

6th Principal Investigators Meeting Agenda

6th Principal Investigators Meeting
Innovative Molecular Analysis Technologies Program
September 7-9, 2005
Ritz-Carlton
Washington, DC

Agenda

WEDNESDAY, SEPTEMBER 7, 2005

8:00 a.m. - 8:30 a.m. Registration and Continental Breakfast
8:30 a.m. - 8:45 a.m. **NCI Technology Development Initiatives**
Anna D. Barker
Deputy Director for Advanced Technologies and Strategic Partnerships, NCI

Session 1 — IMAT Alumni and Achievements

MODERATOR Gregory J. Downing, Office of Technology and Industrial Relations, NCI

8:45 a.m. - 9:45 a.m. **KEYNOTE** **Vascular Zip Codes in Tumor Targeting** Errki Ruoslahti, The Burnham Institute
9:45 a.m. – 10:15 a.m. **Functional Proteomics using FALI to Identify Proteins in Cancer Invasion** Daniel Jay, Tufts University
10:15 a.m. - 10:45 a.m. **BREAK**
10:45 a.m. - 11:15 a.m. **MELT: A Novel Method for RNA Preservation and Isolation from Solid Tissue** Gary Latham, Ambion, Inc.
11:15 a.m. - 11:40 p.m. **IMAT: Past, Present, and Future** Gregory J. Downing, Director
Office of Technology and Industrial Relations, NCI
11:40 a.m. – 12:15 a.m. Questions and Panel Discussion
Session Speakers and IMAT Program Directors
12:15 p.m. - 1:30 p.m. **LUNCH**

Session 2 — Epidemiology and Molecular Analysis Technologies MODERATOR Andrew Freedman, Division of Cancer Control & Population Sciences, NCI

1:30 p.m. - 2:30 p.m. **KEYNOTE** **From Bench to Populations: Epidemiology and the Development of New Molecular Technologies** Jane C. Schroeder, University of North Carolina, Chapel Hill
2:30 p.m. - 3:00 p.m. **Longitudinal Cancer-specific Serum Protein Signatures**
Brian Haab, Van Andel Institute

3:00 p.m. - 3:30 p.m.	BREAK
3:30 p.m. - 4:00 p.m.	Mapping the Proteome of the Human Bone Marrow Stromal Cells using Non-gel Based Technology Beerelli Seshi, University of California at Los Angeles
4:00 p.m. - 4:30 p.m.	Typing the Transcriptome of Prostate Cancer by Splicing Array Xiang-Dong Fu, University of California, San Diego
4:30 p.m. - 5:15 p.m.	Questions and Panel Discussion
5:15 p.m. - 7:30 p.m.	Dinner and Poster Session

THURSDAY, SEPTEMBER 8, 2005

Session3— Sample Preparation

MODERATOR Rebecca Huppi, Division of Cancer Treatment & Diagnosis, NCI

9:00 a.m. - 9:30 a.m.	Human Biospecimens: A Critical Resource for Translational Research and Molecular Medicine Update on the Development of the National Biospecimen Network Carolyn Compton Program Director, Biorepositories and Biospecimens Research, NCI
	KEYNOTE
9:30 a.m. - 10:00 a.m.	Tissue Print Micropeels for Molecular Profiling of Cancer Sandra Gaston, Beth Israel Deaconess Medical Center and Harvard Medical School
10:00 a.m. - 10:30 a.m.	Proteomic Profiling of Fixed Tissue Archives by Mass Spectrometry David Krizman, Expression Pathology, Inc.
10:30 a.m. - 11:00 a.m.	BREAK
11:00 a.m. - 11:30 p.m.	Genome Amplification Tolerant to Sample Degradation G. Mike Makrigiorgios, Dana Farber Cancer Institute
11:30 a.m. - 12:00 p.m.	Questions and Panel Discussion
12:00 p.m. - 1:00 p.m.	LUNCH

Session 4 - Cross-Sector Opportunities in Technology Development

MODERATOR Sherwood Githens, Division of Extramural Activities, NCI

1:00 p.m. - 1:30 p.m.	A Government Perspective Wendy R. Sanhai, Ph.D., Senior Scientific Advisor Office of the Commissioner, FDA
1:30 p.m. - 2:00 p.m.	A Venture Perspective Linda Powers, Managing Director, Toucan Capital Corporation

2:00 p.m. - 2:30 p.m.	An Industry Perspective Andrew Berlin, General Manager, Biomedical and Life Sciences, Intel Corporation
2:30 p.m. - 3:00 p.m.	BREAK
3:00 p.m. - 3:30 p.m.	The Role of the University in Advancing Innovation Lesa Mitchell, Vice President for Advancing Innovation, Kauffman Foundation
3:30 p.m. - 4:00 p.m.	NASA's Innovative Partnerships Program: Developing Technologies for the Moon, Mars, and Earth-based Applications Michael Weingarten Office of Technology & Industrial Relations, NCI (formerly Director of NASA's Partnership Development Team)
4:00 p.m. - 5:00 p.m.	Questions and Panel Discussion
5:00 p.m. - 7:00 p.m.	Poster Session

FRIDAY, SEPTMEBER 9, 2005

Session 5 - Technology's Impact on Cancer Biology: The Big Picture

MODERATOR Jennifer Couch, Division of Cancer Biology

9:00 a.m. - 9:30 a.m.	caBIG Technology Workspace Ken Buetow, NCI Center for Bioinformatics
	KEYNOTE
9:30 a.m. - 10:00 a.m.	Flow-Through Lab-on-a-Chip Biosensors for the Collection of Rare Circulating Tumor Cells and the Analysis of Their Intracellular Contents Steve Soper, Louisiana State University
10:00 a.m. - 10:30 a.m.	Mapping Reulator Pathways in Cancers Roland Green, NimbleGen Systems, Inc., Madison, WI
10:30 a.m. - 11:00 a.m.	BREAK
11:00 a.m. - 11:30 p.m.	Harnessing the Human Proteome Joshua LaBaer, Harvard Medical School
11:30 a.m. – 12:30 p.m.	Questions and Panel Discussion
12:30 p.m.	ADJOURN