Cancer Genomics Consortium, 12th Annual Meeting, *Preliminary Agenda*
August 1 - 4, 2021

The CGC 2021 Virtual Annual Meeting will be presented in the eastern daylight times (EDT) shown below.

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**Sunday, August 1, 2021**

**Opening of the 12th Annual Cancer Genomics Consortium**

11:30 AM  **Welcome**  Patricia M. Miron, *UMass Memorial Medical Center*

11:35 AM – 12:35 PM  **Keynote Presentation**  
*Deciphering oncohistone pathogenesis in cancer*
Nada Jabado, *McGill University*

*Introduction*: Patricia M. Miron, *UMass Memorial Medical Center*

**Speaker Q&A**

12:35 – 1:20 PM  **Diamond Vendor Showcase: Illumina**  
(No CME or CEUs available)

1:20 – 1:25 PM  **Break: Announcements**

1:25 – 2:25 PM  **CGC Session 1: Brain Tumors - Molecular Landscape and Emerging Targets**  

**Moderator**: *TBD*

*Clinicopathologic analysis of gliomas harboring ROS1 gene rearrangements*
Linda Cooley, *University of Missouri Kansas City Medical School*

*TERT and MGMT RNA sequencing gene expression correlation with mutational/methylation promoter status in brain tumors*
Cristiane Ida, *Mayo Clinic*

*Optical genome mapping reveals novel structural variants in in pediatric high grade gliomas*
Miriam Bornhorst, *Children’s National Hospital*
Glioblastomas with MAPK pathway alterations show low grade histologic features and present novel therapeutic targets
David Meredith, Brigham and Women’s Hospital

Session Q & A

2:25 – 2:50 PM  Platinum Vendor Showcase: Qiagen
(No CME or CEUs available)

2:50 – 3:00 PM  Break: Announcements

Workshops (There is an additional registration fee to attend the workshops)

3:00 – 4:30 PM  CGC Workshop A: Visualization and interpretation tools/resources for structural genomic variants
Speakers Coming Soon!

4:30 – 4:40 PM  Break: Announcements

4:40 – 6:10 PM  CGC Workshop B: Case-based discussion of updates in cytogenetic and molecular nomenclature, interpretation and reporting standards, and interpretation resources for cancer variants
Speakers Coming Soon!

6:15 – 7:15 PM  Early Career / New Director Event

Monday, August 2, 2021

10:00 - 10:10 AM  Presidential Address
Yassmine Akkari, Legacy Health

10:10 – 11:10 AM  CGC Session 2: New Strides in Technology
Moderator: TBD

Clinical laboratory validation of TCR-seq for detection of clonality
Jane Houldsworth, Icahn School of Medicine at Mount Sinai

Emerging clinically-relevant applications of ultra-sensitive mutation detection
Lei Wei, Roswell Park Comprehensive Cancer Center

Adoption of optical genome mapping in clinical cancer cytogenetics laboratory: A stepwise approach
Victoria Stinnett, The Johns Hopkins University

Rapid clinical BRAF V600 mutation testing using Idylla Platform
Meenakshi Mehrotra, Icahn School of Medicine at Mount Sinai

Session Q & A

11:10 AM  Gold Vendor Showcase: FujiFilm Irvine Scientific

11:15 - 11:35 AM  Break: Announcements
11:35 AM - 12:35 PM  Keynote Presentation
Global views of cell lineage in metastasis and development
Jay Shendure, University of Washington
Introduction: Cinthya Zepeda, ARUP
Speaker Q&A

12:35 – 1:20 PM  Diamond Vendor Showcase: Bionano Genomics
(No CME or CEUs available)

1:20 – 2:35 PM  Lunch Break / Exhibit Hall Open

2:35 – 3:20 PM  Invited Speaker
The next generation of cytogenetics and molecular genetics in leukemia diagnostics
Torsten Haferlach, Munich Leukemia Laboratory
Introduction: Rashmi Kanagal-Shamanna, MD Anderson
Speaker Q&A

3:20 PM  Gold Vendor Showcase: ADS Biotec

3:25 – 4:10 PM  CGC Session 3: New Molecular Insights into Myeloid Hematologic Malignancies
Moderator: TBD
ETV6-PDGFRA fusions detected by FISH in acute myeloid leukemia with translocation t(4;12)(q12;p13) are false positive
Sarah Mueller, Massachusetts General Hospital
SNP microarray analysis of over 7,500 myeloid patients: Implications, importance and suggestions for standard of care
Stuart Schwartz, Laboratory Corporation of America
Optical genome mapping for chromosomal structural variants analysis in hematological malignancies
Rashmi Kanagal-Shamanna, MD Anderson Cancer Center
Session Q & A

4:10 – 4:35 PM  Platinum Vendor Showcase: SOPHiA Genetics (No CME or CEUs available)

4:35 – 5:40 PM  Exhibit Hall Open

5:40 – 6:25 PM  CGC Session 4: Integrating Genomics into Constitutional Analysis
Moderator: TBD
Cancer cytogenomic array analysis reveals origin of ovarian teratoma and reproductive lessons learned from it
Lina Shao, University of Michigan
Next-generation cytogenetics: Proposal for a cost-effective approach for comprehensive testing of prenatal cases
Nikhil Sahajpal, Augusta University
Deletions resulting in Brachydactyly Mental Retardation Syndrome (BDMR): Multiple contributing regions in distal 2q37?
Aiko Otsubo, Indiana University

Session Q & A

6:25 PM  Gold Vendor Showcase: Global Alliance for Genomics & Health

6:30 – 6:50 PM  Panel-Based Discussion: Navigating the evolution of cytogenetics

Tuesday, August 3, 2021

10:00 – 11:00 AM  CGC Session 5: Database Curation and Mining
Moderator: TBD

Standard procedure for the curation and maintenance of cancer-specific gene lists
Beth A. Pitel, Mayo Clinic

Enhancement of pediatric cancer curation and representation through expert-guided data mining and ontology refinement
Jason Saliba, Washington University School of Medicine

Multi-consortia initiative to standardize the representation and curation of oncogenic fusions
Alex Wagner, Nationwide Children’s Hospital

Progenetix – An open reference resource for copy number variation data in cancer
Michael Baudis, Universität Zürich

Session Q & A

11:00 AM  Gold Vendor Showcase: The Jackson Laboratory

11:05 – 11:50 AM  Invited Speaker
Title coming soon!
Subha Madhavan, Georgetown University

Introduction: Obi Griffith, Washington University

Speaker Q&A

11:50 AM – 12:35 PM  Diamond Vendor Showcase: Agilent Technologies
(No CME or CEUs available)

12:35 – 1:20 PM  Lunch Break / Exhibit Hall Open

1:20 – 2:15 PM  Roundtable Breakout Sessions – Topic list available online
Please make your selection during registration – only 16 spaces are available in each discussion topic

2:15 – 3:15 PM  Keynote Presentation
Towards population genomic screening for cancer susceptibility
Leslie G. Biesecker, National Human Genome Research Institute

Introduction: TBD

Speaker Q&A
3:15 PM  Gold Vendor Showcase: Geneoscopy

3:20 – 4:05 PM  CGC Session 6: Genetic Spectrum of Vascular Anomalies and Overgrowth Syndromes
Moderator: TBD

Genomic structural variations in lymphatic anomalies
Thuy Phung, University of South Alabama

Diagnostic utility and lessons learned from deep sequencing vascular malformations
Candace Myers, Seattle Children’s Hospital

Co-existence of two activating variants in somatic overgrowth and vascular anomalies: 7 years' findings at a single center
Yang Cao, Washington University School of Medicine

Session Q & A

4:05 – 4:30 PM  Platinum Vendor Showcase: Natera
(No CME or CEUs available)

4:30 – 5:30 PM  Exhibit Hall Open

5:30 – 6:15 PM  CGC Session 7: Advances in the Analysis of Hematologic Malignancies
Moderator: TBD

Characterization of atypical iAMP21 observed in B-Lymphoblastic Leukemia (B-ALL): a retrospective study from Mayo Clinic
Alaa Koleilat, Mayo Clinic

Complementarity of RNA sequencing and optical genome mapping in detection of rare fusions in pediatric B-ALL
Gordana Raca, Children’s Hospital Los Angeles

Archer system copy number alteration caller: User experience
Celeste Eno, Cedars-Sinai Medical Center

Session Q & A

6:15 – 6:45 PM  From oncology to pathology and genomics and back again: A 360-degree perspective on a unique B-cell leukemia
Adrian Dubuc, Jacqueline Garcia, and Gabriel Griffin, Brigham and Women’s Hospital

6:45 – 8:00 PM  After Hours Social

Wednesday, August 4, 2021

10:00 – 11:00 AM  CGC Session 8: Hereditary Cancer/Cancer Predisposition
Moderator: TBD

Large scale analysis in Von Hippel-Lindau disease
Kristen Farncombe, University Health Network
Co-occurrence of rosette-forming glioneuronal tumors with Noonan syndrome
Marilena Melas, Nationwide Children’s Hospital

10-year retrospective analysis of BRCA germline mutation in multiethnic gynecologic patients form a U.S. cancer center
Christina Wei, City of Hope National Medical Center

Identification of TP53 germline variants in pediatric patients undergoing tumor testing
Minjie Luo, Children’s Hospital of Philadelphia

Session Q & A

11:00 AM Gold Vendor Showcase: Oxford Nanopore

11:05 – 11:35 AM Break: Announcements

11:35 AM – 12:35 PM Keynote Presentation
Proteogenomics as a driver for discovery of biomarkers and therapeutic targets in cancer
Kojo S. J. Elenitoba-Johnson, University of Pennsylvania

Introduction: Yassmine Akkari, Legacy Health
Speaker Q&A

12:35 – 1:20 PM Diamond Vendor Showcase: Thermo Fisher Scientific
(No CME or CEUs available)

1:20 – 2:35 PM Lunch Break / Exhibit Hall Open

2:35 PM Gold Vendor Showcase: BioDot

2:40 – 3:30 PM CGC Session 9: Updates from the CGC
Moderator: Yassmine Akkari, Legacy Health

Launching a CGC initiative to support trainees and early career members:
Survey results and analysis
Kilannin Krysiak, Washington University School of Medicine

Perspectives in Genetic Counseling
Speaker TBD

The Compendium of Cancer Genome Aberrations (CCGA): Becoming a global hub for clinical interpretation
Jennelle Hodge, Indiana University

CGC PACC report: New initiatives and future directions
Rashmi Kanagal-Shamanna, MD Anderson

3:30 – 3:55 PM Platinum Vendor Showcase: Oxford Gene Technology
(No CME or CEUs available)

3:55 – 4:25 PM CGC Session 10: Bioinformatics: Applications and Development
Moderator: TBD

A cost-effective bioinformatics triage strategy for testing PMS2 short-read next generation sequencing
Wei Shen, Mayo Clinic
Computer-aided cytogenomic classification of renal cell carcinoma

**Session Q & A**

**4:25 PM**  Gold Vendor Showcase: MetaSystems

**4:30 – 5:30 PM**  Exhibit Hall Open

**5:30 – 6:30 PM**  CGC Session 11: Unravelling Solid Tumors with Genomic Technologies

**Moderator:** *TBD*

Clinical utility and feasibility of adopting optical genome mapping for chromosomal characterization of solid tumors
Nikhil Sahajpal, *Augusta University*

Tumor cellularity estimation in a targeted NGS panel of tumor-only specimens expands analytical utility
Stephanie Siegmund, *Brigham and Women’s Hospital*

A molecular and clinicopathologic analysis of primary intracranial sarcomas
Zahra Aldawood, *Harvard School of Dental Medicine*

Atypical FISH patterns clarified by RNAseq in solid tumor specimens
Beth A. Pitel, *Mayo Clinic*

**Session Q & A**

**6:30 – 7:00 PM**  CGC 2021 Business Meeting and Closing Remarks