

# **Starr Cancer Consortium Retreat**

Cold Spring Harbor Laboratory, May 11-12, 2015

## **Monday, May 11, 2015**

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: Cancer Biology I</i> Chair: David Spector	(Grace Auditorium)
11:10 am	Yu Chen	“Elucidating Mechanisms of ETS-mediated Oncogenesis in Prostate Cancer and Gastrointestinal Stromal Tumor (GIST)”
11:30 am	Curtis Huttenhower	“Diet-Linked Gut Microbiome Risk Factors in Colorectal Carcinogenesis”
11:50 pm	Sohail Tavazoie	“Basic and Therapeutic Application of Metastasis Suppressor microRNAs to Colorectal Cancer”
12:10 pm	Richard Hynes	“Proteomic Analyses of Extracellular Matrix in Pancreatic Cancer”
12:30 – 2:00 pm	<i>Lunch</i>	(Blackford Hall)
2:00 – 3:20 pm	<i>Plenary Session: Cancer Biology II</i> Chair: Laurie Glimcher	(Grace Auditorium)
2:00 pm	Yariv Houvras	“Define Oncogenic Mechanisms of Protein Methyltransferases in Melanoma”
2:20 pm	Chao Lu	“Elucidating Mechanisms of Histone H3.3 Mutants-Mediated Oncogenesis in Pediatric Brain Cancers”
2:40 pm	Aviv Regev	“Elucidating the Function of Cancer Related Histone Modifiers by Integrative Analysis”
3:00 pm	Ross Levine	“IDH1/2 Mutations as a Therapeutic Target in Leukemia and Chondrosarcoma”

3:20– 4:10 pm	<b><i>First Poster Session (With Coffee Break)</i></b>	<b>(Grace Lobby &amp; Patio)</b>
4:10 – 5:10 pm	<b><i>Plenary Session: Cancer Biology III</i></b> Chair: Titia de Lange	<b>(Grace Auditorium)</b>
4:10 pm	Agata Smogorzewska	“Identification and Functional Analysis of Novel Cancer Susceptibility Genes in Fanconi Anemia and Familial Breast Cancer Patients”
4:30 pm	Jayanta Chaudhuri	“Non-coding RNA Generated Following Lariat-debranching Mediates Targeting of AID to DNA”
4:50 pm	Todd Evans	“Discovery of AID-dependent Epigenetic Mechanisms in Hematological Malignancies”
5:30 – 6:00 pm	<b><i>Wine and Cheese Reception (Posters available)</i></b>	<b>(Grace Patio)</b>
6:00 – 7:00 pm	<b><i>Banquet Dinner</i></b>	<b>(Mayr Dining Room)</b>
7:10 – 8:30 pm	<b><i>Plenary Session: Functional Genome</i></b> Chair: Joan Massagué	<b>(Grace Auditorium)</b>
7:10 pm	Raffaella Sordella	“Functional Characterization of Genomic Abnormalities that Cooperate with EGFR and K-RAS Oncogenic Mutations in Lung Tumorigenesis”
7:30 pm	Christopher Barbieri	“Functional Validation of Somatic Mutations in Prostate Cancer”
7:50 pm	Cory Johannessen	“Systematic Studies of Resistance to Targeted Anticancer Therapeutics and Combinations”
8:10 pm	Gurinder Atwal	“Functional Analysis of Ectopic Germline Gene Expression in Cancer”

***End of Day One***

## Tuesday, May 12, 2015

8:30 – 9:50 am	<b><i>Plenary Session: Cancer Biology IV</i></b> Chair: Todd Golub	<b>(Grace Auditorium)</b>
8:30 am	Olivier Elemento	“Comprehensive Elucidation of the Mechanisms of Action of Anticancer Molecules”
8:50 am	Morgan Huse	“Architectural Regulation of T Cell Cytotoxicity”
9:10 am	Yu Chen	“Co-Clinical Trials Using Organoids for Patients with Advanced Prostate Cancer”
9:30 am	Jonathan Rosenberg	“ERCC2 Somatic Mutations as Biomarkers of Platinum Chemotherapy Sensitivity in Urothelial Carcinoma and Other Platinum-treated Tumors”
9:50 – 10:35 am	<b><i>Second Poster Session (With Coffee Break)</i></b>	<b>(Grace Lobby &amp; Patio)</b>
10:35 – 11:55 am	<b><i>Plenary Session: Cancer Genome</i></b> Chair: Bruce Stillman	<b>(Grace Auditorium)</b>
10:35 am	Kenneth Offit	“Breast Cancer Protective Alleles by Whole Genome Analysis”
10:55 am	Christina Leslie	“Linking Signaling Pathways to Transcriptional Programs to Model the Impact of Somatic Aberrations”
11:15 am	Christopher Y. Park	“Single-Cell Resolution of Emergent Clones in the Myelodysplastic Syndromes (MDS) During Therapy and Disease Progression”
11:35 am	Himisha Beltran	“Genome Sequencing of Outlier Responders to Systemic Cancer Therapies”
11:55 am	<b><i>Closing Remarks</i></b> Executive Committee	
12:00 pm	<b><i>Attendee Departure - Lunch Available</i></b>	

## 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 11<sup>th</sup>; 3:20 – 4:10 pm

Session 2: Tuesday, May 12<sup>th</sup>; 9:50 – 10:35 am

		<b>Session</b>
Matthew Hellmann	“Identification of Tumor Cell and Microenvironmental Determinants of Response to Immune Checkpoint Blockade in Lung Cancer”	<b>1</b>
Xinyu Wang	“Discovery and Validation of Tumor Suppressor Genes in Colorectal Cancer Using a Novel Cross Species Approach”	<b>2</b>
Clair Geary	“Regulation of Innate Lymphocytes, Colitis, and Colon Cancer by Transcription Factor Nfil3”	<b>1</b>
Xiaochuan Cai	“Designing Sinefungin Scaffolds as Specific Protein Methyltransferase Inhibitors”	<b>2</b>
Matthew Shair	“Inhibition of CDK8/CDK19 as a Therapeutic Strategy for MPNs”	<b>1</b>
Omar Abdel-Wahab	“Understanding and Targeting Spliceosomal-Mutation Hematopoietic Malignancies”	<b>2</b>
Carla M. Abreu	“Threshold Effects and Non-Canonical Functions of the Tumor Suppressor BRCA2 and Interacting Proteins RAD51 and DSS1”	<b>2</b>
Lloyd Trotman	“Validation of a New Mouse Model System for Castration Resistant Metastatic Prostate Cancer”	<b>1</b>
Edward Kasthuber	“Creation of Mouse Models for Fibrolamellar Hepatocellular Carcinoma”	<b>1</b>
Hector Peinado	“Defining the Role of Tumor-Secreted Exosomes in Lymph Node Metastasis”	<b>2</b>
Chao Zhang	“Identification of Gastric Microbiome From Endoscopic Biopsy Samples using Whole Genome Sequencing”	<b>1</b>

Hatice Osmanbeyoglu	“Modeling the Impact of Somatic Alterations in Ubiquitin Pathway Genes Across Human Cancers”	2
Sara Meyer	“Type II Inhibition of JAK2 with NVP-CHZ868 Reverses Type I JAK Inhibitor Persistence and Demonstrates Increased Efficacy in MPN Models”	1
Sheng Li and Francine Garrett-Bakelman	“Mechanisms Determining Disease Relapse in Older Patients with Acute Myeloid Leukemia”	1
Mo Chen	“JMJD1C is Required for the Survival of Acute Myeloid Leukemia by Functioning as a Coactivator for Key Transcription Factors”	1
Carla Concepcion	“Halo-Enhanced Ago2 Pulldown (Heap) For The Identification of miRNA/mRNA Interactions <i>in vivo</i> ”	2
Jill Mesirov	“Transforming Genomics Data Visualization for Cancer Research”	1
Travis M. Shaffer	“Molecular Imaging to Assess the Tumor-Associated Immune Response with Nanoparticles”	2
Ayshwarya Subramanian	“Diet-Linked Gut Microbiome Risk Factors in Colorectal Carcinogenesis”	2
Minkui Luo	“Elucidation of Substrate Profiles of Proteinmethyltransferases”	1
Chenxi Tian	“Profiling of Extracellular Matrix Proteins in Pancreatic Ductal Adenocarcinoma Progression and Metastasis”	2
Daniel Öhlund	“ <i>Ex vivo</i> Modeling of Pancreatic Tumor-Stroma Interactions”	1
Ping Mu	“ <i>TP53</i> and <i>RBI</i> Alterations Promote Reprogramming and Antiandrogen Resistance in Advanced Prostate Cancer”	2