



## USA-CZECH TECHNOLOGY DAYS, March 27-28, 2012, Chicago „Research and Development in the Czech Republic: Focus on the Biotechnology and Nanotechnology“

### PROGRAMME

#### Tuesday, March 27, 2012

**Venue:** University Technology Park at Illinois Institute of Technology  
Technology Business Center, 3440 S. Dearborn, Chicago, IL

- 9:00 a.m.** Registration and Networking
- 9:30 a.m.** Welcome address by Dr. John Anderson, President of Illinois Institute of Technology
- 9:35 a.m.** Opening address by H.E. Petr Gandalovic, Ambassador of the Czech Republic
- 9:40 a.m.** Welcome speech by H.E. Leos Heger MD, Minister of Health of the CR
- 9:50 a.m.** Welcome speech by Mr. Dennis Vicchiarelli, Managing Director of World Business Chicago
- 10:00 a.m.** Address by Mr. Orlando Saez, Deputy Director of the Office of Entrepreneurship, Innovation and Technology at the Department of Commerce and Economic Opportunity
- 10:10 a.m.** Address by Mr. David E. Miller, President & CEO of Illinois Biotechnology Industry Organization
- 10:20 a.m.** **Jiri Krechl**, Director of Research and Development Support Department, CzechInvest-Investment and Business Development Agency  
*Role of CzechInvest in Czech Innovation Policy*
- 10:30 a.m.** **Petr Kaiser**, Special Envoy for Science and Technology of the Ministry of Foreign Affairs  
*R&D in the Czech Republic – International Cooperation Imperative*
- 10:40 a.m.** **Marian Hajduch, MD, PhD, Associate Professor of Oncology, BioMedReg**  
Introduction to BIOMEDREG Project as a Research Platform for Molecular and Translational Medicine: From Discovery of New Drugs and Biomarkers to Clinical Trials and Use.
- 11:00 a.m.** **Tomas Hruda, CEO, Ceitec**  
*Achieving quality results through interdisciplinary R&D*  
Ceitec is a project aiming to set up a Central European centre of scientific excellence in Czech Republic.
- 11:20 a.m.** **Petr Koska, MBA, Director of St. Anne´s University Hospital in Brno**  
**Michal Kostka, PhD, Vice Chair of ICRC**  
International Clinical Research Center (ICRC)  
Innovative science and research center and a top-quality public healthcare center focusing on prevention, early detection and therapy primarily of cardiovascular and neurological diseases. FNUSA-ICRC cooperates with the Mayo Clinic in Rochester, Minnesota (USA) and other partners.
- 11:40 a.m.** **Martin Fusek, PhD, MedchemBio**  
*Medicinal Chemistry in the Czech Republic*  
The MedChemBio cluster is an organization with the goal of supporting the future development of Medicinal Chemistry and Chemical Biology.
- noon** Luncheon

- 1:00 p.m.** **Murali Gopalakrishnan, PhD, MBA, Head, Global External Research, Global Pharmaceutical Research & Development, Abbott**  
*Accessing Innovation beyond our Walls*  
 This update will provide an overview of global external research and collaboration strategies with particular focus on pharmaceutical Discovery at Abbott.
- 1:30 p.m.** **Thomas Irving, PhD, Professor of Biology, Illinois Institute of Technology and Director, BioCat at Argonne National Laboratory**  
*Briefing on the use of the Advanced Photon Source for biology research*
- 2:00 p.m.** **Petr Pancoska, Ph.D., Research Associate Professor, Director, Core for Collaborative Analysis in Personalized Medicine, University of Pittsburgh, Department of Medicine**  
 From nanotechnology in whole genome sequencing to physical genomics, personalized medicine of cancer and back.  
 Novel technology/nanotechnology provides new type of experimental results, allowing better quantitative characterization of genome variants, using physical instead of just categorical tools. With conversion from statistical to physical principles in genomics, new genome properties emerge with better potential for personalization in clinical applications. Results of this new approach in melanoma and lung cancer will be presented.
- 2:20 p.m.** **Martin Navratil PhD, CEO of Synpo**  
*Lecture on the development of different types of Nanotechnologies*  
 Synpo is an R&D company with a pilot-manufacturing capability. It carries out contract R&D in applied polymer and physical science for some of the leading global chemical companies.  
 Synpo's Nano Centre develops processes for making and stabilizing various nanoparticles used in high performance composites, which find many applications including aerospace (liner for liquid hydrogen tank for a new generation of space launchers). Synpo also develops a process for making iron-free perovskite nanoparticles with superparamagnetic properties for hyperthermal treatment of malignant tumors."
- 2:40 p.m.** **Eva Marsalkova, BVT Technologies**  
*Electrochemical sensors and biosensors and their applications*  
 BVT Technologies, is a private company based in the Czech Republic. The company develops and manufactures a wide range of electrochemical sensors, enzyme biosensors (AChE and GOx) and related laboratory equipment including connectors, flow cells, pumps, potentiostats and software.
- 3:30 p.m.** Discussion & Final remarks.
- 4:30 p.m.** Briefing and Tour of University Technology Park at Illinois Institute of Technology.
- 7:00 p.m.** Reception for participants of the seminar at the Consulate General of the Czech Republic.

### Wednesday, March 28, 2012

- 8:45 a.m.** Excursion to the Argonne National Laboratory 401/A5000  
 Phyllis Nelson, Communications, Education and Public Affairs
- 9:00 a.m.** **Welcome**  
 Mark Peters, Deputy Laboratory Director for Programs  
 Joanna Livengood, Manager, Argonne Site Office, U.S. Dept. of Energy
- 9:05 a.m.** **Argonne National Laboratory Overview**  
 Mark Peters, Deputy Laboratory Director for Programs
- 9:20 a.m.** **Advanced Photon Source Overview & Tour** 401/5<sup>th</sup> floor  
 Denny Mills, Deputy Associate Laboratory Director for Photon Sciences
- 9:50 a.m.** **Bio-CAT** 435/Sector 18  
 David Baker et al., Vice President for External Affairs  
 Illinois Institute of Technology

**10:30 a.m. Center for Nanoscale Materials (CNM)** 440/Lobby  
Andreas Roelofs, Deputy Division Director, CNM

**11:00 a.m.** Depart

**1:15 p.m.** Arrival of Czech Visitors from Argonne National Labs Tour

**1:30 p.m.** Working Lunch Session (Rooms A/B):

**Welcome, Introductions and Overview of the ISTP**

Michael Rosen, Sr. V.P. New Business Development, Forest City Science + Technology Group

**2:00 p.m. Overview of Northwestern University Research and Technology Initiatives in Biotechnology and Nanotechnology**

Tolga Gulmen, Ph.D., JD, Invention Manager, Innovation and New Ventures Office (INVO), Northwestern University

**2:30 p.m. Northwestern Nanotech Companies at the ISTP**

Van Crocker, Jr., Vice President, Commercial Development  
AuraSense Therapeutics, LLC

**3:00 p.m. Experience of German Companies in Chicago**

Dr. Claudia Roth, President, Vetter Development Services USA Inc.

**3:45 p.m.** Tour of ISTP

**4:15 p.m.** Summary and Conclusions

**4:30 p.m. “Doing Life Science Business in the Czech Republic: Business, Cultural and Legal Issues” (Auditorium)**

**Introduction and Welcome:** Michael Rosen

**Moderator:** Michael Minarich, Former General Manager, Searle Eastern Europe/President, Pharmacia, Czech Republic

**Panelists:**

- Marian Hajduch, MD, PhD, Associate Professor of Oncology, BioMedReg
- Jiri Krechl, Director of Research and Development Support Department, CzechInvest
- Radim Polcak, PhD, Head of the Institute of Law and Technology, Masaryk University  
- *Protecting Biotech Inventions under the Czech Law*
- Dana Hunatova, Consul General of the Czech Republic in Chicago

**6 p.m. Net working**

**Venues:**

**Argonne National Laboratory**

9700 S. Cass Avenue, Lemont, IL 60439

**The Illinois Science + Technology Park (ISTP)**

8045 Lamon Ave., Skokie IL 60077