

## CONVENOR



The **Alma Mater Studiorum** - University of Bologna was founded in 1088 and is considered to be the oldest university in Western Europe.

Nowadays, it still remains one of the most important institutions of higher education across Europe. Some of the activities have been decentralised in four campus areas in the Emilia Romagna region (Cesena, Forlì, Ravenna and Rimini).

## LOCATION

The conference will take place in the new Palacongressi di Rimini – the largest and most technologically advanced congress centre in Italy.



Rimini is an exciting venue for the conference combining history dating back to the Roman times, architecture and art from the Reconnaissance period with a modern day seaside atmosphere.

There is much to see and do while in Rimini from the famous Bridge of Tiberius - built 2000 years ago – to numerous museums including the Fellini Museum celebrating the life and films of one of Rimini's most famous citizens.

Situated on Italy's east Adriatic coast in the region of Emilia Romagna, Rimini enjoys a warm Mediterranean climate.

The location makes it possible to visit some of Italy's other famous cities including Bologna, Florence and Venice.

Details on how to get there and information on accommodation will be available via the IBS2010 website.

## JOIN THE MAILING LIST

Sign-up now for news updates and to register for your copy of the conference programme at [www.ibs2010.org](http://www.ibs2010.org)

## THE ORGANIZERS

### Convenor

Alma Mater Studiorum-University of Bologna

### Partners

- Italian Association for the development of Biotechnology - ASSOBIOTEC
- Italian Chemical Society - SCI
- Italian Technology Platforms:
  - Biofuels Italia
  - Italian Farm Animals Breeding and Reproduction Technology Platform - ITAPABRE
  - Italian Food for Life
  - Italian Global Animal Health - ITPGAH
  - Italian Plants for the Future - ITPLANTS
  - NSG Forest Based Sector Italy
  - SusChem Italy
- National Committee for Biosafety, Biotechnology and Life Sciences of the Italian Presidency of Council of Ministers

### Supporting Organizations

- European Association for Bioindustries - EuropaBio
- European Federation of Biotechnology - EFB
- European Society for Environmental Biotechnology - ESEB
- European Technology Platforms:
  - Biofuels
  - FABRE
  - Food for Life
  - Forestry
  - Global Animal Health
  - Plants for the Future
  - SusChem
- International Society for Environmental Biotechnology - ISEB
- International Union of Pure and Applied Chemistry - IUPAC
- Organization for Economic Co-Operation and Development - OECD

### Organizing Secretariat

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47900 Rimini (RN) – Italy  
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[www.ibs2010.org](http://www.ibs2010.org)

# 14th International Biotechnology Symposium and Exhibition

## IBS 2010



### Biotechnology for the Sustainability of Human Society

14-18 September 2010  
Palacongressi, Rimini – Italy

**Brokerage Events and Stakeholders' Meetings for European Framework Programs and International Projects will be hosted.**

**Particular emphasis will be given to the presentation of results of European FP7 and international projects within each session. Rooms for project/FP7 consortia meetings will be offered (free of charge), see the website [www.ibs2010.org](http://www.ibs2010.org)**

### KEY DATES AND DEADLINES

- Requests for meeting projects: 30 September 2009
- Second circular and call for papers: 30 September 2009
- Oral and poster abstract deadline: 1 March 2010
- Notification of acceptance: 12 April 2010
- Early registration deadline: 31 May 2010

## FIRST CIRCULAR

CONVENOR



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

ORGANISERS



CO-ORGANISERS



[www.ibs2010.org](http://www.ibs2010.org)



# 14th International Biotechnology Symposium and Exhibition

## Biotechnology for the Sustainability of Human Society

14-18 September 2010 • Palacongressi, Rimini – Italy

Dear Colleague,

The Alma Mater Studiorum-University of Bologna is organizing the 14th International Biotechnology Symposium and Exhibition (14th IBS), at the new Palacongressi of Rimini – the largest and most technologically advanced congress centre in Italy - from September 14 to 18, 2010. Under the auspices of IUPAC, the IBS series, held every two years on a different continent, is a premier international biotechnology event.

The 14th IBS is promoted by the Italian and European Technology Platforms of the Life Sciences area together with EuropaBio, EFB, ISEB, ESEB and OECD. More information on who is supporting and sponsoring the event is available on the official website.

The overall aim of 14th IBS is to explore the advances, frontiers and applications of biotechnology for a healthier and more sustainable future and a knowledge-based bio-economy all over the world, and to strengthen relations between industry, research laboratories, government agencies, the private sector and universities on such strategic issues for human sustainability.

A large participation of the international biotech industry, a dynamic and RTD-oriented programme, highly qualified speakers from academia, governmental institutions, and industry will be some of the major features of the event. Sessions specifically addressed to promote international RTD cooperation and the establishment of industry-academia consortia suitable also for European Framework Program applications will be organized. A significant part of the programme will be covered by oral presentations selected from submitted abstracts. In addition, special issues of very qualified journals published by Elsevier, who is helping to organize the event, are planned.

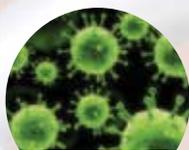
Low registration fees, awards for excellent young scientists together with low accommodation costs in Rimini and post-conference activities such as excursions to major Italian cities will facilitate the participation of all motivated colleagues and actors in the international biotechnology sectors. Sign up now for news updates at [www.ibs2010.org](http://www.ibs2010.org) to stay informed of all developments with the conference programme and organization.



Thus, in anticipation of meeting and working together on such challenging and crucial issues for our future, I extend to you a warm invitation to join us at the 14th IBS!

Yours sincerely  
**Fabio Fava** *Chair of the 14th IBS*

[www.ibs2010.org](http://www.ibs2010.org)



## CONFERENCE SECTIONS AND CHAIRS

### SECTION 1 PLENARY SESSION Systems Biology for Biotechnological Innovation

Chair: **Thomas Höfer** *German Cancer Research Center, Germany*  
Co-chairs:  
**Gianni Cesareni** *University of Rome "Tor Vergata", Italy*  
**Stefan Hohmann** *University of Göteborg, Sweden*  
**An-Ping Zeng** *Technische Universität Hamburg, Germany*

### SECTION 2 Medical and Pharmaceutical Biotechnology

Chair: **Lilia Alberghina** *University of Milano-Bicocca, Italy*  
Co-chairs:  
**Gregory Stephanopoulos** *Massachusetts Institute of Technology, USA*  
**Carmen Vela Olmo** *INGENASA, Spain*  
**Yong-Su Zhen** *Chinese Academy of Medical Sciences & Peking Medical College, China*

### SECTION 3 Animal Biotechnology

Chair: **Agostino Macri** *Institute Superior of Health, Italy*  
Co-Chairs:  
**Keith Campbell** *University of Nottingham, UK*  
**Ilaria Capua** *IZSVe, Italy*  
**Louis Charles Gasbarre** *Bovine and Functional Genomic Laboratory, USDA, USA*

### SECTION 4 Jointly with ESEB Industrial Biotechnology

Chair: **Danilo Porro** *University of Milano-Bicocca, Italy*  
Co-Chairs:  
**Satoshi Harashima** *Osaka University, Japan*  
**Willy Westraete** *University of Ghent, Belgium & ESEB*  
**Roland Wohlgenuth** *Sigma-Aldrich Corporation, Switzerland*  
**Marcel Wubbolts** *DSM, The Netherlands & Chair IB of ETP SusChem*

## CONFERENCE COMMITTEES

For details of the International Scientific Committee, Local Promoting Committee and the Local Committee please visit [www.ibs2010.org](http://www.ibs2010.org)

### SECTION 5 Biotechnology for Bioenergy

Chair: **Francesco Salamini** *University of Milan, Italy*  
Co-Chairs:  
**Bärbel Hahn-Hägerdal** *Lund University, Sweden*  
**Veronique Hervouet** *TOTAL, France & Chair of ETP Biofuels*  
**Andreas Schütte** *FNR - Fachagentur Nachwachsend Rohstoffe, Germany*

### SECTION 6 Food Biotechnology

Chair: **Peter van Bladeren** *Nestlé, UK & Chair of ETP Food for Life*  
Co-Chairs:  
**Giovanni Giuliano** *ENEA, Italy*  
**Christophe Lacroix** *ETH, Switzerland*  
**Ben Van Ommen** *TNO, Nutrition and Food Research, The Netherlands*

### SECTION 7 Plant Biotechnology

Chair: **Wilhelm Grüsses** *Swiss Federal Institute of Technology, Switzerland & President of EPSO*  
Co-Chairs:  
**Peter Langridge** *Australian Centre of Plant Functional Genomics & University of Adelaide, Australia*  
**Roberto Tuberosa** *Alma Mater Studiorum - University of Bologna, Italy*  
**Qifa Zhang** *Huazhong Agricultural University, China*

### SECTION 8 Forest Biotechnology

Chair: *Chair of ETP Forestry*  
Co-Chairs:  
**Raffaello Giannini** *University of Florence, Italy*  
**Steven Strauss** *Oregon State University, USA*  
**Bjorn Sundberg** *University of Umea, Sweden*

### SECTION 9 Jointly with ISEB Environmental Biotechnology

Chair: **Piet Lens** *Wageningen University, The Netherlands & EFB*  
Co-Chairs:  
**Murray Moo Young** *University of Waterloo, Canada & ISEB*  
**Hisao Ohtake** *Osaka University, Japan & ISEB*  
**Eugenia J. Olguin** *Institute of Ecology, Mexico & ISEB*  
**Eliora Z. Ron** *Tel Aviv University, Israel & FEMS*  
**Giovanni Sanna** *University of Naples "Federico II", Italy*  
**Ulrich Stottmeister** *Centre for Environmental Research, Germany & ISEB*

### SECTION 10 Contribution of Chemistry to Develop a Biotechnology Based Economy

Chair: **Luigi Campanella** *University of Rome "La Sapienza", Italy & SCI*  
Co-Chairs:  
**Bai Fengwu** *Dalian University of Technology, China & IUPAC*  
**Torbjörn Norin** *Royal Institute of Technology, Sweden & IUPAC*  
**Peter Seeberger** *Swiss Federal Institute of Technology, Switzerland*

### ROUND TABLE 1 International Research Policies

Coordinator: **Giuliano D'Agno**  
*The National Committee for Biosafety, Biotechnology and Life Sciences of the Italian Presidency of Council of Ministers, Italy;*

### ROUND TABLE 2 Biosafety, Food Security and Bioeconomy

Coordinator: **Marc Van Montagu**  
*University of Ghent, Belgium & EFB*

### CONCLUSIVE PLENARY SECTION Going from the Bench to Society: How to make it happen