

Starr Cancer Consortium Retreat

Cold Spring Harbor Laboratory, May 16 – May 17, 2022

Monday, May 16, 2022

9:00 – 11:00 am		<i>Attendee Arrival and Check In</i>	(Grace Auditorium Lobby)
11:00 am		<i>Welcome and Opening Remarks</i> Bruce Stillman President Cold Spring Harbor Laboratory	(Grace Auditorium)
11:10 am – 12:30 pm		<i>Plenary Session - 1</i> Chairs: Bruce Stillman & Rona Yaeger	(Grace Auditorium)
11:10 am	1	Bishoy Faltas	<i>APOBEC mutagenesis in bladder cancer: mechanisms and therapeutic opportunities</i>
11:35 am	2	Maria Jasin	<i>Modifiers of BRCA2 tumor suppressor loss of function</i>
12:00 pm	3	Charles Kinzig	<i>The role of telomerase in healing broken chromosomes in cancer</i>
12:30 – 2:00 pm		<i>Lunch</i>	(Blackford Hall)
2:00 – 3:20 pm		<i>Plenary Session - 2</i> Chairs: Craig Thompson & Christina Leslie	(Grace Auditorium)
2:00 pm	4	Steven Lipkin	<i>Lynch syndrome colorectal cancer immunoprevention using recurrent neoantigen peptide vaccination</i>
2:25 pm	5	Rona Yaeger	<i>Defining key genomic alterations in the carcinogenesis of colitis-associated cancers</i>
2:50 pm	6	Kivanç Birsoy	<i>Identification of transcriptional determinants of asparaginase sensitivity in leukemias</i>
3:20 – 4:10 pm		<i>First Poster Session (with Coffee Break)</i>	(Grace Lobby & Patio)

4:10 – 5:30 pm		Plenary Session - 3	(Grace Auditorium)
		Chairs: David Spector & Helena Yu	
4:10 pm	7	Semir Beyaz	<i>Dietary regulation of cancer immunity</i>
4:35 pm	8	Justin Cross	<i>Detection of impending infections in immunocompromised cancer patients</i>
5:00 pm	9	Alok Tewari	<i>Patient-driven molecular characterization of rare and refractory germ cell tumors</i>
5:30 – 6:00 pm		Wine and Cheese Reception (Posters available)	(Grace Patio)
6:00 – 7:00 pm		Banquet Dinner	(Mayr Dining Room, Blackford Hall)
7:10 – 8:30 pm		Plenary Session - 4	(Grace Auditorium)
		Chairs: Todd Golub & Lisa Giulino Roth	
7:10 pm	10	Matthew Meyerson	<i>EGFR inhibition in lung cancer: resistance, sensitization, and combination therapy</i>
7:35 pm	11	Yi-Chieh Nancy Du	<i>The function and regulation of MiT/TFE activation in autophagy and pancreatic ductal adenocarcinoma</i>
8:00 pm	12	Christopher Vakoc	<i>Chemical disruption of kinase-to-chromatin signaling in chemotherapy-refractory leukemia</i>

End of Day One

Tuesday, May 17, 2022

8:30 – 9:50 am		Plenary Session - 5	(Grace Auditorium)
		Chairs: Joan Massagué & Leemor Joshua-Tor	
8:30 am	13	Yu Han	<i>Using morphological pharmacodynamic markers to analyze drug sensitivity, resistance, and toxicity</i>
8:55 am	14	Steven Gross	<i>Microbiome-derived hydrogen sulfide as a trigger for CIMP colorectal cancer</i>
9:20 am	15	Kayvan Keshari	<i>Imaging and targeting glycolytically driven oxidative stress using ascorbate</i>
9:50 – 10:40 am		Second Poster Session (with Coffee Break)	(Grace Lobby & Patio)
10:40 – 11:55 am		Plenary Session - 6	(Grace Auditorium)
		Chair: Bruce Stillman & Ethel Cesarman	
10:40 am	16	Samie Jaffrey	<i>Real-time imaging of metabolic deregulation in cancer</i>
11:05 am	17	Andrew Intlekofer	<i>Metabolic coupling of hypoxia to intratumoral heterogeneity</i>
11:30 am	18	Gregory Alushin	<i>Visualizing targeted killing of cancer cells by therapeutic T-cells at the nanoscale</i>
11:55 am		Closing Remarks	
		Executive Committee	
12:00 pm – 1:00 pm		Attendee Departure - Lunch Available	

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, May 16 3:20 – 4:10 pm
 Session 2: Tuesday, May 17 9:50 – 10:40 am

Abstract			Session
19	Jasmin Kruell	<i>Targeting the MYB proto-oncoprotein as a therapeutic strategy for acute myeloid leukemia</i>	1
20	Caroline Wiggers	<i>Exploiting functional epigenomics and proteomics to unravel neoantigens in pediatric leukemia</i>	2
21	Alexia Martínez de Paz	<i>Mechanisms of dynamic chromatin reorganization regulating B cell differentiation and lymphomagenesis</i>	1
22	Stefan Torborg	<i>Defining the cancer stem cell niche</i>	2
23	Michael Ortiz	<i>Characterizing the genomic landscape of adult onset Wilms' tumors to generate faithful preclinical models for therapeutic testing.</i>	1
24	Yuhki Saito	<i>Systematic identification of oncogenic protein-RNA interaction sites for GBM treatment</i>	2
25	Yang Bai Albert Agustinus	<i>Examining the link between EZH2 and chromosomal instability in metastatic breast cancer</i>	2
26	Zsofia Stadler	<i>MSIPredict: highly sensitive detection of tumor derived cell-free DNA for cancer interception in Lynch syndrome</i>	2
27	Samantha J. Van Nest	<i>The effects of radiotherapy on the presentation of phosphorylated antigens by cancer cells</i>	1
28	Bishoy Faltas	<i>Defining the functional impact of composite mutations in oncogene-driven urothelial cancer using circulating-tumor DNA and single-cell sequencing</i>	2

29	Ron Baik	<i>Characterizing the impact of mitochondrial DNA mutations on colorectal cancer</i>	1
30	Chen Weng	<i>Abrogating clonal evolution and myeloid transformation by targeting epigenetic plasticity</i>	2
31	Lisa Giulino Roth	<i>Defining the evolution and tumor microenvironment interactions of classic Hodgkin lymphoma through single-cell multi-omics and genetically engineered mouse models</i>	1
32	Yael David	<i>Exploring protein glycation for cancer therapy</i>	2
33	Chhiring Lama	<i>Early intervention for the prevention of blood cancer development</i>	1
34	Iman Hajirasouliha	<i>Weakly-supervised tumor purity prediction from H&E stained slides</i>	2
35	Mario Suva	<i>Defining the evolutionary mechanisms of IDH-mutant glioma progression through single-cell multi-omics innovation</i>	1
36	Tobias Janowitz	<i>Defining the role of sleep in cancer immunity and metabolism</i>	2
37	Xinran Tong	<i>Capture of leptomeningeal cancer cell and macrophage iron metabolism</i>	1
38	Sun-Mi Park David Miyamoto	<i>Targeting IKZF2 as a novel stem cell/immuno-oncologic therapy in AML</i>	2
39	Tai-Yuan Yu	<i>Modifiers of BRCA2 Tumor Suppressor Loss of Function</i>	1
40	Sydney Moyer	<i>Defining immune-modulation in inflammation-associated colorectal cancer precursor lesions</i>	2
41	Maira Di Tano	<i>Imaging and targeting glycolytically driven oxidative stress using ascorbate</i>	1