



Barcelona BioMed Conference Signal Rewiring and addiction in cancer September 19-21, 2011

Programme

Monday, September 19, 2011

8.30 Registration

9.00 Welcome by Joan J. Guinovart, IRB Barcelona Director

Session I:

Chair: Angel R. Nebreda, IRB Barcelona (Barcelona, Spain)

9.15 **Yosef Yarden**

Roles for growth factors and ErbB/HER receptor tyrosine kinases in tumor progression

9.55 **Silvia Giordano**

MET in human cancer: targeting oncogene addiction and resistance to MET inhibitors

10.35 Coffee break and poster session

11.10 **Julian Downward**

Addiction to RAS and PI 3-kinase signaling in cancer

11.50 **Michael Comb**

Signaling networks activated downstream of Oncogenic Receptor Kinases

12.30 Short talk: **Juan A. Recio**

Protein Arginine Methyltransferase 5 (PRMT5) Regulates ERK1/2 Signal Transduction Amplitude and Cell Fate through CRAF

12.50 Short talk: **Violeta Serra**

PI3K inhibition results in enhanced HER signaling and acquired ERK dependency in HER2-overexpressing breast cancer

13.10 - 15.00 Lunch (FresCo, C/ Carme, 16)

Session II:

Chair: Roger Davis, University of Massachusetts Medical School (Worcester, MA, USA)

15.00 **Gordon B. Mills**

Systems approach to personalized molecular medicine

15.40 **Neal Rosen**

Feedback and redundancy in oncoprotein-mediated signaling-basic and therapeutic implications

16.20 Coffee break and poster session

17.00 **Michael White**

Mapping the landscape of conditional vulnerabilities in human cancer

17.40 Short talk: **Sebastian M.B. Nijman**

Functional drug-gene interaction screens in cancer

18.00 Poster session

Tuesday, September 20, 2011

Session III:

Chair: Joan Massague, Memorial Sloan-Kettering Cancer Center (New York, NY, USA)

9.00 **Roger J. Davis**

Signal transduction by the JNK pathway

9.40 **Angel R. Nebreda**

Roles of p38 MAPKs in tumorigenesis

10.20 Coffee break and poster session

11.00 **Dario R. Alessi**

The structure and function of LKB1 tumour suppressor

11.40 **Brendan D. Manning**

Regulation and function of the mTOR signaling network

12.20 Short talk: **Alejandro Sweet-Cordero**

Oncogenic Kras inhibits mitochondrial metabolism by regulating the pyruvate dehydrogenase complex under conditions of nutrient stress

12.40 Short talk: **Juan Guinea-Viniegra**

Skin cancer development is controlled by a c-Fos/AP-1 dependent p53-TACE/ADAM17 pathway

13.00 - 15.00 Lunch (FresCo, C/ Carne, 16)

Session IV:

Chair: Tony Hunter, Salk Institute (La Jolla, CA, USA)

15.00 **Joan Massagué**

A poised chromatin platform for Smad access to master regulators of differentiation

15.40 **Scott W. Lowe**

Identifying tumor suppressor and tumor maintenance genes using mouse models and RNAi

16.20 Coffee break and poster session

17.00 **Chris J. Marshall**

Rho family GTPase signalling pathways controlling tumour cell migration

17.40 Short talk: **Tin Tin Su**

Targeting protein translation in cancer

18.00 Poster session

20.30 **Speakers dinner**

Wednesday, September 21, 2011

Session V:

Chair: Dario R. Alessi, MRC Protein Phosphorylation Unit (Dundee, UK)

9.00 **Margaret Frame**

Imaging and targeting the drivers of invasion and metastasis

9.40 Short talk: **Roger Gomis**

Mechanisms of CRC metastasis to the liver and lung

10.00 **María S. Soengas**

New animal models for the analysis and visualization of lymphangiogenesis and metastasis of malignant melanoma

10.40 Coffee break

11.20 **Laura Soucek**

Myc: A non-redundant function in cancer

12.00 **Tony Hunter**

Signal transduction pathways in cancer and genomic integrity

12.40 Concluding remarks: Tony Hunter, Salk Institute (La Jolla, CA, USA)