



Barcelona BioMed Conference Normal and tumor stem cells November 12-14, 2012

Programme

Monday, November 12, 2012

8.30 Registration

9.00 Welcome by Joan Joan J. Guinovart, IRB Barcelona Director

Session I.

Chair: Luis Parada

9.15 **Hans Clevers**
Lgr5 Stem Cells in Self-renewal and Cancer

9.50 **Owen Samson**
RAC and ROS in Intestinal Stem Cells and Cancer

10.25 **Eduard Batlle**
Mechanisms of Metastasis Initiation by Colorectal Cancer Stem Cells

11.00 Coffee break and poster session

12.00 Short talk: **Andreu Casali**
Conserved mechanisms of colorectal cancer tumorigenesis in the Drosophila adult midgut

11.20 **Ruggero de Maria**
Targeting Cancer Stem Cells in solid tumors

12.55 **Hanno Glim**
Heterogeneity of Human Tumor Initiating Cells

13.30 - 15.15 Lunch (FresCo, C/ Carme, 16)

Session II.

Chair: **Ruggero de Maria**

15.15 **Christopher Heeschen**

Heterogeneity of Pancreatic Cancer Stem Cells

15.50 Short talk: **Ferec Scheeren**

TLR2 signaling regulates mammary stem cell function and affects tumorigenesis

16.10 **Mike Clarke**

Deregulation of Stem Cell Self Renewal Pathways in Cancer

16.45 Coffee break

17.15 **Fiona Watt**

Stem Cell Markers in Squamous Cell Carcinoma

17.50 **Elaine Fuchs**

Stem Cell Activation Gone Awry: Squamous Cell Carcinoma Progression

20.30 Speakers' dinner

Tuesday, November 13, 2012

Session III.

Chair: **Elaine Fuchs**

9.15 **Ben Simons**

Distinct Contribution of Stem and Progenitor Cells to Epidermal Maintenance and Repair

9.50 **Cédric Blanpain**

Mechanisms Regulating Cutaneous Cancer Stem Cells

10.25 **Salvador Aznar-Benitah**

Complex Timing of Human Epidermal Stem Cell Function by the Circadian Molecular Clock

11.00 Coffee break and poster session

11.45 Short talk: **Bill Keyes**

Functional stem cell impairment in aging murine epidermis

12.05 **Michaela Frye**

Cytosine-5 RNA methylation in normal tissues and diseases

12.40 **Luciano di Croce**

Regulation of Polycomb Activity in Mouse Embryonic Stem Cells

13.15 - 15.00 Lunch (FresCo, C/ Carne, 16)

Session IV.

Chair: **Salvador Aznar-Benitah**

15.00 **Konrad Hochedlinger**

Defining a Molecular Roadmap of Cellular Reprogramming into iPS cells

15.35 Short talk: **Manuel Collado**

P27Kip1 directly contributes to Sox2 transcriptional repression during stem cell differentiation

15.55 **Maria Blasco**

The TRF1 Telomere Protein is Essential for the Generation and Maintenance of iPS Cells and Marks both Pluripotent and Adult Stem Cells

16.30 Coffee break

17.00 **Luis Parada**

Modeling Malignant Glioma; Cancer Stem Cells and Drug Discovery

17.35 Short talk: **Josema Torres**

p21 Waf1/Kip1 controls adult neural stem cell expansion by regulating Sox2 gene expression

17.55 **Leonard Zon**

Hematopoietic Stem Cell Proliferation, Self-Renewal, And Migration

20.30 Speakers' dinner

Wednesday, November 14, 2012

Session V.

Chair: **Cédric Blanpain**

9.15 **Irving Weissman**

Normal and Neoplastic Stem Cells

9.50 **Paul Frenette**

Neural Regulation of Stem Cell Migration in Health and Cancer

10.25 Short talk: **Anna Bigas**

Downstream of Notch signaling in Hematopoietic Stem Cell Development

10.45 Coffee break

11.15 Short talk: **Javier Morante**

Stem cell niche: Structure and function

11.35 **Cayetano González**

Stem cell Polarity and Malignant Tumor Growth in Drosophila

12.10 Short talk: **Marina Mapelli**

Structure of the Pins/Inscuteable dimer: competing with NuMA to orient Asymmetric Cell Divisions

12.30 Concluding remarks: **Hans Clevers and Eduard Batlle**