products

**Jitka Ulrichová** (Palacký University, Olomouc, CZ)

Plant nutritional supplements

**free for proposal**

coffee break & company presentations

**Leo Meile** (ETH Zurich, CH)

Development of starter cultures for food fermentation: safety first, then function

**Peter Niederberger** (formerly Nestlé Research Centre, Lausanne, CH)

Status and perspectives for recombinant proteins in food industry

16:30 - 20:00 **Poster session & Beer Party**

#### Post-symposium

Olomouc Biotech 2011

Plant Biotechnology:

Green for Good

19-21 June 2011

[www.cr-hana.eu/G4G/](http://www.cr-hana.eu/G4G/)





## Friday, June 17, 2011 - morning

8:30 - 12:00 **Biotechnology for Sustainable Growth**

Chairs: Mojmir Rychtera (ICT Prague, CZ), Tobias Mersenburger (ZHAW, CH)

**Murray Moo Young** (University of Waterloo & ISEB, Canada)

Biomass-derived biofuels

**Tomáš Brányik** (ICT Prague, CZ)

The use of flue gas CO<sub>2</sub> for starch rich biomass production:

An alternative source of bioethanol

**František Kaštánek** (AS CR, Prague, CZ)

Recent advances in outdoor high-density cultivation of novelty micro-algae strain with high content of lipids

10:00 - 10:30 *coffee break & company presentations*

**Petra Patáková** (ICT, Prague, CZ)

Evaluation of sustainable production of biobutanol as renewable fuel

**Jiří Blažek** (IOCB AS CR, Prague, CZ)

Enzyme synthesis of prodrugs

**Urs Baier** (ZHAW, Wädenswil, CH)

Membrane bio-digesters for enhanced efficiency of biogas production

12:00 - 13:00 *lunch*

## Friday, June 17, 2011 - afternoon

13:30 - 16:30 **Novel Approaches in Bioprocessing**

Chairs: Rick Mommers (Lonza, CZ), Karin Kovar (ZHAW, CH)

**Jiří Damborský** (Masaryk University, Brno, CZ)

Engineering robust and efficient protein catalysis

**Miroslava Čikošová** (Lonza, CZ)

High throughput manufacturing of proteins and enzymes

**Jiří Vohradský** (IMG AS CR, CZ)

Modeling of genetic networks

14:30 - 15:00 *coffee break & company presentation*

**Alain D. Meyer** (ROOTec bioactives Ltd., Witterswil, CH)

High-value plant-derived compounds for human health and well-being

**Erich Hochuli** (formerly Roche/Genentech, Basel, CH)

Manufacturing of Avastin

**Radek Stloukal** (LentiKat's, CZ)

Encapsulation of biologically active compounds

16:30 - 17:00 **Closing & Poster Awards**

## Additional Program

Workshops on industry-academia relationships:

- workshop on student exchange opportunities in Switzerland and Czech Republic

- workshop on job opportunities

- The Journal Club - publishers-authors workshop (Dr. A. Newman, Elsevier)

## Social program

Friday 17 June 2011

Evening Prague - sightseeing



Jewish Quarter



Prague Astronomical Clock



Charles Bridge & Prague Castle

Saturday 18 June, 2011

Excursion to Lonza Biotec and sightseeing in Kutná Hora



Ossuary



Cathedral of St. Barbara





## Fees

	before 31 March 2011	after 31 March 2011
students	120 €	150 €
participants	250 €	300 €
accompanying persons	120 €	150 €

Payment in Czech crowns possible (1 € = 25 Kč)

**Fee includes:** opening session, welcome party, all symposium sessions, book of abstracts, list of participants, Current Swiss Biotech Association Directory, Life Sciences in Czech Republic, lunches and refreshments on Thursday and Friday and beer party on Thursday.

## Abstract submission

Deadline for abstract submission:

**31 March 2011**

On-line submission: [www.biotech2011.cz](http://www.biotech2011.cz)

## Exhibition & Sponsoring

Biotechnological, pharmaceutical and food industries are invited for presentation. For details and possibilities see [www.biotech2011.cz](http://www.biotech2011.cz).

## Acommodation

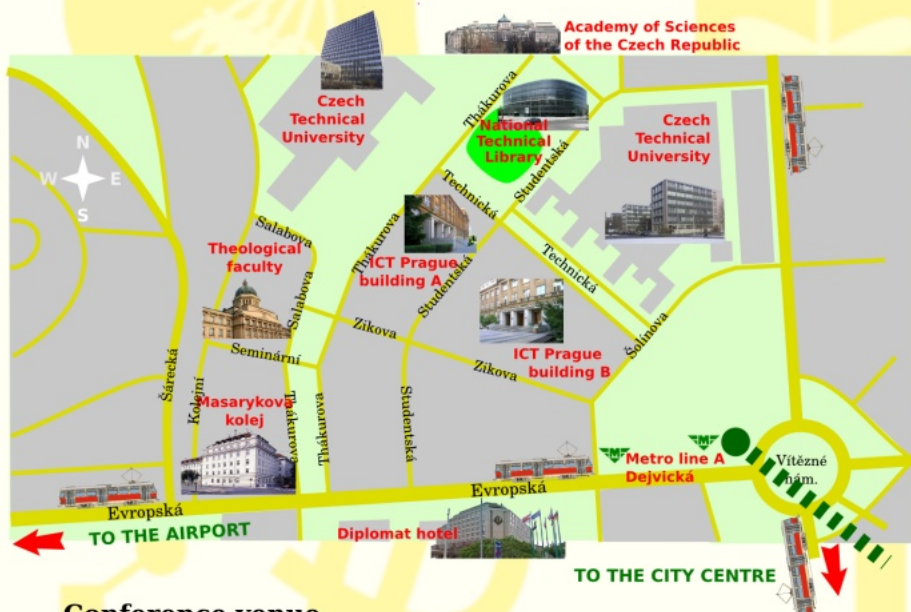
Many accomodation options at varying pricing levels are available in a close distance of the conference venue. For details see [www.biotech2011.cz](http://www.biotech2011.cz).

## Contact

Biotech 2011 & 5th Czech-Swiss Symposium with Exhibition, Institute of Chemical Technology Prague, Technická 3, Prague 6, 166 28, Czech Republic

**web:** [www.biotech2011.cz](http://www.biotech2011.cz)

**e-mail:** [biotech2011@vscht.cz](mailto:biotech2011@vscht.cz)



## Conference venue

The conference will take place in the newly built National Technical Library (NTL) in Prague 6 ([www.techlib.cz](http://www.techlib.cz))