

## **CZECH-ITALIAN SUMMER SCHOOL & BROKERAGE EVENT STRUCTURAL BIOINFORMATICS AND COMPUTATIONAL BIOLOGY**

**Brno, June 9-11, 2010**

### **Matchmaking Event: Academia meets Industry**

SynBIOsis is a FP7 project financed by the European Commission and coordinated by the South Moravian Innovation Center, Brno, Czech Republic. The project goal is to link and valorise research infrastructures and strengthen collaboration between scientists and businesses in Central Europe and to create a joint action strategy to increase their economic relevance.

The event focuses on the following main topics:

- Expanding knowledge and trans-regional scientific collaboration
- Match-making and identifying counterparts from academia and industry
- Fostering preparation of joint R&D projects with special focus on FP7

## **Preliminary programme**

### ***Wednesday 9<sup>th</sup> June - Summer school***

- 08:00 Arrival and registration of participants at IBA, Masaryk University campus in Brno-Bohunice
- 09:00 Welcome & Opening, **Prof. Ladislav Dušek**, IBA, Masaryk University
- 09:15 Introduction to project SynBIOsis, **Zlatuše Novotná**
- 09:30 **Prof. Vladimír Sklenář**, CEITEC, Masaryk University: Modern structural biology, methods, role of interpretation of data, information...
- 10:30 Coffee break
- 11:00 **Prof. Lara Lusa**, University of Ljubljana, Faculty of Medicine: Statistical methods for the analysis of high dimensional data
- 12:30 Lunch
- 14:00 **Prof. Jiří Hřebíček**, IBA, Masaryk University: Modern computational biology, methods, role of interpretation of data, information ...
- 15:00 Coffee break
- 15:30 **Dr. Radka Svobodová Vařeková**, CEITEC, Masaryk University: Algorithms and software for superimposition of biomolecules
- 16:15 **Dr. Simone Scalabrin**, Institut of Applied Genomic, Udine: Next Generation Sequences: high throughput and arising challenges
- 16:45 **Prof. Štěpánka Vaňáčková**, CEITEC, Masaryk University: Identification of new types of RNA by high throughput analyses
- 20:00 Informal match-making and welcome party

### ***Thursday 10<sup>th</sup> June - Summer school***

- 08:00 Arrival and registration of participants at IBA, Masaryk University campus in Brno-Bohunice
- 09:00 **Dr. Martin Prokop**, CEITEC, Masaryk University: Software tools for molecular modelling of biomolecules, (program Triton presentation, etc)
- 10:30 Coffee break
- 11:00 **Dr. Paolo Sonogo**, Cluster in BioMedicine(CBM), Trieste: Strategies and implementation of computational workflows for the analysis of high-throughput data using Open-Source software
- 12:30 Lunch
- 14:00 **Dr. Zdeněk Kříž**, CEITEC, Masaryk University: Searching multi-dimensional energetic hyperplanes (program CICADA presentation)
- 14:45 **Dr. Matej Lexa**, Faculty of Informatics, Masaryk University: Computational methods in Bioinformatics and Systems Biology
- 15:30 Coffee break
- 16:00 **Dr. Stefano Gustincich**, International School of Advanced Studies (SISSA-ISAS), Trieste: Transcriptional landscape of neurons
- 16:45 **Prof. Andrea Sgarro**, University of Trieste, Department of Informatics: Two string distances for bioinformatics

### **Thursday 10<sup>th</sup> June - Brokerage event**

#### *Afternoon parallel presentations of South Moravian biotech infrastructures*

- 14:00 CEITEC - Central European Institute of Technology  
**Tomáš Hruďa**, CEITEC Project Director, Masaryk University  
**Prof. Jaroslav Koča** Scientific Director for Life Sciences, CEITEC, Masaryk University  
**Prof. Radimír Vrba**, Scientific Director for Material Sciences, CEITEC, University of Technology
- 15:00 ICRC - International Clinical Research Centre, Brno  
A representative of ICRC management (tbc)
- 15:30 Coffee break
- 16:00 Excursion at Masaryk University campus and meeting with CEITEC and ICRC research teams
- 20:00 Industry-academia social evening and informal match-making

### **Friday 11<sup>th</sup> June - Summer school**

- 9:00 Conclusions and evaluation of the summer school, **prof. Jiří Hřebíček** and **representative of Italian delegation**
- 10:00 Awarding diplomas after completing summer school **representatives of project SynBIOsis**
- 10:30 Coffee break

### **Friday 11<sup>th</sup> June - Brokerage event**

- 08:00 Arrival and registration of participants at INBIT biotech incubator, Masaryk University campus in Brno-Bohunice
- 09:00 Welcome & Opening
- 09:20 Morning presentations of Italian companies/research teams
- 10:20 Coffee break
- 10:50 Morning presentations of Czech companies/research teams
- 11:50 Upcoming calls of FP7 in targeted thematic areas, Czech National Contact Point representatives
- 12:30 Lunch
- 13:30 One-to-one meetings of brokerage event participants (companies, researchers, consultation of project proposals with the NCPs)
- 16:00 End of the event

### **Organizing Committee**

Olga Bohuslavová, Technology Transfer Office, Masaryk University  
Loredana Casalis, ELETTRA – Sincrotrone Trieste ScpA  
Marcello Guaiana, Area Science Park Trieste  
Ondřej Hradil, CEITEC – Central European Institute of Technology, Brno  
Jiří Hřebíček, Institute of Biostatistics and Analyses, Masaryk University  
Zlataše Novotná, South Moravian Innovation Center, Brno  
Alessio Rocchi, CBM – Cluster in BioMedicine, Trieste  
Jiří Soukop, Institute of Biostatistics and Analyses, Masaryk University  
Omar Šerý, CEITEC Cluster – bioinformatics, Brno

**Location:** Masaryk University premises, Brno, Czech Republic  
Institute of Biostatistics and Analyses: site at Kamenice 126/3, Brno-Bohunice  
<http://www.iba.muni.cz/index-en.php?f=contacts>

**Dates:** 9th – 11th June 2010