



Parc  
Recerca  
Biomèdica  
Barcelona



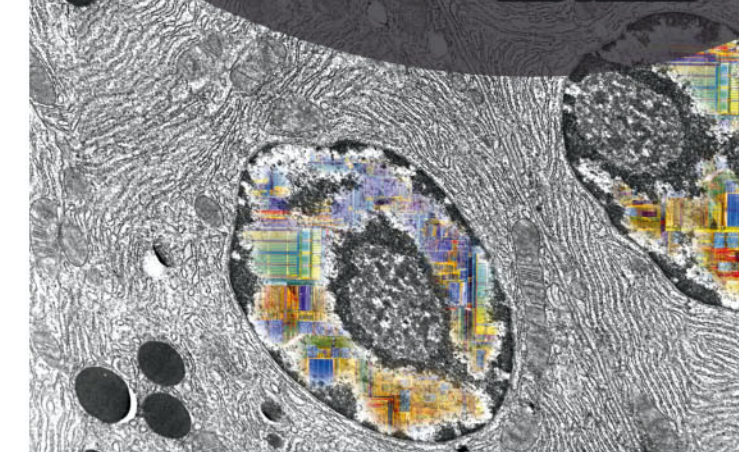
V CRG Annual Symposium

## Systems Biology: A Cell in the Computer?

15-16 December 2006

Organizer:

**Luis Serrano**



### Friday 15 December

09.00-09.45

#### Registration

10.00-10.30

**Welcome MIGUEL BEATO, Director, CRG**  
**Introduction, LUIS SERRANO, Head of Systems Biology, CRG**

10.30-11.20

**TIMOTHY GARDNER (Boston University, USA)**  
Title: "Shotgun mapping of transcription regulation in microbes"

11.20-12.10

**MADS KAERN (Ottawa Institute of Systems Biology, Canada)**  
Title: "Transcriptional regulatory dynamics: Synthetic circuits to stem cell control networks"

12.10-12.40

#### Coffee Break

12.40-13.30

**RICARD V. SOLÉ**  
**(Universitat Pompeu Fabra, Barcelona, Spain)**  
Title: "Towards the synthetic protocell"

13.30-15.00

#### Lunch

15.00-15.50

**UWE SAUER (ETH Zürich, Switzerland)**  
Title: "Molecular traffic through metabolic networks"

15.50-16.40

**NADAV KASHTAN (Weizmann Institute of Science, Israel)**  
Title: "On the evolutionary origin of modularity"

16.40-17.10

#### Coffee Break

17.10-18.00

**PEER BORK (EMBL, Germany)**  
Title: "Predicting biological functions at different scales"

18.00-18.50

**MARTIN LERCHER (University of Bath, United Kingdom)**  
Title: "The impact of horizontal gene transfer on biological networks"

**MARK ISALAN (Centre for Genomic Regulation, CRG, Spain)**  
Title: "Synthetic Gene Networks: re-wiring the cell"

### Saturday 16 December

09.30-10.20

**PATRICK LEMAIRE (Developmental Biology Institute of Marseilles-Luminy, France)**  
Title: "Linking gene regulatory networks and cell architecture in the ascidian embryo"

10.20-11.10

**JAMES SHARPE**  
**(Centre for Genomic Regulation, CRG, Spain)**  
Title: "Systems biology of limb development: An organ in the computer...?"

11.10-11.40

#### Coffee Break

11.40-12.30

**RON WEISS (Princeton University, USA)**  
Title: "Synthetic biology: from bacteria to stem cells"

12.30-13.20

**MARC VIDAL (Dana-Farber Cancer Institute, Boston, USA)**  
Title: "Interactome networks and human disease"

13.20-14.30

**ALFONSO MARTINEZ-ARIAS**  
**(University of Cambridge, United Kingdom)**  
Title: "The cell as an information processing device: a biologist's perspective"

