




Tumor Immunity RETREAT

November 16-17, 2015

Joseph B Martin Conference Center
77 Avenue Louis Pasteur
Boston, MA 02115

tumorimmunity.org

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Generously funded by:



Monday, November 16

Registration and Breakfast		8:00 - 8:45
Welcome	Nick Haining and Nir Hacohen	8:45 - 9:00
State of the Field	Arlene Sharpe	9:00 - 9:30
T cell Immunity to Cancer		9:30 - 10:45
<i>Chair: Ana Anderson</i>		
Vijay Kuchroo	Novel check-point inhibitors in autoimmunity and anti-tumor immunity	
Marcela Maus	Gene-modified T cells as adoptive immunotherapy for cancer	
Ana Anderson	Redefining T cell dysfunction in cancer	
Coffee Break		10:45 - 11:15
Cancer Biology and Immunity		11:15 - 12:55
<i>Chair: Peter Hammerman</i>		
Gordon Freeman	PD-1 pathway immunotherapy	
Matt Meyerson	Mutational landscape of antigens and immune response genes in cancer	
Peter Hammerman	Primary and adaptive resistance to checkpoint blockade in lung cancer	
Tyler Jacks	Use of genetically engineered mouse models to probe tumor-immune interactions	
Lunch and Poster Session		12:55 - 2:15
Tumor Microenvironment 1		2:15 - 3:30
<i>Chair: Mikael Pittet</i>		
Alex Shalek	TILs from the Tumorhood	
Mikael Pittet	Manipulating cancer/immune cell interactions	
Aviv Regev	Dissecting the tumor ecosystem using single cell RNA-Seq	
Coffee Break		3:30 - 4:00
Target Discovery		4:00 - 5:15
<i>Chair: Nick Haining</i>		
Todd Golub	Characterization of a small-molecule that induces tumor immunity	
Nick Haining	<i>In vivo</i> CRISPR screens to identify mechanisms of immune evasion	
Nir Hacohen	Drivers of tumor immunity in humans	
Day 1 Closing Remarks	Vijay Kuchroo	5:15 - 5:30

Tuesday, November 17

Breakfast		8:00 - 8:45
Introduction	Nick Haining and Nir Hacohen	8:45 - 9:00
Targeting the Immune System		9:00 - 10:40
<i>Chair: Dane Wittrup</i>		
Judy Lieberman	Harnessing RNAi to kill tumors and activate tumor immunity	
Dane Wittrup	Engineering synergistic innate & adaptive immunotherapy	
Dave Mooney	Biomaterials as therapeutic cancer vaccines	
Jerry Ritz	Reconstitution of immune tolerance in patients after allogeneic hematopoietic stem cell transplantation	
Coffee Break		10:40 - 11:10
Tumor Microenvironment 2		11:10 - 12:25
<i>Chair: Scott Rodig</i>		
Nelly Polyak	In situ to invasive carcinoma transition as a key immune escape step in breast tumor progression	
Scott Rodig	Tissue biomarker analyses in immuno-oncology	
Shawn Demehri	Immune regulation of early breast carcinogenesis	
Lunch		12:25 - 1:15
Insights from Patients and Trials		1:15 - 2:55
<i>Chair: Margaret Shipp</i>		
David Reardon	Immunotherapy for glioblastoma update	
Margaret Shipp	Targetable basis of immune escape in lymphoma	
Justin Gainor	Immune checkpoint inhibitors in lung cancer: insights from the clinic	
Stephen Hodi & Patrick Ott	Immune-checkpoint blockade: changing the therapeutic landscape for cancer	
Coffee Break		2:55 - 3:25
TCRs and Tumor Antigens		3:25 - 4:40
<i>Chair: Cathy Wu</i>		
Mark Cobbold	Cancer as an immunodeficiency	
Stephanie Dougan	Immunotherapy for pancreatic cancer	
Cathy Wu	Discovering and targeting personal tumor neoantigens	
Panel Discussion		4:40 - 5:30