26th
Cancer Center Summit

Nov 5-7, 2026

Four Seasons Baltimore



26th Cancer Center Symposium & Workshop

"From Connected Multimodal Cancer Data to Predictive Intelligence"

The 26th Ci4CC Summit will examine how academic cancer centers are transforming connected, trusted, and research-ready multimodal data into predictive intelligence that improves cancer prevention, diagnosis, treatment, and survivorship.

The program follows the journey of cancer data from foundational infrastructure and collaborative resources to evidence generation, AI-enabled discovery, precision treatment, and real-world clinical impact. It will highlight the convergence of artificial intelligence, real-world evidence, genomics, digital pathology, imaging informatics, interoperable data platforms, and cross-institutional research models.

Together, these capabilities are creating continuously learning cancer ecosystems that accelerate discovery, modernize clinical trials, strengthen precision oncology, advance therapeutic innovation, and improve patient outcomes at scale.

The 26th Cancer Center Symposium and Workshop will convene leaders from federal agencies, standards organizations, life sciences, technology, and NCI-Designated and community cancer centers to develop practical models for secure data sharing and national collaboration. Guided by patient perspectives and evolving policy, the program will advance the standards, governance frameworks, and strategic partnerships needed to accelerate translational impact and improve cancer outcomes nationwide.

Dr. William G. Nelson, MD, PhD, DSc (Chair)

Director, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University

Dr. Taofeek K. Owonikoko, MD, PhD (Chair)

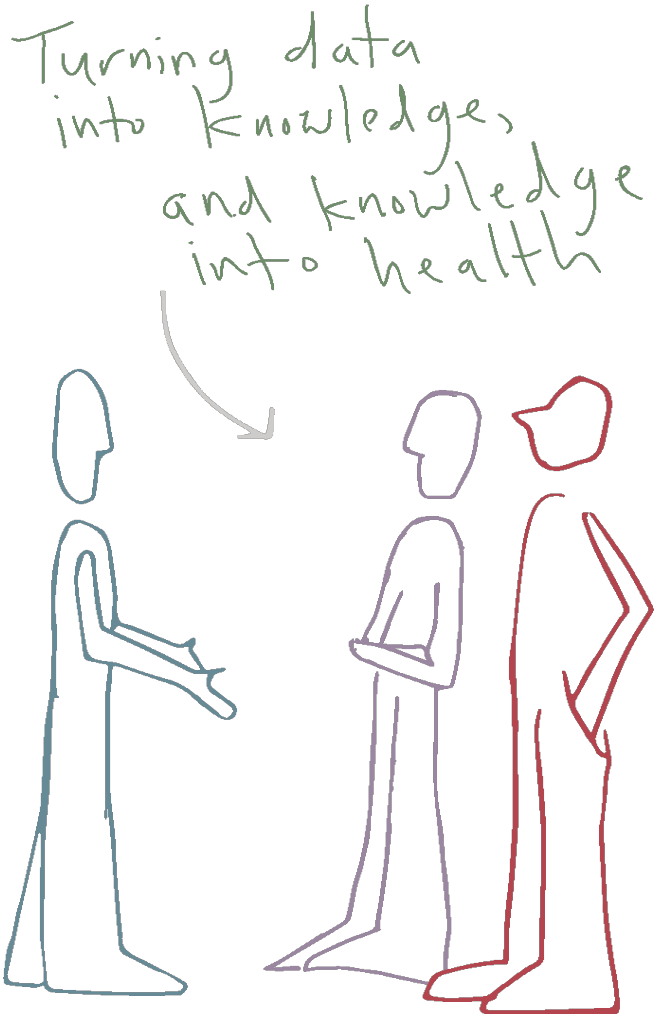
Director, Greenebaum Comprehensive Cancer Center, University of Maryland





26th Cancer Center Symposium & Workshop

Thursday Nov 5th (Pre-Conference Workshop)
2 – 6 PM - Exhibit Hall Booth Setup. Four Seasons Baltimore Grand Ballroom
2 – 6 PM - Registration: Four Seasons Baltimore Grand Ballroom
2 - 6 PM – Pre Conference Initiatives Workshop (Grand Ballroom) • Shaping Tomorrow's Cancer Care with Oracle. Ci4CC Initiative Overview (Grand Ballroom) • Natera Working Group • Triomics AI LLM Training: Clinical Trials Matching using advanced Agentic Agents



26th Cancer Center Symposium & Workshop

Friday November 6th (Day 1)	
7:00 AM	**Registration**
7:00 AM	**Breakfast**

8:15 AM	**Day 1 Kickoff and Welcome Remarks & Conference Breakdown**
	• John Carpten, PhD
	  ○ Director, City of Hope Comprehensive Cancer Center
	  ○ Immediate Past Chair 25th Cancer Center Summit
	• Sorena Nadaf-Rahrov, MS, MMI
	  ○ President & CEO, Cancer Center Informatics Society

8:30 AM	**Chairs Welcome**
	• William G. Nelson, MD, PhD, DSc
	  ○ Director, Sidney Kimmel Comprehensive Cancer Center
	• Taofeek K. Owonikoko, MD, PhD
	  ○ Director, Greenebaum Comprehensive Cancer Center

8:30 AM	**Cancer Center Directors Circle Distinguished Keynote #1** • William G. Nelson, MD, PhD, DSc - Director, Sidney Kimmel Cancer Center Established in 1973, the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins has a long history of connecting scientific discovery with advances in patient care. That mission is reflected in Dr. Nelson, who earned his medical and doctoral degrees at Johns Hopkins in 1987, joined the faculty in 1992, and became the center's third director in 2008. A physician-scientist recognized for his work in prostate cancer genetics and translational research, Dr. Nelson has guided the center's expansion in precision medicine, cancer immunotherapy, and collaborative research, continuing its commitment to bringing discoveries to the patients who need them. • Fireside Chat with Dr. William (Bill) Nelson

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Friday November 6th (Day 1)

9:00 AM	**Session 1: Translating Data into Evidence and Impact:** This opening session will explore how academic cancer centers are transforming real-world data into reliable evidence and meaningful clinical impact. The discussion will follow the journey from connected, research-ready multimodal data to actionable intelligence that strengthens cancer prevention, diagnosis, treatment, clinical trials, and survivorship. Speakers will examine how interoperability, data governance, advanced analytics, artificial intelligence, and cross-institutional collaboration can move real-world data beyond retrospective analysis and into practical applications that improve decision-making, accelerate discovery, and advance patient outcomes at scale. The National Cancer Institute will also highlight standards and methodologies for NCI-Designated Cancer Centers, including the Data Counts Program and approaches to cancer registry data extraction. • Juli Klemm, PhD - National Cancer Institute, Center for Bioinformatics and Information Technology (NCI-CBIIT) • Taxiarchis Botsis, PhD, MSc - Johns Hopkins University Kimmel Comprehensive Cancer Center • Other NCI Designated & Community Cancer Center Case Studies • Panel
10:00 AM	**Networking Break & Exhibit Booths**
10:30 AM	**Session 2: Scaling Cancer AI Across Institutions through Federated Networks & Models:** This Session will examine how cancer centers can develop, validate, and deploy artificial intelligence across institutions while maintaining local control of sensitive clinical and research data. Speakers will explore federated networks, distributed learning, shared models, interoperable platforms, and privacy-preserving approaches that allow institutions to collaborate without requiring patient-level data to leave their secure environments. The discussion will address the technical, governance, regulatory, and operational requirements needed to create trustworthy AI models that perform reliably across diverse patient populations, health systems, and data environments • Fred Lee, MD, MPH – Cancer Center Informatics Society • Vasan Yegnasubramanian, MD, PhD - Johns Hopkins University Kimmel CCC • Robert L. Grossman, PhD – University of Chicago CCC: The AI Commons Consortium (AICC) : GDC and Open Commons Consortium. • NCI-Designated Cancer Center AI Collaborative (CCAIC) – Sorena Nadaf-Rahrov, MS, MMI – Cancer Center Informatics Society • Panel

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Friday November 6th (Day 1)	
11:30 AM	**Life Sciences Distinguished Keynote: "Shaping Tomorrow's Cancer Care with Oracle"** • Seema Verma, EVP and GM, Oracle Health & Life Sciences Shaping Tomorrow's Cancer Care with Oracle will explore Seema Verma's vision for connecting clinical care and life sciences to advance oncology. Drawing on the Oracle–Ci4CC initiative's four Working Groups, the keynote will highlight AI-enabled clinical workflows, clinical-trial modernization, real-world evidence and precision oncology, and secure, interoperable data networks that support collaboration across cancer centers and accelerate the translation of research into patient care. • Fireside Chat with Seema Verma
12:00 PM	**Health System Distinguished Keynote: "From Scientific Discovery to Patient Therapy"** • Larry W. Kwak, MD, PhD - Scientific Founder & Interim CEO, PeproMene Bio From Scientific Discovery to Patient Therapy will trace the development of BAFF-R–targeted CAR T-cell therapy for relapsed or refractory B-cell lymphomas. Dr. Kwak will share the journey from target discovery and preclinical research to clinical evaluation, highlighting early clinical findings and the scientific, manufacturing, and operational challenges of translating a novel cellular therapy into patient care. • Fireside Chat with Dr. Larry Kwak
12:30 PM	**Networking Lunch & Exhibit Booths**
1:30 PM	**Trainee Abstracts** #1: Core Needle Biopsy as a Spatial Measurement. A Probabilistic Framework for Translational Cancer Research. Mathew Muscat, PhD – Johns Hopkins University
2:00 PM	**Life Sciences Distinguished Keynote: "Leveraging MRD in Real World Data Applications"** • Aaron Brauser, PhD - Vice President, Health System Products, Natera MRD in Real World Data Applications will explore how molecular residual disease (MRD) testing can enrich real-world oncology data and support evidence generation. Natera will discuss opportunities to connect MRD results with longitudinal clinical information to better understand recurrence risk, treatment response, and patient outcomes, with implications for precision oncology and clinical research. • Fireside chat with Dr. Aaron Brauser

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Friday November 6th (Day 1)	
2:30 PM	**The Intersection of Clinical Care and Artificial Intelligence.** The Clinical Informatics Grand Rounds (CiGR) brings the clinical informatics community together to share practical approaches, exchange knowledge, and develop collaborations that improve patient care and outcomes. The AI showcase will explore clinically relevant tools, methods, and applications at the intersection of informatics, data science, and oncology, highlighting how artificial intelligence can advance translational research and support more effective, patient-centered care. • Sandip Patel, MD - University of California San Diego Moore's CCC • Kashif Firozvi, MD – Maryland Oncology Hematology • Amit Sawant, PhD - University of Maryland Greenebaum CCC • Enrique Velazques Villareal, MD, PhD, MPH, MS - City of Hope CCC • Panel Discussion
3:30 PM	**Networking Break & Exhibit Booths**
3:45 PM	**Session 3: AI Enabled Pathology & Imaging Informatics.** This session will explore the clinical application of artificial intelligence across digital pathology and medical imaging. Speakers will highlight advances in computational pathology, radiomics, computer vision, and multimodal diagnostics, including the integration of imaging, molecular, pathology, and clinical data to improve diagnostic accuracy, biomarker discovery, disease characterization, treatment selection, response assessment, and precision oncology. The discussion will also address the clinical validation, workflow integration, data standards, and governance required to translate these technologies into reliable tools that support clinicians and improve patient outcomes. • Johns Hopkins University Kimmel Comprehensive Cancer Center • University of Maryland Greenebaum Comprehensive Cancer Center • Panel

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Friday November 6th (Day 1)	
4:30 PM	**Cancer Center Initiatives Incubator Program Announcements** The Cancer Center Informatics Society Initiatives Program brings together leaders from NCI-designated and community cancer centers, academia, health systems, and the life sciences industry to connect AI, translational research, cancer informatics, and data science. Grounded in the needs of researchers, clinicians, and patients, the program advances collaborative projects in Artificial Intelligence, Precision Oncology, Clinical Trials, Interoperable Health Records, and the Real-World-Data Ecosystem. Through shared expertise, digital infrastructure, and partnerships with life science biotechnology and pharmaceutical organizations, it aims to turn bleeding edge scientific discoveries and data into better cancer care and more effective therapeutic development. ○ Program 1: Natera ○ Program 2: Stand Up 2 Cancer ○ Program 3: National Cancer Institute ○ Program 4: The AI Commons Consortium ○ Program 5: Pfizer
5:00 PM	**Adjourn Day 1**
6:30 PM	**Chairs' Reception & Group Dinner**
8:30 PM	**The Brady Davis Social**

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Saturday, November 7th (Day 2)	
7:00 AM	**Registration**
7:00 AM	**Breakfast**
8:00 AM	**Day 2 Welcome and Keynote Presentation from the National Cancer Institute: "From Data to Discovery: Shaping the Future"** NCI CCID: From Data to Discovery - Shaping the Future. Day 2 opens with a welcome and keynote from the director of data science and strategy of National Cancer Institute. The presentation will explore how connected data, collaborative research, and advances in informatics can accelerate cancer discovery and translate knowledge into better patient care, setting the stage for the day's discussions on AI, data sharing, and precision oncology. • Warren Kibbe, PhD, Director Data Science and Strategy, National Cancer Institute • Fireside Chat with Dr. Warren Kibbe
8:30 AM	**Cancer Center Directors Circle Distinguished Keynote #2** • Taofeek K. Owonikoko, MD, PhD - Director, Greenebaum Cancer Center With origins dating to 1965, the University of Maryland Marlene and Stewart Greenebaum Comprehensive Cancer Center has a longstanding commitment to translating scientific discoveries into patient care, earning NCI designation in 2008 and comprehensive status in 2016. Its Executive Director, Dr. Owonikoko, assumed leadership in January 2024 following senior roles at Emory's Winship Cancer Institute and UPMC Hillman Cancer Center. An internationally recognized thoracic oncologist and physician-scientist, Dr. Owonikoko brings expertise in lung cancer, biomarker discovery, and translating laboratory findings into clinical trials, alongside a commitment to expanding access to innovative treatments and developing future oncology leaders • Fireside Chat with Dr. Owonikoko

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Saturday, November 7th (Day 2)

9:00 AM	**Session 4: Spatial Genomics and Germline Intelligence.** This session will examine how spatial genomics and germline intelligence are expanding our understanding of cancer biology, inherited risk, and treatment response. Speakers will explore how spatially resolved molecular data can reveal the organization of tumors, immune cells, and the surrounding microenvironment, while germline analysis can identify inherited variants that inform cancer risk, prevention, screening, and therapeutic decisions. The discussion will also address the integration of these complex data with clinical information to support biomarker development, precision oncology, and more personalized approaches to cancer care. • Elana Fertig, PhD – University of Maryland Greenebaum CCC • Alison Klein, MHS, PhD – Johns Hopkins University Kimmel CCC • Luciane Tsukamoto Kagohara, PhD – Johns Hopkins University Kimmel CCC • Alex Xu, PhD – University of Maryland Greenebaum CCC • Panel
10:00 AM	**Session 5: Cancer Center Shared Resources as Engines of Collaboration** This Session will explore how Cancer Center Support Grant (CCSG) shared resources can connect expertise, technology, and investigators to advance collaborative discovery. • Nick Ambulous, PhD - University of Maryland Greenebaum CCC • Leslie Cope, PhD - Johns Hopkins Kimmel CCC • Megan Forbes, Developing a Research Software Support Network at Johns Hopkins University • Jay Fox, PhD – University of Virginia CCC: Reimagining Shared Resources as Collaborative Research Partnerships Leveraging Agentic AI to Work Together • Nick Jaider & Erika Weaver, CoreCompass: AI-powered navigation for SKCCC Shared Resource - Johns Hopkins University Kimmel CCC • Panel
11:00 AM	**Networking Break & Exhibit Booths**

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Saturday, November 7th (Day 2)	
11:30 AM	**Distinguished Industry Keynote: "From Mechanism to Patient: Building Federated AI for Predicting Breast Cancer Treatment Response"** • Ildiko Csiki, MD, PhD, Head of External Innovation, Oncology Early-Stage Development, Pfizer From Mechanism to Patient: Building Federated AI for Predicting Breast Cancer Treatment Response will explore how industry–academic collaboration can connect knowledge of drug mechanisms with clinical, molecular, pathology, and imaging data to better predict treatment response and resistance. Ildiko Csiki, MD, PhD, Head of External Innovation, Oncology Early-Stage Development at Pfizer, will discuss breast cancer as a starting point for developing federated, multimodal AI models that link therapeutic development with precision patient care. • Fireside Chat with Dr. Ildiko Csiki
12:00 AM	**Fueling the Future: "Empowering Emerging Voices in Cancer Informatics, Biostatistics, & Data Science"** A rapidly growing Ci4CC Working Group, Feuling the Future, led by Dr. Rothwell of Duke Cancer Institute will explore how cancer centers are using CRTEC initiatives to build and strengthen the future workforce in cancer informatics, research and data sciences, including biostatistics. This interactive session will spotlight efforts underway across represented centers and create an opportunity to exchange ideas, identify common challenges, and explore opportunities for collaboration • Marvin Rothwell PhD - Duke Cancer Institute • Wei Li, PhD – University of Maryland Institute for Health Computing • Chloe Fournier, Duke Cancer Institute, Administrative Director & CRTEC Representative • Karen Howenstein, PhD – Georgetown University CRTEC Program • Amanda Purdy, PhD – Fox Chase Cancer Center • Panel
1:00 PM	**Networking Lunch & Exhibit Booths**

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Saturday, November 7th (Day 2)	
2:00 PM	**Session 6: "AI Accelerated Therapeutic and Biomarker Discovery"** This session will explore how artificial intelligence is accelerating the discovery of new therapeutic targets, drug candidates, and clinically meaningful biomarkers. Speakers will examine how AI can integrate genomic, molecular, imaging, pathology, and clinical data to identify disease mechanisms, predict treatment response, prioritize promising candidates, and support more efficient drug development. The discussion will also address the validation, reproducibility, and clinical translation required to move AI-generated discoveries from computational models into precision therapies and biomarker-guided patient care. • Victor Velculesco, MD, PhD - Johns Hopkins University Kimmel CCC • Alexander MacKerell, PhD - University of Maryland Greenebaum CCC • Mark Lee, MD, PhD - CEO, N-Power Medicine • Panel
3:00 PM	**Distinguished Industry Keynote: AI and the future of Value-Based Cancer Care: Connecting Data, Decisions, and Outcomes** • Prateesh Varughese, PharmD, MBA – Integra Connect AI and the Future of Value-Based Cancer Care: Connecting Data, Decisions… and Outcomes: Data alone doesn't change cancer care. Partnerships do. This keynote shows how physician-led, patient-centered partnerships are putting real-world data and AI to work: finding care gaps, generating credible evidence and closing those gaps in practice. The result is better outcomes for patients and a stronger way to deliver cancer care, which no single center can build alone. • Fireside Chat with Prateesh Varughese
3:00 PM	**Networking Break & Exhibit Booths**

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Saturday, November 7th (Day 2)

4:00 PM	**Oracle Health & Life Sciences Cancer Center Initiative Program Keynote: "Shaping Tomorrow's Cancer Care with Oracle - The Journey towards Phase 2"** • Reena Duseja, MD, MS - Oracle Health and Life Sciences Physician Lead Building on Seema Verma's keynote, "Shaping Tomorrow's Cancer Care with Oracle", Dr. Duseja, co-Chair of the national cancer center initiative, will explore how that vision can translate into meaningful progress across the Oracle | Ci4CC initiative's four Working Groups. Topics will include the future oncology health record, AI-enabled clinical workflows, clinical-trial modernization, real-world evidence, and secure, federated data collaboration. The conversation will also examine how cancer centers can help shape Oracle's strategy through shared use cases and pilots, with an emphasis on open interoperability, responsible data use, and measurable benefits for clinicians, researchers, and patients. A strong focus will be Phase 1 lessons learned and the strategic transition to Phase 2 work underway. • Fireside Chat with Dr. Duseja
4:30 PM	**Distinguished Cancer Center Pediatric Oncology Academic Keynote: "From Fragmented Records to a Unified Patient"** • Adam C. Resnick, PhD. Children's Hospital of Philadelphia (CHOP). Director, Center for Data Driven Discovery in Biomedicine (D3B) Dr. Resnick will explore how connecting clinical and research data can provide a more complete picture of each child's cancer journey and advance pediatric oncology. Adam C. Resnick, PhD, of Children's Hospital of Philadelphia's Center for Data Driven Discovery in Biomedicine (D3B), will share findings and lessons from the RADIENT / PCX pilot, highlighting what has been demonstrated and the work ahead. A fireside chat will follow, examining the collaboration, infrastructure, and data-sharing practices needed to translate these efforts into research and patient care. • RADIENT / PCX Pilot: proof, lessons and the work ahead : Su2C and Oracle • Fireside Chat with Dr. Resnick

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Saturday, November 7th (Day 2)

5:00 PM	**Chief Data Officer POV: "Everyone wants AI. Nobody wants to Clean the Data"** "Everyone Wants AI. Nobody Wants to Clean the Data**"** takes a candid, occasionally uncomfortable look at the gap between oncology's AI ambitions and systems that actually work. Moderated by Sorena Nadaf-Rahrov of Ci4CC, this interactive discussion brings together Warren Kibbe, PhD, of the National Cancer Institute; Emily Norboge, MPSA, of Duke Cancer Institute; and cancer center data officers attending the 26th Ci4CC Symposium to explore oncology learning health systems and federated data exchange. The conversation will connect aspiration with operational reality, addressing data quality, interoperability, governance, and institutional collaboration—the less glamorous work that rarely headlines an AI keynote but makes everything else possible. • Warren Kibbe, PhD – National Cancer Institute • Emily Norboge, MPSA - Duke Cancer Institute • Cancer Center Data Officers in attendance
5:30 PM	**Stand Up to Cancer & Ci4CC National Initiative** Stand Up To Cancer (SU2C) brings researchers, institutions, industry partners, and patient advocates together to accelerate the translation of scientific discoveries into new cancer treatments. This session will explore opportunities for collaboration with Ci4CC, highlighting how connected data, shared expertise, and coordinated research can advance discovery and improve patient care. Participants will learn about the initiative, join the discussion, and explore opportunities to get involved. • Catherine Higgins, PhD – SU2C Scientific Programs • Q&A

5:45 PM	**Adjourn 26th Cancer Center Symposium: Chairs Closing Remarks & Introduction to 27th Cancer Center Summit, Spring 2027**
	
	• William G. Nelson, MD, PhD, DSc
	  ○ Director, Sidney Kimmel Comprehensive Cancer Center
	• Taofeek K. Owonikoko, MD, PhD
	  ○ Director, Greenebaum Comprehensive Cancer Center
	• Shannon McWeeny, PhD
	  ○ Chief Data Officer, OHSU Knight Cancer Institute
	  ○ Professor of Division of Oncological Sciences, School of Medicine
	  ○ Associate Director, Data Science, OHSU Knight Cancer Institute
	  ○ Director, Biomedical Informatics, OHSU Knight Cancer Institute

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CANCER CENTER INFORMATICS SOCIETY
Ci4CC