2nd Principal Investigators Meeting Agenda

2nd Principal Investigators Meeting Innovative Molecular Analysis Technologies Programs June 27-29, 2001 Ritz-Carlton Washington, DC

Agenda

WEDNESDAY, JUNE 27, 2001

6:30 a.m 8:30 a.m.	Registration
7:30 a.m 8:30 a.m.	Breakfast
8:30 a.m 8:50 a.m.	Welcoming Remarks
	Dr. Carol Dahl, Director, Office of Technology and Industrial Relations (OTIR), NCI
8:50 a.m 9:00 a.m.	Session 1: Highlights in DNA Analysis
	Session Chair: Dr. Graham Brock, University of Glasgow
9:00 a.m 9:25 a.m.	Identification of m5CpG Alterations Associated with Breast Carcinomas
	Dr. Graham Brock, University of Glasgow
9:25 a.m 9:50 a.m.	DNA Damage Quantitation by Single Molecule Laser Sizing
	Dr. John Sutherland, Brookhaven National Laboratory
9:50 a.m 10:15 a.m.	Detecting Gene Copy Number Fluctuations with Microarrays of Genomic
	Dr. Michael Wigler, Cold Spring Harbor Laboratory
10:15 a.m 10:40 a.m.	Break
10:40 a.m 11:05 a.m.	Four Color Array-bound SNP/Mutation Detection in Cancer
	Dr. Paolo Fortina, The Children's Hospital of Philadelphia
11:05 a.m 11:30 a.m.	Digital Optical Chemistry; A Novel System for the Rapid Fabrication of Custom Oligonucleotide Arrays
	Dr. Harold Garner, University of Texas Southwestern

11:30 a.m 12:00 noon	The Early Detection Research Network Dr. Sudhir Srivastava, Chief, Cancer Biomarkers Research Group, NCI
12:05 p.m 1:00 p.m.	Lunch
1:00 p.m 1:10 p.m.	Session 2: Emerging Technologies for RNA Analysis
	Session Chair: Dr. Peter Tolias, Center for Applied Genomics, Public Health Research Institute
1:10 p.m 1:35 p.m.	Cancer Classification Based on mRNA Isoforms
	Dr. Xiang-Dong Fu, University of California at San Diego
1:35 p.m 2:00 p.m.	PNA Interference Mapping: A New Technique for RNA Structural Analysis
	Dr. William Strauss, Harvard Institute of Human Genomics
2:00 p.m 2:25 p.m.	Strategies for Functional Cloning, Sorting and Expression Profiling of Genes That May Be Relevant to Cancer
	Dr. Peter Tolias, Center for Applied Genomics, Public Health Research Institute
2:25 p.m 2:50 p.m.	Spectral Imaging for Phenotyping Analysis of Cancer Cells
	Dr. Heinz-Ulrich Weier, E.O. Lawrence Berkeley National Laboratory
2:50 p.m 3:10 p.m.	Break
3:10 p.m 3:35 p.m.	Statistical Design and Analysis for Gene Expression Microarrays
	Dr. Gary Churchill, The Jackson Laboratory
3:35 p.m 4:00 p.m.	Web Presentations:
4:00 p.m 5:30 p.m.	NCI Resources
	Ms. Susan Waldrop, Director, Office of Scientific Opportunities, NCI
4:00 p.m 4:45 p.m.	Tissue Resources
	Dr. Roger Aamodt, Chief, Resources Development Branch, NCI
4:45 p.m 5:30 p.m.	Technology and Industrial Relations Dr. Carol Dahl, Director, OTIR, NCI

POSTER SESSION AND RECEPTION

THURSDAY JUNE 28 2001

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6:30 a.m 8:00 a.m.	Registration	
7:00 a.m 8:00 a.m.	Breakfast	
8:00 a.m 8:10 a.m.	Session 3: Advances in Protein Expression Analysis Session Chair: Dr. John Yates, The Scripps Research Institute	
8:10 a.m 8:35 a.m.	Protein Detection using Aptamer Beacons Dr. Martin Stanton, Brandeis University	
8:35 a.m 9:00 a.m.	Development of Quantum Dot Based Probes for Multiplexed Breast Cancer Analysis Dr. Marcel Bruchez, Quantum Dot Corporation	
9:00 a.m 9:25 a.m.	Integrated Isolation & Molecular Analysis of Tumor Cells Dr. Peter Gascoyne, UT M.D. Anderson Medical Center	
9:25 a.m 9:50 a.m.	The Single Cell Proteome Project: Cancer Prognosis Dr. Norman Dovichi, University of Washington	
9:50 a.m 10:10 a.m.	Break	
10:10 a.m 10:35 a.m.	Profiling Proteome using Multi-Dimensional Separations for Protein and Peptide Analysis	
	Dr. John Yates, The Scripps Research Institute	
10:35 a.m 11:00 a.m.	Reliable Protein Identification from Stained or Unstained 2D Gels using High Throughput MALDI TOF/TOF MS	
	Dr. Maria Pallavicini, University of California at San Francisco	
11:00 a.m 12:30 p.m.	Special Session: Phased Innovation Awards: Review and Transitions	
	Ms. Kay Etzler, NCI Small Business Programs Coordinator, OTIR, NCI	
	Dr. Dan Gallahan, Chief, Structural Biology and Molecular Applications Branch, NCI	
	Dr. Sherwood Githens, Scientific Review Administrator, Division of	

Extramural /	Activities.	NCI
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12:30 p.m 1:30 p.m.	Lunch
1:30 p.m 1:40 p.m.	Session 4: New Strategies for Protein Structure and Function Analysis
	Session Chair: Dr. Brian Chait, Rockefeller University
1:40 p.m 2:05 p.m.	Comprehensive Map of Cellular Protein Interactions Dr. Brian Chait, Rockefeller University
2:05 p.m 2:30 p.m.	Novel Proteomics Methodologies for Examining Protein- Protein Interactions in Cancer Biology
	Dr. Mark Chance, Albert Einstein College of Medicine
2:30 p.m 2:55 p.m.	Integrated Optical/Magnetic Resonance Microscopy for Cellular Research
	Dr. Robert Wind, Pacific Northwest National Laboratory
2:55 p.m 3:15 p.m.	Break
3:15 p.m 3:40 p.m.	Visible Animal Models of Neoplastic Disease
	Dr. Christopher Contag, Stanford University
3:40 p.m 4:05 p.m.	In vivo Imaging of Matrix Metalloprotease
	Dr. Ching Tung, Massachusetts General Hospital
4:05 p.m 4:30 p.m.	Androgen Receptor Bio-Chips: Yeast Based Micro-Bioassays for Serum Androgens
	Dr. Tanya Kanigan, BioTrove
4:30 p.m 6:00 p.m.	Web Presentations:
4:30 p.m 5:15 p.m.	Cancer Genomics: Molecular Signatures to Targets
	Dr. Bob Strausberg, Director, Cancer Genomics Office, NCI
5:15 p.m 10:00 p.m.	POSTER SESSION AND RECEPTION

FRIDAY, JUNE 29, 2001

7:00 a.m. - 8:00 a.m. **Breakfast**

8:00 a.m 9:00 a.m.	Plenary Lecture: Technology Transfer: Defining and Capturing Intellectual Property
	Dr. Kathleen Sybert, Chief, Technology Transfer Branch, NCI
9:00 a.m 9:10 a.m.	Session 5: Molecular Analysis in Cancer Research
	Session Chair: Dr. Donna Albertson, University of California at San Francisco
9:10 a.m 9:35 p.m.	Genome-Wide Measurement of DNA Copy Number on BAC Microarrays
	Dr. Donna Albertson, University of California at San Francisco
9:35 a.m 9:50 a.m.	Molecular Analysis of a Large Series of B-Cell non-Hodgkin's Lymphoma
	Dr. Wing Chan, University of Nebraska Medical Center
9:50 a.m 10:20 a.m.	Break
10:20 a.m 10:45 a.m.	Identification of Ovarian Cancer Biomarkers by Protein Chip Array and SELDI/Mass Spectroscopy
	Dr. Samuel Mok, Brigham and Women's Hospital
10:45 a.m 11:10 a.m.	The National Ovarian Early Detection Program: Combining Science and Technology to Improve Patient Care
	Dr. David Fishman, Northwestern University
12:10 p.m.	Closing Remarks Dr. Carol Dahl, Director, OTIR, NCI