

# 10<sup>th</sup> International Summer School on Biophysics

## Supramolecular Structure and Function

September 19 - October 1, 2009

Rovinj / Red Island - CROATIA

[www.irb.hr/biophysics](http://www.irb.hr/biophysics)



### Scientific topics

#### *Structure and dynamics*

Structure of proteins and their multidomain organization  
Nucleic acids: from DNA structure to human genome  
Supramolecular assemblies:  
Lipoproteins, Membranes, Ribosomes, etc.  
Soft matter  
Signal transduction  
Dynamics of biosystems at different time-scales

#### *Major techniques in biophysics*

Diffraction and scattering techniques  
Magnetic resonance spectroscopies  
Fluorescence spectroscopy  
Mass spectrometry  
Microscopic techniques  
Single molecule spectroscopy  
Computational techniques in biophysics  
Infrared spectroscopy

#### *Bioinformatics*

Genomics and proteomics  
Macromolecular modelling

#### *Biocomplexity in evolution*

### List of invited lecturers

Ernst Bamberg (Germany) \*  
Nenad Ban (Switzerland) \*  
Ad Bax (USA) ■  
Søren Brunak (Denmark) \*  
Charles Cantor (USA) \*  
Virginia Cornish (USA) \*  
Paolo De Los Rios (Switzerland) \*  
Ivan Đikić (Germany) \*  
Jonathan J. Ewbank (France) \*  
Laszlo Forro (Switzerland) \*  
Larry Gold (USA) \*  
Joachim Heberle (Germany) \*  
Wolfgang Junge (Germany) \*  
Ulf Landegren (Sweden) \*  
Daniel Müller (Germany) \*  
Kuniaki Nagayama (Japan) \*  
Martin Noble (UK) \*  
Annalisa Pastore (UK) \*  
Andreas Plückthun (Switzerland) \*  
Bert Poolman (The Netherlands) \*  
Ian Smith (Canada) \*  
Joseph Schlessinger (USA) \*  
Petra Schwille (Germany) \*  
Heinz-Jürgen Steinhoff (Germany)\*  
Igor Štagljar (Canada) \*  
Kurt Wüthrich (USA) ■  
Michael B. Yaffe (USA) \*

\*accepted / ■ tentatively accepted invitation


**Application deadline: May 15, 2009**  
**Abstract submission deadline: June 1, 2009**

### Organized by

Ruđer Bošković Institute, Zagreb, Croatia  
Croatian Biophysical Society

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### Organizing Committee

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