Cancer Genomics Consortium, 10th Annual Meeting, Preliminary Agenda
August 11 - 14, 2019 • Renaissance Hotel, Nashville, Tennessee

Sunday, August 11th, 2019

Pre-Meeting Workshops
10:00 - 11:30 AM    Bioinformatics: Understanding what’s underneath the hood
11:30 AM - 12:00 PM  Coffee Break in Ballroom Foyer
12:00 - 1:30 PM     Cases, Concepts and Implications to Lab Management
Time TBD            Vendor Workshop (No CME or CEUs available)
                      Automating the Cytogenetics Laboratory
                      Jim Stanchfield

Opening of the 10th Annual Cancer Genomics Consortium
2:30 – 2:35 PM       Welcome
                      Adrian Dubuc, Harvard Medical School
2:35 - 2:45 PM       Presidential Address
                      Min Fang, Seattle Cancer Care Alliance

The Copy Number Landscape: Importance, Implications and New Approaches
2:45 – 3:00 PM       Introduction
3:00 - 3:15 PM       Building a Pretreatment Risk - Stratification Model for Follicular Lymphoma
                      with Genomic Alterations and Clinical Parameters
                      Xiaoyu Qu, Fred Hutchinson Cancer Research Center
3:15 - 3:30 PM       Non-Random Distribution of Copy Number Variants in Hematologic
                      Neoplasms with Chromothripsis
                      Madina Sukhanova, Northwestern University Feinberg School of Medicine
3:30- 3:45 PM        Integrated Whole-Genome Sequencing and Bioinformatics Analysis for
                      Copy Number Profiling Identifies a Recurrent Alteration Associated with
                      Poor Survival in Stage III Colorectal Cancer
                      Charlie Xia, Stanford University School of Medicine
3:45 - 4:30 PM       Vendor Showcase (No CME or CEUs available)
Diagnostic Approaches to CNS Tumors

5:00 - 5:30 PM  A Contemporary Molecular View of Diffuse Gliomas with Implications for Diagnosis and Treatment
Dan Brat, Northwestern University Feinberg School of Medicine

5:30 - 5:45 PM  Molecular Characterizations of Adult Diffuse Gliomas by the Oncoscan CNV Plus Assay and Next-Generation Sequencing (NGS)
Xinyan Lu, Northwestern University Feinberg School of Medicine

5:45 - 6:00 PM  Detecting Mutations in Cerebrospinal Fluid: Liquid Biopsy for Diagnosis of Central Nervous System Metastases
Mauli Shah, University of Texas MD Anderson Cancer Center

6:00 - 6:15 PM  Expansion of the Validation of Illumina MethylationEPIC BeadChip for Medulloblastoma (MB) Subgrouping and Copy Number Analysis Across Institutions and Results from the Initial 47 Clinical Cases
Teresa Smolarek, Cincinnati Children's Hospital Medical Center

7:00 - 9:00 PM  Opening Reception & Celebration: 10 Years of the Cancer Genomics Consortium

Myeloid Malignancies: Present and Evolving Approaches

8:30 - 8:45 AM  Additional Structural Chromosomal Abnormalities Have a Negative Prognostic Effect in Patients with inv(16)/t(16;16) Acute Myeloid Leukemia (AML)
Zhenya Tang, University of Texas MD Anderson Cancer Center

8:45 - 9:00 AM  Mate Pair Sequencing Characterization of 5q/7q Co-Deleted Acute Myeloid Leukemia: A Prospective Study to Discover Novel Co-Abnormalities in Complex Karyotypes
Beth Pitel, Mayo Clinic

9:00 - 9:30 AM  Next Generation Sequencing for Myeloid Neoplasms: A Diagnostic Management Team Approach
Adam Seegmiller, Vanderbilt University School of Medicine

9:30 - 10:30 AM  Keynote Presentation: Biological Heterogeneity of AML: Implications for Prognosis and Treatment
Clara D. Bloomfield, MD, Ohio State University

10:30 - 11:15 AM  Coffee Break in Exhibit Hall

11:15 AM - 12:00 PM  Vendor Showcase (No CME or CEUs available)

The Era of Personalized Medicine: Detection and Reporting of 'Actionable' Alterations

12:00 - 12:15 PM  The Spectrum of NTRK Fusion-Associated Pediatric Tumors
Xiaonan Zhao, Children's Hospital of Philadelphia
12:15 - 12:30 PM  MCG 2.0: A Highly Curated, Scalable Precision Cancer Medicine Resource  
Marilyn Holt, Vanderbilt-Ingram Cancer Center

12:30 - 12:45 PM  Provider Notification for New Oncology Approvals for Biomarker-Driven Therapies  
Neha Jain, Vanderbilt Ingram Cancer Center

12:45 – 1:00 PM  TBD

1:00 - 2:00 PM  Buffet Lunch in Exhibit Hall and Foyer

2:00 - 2:45 PM  Panel Discussion: Cancer Microarrays

Next Generation Structural Variation: from Diagnostic to Discovery

2:45 - 3:00 PM  NGS-Based Detection of Translocations in Plasma Cell Myeloma  
Linda Baughn, Mayo Clinic

3:00 - 3:15 PM  Comprehensive Diagnostic and Discovery Platform for Translocation Renal Cell Carcinomas Using AMP/RNA-seq  
Yajuan Liu, University of Washington

3:15 - 3:30 PM  Comparison of Four Next Generation Sequencing Platforms in Fusion Detection: Oncomine by ThermoFisher, AmpliSeq by Illumina, FusionPlex by ArcherDX, and QIAseq by Qiagen  
Xiaoyu Qu, Seattle Cancer Care Alliance

3:30 – 3:45 PM  TBD

3:45 - 4:15 PM  Coffee Break in Exhibit Hall

Clinical Experiences from Molecular Profiling

4:15 - 4:30 PM  Utility of OncoScan Array Testing to Advance Clinical Characterization of Renal Neoplasms  
Edward Hughes, Dartmouth-Hitchcock Medical Center

4:30 - 4:45 PM  Molecular Profiling of Gynecologic Cancers – Clinical Experience Evaluating ~80 Cases for Treatment and Management of Disease  
Qian Nie, The Jackson Laboratory

4:45 - 5:00 PM  The Melbourne Genomics Health Alliance Lymphoma Flagship  
Greg Corboy, University of Melbourne

5:00 – 5:30 PM  TBD

5:30 - 7:30 PM  Poster Viewing Session with Cash Bar in Exhibit Hall

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Tuesday, August 13th, 2019

Immunotherapy and Biomarkers

8:30 - 8:45 AM  Unexpected Karyotype Findings and Lineage Switching During Anti-CD19 CAR-T Immunotherapy for Lymphoid Malignancies  
Kate Kroeger, Seattle Cancer Care Alliance

8:45 - 9:00 AM  Using Blood-Based Gene Expression Profiling to Assess Responsiveness to Immunotherapy of Advanced Non-Small-Cell Lung Cancer  
Jie Wu, Philips Research North America
9:00 - 9:15 AM  Correcting Neoantigens by Accounting for Proximal Variants  
Jasreet Hundal, Washington University School of Medicine

9:15 – 9:30 PM  TBD

9:30 - 10:30 AM  Keynote Presentation: Clinical computational oncology for precision cancer medicine  
Eli Van Allen, Dana-Farber/Partners Cancer Care, Harvard Medical School and Broad Institute of MIT

10:30 - 11:15 AM  Coffee Break in Exhibit Hall

11:15 AM - 12:00 PM  Vendor Showcase (No CME or CEUs available)

12:00 - 12:30 PM  Special Presentation: What the CGC Can Do for You!

12:30 - 2:15 PM  Round Table Discussions with Lunch  
Please sign up for table topics during conference registration.

The 'Omic' Horizon: New Considerations for Genomic Testing

2:15 - 2:30 PM  Standardization and Systematization of Somatic Variant Refinement Using a Standard Operating Procedure and Deep Learning  
Erica Barnell, Washington University School of Medicine

2:30 - 2:45 PM  Ultra-Deep Sequencing of Classical Hodgkin Lymphoma (cHL) Reveals Novel Somatic Mutations and Exemplifies the Utility of Deep Sequencing in the Characterization of Rare Malignant Cells  
Felicia Gomez, Washington University School of Medicine

2:45 - 3:00 PM  Identification of Recurrent, Non-Coding Mutations Across Breast Cancer Molecular Subtypes  
Kelsy Cotto, Washington University School of Medicine

3:00 - 3:15 PM  Towards a Clinical Grade NGS Assay for DNA Hypermethylation in Prostate Cancer  
Palak Patel, Queen's University

3:15 - 3:30 PM  Uncovering the Genetic Etiology of Inherited Bone Marrow Failure Syndromes Using a Custom-Designed NGS Panel  
Fumin Lin, Children's Hospital of Philadelphia

3:30 - 4:00 PM  Coffee Break in Exhibit Hall

4:00 - 4:45 PM  Vendor Showcase: (No CME or CEUs available)

Updates to Guidelines for CNV Interpretation

4:45 - 5:10 PM  Standards for the Classification and Reporting of Constitutional Copy Number Variants: A ClinGen/ACMG Joint Consensus Recommendation  
Erin Riggs, Geisinger

5:10 - 5:30 PM  ACMG/CGC Technical Laboratory Standards for Interpretation and Reporting of Acquired Copy Number Abnormalities (CNAs) and Copy-Neutral Loss of Heterozygosity (CN-LOH) in Neoplastic Disorders  
Gordana Raca, Children’s Hospital Los Angeles, University of Southern California
5:30 - 6:00 PM  Interactive Session: ‘CNV classification’

Optional Social Activities
(Sign up for activities during conference registration. Some activities require additional payment.)

- A Night at the Grand Ole Opry
- Downtown Tour on the Nashville Pedal Tavern
- CGC Social: Experience the Broadway Street Nightlife with Your Colleagues

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Wednesday, August 14th, 2019

The Balancing Act: Cost Versus Effectiveness of Genomic Testing
8:30 - 8:45 AM  Clinical Use of a Rapid and Targeted NRAS-BRAF Mutation Test for Melanoma Samples; When and If to Reflex to Next Generation Sequencing
Lauren Petersen, Dartmouth-Hitchcock Medical Center

8:45 - 9:00 AM  Detection of Gene Fusions in Sarcomas is Improved by Targeted Anchored Multiplex PCR Based Next Generation Sequencing
Ruthann Pfau, Nationwide Children’s Hospital

9:00 - 9:30 AM  The PT Alphabet Soup: LDT, FDA, NGS, Non-NGS, @#$!%
Annette Kim, Brigham and Women’s Hospital, Harvard Medical School

9:30 - 10:30 AM  Keynote Presentation: Population Genomic Screening Experience at Geisinger Strongly Supports Routine Genomic Screening for HBOC and Lynch Syndrome
David H. Ledbetter, Geisinger

10:30 - 11:15 AM  Coffee Break in Exhibit Hall

Curation of the Genome

11:15 - 11:30 AM  A New Somatic Variation Model Enables Precise Search Strategies for Clinical Interpretations of Patient Tumors
Alex Wagner, Washington University School of Medicine

11:30 - 11:45 AM  Aggregating Evidence to Determine the Clinical Significance of Cancer Variants in the CIViC Knowledgebase
Kilannin Krysiak, Washington University School of Medicine

11:45 AM - 12:00 PM  Curation of Variants Associated with Pediatric Tumors Within the Clinical Genome Resource (ClinGen)
Gordana Raca, Children’s Hospital Los Angeles, University of Southern California

12:00 - 12:30 PM  CGC 2019 Business Meeting

Closing Remarks