

Starr Cancer Consortium Retreat

Cold Spring Harbor Laboratory, September 21-22, 2009

Monday, September 21, 2009

- 9:00-11:00 am Attendee Arrival and Registration
- 11:00 am ***Welcome and Opening Remarks***
- Bruce Stillman
President, Cold Spring Harbor Laboratory
- 11:15 am – 12:40 pm ***Plenary Session: Epigenomics & RNA***
Chairs: Todd Golub and Bruce Stillman
- 11:15 am Bradley Bernstein – “Large-Scale Studies of the Epigenetics of Human Leukemia”
- 11:30 am David Allis – “Cancer Epigenetics: Understanding the "Writers", "Readers" and Functional Readout of Histone Lysine and Arginine Methylation Marks in Human Cancer”
- 11:45 am Dinshaw Patel – “Histone Phosphorylation: An epigenetic "Signature" Impacting on Human DNA Damage Response, Genomic Integrity and Oncogenesis”
- 12:00 pm Adrian Krainer – “Role of Alternative Splicing in Regulating Cancer-Cell Metabolism”
- 12:20 pm Thomas Tuschl – “Mechanisms of miRNA Biogenesis and mRNA Targeting and Molecular Interventions to Modulate miRNA Pathways in Normal and Disease States”
- 12:40-1:35 pm ***Lunch***
- 1:35– 4:30 pm ***Plenary Session: Immunology / Technology / Stem Cells / Neurocognitive Research***
Chairs: Tony Gotto and Tom Kelly
- 1:35 pm Jaffrey Ravetch – “Dendritic Cell Targeting: A Novel Approach to Tumor Vaccination”
- 1:55 pm Ethel Ceserman – “Tumor Development and Treatment of EBV-associated Lymphomas in Immune Competent Humanized Mice”
- 2:15 pm Scott Powers – “Testing and Validating High Throughput Analysis of FFPE Samples: Transforming the Scope of Investigations into the Genomic Basis of Cancer”

- 2:35 pm Samie Jaffrey – “Design and Application of Biocompatible Dendrimers for Cancer Therapy”
- 2:55 pm ***Break***
- 3:15 pm Tim Ahles – “Translational Studies of Neural Mechanisms of Chemotherapy-induced Cognitive Changes”
- 3:35 pm Stuart Schreiber – “Targeting the Cancer Stem Cell Niche for Novel Cancer Therapeutics”
- 3:55 pm Ronald Crystal – “Epithelial Stem Cells in Lung Cancer and COPD”
- 4:15 pm Jill Mesirov – “An Integrative Cancer Genomics Portal”
(plus interactive demonstration during poster session)
- 4:30 – 6:00 pm ***Poster Session with Wine and Cheese Reception***
- 6:00 – 7:00 pm ***Banquet Dinner***
- 7:30 – 9:50 pm ***Plenary Session: New Targets***
Chairs: Paul Nurse and Harold Varmus
- 7:30 pm ***Discussion***
- 7:45 pm Todd Golub – “Discovering Small Molecule Inhibitors of MYC and RAS”
- 8:05 pm William Hahn – “Comparative Oncogenomics to Discover Oncogene Synthetic Lethality”
- 8:25 pm Michael Yaffe – “Mis-regulation of Protein Translation in the Pathogenesis and Treatment of Cancer”
- 8:40 pm Pengbo Zhou – “Small Molecule Inhibitors of the Ubiquitin Pathway in Antagonizing Skin Carcinogenesis”
- 8:55 pm Hermann Steller – “Targeting Inhibitor of Apoptosis Proteins for Cancer Therapy”
- 9:10 pm Peter Besmer – “Mechanism of Tumor Progression in Mouse and Human Familial GIST”
- 9:30 pm Mary E. Hatten – “Identification of Subclasses of Cerebellar Granule Neuron Progenitor Cells, and their Potential to form Pediatric Brain Tumors”

Tuesday, September 22, 2009

9:00 am – 12:30 pm **Plenary Session: Genomics**

Chairs: Eric Lander and Titia de Lange

9:00 am David Sabatini – “Identification and Clinical Assessment of Genes that Regulate the Response of Cancers to Rapamycin”

9:15 am Mark Rubin – “Determining Germline Risk Factors for Lethal Prostate Cancer: The Role of Copy Number Variations in Prostate Cancer Progression”

9:30 am Kenneth Offit – “Breast Cancer Protective Alleles by Whole Genome Association and Copy Number Analysis”

9:50 am Titia de Lange – “A Comprehensive Approach to Deciphering ALT in Human Cancers”

10:05 am Gregory Hannon – “Studying Tumor Progression and Treatment Resistance Using Focused Re-Sequencing of High-Value Gene Sets in Mouse Models of Human Lung Adenocarcinoma”

10:20 am **Break**

10:40 am Levi Garraway – “High-Throughput Cancer Gene Mutation Profiling by Single-Molecule Sequencing”

10:55 am W. Richard McCombie – “Target Enrichment and Single Molecule Sequencing for Genomic Analysis of Human Tumors”

11:10 am Gary Gilliland – “Molecular Dissection of Myelodysplastic Syndrome and Myeloproliferative Disease”

11:25 am Samuel Singer – “The Sarcoma Genome Project Phase II: A Comprehensive Molecular Characterization of Soft Tissue Sarcoma to Identify Subtype Specific Therapies”

11:45 am Neal Rosen – “Application of Genomics to Developmental Therapeutics of Melanoma”

12:05 pm **Closing Remarks**

12:30-1:30 pm Lunch and Attendee Departure