

5th Principal Investigators Meeting Agenda

5th Principal Investigators Meeting
Innovative Molecular Analysis Technologies Program
June 28 -30, 2004
Catamaran Resort Hotel
San Diego, California

Agenda

MONDAY, JUNE 28, 2004

7:30 a.m. - 8:45 a.m. Registration and Breakfast

8:45 a.m. - 9:00 a.m. **Welcome**
Ed Monachino, NCI

9:00 a.m. - 9:30 a.m. **NCI Technology Initiatives** Greg Downing, D.O., Ph.D.,
NCI

Session 1—Generating the Knowledge Base for Cancer Research

9:30 a.m. - 10:00 a.m. **End of Sequence Profiling (ESP): The Structural Analysis of Tumor Genomes** Colin Colins, Ph.D., University of California - San Francisco

10:00 a.m. - 10:30 a.m. **Protein Knockout, A Novel Reverse Genetic Tool for Dissecting the Function of Oncoproteins During Normal Development and in Antagonizing Tumorigenicity**
Pengbo Zhou, Ph.D., Weill Medical College of Cornell University

10:30 a.m. - 11:00 a.m. **BREAK**

11:00 a.m. - 11:30 a.m. **Identification of Frequent Chromosomal Aberrations in Hepatocellular Carcinoma from Gene Expression Microarray Data** Kyle Furge, Ph.D., Van Andel Research Institute

11:30 a.m. - 12:00 p.m. **Functional-Based Identification of New Target Genes for Cancer** Brian Davis, Ph.D., Ordway Research Institute

12:00 p.m. - 1:00 p.m. **LUNCH**

Managing Intellectual Property in Academia and through Commercial Ventures

1:00 p.m. - 1:30 p.m. **From Idea to Clinic: Aligning the Stakeholders to Generate Clinical Tests from Research Ideas** Kathy Danenberg, Ph.D, Response Genetics, Inc., and UCLA

1:30 p.m. - 2:00 p.m. **Institutional Concerns about Technology Transfer and Intellectual Property** Kathy Ku, M.S.C.E., Stanford

	University
2:00 p.m. - 2:30 p.m.	NIH-Sponsored Research and Technology Transfer Karen Maurey, M.S., NCI-TTO
2:30 p.m. - 3:00 p.m.	Bridging the Funding Gap Paul Radspinner, M.B.A., Wisconsin Alumni Research Foundation
3:00 p.m. - 3:30 p.m.	BREAK
3:30 p.m. - 4:00 p.m.	New Concepts on FDA Guidance for Genetic and Genomic Technologies Elizabeth Mansfield, Ph.D., FDA
4:30 p.m. - 5:00 p.m.	NCI IP Policy Change Greg Downing, D.O., Ph.D., NCI
5:00 p.m. - 6:00 p.m.	Panel Discussion: Dannenberg, Ku, Maurey, Radspinner, Mansfield, Downing
6:00 p.m. - 9:00 p.m.	Poster Session

TUESDAY, JUNE 29, 2004

7:30 a.m. - 8:30 a.m.	Registration & Breakfast
8:30 a.m. - 9:30 a.m.	Keynote: Modeling Tumors as Complex Biosystems Tom Deisboeck, Ph.D., Harvard University
Session 2—Creating Tools for Discovery	
9:30 a.m. - 10:00 a.m.	Development of a Self Assembling Protein Array Niroshan Ramachandran, Ph.D., Harvard Medical School
10:00 a.m. - 10:30 a.m.	Optomechanical Chips for Molecular Profiling of Cancer Arun Majumdar, Ph.D., University of California - Berkeley
10:30 a.m. - 11:00 a.m.	BREAK
11:00 a.m. - 11:30 a.m.	PAP: A Platform Technology Steve Sommer, M.D., Ph.D., City of Hope National Medical Center/Beckman Research Institute
11:30 a.m. - 12:00 p.m.	Rapid and Sensitive Genetic Mutation Detection by Tandem SSCP/Heteroduplex Analysis in a Microchip Electrophoresis System Annelise Barron, Ph.D., Northwestern University
12:00 p.m. - 1:00 p.m.	LUNCH
Session 3 - Moving New Tools into the Lab & Clinic	
1:00 p.m. - 1:30 p.m.	Recovery of DNA, RNA, and Protein from Archival Formalin-Fixed, Paraffin-Embedded Tissue Sections

	Based on the Antigen Retrieval Principle Clive Taylor, M.D., Ph.D., University of Southern California
1:30 p.m. - 2:00 p.m.	Use of Oligonucleotide-Based Microarray to Interrogate Promoter Hypermethylation Tim Huang, Ph.D., The Ohio State University Comprehensive Cancer Center
2:00 p.m. - 2:30 p.m.	Profiling Ras-Activated Signal Transduction Pathways Nancy Allbritton, M.D., Ph.D., University of California - Irvine
2:30 p.m. - 3:00 p.m.	Gel Protein Extraction Platform for Ultrasensitive Gel Protein Identification Cheng Lee, Ph.D., Calibrant Biosystems
3:00 p.m. - 3:30 p.m.	BREAK
3:30 p.m. - 4:00 p.m.	IMAT RFAs Greg Downing, D.O., Ph.D., NCI
4:00 p.m. - 4:15 p.m.	SBIR Update Jennifer Couch, Ph.D., NCI
4:15 p.m. - 5:00 p.m.	Beyond IMAT: Other NIH and NCI Funding Opportunities Jennifer Couch, Ph.D.; NCI, Tracy Lugo, Ph.D., NCI
5:00 p.m. - 9:00 p.m.	Poster Session

WEDNESDAY, JUNE 30, 2004

7:30 a.m. - 8:30 a.m.	Registration & Breakfast
8:30 a.m. - 9:30 a.m.	Keynote: Challenges and Opportunities in Translational Cancer Research Cheryl Willman, M.D., University of New Mexico
Session 4 - Human Cancer Care	
9:30 a.m. - 10:00 a.m.	Gene-specific DNA Methylation for Cancer Diagnosis: A Study of 53 Promoters in 10 Breast Cancer Patients Victor Levenson, M.D., Ph.D. Robert H. Lurie Comprehensive Cancer Center
10:00 a.m. - 10:30 a.m.	Proteomics of Hepatic Neoplasia in a Synchronous Rat Model Ruth Hogue Angeletti, Ph.D., Albert Einstein College of Medicine
10:30 a.m. - 11:00 a.m.	BREAK
11:00 a.m. - 11:30 a.m.	Bcr-Abl Kinase Assays for Gleevec Resistance in Chronic Myeloid Leukemia Steve Kron, M.D., Ph.D., University of Chicago
11:30 a.m. - 12:00 p.m.	Panel Discussion: Speakers from Session 1 and 2

12:00 p.m.

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