

Starr Cancer Consortium Retreat

Cold Spring Harbor Laboratory, May 2-3, 2016

Monday, May 2, 2016

9:00 – 11:00 am		<i>Attendee Arrival and Check In</i>		(Grace Auditorium Lobby)
11:00 am		<i>Welcome and Opening Remarks</i> David Spector Director of Research Cold Spring Harbor Laboratory		(Grace Auditorium)
11:10 am – 12:30 pm		<i>Plenary Session</i> Chairs: David Spector & Joan Massagué		(Grace Auditorium)
11:10 am	1	Chenxi Tian	<i>Proteomic Analyses of Extracellular Matrix in Pancreatic Cancer</i>	
11:30 am	2	Peter Hammerman	<i>Identification of Tumor Cell and Microenvironmental Determinants of Response to Immune Checkpoint Blockade in Lung Cancer</i>	
11:50 am	3	Morgan Huse	<i>Modulating T Cell Cytotoxicity to Enhance Anti-Tumor Immunotherapy</i>	
12:10 pm	4	Joseph Sun	<i>Regulation of Innate Lymphocytes, Colitis, and Colon Cancer by Transcription Factor Nfil3</i>	
12:30 – 2:00 pm		<i>Lunch</i>		(Blackford Hall)
2:00 – 3:20 pm		<i>Plenary Session</i> Chairs: Lewis Cantley & Todd Golub		(Grace Auditorium)
2:00 pm	5	Curtis Huttenhower	<i>Diet-Linked Gut Microbiome Risk Factors in Colorectal Carcinogenesis</i>	
2:20 pm	6	Manish Shah	<i>The Impact of the Gastric Microbiome on Gastric Cancer Development</i>	
2:40 pm	7	David Lyden	<i>Defining the Role of Tumor-Secreted Exosomes in Lymph Node Metastasis</i>	
3:00 pm	8	Alexander Nguyen	<i>Basic and Therapeutic Application of Metastasis Suppressor microRNAs to Colorectal Cancer</i>	
3:20– 4:10 pm		<i>First Poster Session (With Coffee Break)</i>		(Grace Lobby & Patio)

4:10 – 5:10 pm		<i>Plenary Session</i>	(Grace Auditorium)
		Chairs: Lewis Cantley & Titia de Lange	
4:10 pm	9	Lloyd Trotman	<i>Validation of a New Mouse Model System for Castration Resistant Metastatic Prostate Cancer</i>
4:30 pm	10	Yu Chen	<i>Co-Clinical Trials Using Organoids for Patients with Advanced Prostate Cancer</i>
4:50 pm	11	Sanford Simon	<i>Creation of Mouse Models for Fibrolamellar Hepatocellular Carcinoma</i>
5:30 – 6:00 pm		<i>Wine and Cheese Reception (Posters available)</i>	(Grace Patio)
6:00 – 7:00 pm		<i>Banquet Dinner</i>	(Mayr Dining Room)
7:10 – 8:10 pm		<i>Plenary Session</i>	(Grace Auditorium)
		Chairs: Todd Golub & Joan Massagué	
7:10 pm	12	Gurinder Atwal	<i>Functional Analysis of Ectopic Germline Gene Expression in Cancer</i>
7:30 pm	13	Norbert Perrimon	<i>Discovery and Validation of Tumor Suppressor Genes in Colorectal Cancer Using a Novel Cross Species Approach</i>
7:50 pm	14	Christopher Mason	<i>Single-Cell Resolution of Emergent Clones in the Myelodysplastic Syndromes (MDS) During Therapy and Disease Progression</i>

End of Day One

Tuesday, May 3, 2016

8:30 – 9:50 am ***Plenary Session*** **(Grace Auditorium)**
Chairs: Titia de Lange & Craig Thompson

8:30 am **15** Nina Papavasiliou *Role of RNA in Targeting AID to DNA in B Cell Immunity and Cancer*

8:50 am **16** Omar Abdel-Wahab *Understanding and Targeting Spliceosomal-Mutation Hematopoietic Malignancies*

9:10 am **17** Maria Jasin *Threshold Effects and Non-Canonical Functions of the Tumor Suppressor BRCA2 and Interacting Proteins RAD51 and DSS1*

9:30 am **18** Jonathan Rosenberg *ERCC2 Somatic Mutations as Biomarkers of Platinum Chemotherapy Sensitivity in Urothelial Carcinoma and Other Platinum-treated Tumors*

9:50 – 10:40 am ***Second Poster Session (With Coffee Break)*** **(Grace Lobby & Patio)**

10:40 – 12:00 noon ***Plenary Session*** **(Grace Auditorium)**
Chair: Bruce Stillman & Craig Thompson

10:40 am **19** Minkui Luo *Designing Sinefungin Scaffolds as Specific Protein Methyltransferase Inhibitors*

11:00 am **20** Matthew Shair *Inhibition of CDK8/CDK19 as a Therapeutic Strategy for MPNs*

11:20 am **21** Aviv Regev *Elucidating the Function of Cancer Related Histone Modifiers by Integrative Analysis*

11:40 am **22** David Solit *Genome Sequencing of Outlier Responders to Systemic Cancer Therapies*

Closing Remarks
Executive Committee

12:00 noon ***Attendee Departure - Lunch Available***

Poster Presentations

Posters will be displayed for the duration of the Retreat. Posters will be presented in two poster sessions. Each poster's presenter will be available at his/her poster during the assigned session. Session assignments are listed in the right hand column.

Session 1: Monday, May 2nd; 3:20 – 4:10 pm

Session 2: Tuesday, May 3rd; 9:50 – 10:40 am

Abstract			Session
23	Je H. Lee	<i>Translating Molecular Profiles into Clinical Biomarkers Using Spatially Defined RNA Sequencing in situ</i>	1
24	John Maciejowski	<i>Telomere Crisis and Chromosome Shattering in Cancer</i>	2
25	Christopher Vakoc	<i>Targeting the Chromatin Reader Protein TRIM33 as Epigenetic Therapy in B Cell Neoplasms</i>	1
26	Haiying Zhang	<i>Circulating Exosomal microRNA as Biomarkers of Medulloblastoma Progression, Metastasis, and Recurrence</i>	2
27	Shannon Elf	<i>Personalized Immunotherapy for the Treatment of Hematological Malignancies</i>	1
28	Ethel Cesarman	<i>Elucidating the Etiologic Role of Linker Histone Mutations in Hematological Malignancy</i>	2
29	Alex Kentsis	<i>Epigenetic Control of DNA Transposition in Embryonal Cancers</i>	1
30	Michael Yaffe	<i>Mechanism-Based Targeting of RNA Binding Protein Networks for Chemo-Sensitization in Non-Small Cell Lung Cancer (NSCLC)</i>	2
31	Samie Jaffrey	<i>A Massively Parallel Protein Synthesis Platform for Functional Screening of Cancer Proteomes</i>	1
32	Marco Seandel	<i>The Paternal Germline as a Source of de novo Cancer Risk in Offspring</i>	2
33	Sun Mi Park	<i>Translation Regulation in Acute Myeloid Leukemia</i>	1

34	Kosuke Funato	<i>Human ES-Based Modeling of Pediatric Glioblastoma by Histone Mutations</i>	2
35	Ryan Smith	<i>Modeling Pediatric Gliomas of the Thalamus Bearing Histone Mutations</i>	2
36	Xiaomu Wei	<i>Whole Exome and Genome Sequencing to Identify Familial Multiple Myeloma Risk Genes</i>	1
37	Delphine Fagegaltier	<i>Activation of Germline Genes and Functional Piwi/piRNAs in Drosophila Primary Cultures Relevant to Cancer</i>	2
38	Helga Thorvaldsdottir	<i>Transforming Genomics Data Visualization for Cancer Research</i>	1
39	Ritu Kumar	<i>Crosstalk among Epigenetic Modifiers Activation-Induced Cytidine Deaminase and Ten Eleven Translocation Enzymes During Reprogramming</i>	2
40	Jiehui Deng	<i>Pre-Clinical Study Using KRAS Mutant Mouse Models for Lung Cancer Immunotherapy Together with MEK Inhibition</i>	1
41	Nadia Hassounah	<i>Identification and Characterization of an Alternative Cancer-Derived PDL1 Isoform as a Microenvironmental Determinant of Response to Immune Checkpoint Blockade</i>	2
42	Esra A. Akbay	<i>STK11/LKB1 Deficiency Promotes Neutrophil Recruitment and Proinflammatory Cytokine Production to Suppress T Cell Activity in the Lung Tumor Microenvironment</i>	1
43	Pei Xin Lim	<i>Assessing Somatic Tumor-Associated RAD51 Mutations and Screening for Novel Dominant-Interfering RAD51 Proteins</i>	2
44	Rafal P. Wiewiora	<i>Mapping the Conformational Landscapes of Protein Lysine Methyltransferases (PKMTs) Through Molecular Dynamics Simulations on the Folding@Home Distributed Computing Platform and Markov State Model Analysis of Millisecond-timescale Data</i>	1

45	Dawid G. Nowak	<i>Phlpp2 Status Dictates Outcome of Hormone Therapy in Prostate Cancer</i>	2
46	Elodie Pronier	<i>Assessing the Contribution of WT1 Mutations to the Pathogenesis of Acute Myeloid Leukemia</i>	1