



VIII CRG Annual Symposium
**Stem Cells,
 Differentiation
 and Cancer**
 15-16 October 2009



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Speakers

Elaine Fuchs
 Elaine Dzierzak
 Andreas Trumpp
 Timm Schroeder
 Richard Young

Wolf Reik
 Pier Giuseppe Pelicci
 Luciano Di Croce
 John Dick
 Maria Blasco

Eduard Batlle
 Joan Seoane
 Robert Weinberg
 Gerard Evan

Organized by Thomas Graf, Luciano Di Croce, Salvador Aznar-Benitah and Bill Keyes

THURSDAY, OCTOBER 15, 2009



9:00 - 9:10 Welcome by **Miguel Beato** (Director of the CRG)
and **Thomas Graf** (Coordinator of the Differentiation and Cancer Program)

SESSION I. STEM CELLS

Chair: Thomas Graf

09:15 -10:00 **Elaine Fuchs** (Rockefeller Institute, New York, USA)
The formation and control of skin stem cells

10:00 -10:45 **Elaine Dzierzak** (Erasmus MC, Rotterdam, The Netherlands)
Development of hematopoietic stem cells

10:45 -11:15 Coffee Break

11:15 -12:00 **Andreas Trumpp** (Deutsches Krebsforschungszentrum, Heidelberg, Germany)
Dormancy in stem cells

12:00 -12:45 **Timm Schroeder** (Institute of Stem Cells Research, Neuberberg, Germany).
Tracking stem cell behavior at the single cell level

13:00 -15:00 Lunch

SESSION II. STEM CELLS AND EPIGENETICS

Chair: Luciano Di Croce

15:00 -15:45 **Richard Young** (Whitehead Institute, MIT, Cambridge, USA)
Regulatory networks in the establishment and maintenance of embryonic stem cells

15:45 - 16:30 **Wolf Reik** (The Babraham Institute, Cambridge, UK)
DNA methylation and early embryo development

16:30 -17:00 Coffee Break

17:00 - 17:45 **Pier Giuseppe Pelicci** (European Institute of Oncology, Milano, Italy)
Regulation of self renewing divisions in cancer stem cells

17:45 - 18:30 **Luciano Di Croce** (Centre for Genomic Regulation, Barcelona, Spain)
Dynamics of chromatin modifications in leukemic stem cells

FRIDAY, OCTOBER 16, 2009

SESSION III. CANCER STEM CELLS

Chair: Bill Keyes

09:00 -09:45 **John Dick** (University of Toronto, Toronto, Canada)
Cancer stem cells in leukemia

09:45-10:30 **Maria Blasco** (Centro Nacional de Investigaciones Oncológicas, Madrid, Spain)
The role of telomeres in normal and cancer stem cells

10:00-10:55 **Eduard Batlle** (Institut de Recerca Biomèdica, Barcelona, Spain)
Intestinal stem cell genes in colorectal cancer progression

10:55-11:20 **Joan Seoane** (Hospital Vall d'Hebron, Barcelona, Spain)
The role of TGF-beta in cancer stem cells of glioma

11:20-11:50 Coffee Break

SESSION IV. CANCER

Chair: Salvador Aznar-Benitah

11:50-12:35 **Robert Weinberg** (Whitehead Institute, MIT, Cambridge, USA)
The development of mammary cancer

12:35-13:20 **Gerard Evan** (University of California, San Francisco, USA)
The central role of the Myc oncogene in cancer

13:20 Concluding remarks by Thomas Graf

