

# **Starr Cancer Consortium Retreat**

Cold Spring Harbor Laboratory, September 8-9, 2008

## **Monday, September 8, 2008**

- 1:00pm                    *Welcome and Opening Remarks*
- Bruce Stillman  
President, Cold Spring Harbor Laboratory
- 1:20 – 4:00pm           *Plenary Session: New Approaches to Therapeutic Intervention  
and Prevention*
- Moderators: Paul Nurse and Bruce Stillman
- 1:20pm            1        Stuart Schreiber – “Targeting the Cancer Stem Cell Niche for Novel  
Cancer Therapeutics”
- 1:40pm            2        Samie Jaffrey – “Design and Application of Biocompatible Dendrimers  
for Cancer Therapy”
- 2:00pm            3        Christian Münz – “Tumor Development and Treatment of EBV-associated  
Lymphomas in Immune Competent Humanized Mice”
- 2:20pm                    *Break*
- 2:40pm            4        Jeffrey Ravetch – “Dendritic Cell Targeting: A Novel Approach to Tumor  
Vaccination”
- 3:00pm            6        Thalia Farazi – “Mechanisms of miRNA Biogenesis and  
mRNA Targeting and Molecular Interventions to Modulate  
miRNA Pathways in Normal and Disease States”
- 3:20pm            7        Todd Golub – “Discovering Small Molecule Inhibitors of MYC and RAS”
- 3:40pm                    *General discussion*
- 4:15 – 6:00pm           *Poster Session with Wine and Cheese Reception*
- 6:00 – 7:00pm           *Banquet Dinner*

7:15 – 9:45pm      ***Plenary Session: New Genomic Approaches to the Molecular Basis of Cancer***

Moderators: Antonio Gotto and Eric Lander

7:15pm      8      Samuel Singer & Jordi Barretina – “The Sarcoma Genome Project Phase II: A Comprehensive Molecular Characterization of Soft Tissue Sarcoma to Identify Subtype Specific Therapies”

7:35pm      9      Scott Powers – “Testing and Validating High Throughput Analysis of FFPE Samples”

7:55pm      10      Kenneth Offit – “Breast Cancer Protective Alleles by Whole Genome Association and Copy Number Analysis”

8:15pm      ***Break***

8:30pm      11      Neal Rosen – “Application of Genomics to Developmental Therapeutics of Melanoma”

8:50pm      13      William Hahn – “Comparative Oncogenomics to Discover Oncogene Synthetic Lethality”

9:10pm      ***General discussion***

**Tuesday, September 9, 2008**

9:00am – 12:00pm      ***Plenary Session: New Aspects of Carcinogenesis, Progression, and Complications of Therapy***

Moderators: Titia de Lange and Harold Varmus

9:00am      14      Matthew Vander Heiden – “Role of Alternative Splicing in Regulating Cancer-Cell Metabolism”

9:20am      15      Mary E. Hatten – “Mechanism(s) of Medulloblastoma Formation in Developing Cerebellum”

9:40am      17      Malcolm Moore – “Epithelial Stem Cells in Lung Cancer and COPD”

10:00am      ***Break***

10:20am	18	Peter Besmer – “Mechanism of Tumor Progression in Mouse and Human Familial GIST”
10:40am	19	Tim Ahles & David Silbersweig – “Translational Studies of Neural Mechanisms of Chemotherapy-induced Cognitive Changes”
11:00am		<i>General discussion</i>
11:40am		<i>Closing Remarks</i>

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***Poster Session with Wine and Cheese Reception***

**Monday, September 8, 4:15 – 6:00pm**

**Poster / Abstract #**

- 20 Titia de Lange – “A Comprehensive Approach to Deciphering ALT in Human Cancers”
- 21 Haitao Li – “Molecular Basis for Histone H2B Phosphorylation Readout by 14-3-3 Protein”
- 22 Erik Wilker – “Mis-regulation of Protein Translation in the Pathogenesis and Treatment of Cancer”
- 23 Bradley E. Bernstein – “Large-Scale Studies of the Epigenetics of Human Leukemia”
- 24 Jikui Song – “Misinterpreting H3K4 Methylation Marks by Aberrant PHD Fingers Perturbs Cellular Identities and Initiates Tumorigenesis”
- 25 Ted Liefeld – “An Integrative Cancer Genomics Portal”
- 26 Hermann Steller – “Targeting Inhibitor of Apoptosis Proteins for Cancer Therapy”
- 27 Mark Rubin – “Determining Germline Risk Factors for Lethal Prostate Cancer: The Role of Copy Number Variations in Prostate Cancer Progression”
- 28 Ross Levine – “Molecular Dissection of Myelodysplastic Syndrome and Myeloproliferative Disease”
- 29 W. Richard McCombie – “Target Enrichment and Single Molecule Sequencing for Genomic Analysis of Human Tumors”
- 30 Gregory Hannon – “Studying Tumor Progression and Treatment Resistance Using Focused Re-Sequencing of High-value Gene Sets in Mouse Models of Human Lung Adenocarcinoma”

- 31 Michael F. Berger – “High-Throughput Cancer Gene Mutation Profiling by Single-Molecule Sequencing”
- 32 Ryohei Ishii – “Small Molecule Inhibitors of the Ubiquitin Pathway in Antagonizing Skin Carcinogenesis”
- 33 Douglas B. Wheeler – “Identification and Clinical Assessment of Genes that Regulate the Response of Cancers to Rapamycin”
- 34 Kimberly Hartwell & Peter Miller – “Targeting the Cancer Stem Cell Niche for Novel Cancer Therapeutics: A High Throughput Approach to Dissecting Leukemic Stem Cell Biology within the Stromal Niche”
- 35 Alison Stewart & Siddhartha Mukherjee – “Targeting the Cancer Stem Cell Niche for Novel Cancer Therapeutics: A High Throughput Chemical Screen on Hematopoietic Stem Cells in their Microenvironment”
- 36 Yanli Wang – “Structural Biology of Guide Template and Target RNA Recognition by the Argonaute Silencing Complex”
- 37 Robert Fryer – “NISCH2, a Novel Pak-binding Protein, Opposes Pak Activity during CNS Neuronal Migration”
- 38 Eve-Ellen Govek – “The Role of CDC42, An Activator of the Conserved Polarity Protein mPAR6 $\alpha$ , in CNS Migration”
- 39 Keisha John – “Role of the RAC Activator Dock7 in Neuronal Development”