



SCIENTIFIC PROGRAMME

Last updated 28/02/2020

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

L. Costa (ASPIC), L. Coussens (AACR) and C. Caldas (EACR)

Auditorium 1

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 Coffee Break / Exhibition / Poster Viewing /
Industry Spotlight

Pavilion 4 & 5

Symposium: Single cell analysis of the TME
15:00 – 16:35
Chair: I. Amit (Israel)

Auditorium 1

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 dissemination (EAA-0286) Presenter: N. Rodrigues dos Santos, Nuno (Portuga)
15:35	Single cell mapping of human brain tumors reveals tumor-driven education of tumor-associated leukocytes Speaker: B. Becher (Switzerland)
16:00	Elucidating mechanisms of immune interaction within the human breast tumor microenvironment at the single-cell level (EAA-0098) Presenter: 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 **Coffee Break / Poster Viewing / Exhibition /
Industry Spotlight**

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 **Activating a collaborative innate-adaptive immune response to restrain
breast and ovarian cancer metastasis**
Speaker: M. Egeblad (USA)

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

11:40 **Single-cell RNA sequencing reveals compromised immune
microenvironment in precursor stages of multiple myeloma**
Speaker: N. Haradhvala (USA)

12:00-12:30 **Lunch / Poster Viewing / Exhibition /**

Pavilion 4 & 5

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

Auditorium 1

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
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16:00 – 17:00	Posters in the Spotlight Moderators: J. T. Barata (Portugal) & D. Welch (USA) (not eligible for CME credit)	Pavilion 5
	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
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Symposium: Vascular (Hematogenous & Lymphatic) Biology in the Primary and Metastatic TME

17:00 – 18:35		Auditorium 1
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Chair: J. Goetz (France)

17:00	Vascular and perivascular regulation of disseminated tumor cell quiescence in brain Speaker: C. Ghajar (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 / Industry Spotlight**

Pavilion 4 & 5

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

Auditorium 1

13:30 – 14:30

Chair: C. Caldas (United Kingdom)

Inactivation of DNA repair and high dose Vitamin C boost cancer immunotherapy

Speaker: A. Bardelli (Italy)
