Monday, 2 March 2020

ASPIC General Assembly & Conference
(ASPIC members only, in Portuguese Language)
10:30 – 12:30

10:30  Assembleia Geral da ASPIC
JN Moreira (FFUC), C. Oliveira (i3S)

11:30  Estudo BRCA2-P: caracterização nacional da mutação fundadora Portuguesa do gene BRCA2
Fátima Vaz (IPOFGL, Lisboa, PT)
(not eligible for CME credit)

Opening Remarks & Keynote Lecture
13:30 – 14:30  Auditorium 1
L. Costa (ASPIC), L. Coussens (AACR) and C. Caldas (EACR)

Keynote Lecture
Chair: L. Coussens (USA)
13:45  Epigenetic signaling pathways in the TME controlling invasion and metastasis
Speaker: Doug Hanahan (Switzerland)

14:30 – 15:00  Pavilion 4 & 5
Coffee Break / Exhibition / Poster Viewing / Industry Spotlight

Symposium: Single cell analysis of the TME
15:00 – 16:35  Auditorium 1
Chair: I. Amit (Israel)
15:00  The power of ONE: Immunology in the age of single cell genomics
Speaker: I. Amit (Israel)
15:25  T-cell receptor and Ccr7 chemokine receptor role in leukemic T cell
15:35  Single cell mapping of human brain tumors reveals tumor-driven education of tumor-associated leukocytes
Speaker: N. Rodrigues dos Santos (Portuguese)

16:00  Elucidating mechanisms of immune interaction within the human breast tumor microenvironment at the single-cell level (EAA-0098)
Speaker: S. Tietscher (Switzerland)

16:10  Dissecting the tumor immune microenvironment by multiplexed imaging
Speaker: L. Yankielowicz-Keren (USA)

---

**Symposium: 2D/3D analysis, imaging and lineage tracing in the TME**

16:35 – 18:10  Auditorium 1
Chair: J. van Rheenen (the Netherlands)

16:35  Novel Mechanisms of Tumour Stroma Crosstalk
Speaker: E. Sahai (United Kingdom)

17:00  Multiplexed imaging of cancer-associated fibroblasts in solid cancers (EAA-0288)
Presenter: T. Pellinen (Finland)

17:10  In vivo imaging reveals the importance of niche-dependent and independent cancer cell plasticity for metastasis in colorectal cancer
Speaker: J. van Rheenen (the Netherlands)

17:35  Inter-cellular organisation of the breast tumour immune microenvironment by multidimensional tissue imaging (EAA-0142)
Presenter: A. Hamid (United Kingdom)

17:45  Understanding mesenchymal lineage heterogeneity in pancreatic cancer
Speaker: M. Sherman (USA)

---

18:15 – 19:30  Welcome Reception  Pavilion 4 & 5
Tuesday, 3 March 2020

Meet the Expert Session 1
08:00 – 08:30  Auditorium 1

08:00  Dynamic Interactions Between Myeloid and Lymphoid cells impact Tumor Microenvironments and Regulate Response to Therapy in Solid Tumors
Speaker: L. Coussens (USA)

Meet the Expert Session 2
08:30 – 09:00  Auditorium 1

08:30  Exploring the Immune Landscape of Cancer
Speaker: J. Joyce (Switzerland)

Keynote Lecture
09:00 – 10:00  Auditorium 1
Chair: L. Costa (Portugal)

09:00  Innate immunity, inflammation and cancer: double edged swords
Speaker: A. Mantovani (Italy)

10:00 – 10:30  Auditorium 1
Coffee Break / Poster Viewing / Exhibition / Pavilion 4 & 5

Symposium: Inflammation, Cancer Immunity and TME
10:30 – 12:05  Auditorium 1
Chair: M. Egeblad (USA)

10:30  Macrophage control of anti-tumor immunity
Speaker: J. Varner (USA)

10:55  Visualizing synaptic transfer of tumor antigens amongst lymph node dendritic cell populations (EAA-0114)
Presenter: M. Ruhland (USA)

11:05  Neutrophil extracellular traps produced during inflammation promotes metastasis
Speaker: M. Egeblad (USA)

11:30  High IL-7- IL-7Rα signals promote T-cell acute lymphoblastic leukemia in mice and humans overexpressing wild type IL-7Rα (EAA-0375)
Presenter: A. Almeida (Portugal)

11:40  Immune Microenvironmental Changes Before and After Treatment
Speaker: G.A. Getz (USA)

12:00-12:30  Pavilion 4 & 5
Lunch / Poster Viewing / Exhibition /

Industry Sponsored Lunch Symposium
13:00 - 14:00  Auditorium 1
(not eligible for CME credit)

Symposium: Metastases and the TME
14:00 – 15:35  Auditorium 1
Chair: K. de Visser (the Netherlands)

14:00  Deconstructing the metastatic microenvironment
Speaker: I. Malanchi (United Kingdom)
14:25 Tumoural induction of an axon-guidance signal in the endothelium drives metastasis (EAA-0326)
Presenter: B. Tavora (USA)

14:35 Immune Complexity of Metastatic Breast Cancer: towards personalized immune intervention strategies
Speaker: K. de Visser (the Netherlands)

15:00 Perivascular tenascin-C triggers sequential activation of macrophages and endothelial cells to generate a pro-metastatic vascular niche in the lung (EAA-0271)
Presenter: T. Oskarsson (Germany)

15:10 Age-related changes in the stromal compartment drive tumour progression
Speaker: S. Stewart (USA)

15:30 – 16:00 Coffee Break / Poster Viewing / Exhibition / Industry Spotlight Pavilion 4 & 5

16:00 – 17:00 Posters in the Spotlight Pavilion 5
Moderators: J. T. Barata (Portugal) & D. Welch (USA)
(not eligible for CME credit)

The physico-mechanical properties of the basement membrane are a major regulator of metastasis (EAA-0169)

PMN-MDSCs Enhance CTC Metastatic Properties through Reciprocal Interactions via ROS/Notch/Nodal Signaling (EAA-0319)

An activated, pro-tumor lung microenvironment promotes the outgrowth of breast cancer lung metastases (EAA-0342)

Lack of Tgif1 in the bone microenvironment reduces metastatic breast cancer burden (EAA-0053)

Characterization of the extracellular adenosine pathway in metastatic pancreatic cancer (EAA-0213)

Subpopulations of osteoblasts are present in the bone-tumor niche during bone metastatic breast cancer progression (EAA-0299)

16:00 – 17:00 Poster Defence & Poster Viewing Pavilion 4 & 5

Symposium: Vascular (Hematogenous & Lymphatic) Biology in the Primary and Metastatic TME Auditorium 1
Chair: J. Goetz (France)

17:00 Vascular and perivascular regulation of disseminated tumor cell quiescence in brain
Speaker: C. Ghajjar (USA)

17:25 Rapid, non-invasive imaging in mouse models of human cancer (EAA-0110)
Presenter: A. Ionkina (USA)

17:35 Revealing the vascular microenvironment in breast cancer using photoacoustic imaging
Speaker: S. Bohndiek (UK)

18:00 Perivascular hepatic stellate cells suppress NK cell sustained breast cancer dormancy (EAA-0112)
Presenter: A. Correia (Switzerland)

18:10 Intravascular forces in tumor metastasis
Speaker: J. Goetz (France)
Wednesday, 4 March 2020

Meet the Expert Session 3
08:30 – 09:00 Auditorium 1
08:30 Therapy-induced mutagenesis and drug resistance in colon cancer
Speaker: A. Bardelli (Italy)

Symposium: TME Dynamics and Cancer Therapy Sensitivity / Resistance
09:00 – 10:35 Auditorium 1
Chair: N. Erez (Israel)
09:00 The EMBO Keynote Lecture:
TME dynamics in breast cancer during neo-adjuvant chemotherapy
Speaker: C. Caldas (United Kingdom)
09:25 Smoking impairs stromal fibrosis and response to antifibrotic drugs in lung squamous cell carcinoma through epigenetic SMAD3 repression in tumor-associated fibroblasts (EAA-0082)
Presenter: J. Alcaraz (Spain)
09:35 STING signalling in cancer: friend or foe
Speaker: E. Parkes (United Kingdom)
10:00 Non-invasive longitudinal imaging of tumor-associated microglia and macrophages in gliomas using fluorine MRI (EAA-0230)
Presenter: D. Croci (Switzerland)
10:10 Stromal dynamic plasticity drives an inflammatory microenvironment in breast cancer metastasis
Speaker: N. Erez (Israel)

10:30 – 11:00 Coffee Break / Poster Viewing / Pavilion 4 & 5
Industry Spotlight

Symposium: Lipids, Cancer Metabolism and TME
11:00 – 12:25 Auditorium 1
Chair: G.M. Delgoffe (USA)
11:00 Metabolic interactions between tumor cells and T cells as targets to improve cancer immunotherapy
Speaker: G.M. Delgoffe (USA)
11:25 Mitochondrial genetics alter immune regulation of cancer metastasis (EAA-0227)
Presenter: T. Beadnell (USA)
11:35 Emerging role of glyco-checkpoints in cancer: The sweet side of immunotherapy
Speaker: G. Rabinovich (Argentina)
12:00 Metabolic Transitions in the Hypoxic Tumor Microenvironment
Speaker: C. Simon (USA)

12:30-13:30 Lunch / Poster Viewing / Exhibition Pavilion 4 & 5

Closing Keynote & Closing Remarks
13:30 – 14:30 Auditorium 1
Chair: C. Caldas (United Kingdom)
Inactivation of DNA repair and high dose Vitamin C boost cancer immunotherapy
Speaker: A. Bardelli (Italy)