



## Cancer Genomics Consortium, 12<sup>th</sup> 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 12<sup>th</sup> Annual Cancer Genomics Consortium

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|----------------------------|--|
| <b>11:30 AM</b>            | <p><b>Welcome</b><br/>Patricia M. Miron, <i>UMass Memorial Medical Center</i></p>  |
| <b>11:35 AM – 12:35 PM</b> | <p><b>Keynote Presentation</b><br/><b>Deciphering oncohistone pathogenesis in cancer</b><br/>Nada Jabado, <i>McGill University</i><br/><b>Introduction:</b> Patricia M. Miron, <i>UMass Memorial Medical Center</i><br/><b>Speaker Q&amp;A</b></p>   |
| <b>12:35 – 1:20 PM</b>     | <p><b>Diamond Vendor Showcase: Illumina</b><br/><i>(No CME or CEUs available)</i></p>  |
| <b>1:20 – 1:25 PM</b>      | <p><b>Break: Announcements</b></p>   |
| <b>1:25 – 2:25 PM</b>      | <p><b>CGC Session 1: Brain Tumors - Molecular Landscape and Emerging Targets</b><br/><b>Moderator:</b> <i>TBD</i></p> <p><b>Clinicopathologic analysis of gliomas harboring ROS1 gene rearrangements</b><br/>Linda Cooley, <i>University of Missouri Kansas City Medical School</i></p> <p><b>TERT and MGMT RNA sequencing gene expression correlation with mutational/methylation promoter status in brain tumors</b><br/>Cristiane Ida, <i>Mayo Clinic</i></p> <p><b>Optical genome mapping reveals novel structural variants in in pediatric high grade gliomas</b><br/>Miriam Bornhorst, <i>Children's National Hospital</i></p> |

**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**  
Yasmine 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: Bionano Genomics**  
*(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-PDGFR<sub>A</sub> 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: SOPHiA Genetics** *(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

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 – 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: Agilent Technologies**

*(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: Natera**

*(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*

**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 from 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:** Yasmine Akkari, *Legacy Health*  
**Speaker Q&A**
- 12:30 – 1:15 PM**      **Diamond Vendor Showcase: Thermo Fisher Scientific**  
*(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:** Yasmine 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*
- 3:20 – 3:45 PM**      **Platinum Vendor Showcase: Oxford Gene Technology**  
*(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**  
Soheil Shams, *BioDiscovery, Inc.*
- 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**