



Barcelona BioMed Conference

Mechanisms of Metastasis

March 12-14, 2018

Monday, March 12, 2018

8.30 Registration

9.00 Welcome by Joan Guinovart

Session I

Chair: Salvador Aznar Benitah

9.15 **Cancer cell of origin and tumor heterogeneity**
Cedric Blanpain, Université Libre de Bruxelles (Bruxelles, Belgium)

10.00 **Epigenetic influence of our (fatty) diet on CD36+ metastatic-initiating cells**
Salvador Aznar- Benitah, IRB Barcelona/ ICREA (Barcelona, Spain)

10.45 - 11.40 *Coffee break and poster session*

11.40 Short talk 1 **Targeting the reactive microenvironment as a novel approach to challenge brain metastasis**
Manuel Valiente, CNIO (Madrid, Spain)

12.00 Short talk 2 **Cross-lineage enhancer co-option promotes renal carcinoma metastasis**
Sakari Vanharanta, MRC Cancer Unit- University of Cambridge (Cambridge, UK)

12.20 **TRACERx: Cancer Evolution and Immune escape**
Charles Swanton, The Francis Crick Institute (London, UK)

13.05 - 15.05 *Lunch (IEC courtyard)*

Session II

Chair: Roger Gomis

15.05 **Metastasis latency in breast cancer**
Roger Gomis, IRB Barcelona/ ICREA (Barcelona, Spain)

15.50 Cellular and molecular deconvolution of human pancreatic and breast cancers

Andreas Trumpp, DKFZ-ZMBH Alliance (Heidelberg, Germany)

16.35 - 17.05 *Coffee break and poster session*

17.05 Cancer targeted therapy and tumor heterogeneity: Act locally, think globally

Mohamed Bentires-Alj, University of Basel (Basel, Switzerland)

17.50 New insights into the role of DDR1 in breast cancer metastasis

Zena Werb, University of California, San Francisco (San Francisco, CA, USA)

18.35 A single cell lens into metastasis

Dana Pe'er, Memorial Sloan Kettering Cancer Center (NY, USA)

19.20 *End of session*

Tuesday, March 13, 2018

Session III

Chair: Joan Massagué

9.00 Tumor-Stromal Interaction Dynamics in Osteolytic Bone Metastasis

Yibin Kang, Princeton University (Princeton, New Jersey, USA)

9.45 Immune evasion and metastasis in colorectal cancer

Eduard Batlle, IRB Barcelona/ ICREA (Barcelona, Spain)

10.30 - 11.00 *Coffee break and poster session*

11.00 Latency, immune evasion, and outbreak of metastatic stem cells

Joan Massagué, Memorial Sloan Kettering Cancer Center (NY, USA)

11.45 Short talk 3 Melanoma-secreted exosomes reinforce metastasis by targeting lymphatic endothelial cells in sentinel lymph nodes

Hector Peinado, CNIO (Madrid, Spain)

12.05 Therapeutic resistance and vulnerability conferred by cancer-osteogenic niche interaction during early-stage bone colonization

Xiang Zhang, Baylor College of Medicine (Houston, TX, USA)

12.50 - 15.00 *Lunch* (IEC courtyard)

Session IV

Chair: Arkaitz Carracedo

- 15.00 **Signaling and metabolic cues of metastasis**
Arkaitz Carracedo, CIC Biogune (Derio, Spain)
- 15.45 **Short talk 4 Prospective Sequencing of 20,000 Cancer Patients Identifies Genomic and Clinicopathologic Features Associated with Organ-Specific Metastasis**
Fancisco Sanchez-Vega, Memorial Sloan Kettering Cancer Center (NY, USA)
- 16.05 **Fumarate Hydratase and cancer: oncometabolites and beyond**
Christian Freeza, MRC Research Centre (Cambridge, UK)
- 16.50 - 17.20 *Coffee break and poster session*
- 17.20 **Pattern recognition receptor signaling in cancer**
Andy Minn, Abramson Family Cancer Research Institute (Philadelphia, PA, USA)
- 18.05 *End of session*
- 20.30 *Speakers dinner*
Restaurant els 4 Gats (Montsió, 3)

Wednesday, March 14, 2018

Session V

Chair: Eduard Batlle

- 9.00 **Cancer: The Evil Companion Corrupting Good Behaviour**
Ilaria Malanchi, The Francis Crick Institute (London, UK)
- 9.45 **Systemic regulation of breast cancer metastasis**
Johanna Joyce, University of Lausanne (Lausanne, Switzerland)
- 10.30 - 11.00 *Coffee break and poster session*
- 11.00 **Short talk 5 Co-operative behaviour of heterogeneous phenotypes contributes to melanoma initiation and progression**
Claudia Wellbrock, University of Manchester (Manchester, UK)

- 11.20 **Plasticity of cancer cell invasion and metastasis**
Peter Friedl, Radboud University (Nijmegen, Netherlands)
- 12.05 Short talk 6 **Collective cancer cell invasion by fibroblast forces**
Xavier Trepac, IBEC (Barcelona, Spain)
- 12.25 **Rho GTPase signalling, cytoskeletal dynamics and metastasis**
Victoria Sanz Moreno, King's College London (London, UK)
- 13.10 - 13.20 *Closing remarks*