2014: Metastatic Colonization: Micro-environments, Mechanisms, and Therapeutic Targeting

Wednesday, January 22, 2014
Session 1: Dormancy, latency, and escape of disseminated tumor cells and micro-metastases

16:50-17:00 WELCOME and opening remarks
17:00-17:30 Keynote: Joan Massague Metastasis colonization mechanisms
17:30-18:00 talk Christoph Klein Selection and adaptation during metastatic cancer progression
18:00-18:30 talk Klaus Pantel Detection, biology and clinical implications of circulating tumor cells in cancer patients
18:30-18:45 short talk Paloma Bragado TGF82 dictates disseminated tumor cell fate in target organs through TGF8-RIII and p38a/b signaling
18:45-19:00 short talk Cristina Branco-Price Hypoxia- and HIF-driven changes in endothelium physiology: effects on metastatic efficiency
19:00-19:30 Chair: Julio Aguirre-Ghiso Tumor microenvironments and signaling pathways regulating disseminated tumor cells dormancy
19:30-21:30 dinner
Thursday, January 23, 2014

Session 2: Organ-specific factors governing metastatic outgrowth

8:30-9:00 Keynote: Richard Hynes Extracellular matrix and platelets and their effects on metastasis
9:00-9:15 short talk Alvaro Avivar-Valderas Hypoxic primary tumor stress microenvironments prime intravasating cells for dormancy in lungs
9:15-9:30 short talk Lubor Borsig Inflammatory chemokines shape the metastatic microenvironment
9:30-10:00 talk Jing Yang Epithelial-mesenchymal plasticity in carcinoma metastasis
10:00-10:30 coffee break
10:30-10:45 short talk Claudia Chiodoni Osteopontin produced by myeloid cells molds immune suppression at the site of metastasis
10:45-11:00 short talk Caroline Urech Suppression of innate immunity by stromal fibroblasts allows tumor cells to seed liver metastasis
11:00-11:30 Chair: Yibin Kang Tumor-Stromal interactions in bone metastasis
11:30 box lunches

Session 3: Parameters of macro-metastatic microenvironments

16:30-17:00 coffee
17:00-17:30 Keynote: Raghu Kalluri no title received
17:30-18:00 talk Randall Johnson The role of hypoxic response in metastatic success
18:00-18:15 short talk Asaf Spiegel Tumor induced mobilization of Ly6G+ neutrophils facilitates metastasis through activation of endothelial cells and protease mediated extravasation
18:15-18:30 short talk Matteo Bocci Blockade of endothelial ALK1 as a novel anti-metastatic therapy
18:30-19:00 Chair: Kari Alitalo Combinatorial targeting of endothelial growth factor pathways
19:00-20:30 dinner
20:30-23:00 POSTER SESSION 1
Session 4: Cancer cell intrinsic factors promoting metastatic colonization

Friday, January 24, 2014

8:30-9:00 Keynote: Robert Weinberg  
Cancer stem cells and the molecular mechanisms of malignant progression

9:00-9:15 short talk Nir Ben Chetrit  
Synpotojan 2, a metastasis driver, is overexpressed and amplified in advanced breast cancer

9:15-9:30 short talk Iacovos Michael  
Dissecting the role of microRNAs during metastasis of pancreatic neuroendocrine tumors

9:30-10:00 talk Angela Nieto  
Epithelial plasticity in embryonic development and metastatic colonization

10:00-10:30 coffee break

10:30-10:45 short talk Roger Gomis  
Colon cancer metastasis to the lung is mediated by MAPK signaling through cytokine mediated actions

10:45-11:00 short talk Manuel Valiente  
Serpins Shield Brain Metastatic Cells from Death Signals and Vascular Detachment

11:00-11:30 Chair: Tatiana Petrova  
Regulation of metabolic adaptation in colorectal cancer metastasis

11:30 box lunches

Session 5: The Immunobiology of metastatic lesions session

16:00-17:00 extended coffee

16:00-18:00 POSTER SESSION 2

18:00-18:30 Keynote: Jeffrey Pollard  
Macrophage promotion of tumor progression and metastasis

18:30-19:00 talk Malcolm Brenner  
Overcoming barriers to treatment of metastases using cellular immunotherapy

19:00-19:30 Chair: Robert Benezra  
Control of breast cancer metastatic colonization of the lung by the Tgfβ-Id signaling pathway

20:00-22:30 Conference Banquet (at the Hotel du Golf)

Saturday, January 25, 2014

Session 6: Frontiers of metastatic mechanisms and therapies

8:30-9:00 Keynote: Tyler Jacks  
Molecular characterization of lung cancer progression

9:00-9:15 short talk Zvi Granot  
New insights into neutrophil function in cancer

9:15-9:30 short talk Patrick Schmidt  
Adoptive Immunotherapy against Cancer Stem Cells: Is less more?

9:30-10:00 talk Eduardo Batlle  
Mechanisms of metastasis by colorectal cancer stem cells

10:00-10:30 coffee break

10:30-10:45 short talk Alessia Bottos  
Effects of JAK pathway inhibition in pre-clinical models of bone marrow metastases

10:45-11:00 short talk Mohamed Bentires-Alj  
P13K/mTOR blockade: A rationale for co-targeting these pathways in metastatic breast cancer

11:00-11:30 Chair: Melody Swartz  
no title received

11:30 end of meeting and box lunches