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
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 – 11:30 AM  Break: Announcements
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location/Details</th>
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<tbody>
<tr>
<td>11:30 AM – 12:30 PM</td>
<td><strong>Keynote Presentation</strong>&lt;br&gt;Proteogenomics as a driver for discovery of biomarkers and therapeutic targets in cancer&lt;br&gt;Kojo S. J. Elenitoba-Johnson, <em>University of Pennsylvania</em></td>
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<td><strong>Introduction:</strong> Yassmine Akkari, <em>Legacy Health</em></td>
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<td>12:30 – 1:15 PM</td>
<td><strong>Diamond Vendor Showcase</strong> <em>(No CME or CEUs available)</em></td>
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<td>1:15 – 2:30 PM</td>
<td><strong>Lunch Break / Exhibit Hall Open</strong></td>
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<td>2:30 – 3:20 PM</td>
<td><strong>CGC Session 9: Updates from the CGC</strong>&lt;br&gt;<em>Moderator:</em> Yassmine Akkari, <em>Legacy Health</em></td>
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<td>Launching a CGC initiative to support trainees and early career members:&lt;br&gt;Survey results and analysis&lt;br&gt;Kilannin Krysiak, <em>Washington University School of Medicine</em></td>
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<td><strong>Perspectives in Genetic Counseling</strong>&lt;br&gt;<em>Speaker TBD</em></td>
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<td><strong>The Compendium of Cancer Genome Aberrations (CCGA): Becoming a global hub for clinical interpretation</strong>&lt;br&gt;Jenelle Hodge, <em>Indiana University</em></td>
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<td><strong>CGC Session 10: Bioinformatics: Applications and Development</strong>&lt;br&gt;<em>Moderator: TBD</em></td>
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<td>A cost-effective bioinformatics triage strategy for testing PMS2 short-read next generation sequencing&lt;br&gt;Wei Shen, <em>Mayo Clinic</em></td>
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<td>4:15 – 5:15 PM</td>
<td><strong>Exhibit Hall Open</strong></td>
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<td>5:15 – 6:15 PM</td>
<td><strong>CGC Session 11: Unravelling Solid Tumors with Genomic Technologies</strong>&lt;br&gt;<em>Moderator: TBD</em></td>
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<td>Clinical utility and feasibility of adopting optical genome mapping for chromosomal characterization of solid tumors&lt;br&gt;Nikhil Sahajpal, <em>Augusta University</em></td>
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<td>Tumor cellularity estimation in a targeted NGS panel of tumor-only specimens expands analytical utility&lt;br&gt;Stephanie Siegmund, <em>Brigham and Women’s Hospital</em></td>
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<td><strong>A molecular and clinicopathologic analysis of primary intracranial sarcomas</strong>&lt;br&gt;Zahra Aldawood, <em>Harvard School of Dental Medicine</em></td>
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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