Monday, September 20, 2010

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

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

11:20 am – 12:30 pm  **Plenary Session: DNA Damage**  
(Grace Auditorium)  
Chairs: Bruce Stillman and Tom Kelly

11:20 am  Titia de Lange  
“*A Comprehensive Approach to Deciphering ALT in Human Cancers*”

11:40 am  Michel Nussenzweig  
“*Genomic Damage by Activation Induced Deaminase*”

12:00 pm  Dinshaw Patel  
“*Histone Phosphorylation: An Epigenetic ‘Signature’ Impacting on Human DNA Damage Response, Genomic Integrity and Oncogenesis*”

12:20 pm  Jill Mesirov  
Introduction to the Integrative Cancer Genomics Portal (ICGP)

12:30 – 1:30 pm  **Lunch**  
(Blackford Hall)

1:30 – 2:00 pm  **Executive Committee Discussion**  
(Grace Auditorium)

2:00 – 2:40 pm  **Plenary Session: Cancer Genome**  
(Grace Auditorium)  
Chairs: Bruce Stillman and Tom Kelly

2:00 pm  David McFadden & Katerina Politi  
“*Studying Tumor Progression and Treatment Resistance in Mouse Models of Lung Adenocarcinoma Through Focused Gene Re-Sequencing*”

2:20 pm  Levi Garraway  
“*High-throughput Cancer Gene Mutation Profiling by Single-Molecule Sequencing*”

2:40 – 3:40 pm  **First Poster Session and demonstration of ICGP**  
(Grace Lobby & Patio)  
(*With Coffee Break*)

3:40 – 5:00 pm  **Plenary Session: Cancer Genome (continued)**  
(Grace Auditorium)  
Chairs: Bruce Stillman and Tom Kelly

3:40 pm  Ronglai Shen  
“*An Integrative Paradigm for the Discovery of Novel Tumor Subtypes and Associated Cancer Genes*”
4:00 pm  
Robert Lucito  
“Integrated Genetic Analysis of Epithelial Ovarian Cancer”

4:20 pm  
Benjamin Ebert  
“Molecular Dissection of Myelodysplastic Syndrome and Myeloproliferative Disease”

5:00 – 6:00 pm  
*Wine and Cheese Reception*  
*(Posters and ICGP demonstration available)*  
(Grace Lobby & Patio)

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

7:00 – 8:00 pm  
*Plenary Session: Cancer Genome (continued)*  
Chairs: Todd Golub and Scott Lowe

7:00 pm  
Richard McCombie  
“Target Enrichment and Single Molecule Sequencing for Genomic Analysis of Human Tumors”

7:20 pm  
Lloyd Trotman  
“Identification of PHLPP as a Tumor Suppressor Reveals the Role of P53 as a Gatekeeper of Lethal Prostate Cancer Progression”

7:40 pm  
Matthew Meyerson  
“Pathogen Discovery in AIDS-related Lymphoma by Next-generation Sequencing”

8:00 – 8:40 pm  
*Second Poster Session (With Coffee Break)*  
(Grace Lobby & Patio)

8:40 – 10:00 pm  
*Plenary Session: Epigenetics and Gene Expression*  
Chairs: Todd Golub and Scott Lowe

8:40 pm  
Sonja Stadler  

9:00 pm  
Ross Levine  
“Large-Scale Studies of the Epigenetics of Human Leukemia”

9:20 pm  
Alexander Tarakhovsky  
“Control of Prostate Cancer Progression by Ezh2-mediated Cytosolic Protein Lysine Methylation”

9:40 pm  
Ming Li  
“Genome Wide Mapping of FoxO1 Binding-sites *in vivo* and Functional Study of FoxO1 Target Genes in Mouse T Lymphocytes”

10:00 pm  
*End of Day 1*
Tuesday, September 21, 2010

8:30 – 9:50 am  
**Plenary Session: Biomarkers and Risk Assessment**  
(Grace Auditorium)  
Chairs: Paul Nurse and Tony Gotto

8:30 am  
Zsofia Stadler  
“Genomic Structural Variation in Cancer Susceptibility”

8:50 am  
Francesca Demichelis  
“Determining Germline Risk Factors for Lethal Prostate Cancer: the Role of Copy Number Variations in Prostate Progression”

9:10 am  
Howard Scher  
“Genomic Analysis of Circulating Tumor Cells to Evaluate Predictive Biomarkers”

9:30 am  
Steven Larson  
“ZIRCONIUM-89 (ZR-89) J591 based Positron Emission Tomography (ImmunoPET) as a Basis for Improving Diagnostic Imaging of Prostate Cancer”

9:50 – 10:35 am  
**Third Poster Session and demonstration of ICGP**  
(With Coffee Break)

(Grace Lobby & Patio)

10:35 – 11:55 am  
**Plenary Session: Functional Genomics**  
(Grace Auditorium)  
Chairs: Paul Nurse and Tony Gotto

10:35 am  
William Hahn  
“Comparative Oncogenomics to Discover Oncogene Synthetic Lethality”

10:55 am  
Selina Chen-Kiang  
“Sensitizing shRNA screen for Molecular Targets in CDK4/CDK6-based Cancer”

11:15 am  
Brian Grabiner  
“Identification and Clinical Assessment of Genes that Regulate the Response of Cancers to Rapamycin”

11:35 am  
Klass Max  
“Structural and Functional Definition of Posttranscriptional Regulatory Networks of Tumor-associated RNA-binding Proteins”

12:00 – 1:00 pm  
**Lunch**  
(Blackford Hall)

1:00 – 2:00 pm  
**Plenary Session: MicroRNAs and Translation**  
(Grace Auditorium)  
Chairs: Titia de Lange and David Hajjar

1:00 pm  
Sohail Tavazoie  
“Identification of microRNAs that Predict Likelihood of Metastatic Relapse and Sensitivity to Chemotherapy in Human Colorectal Cancer”

1:20 pm  
Eric Lai  
“Elucidation of microRNA Control of Cell Signaling and Apoptosis Pathways”
1:40 pm  Michael Yaffe  “Mis-regulation of Protein Translation in the Pathogenesis and Treatment of Cancer”

2:00 – 2:25 pm  

2:25 – 3:25 pm  

**Plenary Session: Experimental Therapeutics**  (Grace Auditorium)  
Chairs: Titia de Lange and David Hajjar

2:25 pm  Pengbo Zhou  “Small Molecule Inhibitors of the Ubiquitin Pathway in Antagonizing Skin Carcinogenesis”

2:45 pm  Hermann Steller  “Targeting Inhibitor of Apoptosis Proteins for Cancer Therapy”

3:05 pm  Howard Hang  “Progress Toward Cell-Specific Pharmacology in Tumor Microenvironments”

3:25 pm  

**Closing Remarks**  
Executive Committee

**Attendee Departure**