INSTITUTE FOR THE FUTURE OF ONCOLOGY

**Leveraging Technology to Transform Cancer Care Delivery
and the Patient Experience**

Wednesday, October 12, 2022

Agenda

7:00 – 8:00 AM   **Registration & Breakfast**

8:00 – 9:00 AM   **Welcome, Introductions, & Discussion**
David R. Penberthy, MD, MBA, *President, ACCC*

Attendees share name, title, and organization, and the answer to this ice-breaker question provided in advance of the Institute:

"*What one single technology solution has had the most impact on your cancer program or practice and why*?"

9:00 – 9:30 AM   **Cancer Program Technology in 2040: The Google Perspective**
Scott Penberthy, Director, Applied AI, *Google*

Scott focuses on the application of artificial intelligence (AI) and information retrieval (search) to healthcare at Google Cloud. Scott will present "The Age of Phenomics," his work with Leroy Hood, Stanford, and leading companies in precision medicine. Phenomics is a data-driven evolution of genomics that reasons about wellness transitions and their reversal from first principles. This area of study is propelled by recent AI and nanoscale technologies.

9:30 – 9:45 AM   **Q&A and Open Discussion**

9:45 – 10:15 AM   **Cancer Program Technology in 2040: A Clinician Perspective**
Sanjay Juneja, MD, Chief of Oncology Service, *Baton Rouge General Hospital;* Co-Founder & COO, *MedFluencers*

New treatments, technology, clinical decision-making support tools, artificial intelligence (AI)-assisted clinical pathways, AI- and BI-platforms to collect social determinants of health data to inform treatment decisions, telehealth and virtual visits, AI-

driven scribe platforms to reduce documentation time, and more, including leveraging social media technology and platforms to engage and educate patients, providers, and industry.

| 10:15 – 10:30 AM | **Q&A and Open Discussion** |

| 10:30 – 10:45 AM | **Break** |

10:45 – 11:15 AM

Cancer Program Technology in 2040: A Business Perspective
Jennie Kung, Senior Director, *Mayo Clinic Innovation Exchange*

Business intelligence platforms and other technology that streamline processes, improve efficiencies, support better use of resources, for example, staffing and patient scheduling, improve revenue cycle management, and more.

| 11:15 – 11:30 AM | **Q&A and Open Discussion** |

11:30 AM – 12:00 PM

Cancer Program Technology in 2040: A Patient Perspective
Adam Hayden, Writer, Speaker, & Patient Advocate

Technology and new delivery systems that allow care to be safely provided in the home to reduce travel burdens, technology innovations that lead to shorter treatment durations and better symptom management to allow people to continue to work during treatment, equitable access to patient wearables and other devices and technology that improve patient education and shared decision-making, etc.

| 12:00 – 12:15 PM | **Q&A and Open Discussion** |

12:15 – 12:45 PM

A Community Oncology and Technology Partnership to Use AI and ML (Machine Learning) to Improve Care to Underserved Patient Populations
Douglas Flora, MD, LSSBB, Executive Medical Director, Oncology Services, *St. Elizabeth Cancer Center*
Praduman Jain, Chief Executive Officer, *Vibrent Health*
Aisha Montgomery, MD, MPH, Senior Research Manager, *Vibrent Health*

Machine learning has the potential to focus its predictive power on identification of factors that contribute to increased cancer mortality in rural populations at low cost and high speed. Learn how the AIM-AHEAD project looks to employ artificial intelligence and machine learning to focus on social determinants of health in rural Appalachia that influence higher rates of cancer death in this underserved population.

| 12:45 – 1:00 PM | **Q&A and Open Discussion** |

1:00 – 2:00 PM   **Networking Lunch**