

VII CRG Annual Symposium  
16-17 October 2008 Barcelona

# Mechanisms Regulating Cell Growth and Division

Organizers: Vivek Malhotra, Isabelle Vernós, Hernan Lopez-Schier



## THURSDAY 16 OCTOBER - Cell growth

**8:00 - 9:10 Registration**

**9:00 - 9:10**

Welcome and Introduction by Vivek Malhotra

**Chair: Vivek Malhotra  
(Centre de Regulació Genòmica, Spain)**

**9:10 - 10:00**

Harvey Lodish (Whitehead Institute, U.S.A.)

**Normal and pathological signaling by the erythropoietin receptor: How erythropoietin receptor signaling is activated by erythropoietin and by a mutant JAK2 protein tyrosine kinase.**

**10:00 - 10:50**

Kim Nasmyth (University of Oxford, U.K.)

**The cohesin ring cycle: how cells first build and then break sister chromatid cohesion during mitosis and meiosis.**

**10:50 - 11:10 Coffee break**

**11:10 - 12:00**

Masatoshi Takeichi (RIKEN Center for Developmental Biology, Japan)

**Interplay of cadherin and cytoskeleton for regulation of cell-cell contact.**

**12:00 - 12:50**

Chris Marshall (Cancer Research UK, U.K.)

**Rho GTPases, actomyosin contractility and cell migration.**

**12:50 - 15:00 Lunch**

**Chair: Hernán López-Schier**

**15:00 - 15:50**

Kai Simons (MPI-CBG Dresden, Germany)

**Membrane organisation and trafficking.**

**15:50 - 16:40**

Vivek Malhotra (Centre de Regulació Genòmica, Spain)

**Gate keepers of cargo loading into transport carriers.**

**16:40 - 17:00 Coffee break**

**17:00 - 17:50**

Benny Shilo (Weizmann Institute of Science, Israel)

**Robustness and scaling in BMP morphogen patterning.**

**17:50 - 18:40**

Sophie Martin (Université de Lausanne, Switzerland)

**Coupling of cell polarity with the cell cycle by a DYRK kinase.**

## FRIDAY 17 OCTOBER - Cell division

**8:00 - 9:00 Registration**

**9:00 - 9:50**

Tim Hunt (Cancer Research UK, U.K.)

**Getting in and out of mitosis.**

**9:50 - 10:40**

Iva Tolic-Norrelykke (MPI-CBG Dresden, Germany)

**Self-organization of Dynein Motors during Meiotic Nuclear Oscillations.**

**10:40 - 11:00 Coffee break**

**11:00 - 11:50**

Tony Hyman (MPI-CBG Dresden, Germany)

**Control of spindle size.**

**11:50 - 12:40**

Isabelle Vernós (Centre de Regulació Genòmica, Spain)

**Regulatory networks for spindle assembly.**

**12:50 - 15:00 Lunch**

**Chair: Manuel Mendoza**

**15:00 - 15:50**

François Nedelec (EMBL, Germany)

**Mitotic spindle assembly: chromatin size matters.**

**15:50 - 16:40**

Valerie Doye (Institut Curie, France)

**Multiple and unexpected functions for nuclear pore proteins during vertebrate mitosis.**

**16:40 - 17:00 Coffee break**

**17:00 - 17:50**

Jordan Raff (Wellcome CR-UK Institute, U.K.)

**Centrosomes: do you need them, and can they give you cancer?.**

**17:50 - 18:40**

Monica Bettencourt-Dias (Instituto Gulbenkian de Ciencia, Portugal)

**Control of Centrosome Biogenesis.**

**18:40**

Concluding remarks