

10 June 2011, PRBB. Barcelona

*II CRG PostDoc Symposium*

**“RNAs vs Proteins in gene regulation: a fight with no roles”**

9:45 Welcome and Introduction

**Rory Johnson**  
Staff Scientist  
Bioinformatics and Genomics Program, CRG

10:00 **Session I: Novel mechanisms in gene regulation**

Keynote lecture  
**Julius Brennecke**  
IMBA - Institute of Molecular Biotechnology, Vienna

*“The piRNA Pathway - Guardian of the Genome”*

10:50 **Elias Bechara**  
Gene Regulation Program, CRG

*“CLIP-Seq of RBM5, 6 and 10 indicates cooperative/competitive roles in alternative splicing regulation of cell proliferation and apoptosis related genes.”*

**11:10 Coffee Break**

11:30 **M. Olivia Casanueva**  
Systems Biology Program, CRG

*“Stochastic variation in mutation buffering underlies incomplete penetrance of mutations and contributes to fitness tradeoffs in C. elegans”*

11:50 **Sara Djebali**  
Bioinformatics and Genomics Program, CRG

*“Evidence for transcript networks composed of chimeric RNAs in human cells”*

**12:00 Poster Session**

**13:00 Lunch**

**14:00 Session II: Novel mechanisms in gene regulators**

Keynote lecture

**Marc Buhler**

Friedrich Miescher Institute, Switzerland

*“Emerging roles of RNAi in genome regulation”*

**14:50 Monica Bañez Coronel**

Genes and Disease Program, CRG

*“A pathogenic mechanism in Huntington’s disease involves small CAG-repeated RNAs with neurotoxic activity”*

**15:10 Andrea Tanzer**

Bioinformatics and Genomics Program, CRG

*“Relationship Between Small ncRNAs and long RNAs in GENCODE 3c”*

**15:30 Phil Sanders**

System Biology Program, CRG

*“Gene regulation mediated by quadruplexes and other motifs in the 3'-UTR”*

**16:00 Coffee Break**

**16:30 Session III: RNAs vs Proteins in epigenetic regulation of gene transcription**

Keynote lecture

**Kevin Morris**

The Scripps Research Institute, La Jolla

*“Non-coding RNAs; epigenetic regulators of gene transcription in human cells”*

**17:20 Roni Wright**

Gene Regulation Program, CRG

*“PARP1 and CDK2 Essential PARTners in Progesterone Induced Gene Regulation”*

**17:40 Martin Lange**

Differentiation and Cancer Program, CRG

*“Phf19 regulates Polycomb repressive complex 2 (PRC2) activity in embryonic stem cells”*

**18:00 Sylvain Meunier**

Cell and Development Biology Program, CRG

*“Chromosomal microtubules and K-fibers minus-ends are stabilized by a novel mechanism essential for cell division.”*

**18:20 Conclusion**