Starr Cancer Consortium Retreat  
Cold Spring Harbor Laboratory, September 23-24, 2013  
Monday, September 23, 2013

9:00 – 11:00 am  
*Attendee Arrival and Check In*  
(Grace Auditorium Lobby)

11:00 am  
*Welcome and Opening Remarks*  
Bruce Stillman  
President, Cold Spring Harbor Laboratory

11:10 am – 12:30 pm  
*Plenary Session: Cancer Genome*  
Chairs: Bruce Stillman and Laurie Glimcher

11:10 am  
Kenneth Offit  
“Breast Cancer Protective Alleles by Whole Genome Association and Copy Number”

11:30 am  
Steven Lipkin  
“Genomewide Discovery of Novel Cancer Predisposing Mutations”

11:50 pm  
Howard Scher  
“Genome Wide Profiling of Single Cells for Diagnosis and Monitoring in Prostate Cancer”

12:10 pm  
Jill Mesirov  
“Transforming Genomics Data Visualization for Cancer Research”

12:30 – 2:00 pm  
*Lunch*  
(Blackford Hall)

2:00 – 3:20 pm  
*Plenary Session: Functional Genomics*  
Chairs: Titia de Lange and Todd Golub

2:00 pm  
Levi Garraway  
“Systematic Studies of Resistance to Targeted Anticancer Therapeutics and Combinations”

2:20 pm  
Mark Rubin  
“Functional Validation of Somatic Mutations in Prostate Cancer: Punctuated Evolution of Prostate Cancer Genomes”

2:40 pm  
Charles Sawyers  
“Discovery of Treatment Resistance Mechanisms in Prostate Cancer”

3:00 pm  
Norbert Perrimon  
“Genomic and Epigenetics Changes Occurring During Carcinogenesis: A Fly Perspective”

3:20 – 4:10 pm  
*First Poster Session (With Coffee Break)*  
(Grace Lobby & Patio)
4:10 – 5:30 pm  **Plenary Session: Cancer Biology I**  (Grace Auditorium)
Chairs: Marc Tessier-Lavigne and Tom Kelly

4:10 pm  Adrian Krainer  “Role of Alternative Splicing in the Regulation of Cancer-Cell Metabolism”

4:30 pm  Luca Cartegni  “Activation of Natural RTK Inhibitors in Cancer Therapy”

4:50 pm  Robert Roeder  “A Stable Transcription Factor Complex Nucleated by Oligomeric AML1-ETO Controls Leukemogenesis”

5:10 pm  Neal Rosen  “Development of Mechanism-Based Therapies for the Treatment of Metastatic Melanoma”

5:30 – 6:00 pm  **Wine and Cheese Reception (Posters available)**  (Grace Patio)

6:00 – 7:00 pm  **Banquet Dinner**  (Mayr Dining Room)

7:10 – 8:30 pm  **Plenary Session: Cancer Biology II**  (Grace Auditorium)
Chairs: Lew Cantley and David Spector

7:10 pm  Laura Tang  “Investigation of the ATRX-Daxx Chromatin-remodeling Complex in Pancreatic Neuroendocrine Tumors”

7:30 pm  Titia de Lange  “Loss of ATRX, Genome Instability, and an Altered DNA Damage Response are Hallmarks of the Alternative Lengthening Telomeres Pathway”

7:50 pm  Douglas Wheeler  “Identification of a Novel, Oncogenic PI3K Regulator by RNAi Screening”

8:10 pm  Christopher Vakoc  “BET Bromodomain Inhibition as Targeted Therapy in Acute Myeloid Leukemia”

**End of Day One**
Tuesday, September 24, 2013

8:30 – 9:50 am  **Plenary Session: Cancer Biology III**  (Grace Auditorium)
Chairs: Lew Cantley and David Spector

8:30 am  Brendon Stiles  “Proteomic Analysis of Proximal Pulmonary Venous Blood Identifies Biomarkers for Non-Small Cell Lung Cancer”

8:50 am  Ami S. Bhatt  “Pathogen Discovery in AIDS-related Lymphoma by Next-generation Sequencing”

9:10 am  Xin-Yun Huang  “Developing Fascin Inhibitors to Block Tumor Metastasis”

9:30 am  Martin J. Hicks  “AAVrh.10-Mediated Neuron Expression of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Treatment of Glioblastoma”

9:50 – 10:35 am  **Second Poster Session (With Coffee Break)**  (Grace Lobby & Patio)

10:35 – 11:55 am  **Plenary Session: Cancer Biology IV**  (Grace Auditorium)
Chairs: Tom Kelly and Bruce Stillman

10:35 am  Michael Glickman  “An Integrated Host and Pathogen Genetic Strategy to Elucidate the Mechanism of Action of BCG in Therapy of Bladder Cancer”

10:55 am  Andrea Ventura  “A Multidisciplinary Approach to the Study of an Oncogenic microRNA Cluster”

11:15 am  Olivier Elemento  “Integrative Computational Analysis to Drive Discovery of microRNA-mediated Regulatory Networks in Cancer”

11:35 am  Malcolm Moore  “Novel Approaches to Target High Grade Ovarian Cancers”

11:55 am  **Closing Remarks**
Executive Committee

12:00 pm  **Attendee Departure - Lunch Available**
# 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, September 23rd; 3:20 – 4:10 pm  
Session 2: Tuesday, September 24th; 9:50 – 10:35 am

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<td>Todd Evans</td>
<td>“Discovery of AID-dependent Epigenetic Mechanisms in Hematological Malignancies”</td>
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<tr>
<td>Viviane Tabar</td>
<td>“Elucidating Mechanisms of Histone H3.3 Mutants-Mediated Oncogenesis in Pediatric Brain Cancers”</td>
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<tr>
<td>Gary Schwartz</td>
<td>“Therapeutic Targeting of \textit{IDH1} and \textit{IDH2} Mutations in Acute Myeloid Leukemia (AML) and Chondrosarcoma”</td>
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<tr>
<td>Corynn Kasap</td>
<td>“Comprehensive Elucidation of the Mechanisms of Action of Anticancer Molecules”</td>
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<td>Minkui Luo</td>
<td>“Define Oncogenic Mechanisms of Protein Methyltransferase SETDB1 and SUV39H1 in Melanoma”</td>
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<td>Benedikt Bosbach</td>
<td>“Mechanism of Tumor Progression in Mouse and Human Familial GIST”</td>
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<td>Aaron Arvey</td>
<td>“Pathogen Discovery in AIDS-Related Lymphoma by Next-Generation Sequencing”</td>
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<td>James Root</td>
<td>“Translational Studies of Neural Mechanisms of Chemotherapy-induced Cognitive Changes”</td>
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<td>Chenyi Yang &amp; Pengbo Zhou</td>
<td>“Small Molecule Inhibitors of the Ubiquitin Pathway in Antagonizing Skin Carcinogenesis”</td>
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<td>Douglas Wheeler</td>
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<td>Chong Luo</td>
<td>“Role of Foxo1 in T Cell Fate Specification: Decision between Regulatory T and T Helper 1 Cells”</td>
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<tr>
<td>Esther Drill</td>
<td>“An Integrative Paradigm for the Discovery of Novel Tumor Subtypes and Associated Cancer Genes”</td>
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<td>Steve Larson</td>
<td>“ZIRCONIUM-89 (ZR-89) J591 based Positron Emission Tomography (ImmunoPET) as a Basis for Improving Diagnostic Imaging of Prostate Cancer”</td>
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<td>Xiangao Huang</td>
<td>“Sensitizing shRNA screen for Molecular Targets in CDK4/CDK6-based Cancer Therapy”</td>
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<td>Zsofia Stadler</td>
<td>“Genomic Structural Variation in Cancer Susceptibility”</td>
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<td>Irtisha Singh</td>
<td>“Ubiquitously Transcribed Genes Use Alternative Polyadenylation to Reinforce Tissue-Specific and Oncogenic Expression Programs”</td>
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<td>Hatice Osmanbeyoglu</td>
<td>“Linking Signaling Pathways to Transcriptional Response in Breast Cancer”</td>
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<td>Ginevra Botta</td>
<td>“Characterizing Mechanisms of Resistance to Androgen Deprivation In Prostate Cancer”</td>
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<td>Agata Smogorzewska</td>
<td>“RAD51 Mutation in a Patient with Fanconi Anemia-Like Phenotype”</td>
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<td>Sara Meyer</td>
<td>“Persistence to Novel ATP-Competitive JAK2 Inhibitors is Overcome by Allosteric JAK2 Inhibition or Interference with HSP90”</td>
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<td>Logan Walsh</td>
<td>“Unraveling the Breast Cancer Metastasis Epigenome”</td>
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<td>Jamie McBean</td>
<td>“Elucidation of the Substrate Profile for Protein Lysine Methyltransferase SET7/9”</td>
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<td>“Genomic Changes Occurring During Carcinogenesis: A Fly Perspective”</td>
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<td>Mo Chen</td>
<td>“AML1-ETO Activates Transcription Through Recruitment of Demethylase Jmjd1C in Acute Myeloid Leukemic Cells”</td>
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