

Starr Cancer Consortium Retreat

Cold Spring Harbor Laboratory, April 29 – April 30, 2019

Monday, April 29, 2019

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 – 1</i> Chairs: David Spector & Leemor Joshua-Tor	(Grace Auditorium)
11:10 am	1	Omar Abdel-Wahab <i>Dissecting micro-environmental contributions to the pathogenesis of myelodysplastic syndromes</i>	
11:30 am	2	Lisa Giulino Roth <i>Modulation of viral latency in EBV-associated lymphomas as a mechanism to sensitize tumors to EBV-directed cellular therapy</i>	
11:50 am	3	Ari Melnick <i>Defining the cellular origin and mechanistic basis for therapy resistant B-cell lymphomas</i>	
12:10 pm	4	Wouter Karthaus <i>Transcriptional reprogramming drives cancer cell heterogeneity and drug resistance</i>	
12:30 – 2:00 pm		<i>Lunch</i>	(Blackford Hall)
2:00 – 3:20 pm		<i>Plenary Session - 2</i> Chairs: Titia de Lange & Lisa Giulino Roth	(Grace Auditorium)
2:00 pm	5	Eliezer Van Allen <i>Patient-driven molecular characterization of rare and refractory germ cell tumors</i>	
2:20 pm	6	Lukas Dow <i>Investigating cancer-associated structural genomic rearrangements using in vivo genome editing</i>	

2:40 pm	7	Marcin Imielinski	<i>Deciphering signatures of broken DNA repair pathways in long-range cancer whole genome sequences</i>
3:00 pm	8	Rona Yaeger	<i>Defining key genomic alterations in the carcinogenesis of colitis-associated cancers</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 - 3</i> Chairs: Joan Massagué & Elaine Fuchs		(Grace Auditorium)
4:10 pm	9	Gabriel Victora	<i>Tracking T cell-antigen presenting cell contacts within tumors in vivo</i>
4:30 pm	10	Richard White	<i>An in vivo CRISPR screen for melanoma progression in zebrafish</i>
4:50 pm	11	Hans-Guido Wendel	<i>Dissecting SHMT2 function as a metabolic driver of lymphomagenesis</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, Blackford Hall)
7:10 – 8:10 pm	<i>Plenary Session - 4</i> Chairs: Todd Golub & Rona Yaeger		(Grace Auditorium)
7:10 pm	12	Lydia Finley Sanjeethan C Baksh	<i>Dissecting the metabolic regulation of tumor initiating stem cells</i>
7:30 pm	13	Gina Lee	<i>Biochemical and genetic investigation of oncogenic TOR-dependent regulation of RNA metabolism and tumorigenesis using cross-species approaches</i>
7:50 pm	14	Ross Levine	<i>Clonal hematopoiesis as a driver of adverse clinical outcome</i>

End of Day One

Tuesday, April 30, 2019

8:50 – 9:50 am		<i>Plenary Session - 5</i>	(Grace Auditorium)
		Chairs: Lewis Cantley & Lydia Finley	
8:50 am	15	Sanford Simon	<i>High throughput identification of apoptosis sensitizing compounds in fibrolamellar hepatocellular carcinoma</i>
9:10 am	16	Hans-Guido Wendel	<i>Exploring the eIF4A RNA helicase as a new cancer drug target</i>
9:30 am	17	Michael Yaffe	<i>Mechanism-based targeting of RNA binding protein networks for chemo-sensitization in non-small cell lung cancer (NSCLC)</i>
9:50 – 10:40 am		<i>Second Poster Session (with Coffee Break)</i>	(Grace Lobby & Patio)
10:40 – 12:00 noon		<i>Plenary Session - 6</i>	(Grace Auditorium)
		Chairs: Craig Thompson & Monica Guzman	
10:40 am	18	Christopher Park	<i>Identifying RNA-binding proteins as a novel class of therapeutic targets in glioblastoma cancer stem-like cells</i>
11:00 am	19	Dan Landau	<i>Discovery of epigenetic drivers of tumor evolution</i>
11:20 am	20	Michael Kharas	<i>The mRNA methylation program in leukemia</i>
11:50 am		<i>Closing Remarks</i>	
		Executive Committee	
12:00 pm – 1:00 pm		<i>Attendee Departure - Lunch Available</i>	

Poster Presentations

Posters are displayed for the duration of the Retreat. Posters are 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, April 29 3:20 – 4:10 pm
Session 2: Tuesday, April 30 9:50 – 10:40 am

Abstract			Session
21	Jimmy L. Zhao	<i>Defining prostate cancer cells of origin through single cell profiling</i>	1
22	Jessica Tyler Scott Keeney	<i>Genomic instability in the chromosomal context of physiological DNA double-strand break formation</i>	2
23	Bishoy Faltas	<i>APOBEC mutagenesis in bladder cancer: mechanisms and therapeutic opportunities</i>	1
24	Kayvan Keshari	<i>Imaging and targeting glycolytically driven oxidative stress using ascorbate</i>	2
25	Adi Y. Berman Megan E. Kelley	<i>Using morphological pharmacodynamic markers to analyze drug sensitivity, resistance, and toxicity</i>	1
26	Tiantian Zhang	<i>The function and regulation of MiT/TFE activation in autophagy and pancreatic ductal adenocarcinoma</i>	2
27	Yosef E. Maruvka	<i>Lynch syndrome colorectal cancer immunoprevention using recurrent neoantigen peptide vaccination</i>	1
28	Kivanc Birsoy	<i>Identification of transcriptional determinants of asparaginase sensitivity in leukemias</i>	2

29	Samie Jaffrey	<i>Real-time imaging of metabolic deregulation in cancer</i>	1
30	Samie Jaffrey	<i>A massively parallel protein synthesis platform for functional screening of cancer proteomes</i>	1
31	Lingling Dai Deyao Li	<i>Targeting the chromatin reader protein TRIM33 as a cancer therapy in B cell acute lymphoblastic leukemia</i>	2
32	Pei Xin Lim	<i>RAD51 mutations reported in tumors and Fanconi anemia patients cause a range of cellular defects</i>	1
33	Dawid G. Nowak	<i>The PHLPP2 phosphatase is a druggable driver of prostate cancer metastasis</i>	2
34	Xiaochuan Cai	<i>Designing sinefungin scaffolds as specific protein methyltransferase inhibitors</i>	2
35	Chao Zhang	<i>The impact of the gastric microbiome on gastric cancer development</i>	1
36	Daniel Fuerth	<i>Translating molecular profiles into clinical biomarkers using spatially defined RNA sequencing in situ</i>	2
37	Aleksey Chudnovskiy	<i>Tracking T cell-antigen presenting cell contacts within tumors in vivo</i>	1
38	Elizaveta Lavrova	<i>Identifying apoptotic chemical sensitivities in fibrolamellar hepatocellular carcinoma using dynamic Bh3 profiling</i>	2
39	Sanjeethan C Baksh	<i>Extracellular serine dependence restricts αKG driven differentiation in oncogenic stem cells</i>	1

40	Diu Nguyen	<i>The mRNA methylation program in leukemia</i>	2
41	Nathaniel R. Campbell	<i>Heterogeneous cell clusters promote melanoma metastasis via cell-cell cooperation</i>	1
42	Nevin Yusufova	<i>Elucidating the etiologic role of linker histone mutations in hematological malignancy</i>	2
43	Andrew Chow	<i>Identification of tumor cell and microenvironmental determinants of response to immune checkpoint blockade in lung cancer</i>	1
44	Sylvie Le Blancq	<i>Starr Technology Commercialization Fund</i>	1