# X CRG SYMPOSIUM
## 10-11 November 2011
## COMPUTATIONAL BIOLOGY OF MOLECULAR SEQUENCES

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**CRG**
Centre
for Genomic
Regulation

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### Friday 11 November

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### Session 3: Genome Regulation (II)
Chair: Cédric Notredame

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09:00 – 09:45    Gary STORMO
*Department of Genetics, Washington University School of Medicine, St. Louis (MO) USA*
**"Modeling Protein-DNA interactions"**

09:45 – 10:30    Ron SHAMIR
*School of Computer Science, Tel Aviv University, Tel Aviv IL*
**"Gene regulation, protein interaction and disease - a computational perspective"**

10:30 – 11:30    Coffee Break

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### Session 4: RNA Analysis
Chair: Cédric Notredame

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11:30 – 12:15    Ana TRAMONTANO
*Department of Physics, Sapienza University of Rome, Rome IT*
**"More surprises from the RNA world"**

12:15 – 13:00    Peter STADLER
*Bioinformatics Group, Department of Computer Science, University of Leipzig, Leipzig DE*
**"Structural Evolution of Long Non-Coding RNAs"**

13:00 – 14:30    Lunch

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### Session 5: Genome Annotation
Chair: Roderic Guigó

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14:30 – 15:15    Tim HUBBARD
*Wellcome Trust Sanger Institute, Hinxton, Cambridge UK*
**"From reference genomes to genome medicine"**

15:15 – 16:00    Søren BRUNAK
*Technical University of Denmark & University of Copenhagen, Copenhaguen DK*
**"Interfacing sequencing and network biology data to personal healthcare sector information"**

16:00 – 16:45    Brendan FREY
*Department of Electrical and Computer Engineering, and Banting and Best Department of Medical Research, and Department of Computer Science, Univ. of Toronto, Ontario CA*
**"The new and improved splicing code"**

16:45 – 17:15    Coffee Break

17:15 – 18:00    Terry SPEED
*Bioinformatics Division, Walter & Eliza Hall Institute of Medical Research, Parkville Victoria AU*
**"Dealing with the GC-content bias in second-generation DNA sequence data"**

18:00 – 18:45    Mark GERSTEIN
*Department of Molecular Biophysics and Biochemistry, and Department of Computer Science, Yale University, New Haven (CT) USA*
**"Annotating non-coding regions of the genome"**

18:45 – 19:00    Conclusions