

# 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 Analysisd 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.	<b>BREAK</b>
3:30 p.m. - 4:00 p.m.	<b>Mapping the Proteome of the Human Bone Marrow Stromal Cells using Non-gel Based Technology</b> Beerelli Seshi, University of California at Los Angeles
4:00 p.m. - 4:30 p.m.	<b>Typing the Transcriptome of Prostate Cancer by Splicing Array</b> 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.	<b>Human Biospecimens: A Critical Resource for Translational Research and Molecular Medicine Update on the Development of the National Biospecimen Network</b> Carolyn Compton Program Director, Biorepositories and Biospecimens Research, NCI
	<b>KEYNOTE</b>
9:30 a.m. - 10:00 a.m.	<b>Tissue Print Micropeels for Molecular Profiling of Cancer</b> Sandra Gaston, Beth Israel Deaconess Medical Center and Harvard Medical School
10:00 a.m. - 10:30 a.m.	<b>Proteomic Profiling of Fixed Tissue Archives by Mass Spectrometry</b> David Krizman, Expression Pathology, Inc.
10:30 a.m. - 11:00 a.m.	<b>BREAK</b>
11:00 a.m. - 11:30 p.m.	<b>Genome Amplification Tolerant to Sample Degradation</b> 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.	<b>LUNCH</b>

### Session 4 - Cross-Sector Opportunities in Technology Development

**MODERATOR** Sherwood Githens, Division of Extramural Activities, NCI

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

2:00 p.m. - 2:30 p.m.	<b>An Industry Perspective</b> Andrew Berlin, General Manager, Biomedical and Life Sciences, Intel Corporation
2:30 p.m. - 3:00 p.m.	<b>BREAK</b>
3:00 p.m. - 3:30 p.m.	<b>The Role of the University in Advancing Innovation</b> Lesa Mitchell, Vice President for Advancing Innovation, Kauffman Foundation
3:30 p.m. - 4:00 p.m.	<b>NASA's Innovative Partnerships Program: Developing Technologies for the Moon, Mars, and Earth-based Applications</b> 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.	<b>caBIG Technology Workspace</b> Ken Buetow, NCI Center for Bioinformatics
	<b>KEYNOTE</b>
9:30 a.m. - 10:00 a.m.	<b>Flow-Through Lab-on-a-Chip Biosensors for the Collection of Rare Circulating Tumor Cells and the Analysis of Their Intracellular Contents</b> Steve Soper, Louisiana State University
10:00 a.m. - 10:30 a.m.	<b>Mapping Reulator Pathways in Cancers</b> Roland Green, NimbleGen Systems, Inc., Madison, WI
10:30 a.m. - 11:00 a.m.	<b>BREAK</b>
11:00 a.m. - 11:30 p.m.	<b>Harnessing the Human Proteome</b> Joshua LaBaer, Harvard Medical School
11:30 a.m. – 12:30 p.m.	Questions and Panel Discussion
12:30 p.m.	<b>ADJOURN</b>