

Fortaleza, Brazil

# Brasil & Bioinformatics



Few countries are able to offer as great a variety of tourist options as Brazil. With a land mass the size of a continent - more than 8 million km<sup>2</sup> - the nation is fifth largest in the world, exceeded only by Russia, Canada, the USA and China, occupying almost half of South America. The distances from north to south and from east to west are greater than from New York to Los Angeles and from Moscow to Lisbon. Intersected to the north by the Equator and to the south-east by the Tropic of Capricorn, Brazil covers an area equivalent to 16 Frances, 23 Germanys or 28 Italys.

Brazil embraces contrasting ecosystems such as the Amazon and Atlantic Forests with their incredibly luxuriant woodlands, the Cerrado (scrublands) and the Caatinga (arid lands) with unusually twisted trees and landscape that changes radically according to the seasons, the Pantanal (marshland) with its flood plains teeming with an amazingly rich chain of animal reproduction. But dwarfing all other features of this huge country is the world's greatest rain forest, the Amazon, with its river basin holding one-fifth of all the freshwater on earth.

Today Brazil is South America's leading economic power and a regional leader. Brazil is expanding its presence in world markets by being the largest exporter of coffee, soybean, sugarcane, orange juice, poultry, beef, minerals for iron and other metals, small passenger airplanes, and recently of agriculture related genomes, software and many other industrial items.

For hundreds of years, Brazil has symbolized the great escape into a primordial, tropical paradise, igniting the Western imagination like no other South American country. From the mad passion of the world's biggest party, the Rio Carnival, to the immensity of the Amazon, it is a country of mythic proportions and staggering beauty, with stretches of unexplored rainforest, pristine tropical beaches, and endless rivers.

Commit to ISMB 2006 today, and be sure to plan some extra time to explore and enjoy all Brazil has to offer you. Visit <http://www.iscb.org/ismb2006/> for all conference news and updates.

Hosted by:



Agriculture Informatics



LNCC/MCT - National Laboratory for Scientific Computation of the Science and Technology Ministry of Brazil

Organized by:



The ISMB2006 conference is the Annual Conference of the International Society for Computational Biology (ISCB)

# ISMB 2006

INTELLIGENT SYSTEMS FOR MOLECULAR BIOLOGY

August 6 to 10, 2006

The ISMB 2006, to be held from August 6th to 10th in Fortaleza, in the state of Ceara, Brazil, will feature two major additions as compared to all earlier ISMB conferences.

1. For the first time we plan to offer a Nobel Laureate keynote address each conference day. In addition, the most prominent scientists in the area of Molecular Biology and its Computational branches will be addressing the audience in what is known as the World's Largest Bioinformatics Conference.

2. For the first time the ISMB Conference will be held in a tropical country rich in tourist destinations. Consequently, delightful opportunities abound for the participants to enjoy tropical flavors before and after our scientific encounters.

Tentative schedule and Nobel Laureates to deliver such address at ISMB2006:

Richard J. Roberts	New England Biolabs, Beverly, MA, USA
<i>Using Bioinformatics and Genomics to find new restriction-modification systems</i>	
Linda Buck	University of Washington, Seattle, USA
<i>Molecular bases of chemosensory detection and encoding of chemosensory stimuli in the brain</i>	
Christiane Nüsslein-Volhard	Max-Planck-Institut für Entwicklungsbiologie, Germany
<i>Characterisation of genes that play important roles in the development of model organisms</i>	
Robert Huber	Max-Planck-Institut für Entwicklungsbiologie, Germany
<i>Crystallography as the predominant method for obtaining the structural information on large (&gt; 40 kD) protein molecules</i>	
Kurt Wutrich	The Scripps Research Institute (TSRI) La Jolla, USA
<i>NMR-focused projects in structural biology and structural genomics</i>	

Confirmed key-note presentation:

Sir Tom Blundell	University of Cambridge, UK
<i>Structural biology, informatics and the discovery of new medicines</i>	

For more information about ISMB2006 registration, poster submission, scientific program, please visit <http://www.iscb.org/ismb2006>

# SwissProt20years

July 30 to August 4, 2006

SWISS-PROT, the curated section of the UniProt Knowledgebase, will be celebrating its 20 years of service to the scientific community in 2006 and to celebrate this occasion it will organize a 5-day conference immediately preceding ISMB 2006 whose main themes will be:

- Knowledgebases, databases and other information resources for proteins
- Sequence searches and alignments
- Protein sequence analysis
- Protein structure prediction, analysis and visualization
- Proteomics data analysis

45 internationally renowned speakers have already confirmed their presence at this event and about 1,000 participants from all over the world are expected.

For more information about SWISS-PROT registration, poster submission, scientific program, please visit <http://www.swissprot20.org> or write to [sp20@isb-sib.ch](mailto:sp20@isb-sib.ch).



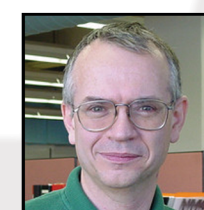
Goran Neshich  
ISMB2006 Conference Chair



Ana Vasconcelos  
ISMB2006 Vice-chair



Barry Honig  
ISMB2006 Co-chair



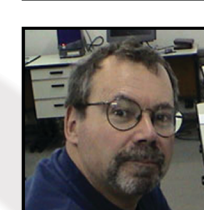
Amos Bairoch  
ISMB2006 Co-chair



Nobuhiro Go  
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Soren Brunak  
ISMB2006 Program Chair



Phil Bourne  
ISMB2006 Program Chair