

Starr Cancer Consortium Retreat

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

Monday, April 29, 2019

Note: Presenter names will be updated based on submitted abstracts. Reminder, abstracts are due March 28, 2019. Instructions can be found at www.starrcancer.org

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</i>	(Grace Auditorium)
11:10 am	Omar Abdel-Wahab	<i>Dissecting Micro-Environmental Contributions to the Pathogenesis of Myelodysplastic Syndromes</i>
11:30 am	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	Ari Melnick	<i>Defining the cellular origin and mechanistic basis for therapy resistant B-cell lymphomas</i>
12:10 pm	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</i>	(Grace Auditorium)
2:00 pm	Eliezer Van Allen	<i>Patient-Driven Molecular Characterization of Rare and Refractory Germ Cell Tumors</i>
2:20 pm	Lukas Dow	<i>Investigating Cancer-Associated Structural Genomic Rearrangements Using in vivo Genome Editing</i>
2:40 pm	Marcin Imielinski	<i>Deciphering signatures of broken DNA repair pathways in long-range cancer whole genome sequences</i>
3:00 pm	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</i>	(Grace Auditorium)
4:10 pm	Gabriel Victora	<i>Tracking T Cell-Antigen Presenting Cell Contacts within Tumors in vivo</i>
4:30 pm	Richard White	<i>An in vivo CRISPR Screen for Melanoma Progression in Zebrafish</i>
4:50 pm	Kivanc Birsoy	<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</i>	(Grace Auditorium)
7:10 pm	Elaine Fuchs	<i>Dissecting the Metabolic Regulation of Tumor Initiating Stem Cells</i>
7:30 pm	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	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</i>	(Grace Auditorium)
8:50 am	Sanford Simon	<i>High Throughput Identification of Apoptosis Sensitizing Compounds in Fibrolamellar Hepatocellular Carcinoma</i>
9:10 am	Hans-Guido Wendel	<i>Exploring the eIF4A RNA Helicase as a New Cancer Drug Target</i>
9:30 am	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</i>	(Grace Auditorium)
10:40 am	Christopher Park	<i>Identifying RNA-Binding Proteins as a Novel Class of Therapeutic Targets in Glioblastoma Cancer Stem-Like Cells</i>
11:00 am	Alexander Meissner	<i>Discovery of Epigenetic Drivers of Tumor Evolution</i>
11:20 am	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

		Session
Orit Rozenblatt-Rosen	<i>Defining prostate cancer cells of origin through single cell profiling</i>	1
Jessica Tyler	<i>Genomic instability in the chromosomal context of physiological DNA double-strand break formation</i>	2
Bishoy Faltas	<i>APOBEC mutagenesis in bladder cancer: mechanisms and therapeutic opportunities</i>	1
Kayvan Keshari	<i>Imaging and targeting glycolytically driven oxidative stress using ascorbate</i>	2
Anne Carpenter	<i>Using morphological pharmacodynamic markers to analyze drug sensitivity, resistance, and toxicity</i>	1
Nancy Yi-Chieh Du	<i>The function and regulation of MiT/TFE activation in autophagy and pancreatic ductal adenocarcinoma</i>	2
Steven Lipkin	<i>Lynch Syndrome Colorectal Cancer Immunoprevention using Recurrent Neoantigen Peptide Vaccination</i>	1
Kivanc Birsoy	<i>Identification of transcriptional determinants of asparaginase sensitivity in leukemias</i>	2
Samie Jaffrey	<i>Real-time imaging of metabolic deregulation in cancer</i>	1
Samie Jaffrey	<i>A Massively Parallel Protein Synthesis Platform for Functional Screening of Cancer Proteomes</i>	1

Paul Park Virangika Wimalasena Lingling Dai	<i>Targeting the Chromatin Reader Protein TRIM33 as Epigenetic Therapy in B Cell Neoplasms</i>	2
Pei Xin Lim	<i>Threshold Effects and Non-Canonical Functions of the Tumor Suppressor BRCA2 and Interacting Proteins RAD51 and DSS1</i>	1
Lloyd Trotman	<i>Validation of a New Mouse Model System for Castration Resistant Metastatic Prostate Cancer</i>	2
Xiaochuan Cai	<i>Designing Sinefungin Scaffolds as Specific Protein Methyltransferase Inhibitors</i>	2
Chao Zhang Prashant Thakkar	<i>The Impact of the Gastric Microbiome on Gastric Cancer Development</i>	1
Daniel Furth	<i>Translating Molecular Profiles into Clinical Biomarkers Using Spatially Defined RNA Sequencing in situ</i>	2