Conference Theme & Event-At-A-Glance

The Spring 2018 Symposium is our 11th conference, and the 10th CI4CC-organized and hosted conference. We will be focusing on the IT and informatics projects, initiatives and platforms that are enabling precision oncology. These activities span public health, prevention, surveillance, early detection, personalized therapy, next generation clinical trials and everything in between.

Day Zero will focus on NCI-funded activities, including the Cancer Data Commons and Cloud Resources, MATCH, CTRP, the ITCR grant program, and the DOE-NCI Collaboration on exascale computing applied to cancer research.

Day One will focus on data generation and ASCO CancerLinQ, NCCN, ORIEN, AACR Project GENIE, I-SPY, Flatiron, and digital platforms that enable these activities, with an eye toward predictive oncology using translational bioinformatics, machine learning and analytics.

Day Two will highlight advances in computing and informatics that are changing the cancer research landscape and disruptive technologies supporting the growth of NCI Cancer Center Support Grants and Shared Resources.

Focused Panels & Strategy Discussions:
- Predictive Oncology
- Translational Bioinformatics
- High Performance Computing for Oncology
- Genomics / OMICs
- Artificial Intelligence, NLP, and Machine Learning
- Computational Medicine
- Clinical Research & Clinical Trials Infrastructure
- Disease Registries & Real World Evidence
- Informatics Shared Resources & Digital Platforms

Pre/Post Conference Fund Raisers
Cycling4CI, Monday April 2nd
Golf4CI, Monday April 2nd & Friday April 6th

Tuesday, April 3rd (Day Zero)

Time	Event
7:00 am - 8:00 am	**Breakfast**
8:00 am - 8:15 am	**Fall 2017 Conference Welcome & Chairs Kickoff** Warren Kibbe, PhD (Duke) Sorena Nadaf, MS, MMI (City of Hope)
8:15 am - 9:00 am	Keynote: Laura Esserman, MD, MBA: "Adaptive Learning in Trials and in Practice: Creating tomorrow's effective, affordable care"
9:00 am - 9:30 am	GenomOncology Corporate Keynote: "Integrating Discrete Molecular Data into EHRs Using Current HL7 Messages": - Manual Glynias, PhD CEO and Founder GenomOncology - W. Scott Campbell, MBA, PhD University of Nebraska
9:30 am – 10:00 am	**Booth Time / Networking Break**
NCI Workshop Panel on Data Commons and Cloud Resources	
10:00 am - 10:15 am	NCI Panel Introduction: Tony Kerlavage, PhD, NCI/CBIIT (Workshop Moderator)
10:15 am - 10:45 am	From Cancer Data Commons to Cancer Data Ecosystems: - Robert L. Grossman, PhD, U. Chicago
10:45 am - 11:15 am	FireCloud Cancer Cloud Resource: - David Siedzik, Broad Institute
11:15 am - 11:45 am	Institute for Systems Biology Cancer Cloud Resource: - David Gibbs, PhD, Institute for Systems Biology
11:45 am - 1:00 pm	**Networking Lunch &** Corporate Keynote: COTA Healthcare: Stuart Goldberg, MD
NCI Workshop Panels Continued: Clinical Trials Research Networks, HPC, and more Cloud	
1:00 pm - 1:30 pm	The Seven Bridges Cloud Ecosystem: Enabling Interoperable Data Access and Analysis. - Liz Williams, PhD, Seven Bridges Genomics
1:30 pm - 2:00 pm	NCI Clinical Trials Reporting Program (CTRP) Update – Finding Cancer Trials Collaborative: - Samantha Finstad, PhD, NCI/CCCT
2:00 pm - 2:30 pm	JDACS4C – Joint Design of Advanced Computing Solutions for Cancer Initiative: - Fred Streitz, PhD, Lawrence Livermore National Laboratory HPC Innovation Center
2:30 pm - 3:00 pm	"ATOM" – Accelerating Therapeutics for Opportunities in Medicine Collaboration & Initiative. - Stacie Calad-Thomson, PhD
3:00 pm - 3:45 pm	**NCI Director's Keynote: Dr. Ned Sharpless, MD**
3:45 pm - 5:15 pm	Cancer Center Director's Reception & Group Photo
5:15 pm - 6:15 pm	**Networking and NCI Cancer Center CIO Strategy Sessions: Round-Table Event**

Wednesday, April 4th (Day One)

7:00 am - 8:00 am	**Breakfast**
8:00 am - 8:05am	Introduction to the morning sessions: Warren Kibbe & Sorena Nadaf
8:05 am - 8:45 am	Keynote: Dr. Jeff Trent, PhD / The Translational Genomics Research Institute (TGen) "Integrating Genetics, Genomics, and Biology towards a more personalized medicine":
8:45 am - 9:15 am	The CAP Cancer Protocols: "Using Data Standards and Minimum Data Sets to Ensure Interoperability and Insure Quality of Cancer Diagnostic Data" Mary Edgerton, MD, PhD. MDACCC
9:15 am - 10:15 am	Corporate & Academic Panel on Genomic Data Management Platforms: Panel Moderator: Sorena Nadaf MS MMI - GenomOncology: Manuel Glynias, PhD - Seven Bridges Genomics: Bruce Press - DNANexus: Brady Davis - City of Hope CMDL HopeSeQ: Dr. Raju Pillai, MD PhD
10:15 am - 10:30 am	**Break**
10:30 am - 11:30 am	Precision Oncology Networks Panel: Decision Support, Real World Evidence Analytics, Genomic Panels, Molecular Tumor Boards, & Actionable Data Interoperability - AACR Project GENIE: Shawn Sweeney, PhD. *Session Chair* - ASCO CancerLinQ: TBF - Flatiron: Neal Meropol, MD PhD - ORIEN: Judy Barkal - COTA Healthcare: Stuart Goldberg, MD
11:30 am - 12:00 pm	Keynote: Dr. Kevin White, PhD / The University of Chicago / Tempus "Building an Operating System for Precision Oncology"
12:00 pm - 1:00 pm	**Networking Lunch with a focus on Artificial Intelligence in Oncology**
1:00 pm - 1:30 pm	IntegraConnect Corporate Keynote with Jennifer Webster, MS
1:30 pm - 2:30 pm	NLP & Machine Learning Panel focused on Data Generation for NCI Cancer Center Predictive Oncology Programs and Value Based Care Initiatives: - Panel Moderated by Samir Courdy, MBA Huntsman Cancer Institute - COTA Healthcare: Stuart Goldberg, MD / Eric Schultz - Isaac Kunz, MS, Huntsman Cancer Institute - Flatiron: Tyler Haydell, PhD - Hua Xu, PhD, UT Health Sciences Center
2:30 pm - 3:00 pm	Keynote: Dr. Ravi Salgia MD, PhD / City of Hope "Omics of Lung Cancer – Precision Oncology with Comprehensive Registries"
3:00 pm - 5:00 pm	**Networking and NCI Cancer Center CIO Strategy Sessions: Round-Table Event**
5:00 pm	Dinner on your own
8:00 pm	**Social Event (Casual)**

Thursday, April 5th (Day Two)

7:00 am - 8:00 am	**Breakfast**

8:00 am - 8:30 am	Cancer Center Directors Panel: Introduction by Warren Kibbe, PhD
	"Precision Medicine Trends and Future at NCI Cancer Centers"
	  - Steve Rosen, MD (Panel Lead and Moderator)
	  - Ned Sharpless, MD
	  - Larry Kwak, MD PhD
	  - Ravi Salgia, MD PhD
	  - Jeff Trent, PhD
	  - Andre Goy, MD

8:30 am - 9:00 am	Cancer Informatics Year in Review: "Precision Oncology Knowledge Networks" Sorena Nadaf, MS MMI & Warren Kibbe, PhD

9:00 am - 10:30 am	Industry and Academic Panel & Real World Evidence, Pharma, Genomics, Precision Oncology &Translational Bioinformatics Data and Value Based Care:
	  - DNANexus: Brady Davis (Panel Moderator)
	  - MedImmune / Astra Zeneca: David Fenstermacher, PhD
	  - Bristol-Myers Squibb: Ajay Shah, PhD
	  - Roche: Kimberley Ferguson
	  - COTA Healthcare: Stuart Goldberg, MD
	  - IntegraConnect: Jennifer Webster, MS

10:30 am - 10:45 am	**Break**
10:45 am - 11:15 am	Next Generation Disease Registries and Population Health Informatics Initiatives with a focus on Real World Evidence: Jim Lacey, PhD, City of Hope
11:15 am - 11:45 am	CCSG Reviews and Cancer Center Informatics / Omics / Bioinformatics Shared Resources: - The need for advanced review processes change starts with the Cancer Center Informatics leadership: Open dialogue Format moderated by Chairs.
11:45 am - 12:15 pm	Future of NCI Cancer Center Research Compute Shared Resources: The Next Generation of NCI Cancer Center Needs: James Lowey / TGen, Sorena Nadaf / COH
12:15 pm - 1:30 pm	**Networking Lunch**
Conclusion and Closing Remarks	
1:30 pm - 2:00 pm	Awards, Society Updates, Announcements and Initiatives Report Out
2:00 pm	Fall 2018 Symposium Announcements / Spring 2018 Symposium Adjourned