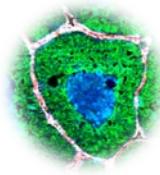


Tumor Microenvironments: Mechanisms and Therapeutic Implications

6th Annual Symposium



Hosted by: Ming Li & Vivek Mittal

Friday, July 19th, 2019 // 08:30 – 17:40

Zuckerman Research Center: 417 East 68th Street, New York, NY 10065

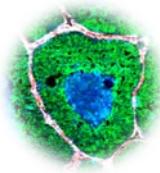
Registration & Continental Breakfast	08:30 – 09:00	ZRC-Lobby
Craig Thompson, MSKCC	09:00 – 09:10	Opening Remark
1. TUMOR DETERMINANTS OF TME: CANCER INITIATION		CHAIR: Ilseyar Akhmetzyanova, Albert Einstein
Dafna Bar-Sagi, NYU	09:10 – 09:35	Cell and tissue dynamics in pancreatic cancer
Direna Alonso Curbelo, MSKCC	09:35 – 10:00	The epigenetic control of epithelial – immune crosstalk during pancreatic tumorigenesis
Yuxuan Miao, Rockefeller	10:00 – 10:25	Adaptive immune resistance emerges from tumor-initiating stem cells
* Amaia Lujambio, Mount Sinai	10:25 – 10:40	β-Catenin activation promotes immune escape and resistance to anti-PD1 therapy in hepatocellular carcinoma
COFFEE BREAK	10:40 – 11:00	ZRC-Lobby
2. TUMOR DETERMINANTS OF TME: CANCER METASTASIS		CHAIR: Dan Sun, Mount Sinai
Joan Massague, MSKCC	11:00 – 11:25	Origins and evolution of metastasis-initiating cells
Julio Aguirre-Ghiso, Mount Sinai	11:25 – 11:50	Adult stem cell niches and primed pluripotency regulate disseminated cancer cell dormancy
Dana Pe'er, MSKCC	11:50 – 12:15	A single cell lens into tumor heterogeneity, metastasis and tumor ecosystems
* Jose Javier Bravo-Cordero, Mount Sinai	12:15 – 12:30	A self-made quiescent ECM niche regulates metastatic dormancy
* Bryan Ngo, Weill Cornell	12:30 – 12:45	Limited environmental serine availability confers brain metastasis susceptibility to PHGDH inhibition
LUNCH/POSTER	12:45 – 14:00	ZRC-105
3. IMMUNE CONTROL OF TUMOR PROGRESSION: CANCER INFLAMMATION		CHAIR: Briana Nixon, MSKCC
Paul Frenette, Albert Einstein	14:00 – 14:25	A new mechanism for acute myeloid leukemia cell clearance via innate immunity
Mikala Egeblad, CSHL	14:25 – 14:50	Neutrophils activated during inflammation drive metastasis
Juan Cubillos-Ruiz, Weill Cornell	14:50 – 15:15	Unfolding anti-cancer immunity: new roles for ER stress sensors in the tumor microenvironment
Ming Li, MSKCC	15:15 – 15:40	Immunological mechanisms of cancer defense: reining in the dynamic tumor cell and microenvironment reciprocity
COFFEE BREAK	15:40 – 16:00	ZRC-Lobby
4. IMMUNE CONTROL OF TUMOR PROGRESSION: CANCER IMMUNITY		CHAIR: Geoffrey Markowitz, Weill Cornell
Arnold Han, Columbia	16:00 – 16:25	T cell function and TCR repertoire of tumor-infiltrating T cells: lessons from single cell analysis
Vivek Mittal, Weill Cornell	16:25 – 16:50	Radiation induced immune reprogramming in lung cancer
Douglas Fearon, CSHL	16:50 – 17:15	Solving resistance to anti-PD-1 in pancreatic cancer
* Andrew Scott, MSKCC	17:15 – 17:30	TOX is a critical regulator of tumor-specific T cell differentiation
(* Short talk)		
Ming Li & Vivek Mittal	17:30 – 17:40	Poster Award Presentation & Closing Remark



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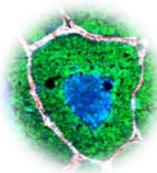


Weill Cornell
Medicine



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POSTER PRESENTATION

1	Ilseyar Akhmetzyanova	Albert Einstein	Dynamic CD138 surface expression regulates switch between myeloma growth and dissemination
2	Dimitar Avtanski	Lenox Hill	Tumor microenvironment proinflammatory cytokines modulate secretory activity of breast cancer cells – invitro study
3	Maria Carlini	Mount Sinai	SOX2 and the regulation of disseminated tumor cell (DTC) fate
4	Ryan Carpenter	University of MA	Engineered implantable tumor attracting biomaterials to study disseminated tumor cell biology
5	Erica Dalla	Mount Sinai	Analysis of tissue-resident macrophages as potential regulators of disseminated tumor cell fate
6	Gabriel Espinosa-Carrasco	MSKCC	Decoding CD4 T cell-mediated reprogramming of tumor-specific CD8 T cells for effective anti-tumor immunity
7	Kelly Henry	MSKCC	Modulating the tumor microenvironment to improve immunotherapy: interrogating the Interplay between MYC and immune checkpoints in pancreatic cancer
8	Michelle Kallis	Northwell Health	Surgical excision of the primary tumor in osteosarcoma model results in enhanced metastatic growth by modulating the lung immune microenvironment
9	Emily Kansler	MSKCC	Tumor-derived IL15 induces a tissue-resident cytotoxic innate lymphocyte response
10	Raghu Kataru	MSKCC	Tumor lymphatic function regulates tumor inflammatory and immunosuppressive microenvironments
11	Melisa Lopez-Anton	Mount Sinai	Identification of uveal melanoma disseminated cancer cell dormancy mechanisms
12	Ana Rita Lourenco	Weill Cornell	Re-sensitizing metastatic breast cancer cells to chemotherapy treatment
13	Francois Marchildon	Rockefeller	Physical activity can mitigate mammary tumor and extend survival in the MMTV-PyMT mouse model
14	Laura Menocal	MSKCC	Poised chromatin states and transcriptional programs of memory T cells drive their rapid dysfunction in settings of chronic antigen exposure
15	Yuxuan Miao	Rockefeller	Adaptive Immune Resistance Emerges from tumor-initiating stem cells
16	Chandrani Mondal	Mount Sinai	SRGAP1 loss promotes tumor cell dissemination through invadopodia regulation
17	Briana Nixon	MSKCC	IRF8 governs tumor-associated macrophage control of T cell exhaustion
18	Divya Ramchandani	Weill Cornell	Targeting breast cancer progression: a novel copper-dependent metabolism axis
19	Aditi Sahu	MSKCC	In vivo characterization of tumor-immune microenvironment
20	Anirudh Sattiraju	Mount Sinai	Spatially-sensitive hypoxia reporter and single cell RNA sequencing to investigate physiology of therapy resistant, tumor-initiating GBM cells in hypoxic niches
21	Deepak Singh	Mount Sinai	Molecular mechanisms of 5-AzaC and atRA mediated reprogramming, induction of dormancy and metastasis suppression in an HNSCC PDX model
22	Dan Sun	Mount Sinai	Epigenetic regulation of quiescence and senescence provides insight into how to irreversibly arrest dormant DTCs
23	Chinmay Surve	Mount Sinai	Regulation of breast tumor metastasis by the dynamic interaction between the TMEM macrophage, tumor and endothelial cells
24	Xiaozhong Xiong	NYUSOM	KLF4, a gene regulating prostate stem cell homeostasis, antagonizes malignant progression and predicts good prognosis in prostate cancer
25	Shira Yomtoubian	Weill Cornell	Inhibition of EZH2 catalytic activity selectively targets a metastatic subpopulation in triple-negative breast cancer

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THANKS TO Alexandra Ramadhin & Murtaza Malbari