

Fall 2019 Conference Event-At-A-Glance

“Intersections between informatics, data science and population science”: The Fall 2019 Symposium is our 14th organized NCI & Community Cancer Center Informatics Symposium. For this conference we will focus on the integration of data science and informatics with population science in order to advance our understanding of cancer etiology, identify new approaches for cancer prevention and early detection, improve cancer patient outcomes and enhance cancer care delivery throughout the community.

Data collection and analysis has continuously evolved within the context of population science studies, increasingly incorporating digital tools and virtual strategies for assessment of exposures and health behaviors. Furthermore, as we seek to unravel the complexity of cancer, novel informatics approaches are required to integrate and analyze data across multiple biological scales, including genomics, pathology and radiology based images, clinical and patient-reported outcomes. Given the complexity and amount of data currently available on cancer patients and populations at risk of cancer, further convergence of data and population sciences will be required to effectively advance data capture, integration and analysis, with the common goal of reducing the cancer disease burden in the population. In addition, there is a heightened focus in the CCSG on catchment area research and impact, meaning that each cancer center must meaningfully understand and impact the health of the communities they serve.

The Fall 2019 CI4CC conference will cover topics such as collection of cancer risk factor information and outcomes through digital tools, data science approaches for advancing insights from cohort and other large scale population-based studies, data linkages for catchment area research, strategic approaches to creating and maintaining electronic data warehouses for the advancement cancer research and care delivery (including common data models), leveraging artificial intelligence for observational research, and evolving CCSG cores to support optimal data access, integration and analysis.



Fall 2019 Symposium & Workshop

Intersections Between Informatics, Data Science and Population Science

October 14-16, 2019 // Napa, CA

Monday, October 14 (Day One)

7:00 am - 8:00 am	Breakfast
8:00 am - 8:15 am	Fall Conference Welcome – Drs. Sorena Nadaf and Warren Kibbe
8:15 am - 9:00 am	Fall 2019 Conference Chairs Introduction & Kickoff – Drs. Dana Rollison and Jill Barnholtz-Sloan
9:00 am: Population-based Data Collection for Cancer Prevention and Care Delivery – Session Chair, Dr. Dana Rollison, Moffitt Cancer Center	
9:00 am - 9:30 am	Dr. Lisa Mirel, CDC -- National Center for Health Statistics (NCHS) – National Center for Health Statistics' Data Linkage Program: Leveraging Administrative Data for Surveys -- via Webex/Zoom
9:30 am - 10:00 am	Dr. Marta Induni, Cancer Registry of Greater California, a Program of the Public Health Institute -- Using the Trees to See the Forest: Leveraging Central Cancer Registry Data for Near-Term and Operative Data Needs
10:00 am - 10:30	BREAK
10:30 am - 11:00 am	Dr. Betsy (Elizabeth) Shenkman, University of Florida -- Improving Cancer Prevention and Care Through the Use of Real World Data
11:00 am - 11:30 pm	Dr. Lynne Penberthy, Surveillance Research Program/SEER -- A Paradigm Shift in Surveillance to Represent Real World Data
11:30 am – 1:00 PM: Networking Lunch	
1:00 pm - 1:30 pm	Corporate Keynote or Panel – TBN
1:30 pm – 3:00 pm	Poster Presentation and Reception
3:00 pm: Novel Approaches of Machine Learning/AI to Observational Studies – Session Chair, Dr. William Bush, CWRU	
3:00 pm - 3:30 pm	Dr. Gerald Dal Pan, US Food and Drug Administration – Real-world, Data, Advanced Analytics, and the Evolution of Postmarket Drug Safety Surveillance
3:30 pm - 4:00 pm	Dr. William Bush, Cleveland Institute for Computational Biology & CWRU -- Machine Learning and Data Integration Approaches for Genomic Data Analysis
4:00 pm - 4:30 pm	Dr. Amrita Basu, UCSF – Implementing Patient Reported Outcomes in a Large Breast Cancer Cohort Study
4:30 pm - 5:00 pm	Panel Discussion



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Tuesday, October 15 (Day Two)

8:00 am - 9:00 am	Breakfast
9:00 am: Cancer Cohorts and Other Large Scale Population Studies -- The Importance of Data Science and Informatics – Session Chair, Dr. Jill Barnholtz-Sloan, CWRU	
9:00 am – 9:30 am	Dr. Montserrat Garcia-Closas, Division of Cancer Epidemiology and Genetics, NCI – Connect: A Prospective Cohort for Cancer Prevention Advancing a Learning Health Care System
9:30 am - 10:00 am	Dr. Larry Kushi, Kaiser Permanente Northern California -- The Virtual Data Warehouse and Population Studies in Cancer Care Delivery in Integrated Health Care Settings
10:00 am - 10:30 am	Dr. Alexander “Sandy” Borowsky, UC Davis – All of Us Study
10:30 am - 11:00 am	Dr. Jim Lacey, City of Hope – The Big Challenge of Small Data in Large Studies
11:00 am - 11:30 am	Dr. Mia Gaudet, American Cancer Society -- Leveraging the Cancer Prevention Study-II to Derive Novel Breast Cancer Tumor Tissue Patterns
11:30 pm – 12:00pm	Panel Discussion
12:00 PM – 1:30 PM: Networking Lunch	
1:30 pm – 2:00 pm	Corporate Keynote or Panel -- TBN
2:00 pm: Multi-scale Data Integration for Cancer Discovery – Dr. Alex Bui, UCLA	
2:00 pm – 2:30 pm	Dr. Joel Saltz, Stonybrook – Pathomics: Deep Learning, Surveillance and Precision Medicine
2:30 pm – 3:00 pm	Dr. Jennifer Permuth, Moffitt -- Using Radiogenomics to Noninvasively Predict the Malignant Potential of Intraductal Papillary Mucinous Neoplasms of the Pancreas and Uncover Hidden Biology
3:00 pm – 3:30 pm	Dr. Alex Bui, UCLA -- Challenges and opportunities for integrating New Types of Data to Inform Cancer Research and Outcomes
3:30 pm -- 4:00 pm	Panel Discussion: Data Integration and Availability through CCSG Cores – Dr. Travis Gerke (Moffitt), Dr. Jeanine Genkinger (Columbia), Dr. Wenjin Zheng (UT Health Houston)
6:00 pm	Dinner on Your Own
8:00 pm	Group Social Event



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Wednesday, October 16th (Day Three)

7:30 am - 8:30 am	Breakfast
8:30 am - 9:30 am	Cancer Center Director Keynote: Dr. Neli Ulrich, Huntsman Cancer Institute, University of Utah -- A Unique Multilevel Data-Environment to Leverage Intersections Between Informatics, Data Science and Population Science
9:30 am - 10:30 am	Updates from Cancer Centers on Shared Resources -- TBN <ul style="list-style-type: none">✓ Summary of Shared Resource Work✓ Overlap Between CTSA and CCSG
10:30 am - 11:00 am	<ul style="list-style-type: none">✓ Update on CI4CC initiatives – Drs. Sorena Nadaf and Warren Kibbe✓ Concluding Remarks✓ Spring 2020 Announcements