



# **BITS2007 Meeting**

**Thursday 26 April 2007 - Saturday 28 April 2007**

**Napoli, Italy**

## **Conference Scientific Programme**

## **Structural and functional analysis of genomes**

Large scale analysis of genomes and their annotation, gene expression analysis, proteomics. Track chairs: M. L. Chiusano, G. Paoletta, E. Pizzi.

## **Structural biology and drug design**

Studies on structure and function of biological structures and their interaction, including drug design. Track chairs: R. Casadio, M. V. Cubellis, M. Helmer-Citterich, A. Tramontano.

## **Gene expression and system biology**

Quantitative analysis of the expression of gene sets and their relationships, modeling and inference of biological systems and networks. Track chairs: R. Calogero, M. Caselle, G. Cesareni, D. di Bernardo.

## **Novel methodologies, algorithms and tools**

Development of novel algorithms and tools for the analysis of biological data, critical analysis and assessment of existing computational methods, databases, distributed applications, tools and grid infrastructures. Track chairs: M. Ceccarelli, G. Mauri, G. Pesole, A. Policriti.

## **Large scale analysis of experimental data**

Methods and applications for the analysis of numeric data, images, or other experimental data, from high-throughput approaches in functional genomics, proteomics, cellular biosignalling. Track chairs: A. Facchiano, E. Medico, P. Romano, G. Valle.

## **Molecular evolution and biodiversity**

Methodologies and applications for the study of the evolution of genes and organisms, including methods for rapid species assignment used for the study of biodiversity. Track chairs: F. Ciccarelli, G. Bernardi, C. Saccone.

## **Biomedical informatics**

Tools and databases for the analysis of biomedical information and their interconnection with bioinformatics resources. Track chairs: G. Colonna, L. Milanese, M. Masseroli.