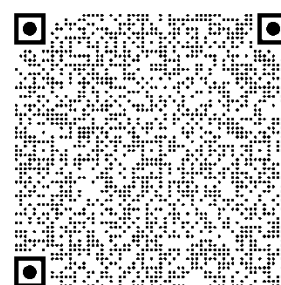# NATIONAL ACADEMIES
Sciences Engineering Medicine

Incorporating Integrated Diagnostics into Precision Oncology Care: A Workshop
March 6-7, 2023

Collaborative workshop convened by:
National Cancer Policy Forum
Computer Science and Telecommunications Board
Board on Human-Systems Integration

Keck Center—Room 100
500 Fifth St., N.W.
Washington, D.C. 20001

Agenda

MARCH 6, 2023 EASTERN TIME ZONE	
7:30 am	**Breakfast and Registration**
8:00 am	**Session 1: Vision and State of the Science for Integrated Diagnostics in Cancer Care** *Planning Committee Co-Chairs:* *Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center* *Hedvig Hricak, Memorial Sloan Kettering Cancer Center* **An Overview of the Current State and Vision for Integrated Diagnostics in Cancer Care** • Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center • Hedvig Hricak, Memorial Sloan Kettering Cancer Center **Ensuring Integrated Diagnostics Facilitate Oncology Care** • Travis Osterman, Vanderbilt University **Panel Discussion**
9:15 am	**Break**
9:30 am	**Session 2: Examples of Efforts to Develop, Implement, and Use Integrated Diagnostics** *Co-Moderators:* *Nancy Davidson, Fred Hutchinson Cancer Center (participating virtually)* *Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center* **PANEL 1: ACADEMIC CENTER PERSPECTIVES** **9:30 – 10:40 am** **Presentations** • Gabriel Krestin, Erasmus MC (*participating virtually*) • Jochen Lennerz, Massachusetts General Hospital • Manuel Salto-Tellez, Royal Marsden and Queen's University Belfast • Mitchell Schnall, University of Pennsylvania • Garry E. Gold, Stanford University **Panel Discussion**

Workshop Website and Briefing Materials:
https://www.nationalacademies.org/event/03-06-2023/incorporating-integrated-diagnostics-into-precision-oncology-care-a-workshop

	PANEL 2: INDUSTRY PERSPECTIVES **10:40 – 11:25 am** **Presentations** • Dorin Comaniciu, Siemens Healthineers • Torbjörn Kronander, Sectra AB • Nick Trentadue, Epic **Panel Discussion** **PANEL 3: LESSONS LEARNED FROM OTHER CONTEXTS OF CARE** **11:25 am – 12:00 pm** **Presentations** • Gil Alterovitz, VA Health System • Atul Butte, University of California, San Francisco **Panel Discussion**
12:00 pm	**Lunch Break**
12:45 pm	**Session 3: Improving Evidence Generation for Integrated Diagnostics** *Moderator:* *Mia Levy, Foundation Medicine/Rush University* **Vision for Improving Evidence Generation for Integrated Diagnostics and Precision Oncology** • Mia Levy, Foundation Medicine/Rush University **Clinical Evidence Generation and Integrated Diagnostics** • Bradford Hirsch, Verily/Alphabet **Opportunities to Leverage Electronic Health Records in Clinical Evidence Generation** • Neal Meropol, Flatiron Health **Lessons Learned from AACR Project GENIE to Inform Evidence Generation** • Charles Sawyers, AACR Project GENIE and Memorial Sloan Kettering Cancer Center **Panel Discussion**
2:10 pm	**Break**
2:25 pm	**Session 4: Oversight and Coverage of Integrated Diagnostics** *Moderator:* *Roy Jensen, The University of Kansas Cancer Center* **Ethical AI by Design** • My T. Thai, University of Florida **Integrative Diagnostics: What is it and Who Does it** • Michael Laposata, University of Texas, Galveston

Workshop Website and Briefing Materials:

	Regulatory Perspectives
	• Reena Philip, FDA Oncology Center of Excellence
	Coverage Considerations
	• Jennifer Malin, Optum Health Solutions
	Panel Discussion
3:45 pm	**Break**
4:00 pm	**Session 5: Patient, Clinician, and Workflow Considerations** *Co-moderators:* *Jason Slagle, Vanderbilt University* *Aanand Naik, UTHealth Houston* **Multimodal Data Integration in Cancer from Real World and Experimental Data** • Sohrab Shah, Memorial Sloan Kettering Cancer Center **Implementing Integrated Diagnostics into Precision Oncology Care** • David Dorr, Oregon Health and Science University **EHR Vision: Now and Next** • CJ Robison, Oracle Health **Trust in Artificial Intelligence and Factors Affecting its Acceptance** • Avishek Choudhury, West Virginia University **Tools and Processes to Support Decisions and Enhance Risk Communication** • Mary Politi, Washington University School of Medicine in St. Louis **Panel Discussion**
5:30 pm	**Adjourn Day 1**
5:35 pm	**RECEPTION**
<center>**MARCH 7, 2023** **EASTERN TIME ZONE**</center>	
7:30 am	**Breakfast and Registration**
8:00 am	**Welcome, Plans for the Day** *Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center* *Hedvig Hricak, Memorial Sloan Kettering Cancer Center* *Planning Committee Co-Chairs*

Workshop Website and Briefing Materials:
https://www.nationalacademies.org/event/03-06-2023/incorporating-integrated-diagnostics-into-precision-oncology-care-a-workshop

8:05 am	**Keynote Session:** **Advancing Progress and Ensuring Health Equity in Integrated Diagnostics** *Moderator:* *Hedvig Hricak, Memorial Sloan Kettering Cancer Center* • Lyndsay Harris, National Cancer Institute, Cancer Diagnosis Program (*participating virtually*) • Susan Coller Monarez, Advanced Research Projects Agency for Health (*participating virtually*) **Panel Discussion**
8:50 am	**Session 6: Ensuring Patient Access and Health Equity** *Co-moderators:* *Wendy Nilsen, National Science Foundation* *Beth Karlan, University of California, Los Angeles* **Equity and Algorithm Development** • Regina Barzilay, Massachusetts Institute of Technology **Community-Based Settings of Care** • Randall Oyer, Association of Community Cancer Centers and Penn Medicine Lancaster General Health **Challenges and Opportunities for Promoting Patient Access in Health Equity in Integrated Diagnostics** • Otis Brawley, Johns Hopkins University *(participating virtually)* **Panel Discussion**
9:45 am	**Break**
10:00 am	**Session 7: Opportunities to Advance Integrated Diagnostics in Cancer Care** *Moderator:* *Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center* **Panelists:** Session 1: Kojo S.J. Elenitoba-Johnson and Hedvig Hricak Session 2: Nancy Davidson (*virtually*) and Kojo S.J. Elenitoba-Johnson Session 3: Mia Levy Session 4: Roy Jensen Session 5: Jason Slagle and Aanand Naik Session 6: Wendy Nilsen and Beth Karlan
11:30 am	**Closing Remarks** *Planning Committee Co-Chairs:* *Kojo S.J. Elenitoba-Johnson, Memorial Sloan Kettering Cancer Center* *Hedvig Hricak, Memorial Sloan Kettering Cancer Center*
11:45 am	**Adjourn**

Workshop Website and Briefing Materials:
https://www.nationalacademies.org/event/03-06-2023/incorporating-integrated-diagnostics-into-precision-oncology-care-a-workshop