

National Cancer Policy Forum Workshop on
**INFORMATICS NEEDS AND CHALLENGES
IN CANCER RESEARCH**
DRAFT AGENDA

The Keck Center of the National Academies
500 Fifth Street, NW – Room 100
Washington, DC 20001

Day 1: February 27, 2012

- 7:30 am** **Breakfast and Registration**
- 8:00 am** **Welcome from the IOM National Cancer Policy Forum**
John Mendelsohn, MD Anderson Cancer Center
Chair, National Cancer Policy Forum
- 8:05 am** **Workshop Introduction and Overview**
Sharon Murphy, IOM National Cancer Policy Forum

SESSION I

Overview of the Informatics Landscape: Where We are, Framing the Problem, What's Working, What's Not Working, What's Available?

Moderator: Sharon Murphy, IOM National Cancer Policy Forum

- 8:15 am** **Challenges, Gaps, and Opportunities in Cancer Informatics**
- Lawrence Shulman, Dana-Farber Cancer Institute
- 8:30 am** **The Cancer Centers' Perspective**
- William Dalton, Moffitt Cancer Center & Research Institute
- 8:50 am** **The Perspective from Cancer Cooperative Group Chairs**
The informatics challenges of reorganization of the NCI cooperative groups
- Robert Comis, Eastern Cooperative Oncology Group
 - Mitchell Schnall, American College of Radiology Imaging Network
- 9:30 am** **Q&A**
- 9:45 am** **Coffee Break**
- 10:00 am** **The Perspective from Clinical Translational Researchers**
- Bradley Pollock, University of Texas Health Science Center
- 10:20 am** **What Lessons Can Be Learned From caBIG**
- Daniel Masys, University of Washington
- 10:50 am** **Q&A**

Keynote Address

11:00 am ***Informatics and Personalized Medicine***
• Leroy Hood, Institute for Systems Biology

12:00 pm **Lunch Break**

SESSION II

Cancer Use Cases, Examples of Successful Informatics-Supported Endeavors, How Industry is Addressing Health Care Data, Large Scale Data Aggregation and Exchange, Overarching Issues and Reactions

Moderator: Amy Abernethy, Duke University Cancer Care Research Program

1:00 pm ***DELL/TGen Cloud Computing Collaboration in Personalized Medicine for Pediatric Neuroblastoma***

- August Calhoun, Dell Healthcare and Life Sciences
- Spyro Mouses, TGen

1:30 pm ***National Comprehensive Cancer Network: Database Reporting Systems and Analytics***

- Kimary Kulig, NCCN Clinical and Translational Outcomes Research

2:00 pm ***IT Innovations in a Healthcare Network Devoted Exclusively to Cancer Research and Treatment***

- Asif Ahmad, Information and Technology Services, McKesson Specialty Health

2:30 pm ***Secondary Uses of Data for Comparative Effectiveness Research***

- Paul Wallace, The Lewin Group

3:00 pm **Coffee Break**

3:15 pm **Panel Discussion**

Moderator: Adam Clark, MedTran Health Strategies

Speakers joined by Panelists:

- Gwen Darien, NCI Directors' Consumer Liaison Group and Cancer Survivor
- Deven McGraw, Center for Democracy and Technology
- James Cimino, NIH Laboratory for Informatics Development
- Steven Piantadosi, Cedars-Sinai Medical Center

4:45 pm **Wrap up**

Amy Abernethy, Duke University Cancer Care Research Program

5:00 pm **Adjourn Day 1**

Day 2: February 28, 2012

7:30 am Breakfast and Registration

SESSION III

Potential Pathways Forward/New Models

Co-Moderators: Amy Abernethy, Duke University Cancer Care Research Program and William Dalton, Moffitt Cancer Center & Research Institute

8:00 am **Overview of the Needs for Cancer Research**

- John Mendelsohn, MD Anderson Cancer Center Chair, National Cancer Policy Forum

8:10 am **Systems and Personalized Medicine Enabled by Public Data**

- Atul Butte, Stanford University School of Medicine

8:55 am **A Systems Based Approach to Cancer Informatics**

- George Poste, Arizona State University Complex Adaptive Systems Initiative

9:40 am **Q&A**

9:50 am **How Cancer Informatics Will Enable Disruptive Innovation**

- Jason Hwang, Innosight Institute

10:15 am **Coffee and Snack Break**

10:35 am **Perspectives from the Office of the National Coordinator**

- Farzad Mostashari, Office of the National Coordinator for Health Information Technology

10:55 am **EHRs and Cancer Research**

- Sam Butler, Epic

11:05 am **Democratizing Big Data Informatics for Cancer and Other Therapeutic Areas**

- Kris Joshi, Oracle

11:15 am **Cancer Center-Based Coalitions and IT Networks**

- William Dalton, Moffitt Cancer Center & Research Institute

11:35 am **A Proposal for a Coalition of All Stakeholders to Achieve Data Liquidity in Cancer**

- Marcia A. Kean, Feinstein Kean Healthcare

11:50 am **Panel Discussion**

Moderator: Lynn Etheredge, Rapid Learning Project, George Washington University
Speakers joined by Panelists:

- Brandon Hayes-Lattin, Oregon Health & Science University and LIVESTRONG
- Bradford Hesse, National Cancer Institute
- Mia Levy, Vanderbilt-Ingram Cancer Center
- Allen Lichter, American Society of Clinical Oncology

12:50 pm **Summary and Conclusions**

1:00 pm **Adjourn**