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.

**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** *(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 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 (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

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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 - 11:30 AM  Break: Announcements
11:30 AM - 12:30 PM  Keynote Presentation
Global views of cell lineage in metastasis and development
Jay Shendure, University of Washington

Introduction: Cinthya Zepeda, ARUP
Speaker Q&A

12:30 – 1:15 PM  Diamond Vendor Showcase (No CME or CEUs available)

1:15 – 2:30 PM  Lunch Break / Exhibit Hall Open

2:30 – 3:15 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

3:15 – 4:00 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

4:00 – 4:25 PM  Platinum Vendor Showcase (No CME or CEUs available)

4:25 – 5:30 PM  Exhibit Hall Open

5:30 – 6:15 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

6:15 – 6:45 PM  Panel-Based Discussion: Navigating the evolution of cytogenetics
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 – 11:45 AM  Invited Speaker
Title coming soon!
Subha Madhavan, Georgetown University

Introduction: Obi Griffith, Washington University

Speaker Q&A

11:45 AM – 12:30 PM  Diamond Vendor Showcase (No CME or CEUs available)

12:30 – 1:15 PM  Lunch Break / Exhibit Hall Open

1:15 – 2:10 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 – 4:00 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

4:00 – 4:25 PM  Platinum Vendor Showcase *(No CME or CEUs available)*

4:25 – 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

Architect 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 – 11:30 AM  Break: Announcements
11:30 AM – 12:30 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**

12:30 – 1:15 PM  **Diamond Vendor Showcase** *(No CME or CEUs available)*

1:15 – 2:30 PM  Lunch Break / Exhibit Hall Open

2:30 – 3:20 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  
Jenelle Hodge, *Indiana University*  
**CGC PACC report: New initiatives and future directions**  
Rashmi Kanagal-Shamanna, *MD Anderson*

3:20 – 3:45 PM  **Platinum Vendor Showcase** *(No CME or CEUs available)*

3:45 – 4:15 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**

4:15 – 5:15 PM  **Exhibit Hall Open**

5:15 – 6:15 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

6:15 – 6:45 PM  CGC 2021 Business Meeting and Closing Remarks