CGC Annual Meeting Agenda

Monday, August 6, 2018

8:00 - 8:05 AM  Welcome and Opening Announcements
                Min Fang, University of Washington

8:05 – 8:15 AM  CGC Updates and Initiatives
                President’s Update
                Alan Lennon, PathGroup

8:15 – 9:00 AM  Acute Myeloid Leukemia Diagnostics in the Genomic Era
                Moderator: Alan Lennon, PathGroup
                8:15 - 8:30 AM  Clinical Utility of Mate Pair Sequencing to Detect Diagnostic and Prognostic Chromosomal Rearrangements and Copy Number Changes in Patients with Acute Myeloid Leukemia
                Linda Baughn, Mayo Clinic
                8:30 - 8:45 AM  Distinct Genetic Signature of a High-Risk AML Subgroup with ERG Amplification
                Iya Znoyko, Medical University of South Carolina
                8:45 - 9:00 AM  Building Risk Scores for Evaluating Survival after Hematopoietic Cell Transplantation for AML using Pre-Transplant Cytogenetic Data
                Lue Zhao, Fred Hutchinson Cancer Research Center

9:00 – 10:00 AM  Keynote Address
                  Moderator: Gordana Raca, Children's Hospital Los Angeles
                  Biological Heterogeneity of AML: Implications for Prognosis and Treatment
                  Clara Bloomfield, The Ohio State University Comprehensive Cancer Center, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute

10:00 - 10:25 AM  Coffee / Tea Break, Meeting Vendors

10:25 – 11:35 AM  Bioinformatics, Knowledge Databases and Data Sharing
                  Moderator: Brynn Levy, Columbia University Medical Center
                  10:30 - 10:50 AM  Coordinating Variant Interpretation Knowledgebases Improves Clinical Interpretation of Genomic Variants in Cancers (1st Place Student/Trainee Award)
                        Alex Wagner, Washington University School of Medicine
                  10:50 - 11:05 AM  Progress and Future of the Compendium of Cancer Genome Aberrations (CCGA)
                        Jennelle C. Hodge, Indiana University School of Medicine
                  11:05 - 11:20 AM  Human Ring Chromosome Registry: Developing an Interactive Web Resource for Constitutional and Cancer Cytogenomic Diagnosis
                        Peining Li, Yale School of Medicine
                  11:20 - 11:35 AM  Data and Knowledge Sharing to Improve Patient Care: The VICC and MCG Experience
                        Ingrid Anderson, Vanderbilt-Ingram Cancer Center
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11:35 - 12:20 PM Vendor Showcase: ThermoFisher

12:20 - 1:25 PM Lunch with Vendors and Poster Viewing

1:25 - 1:30 PM Case Puzzler - Guess the Abnormality to Win a Prize!
Moderator: Teresa Smolarek, Cincinnati Children’s Hospital Medical Center

1:30 - 2:30 PM The Business Challenges and Opportunities of Genomic Testing
Moderators: Xinjie Xu, ARUP Laboratories and Hutton Kearney, Mayo Clinic
  1:30 - 2:00 PM Perspectives on Genomic Procedure Coding, Coverage and Reimbursement
    Aaron D. Bossler, University of Iowa Hospitals and Clinics
  2:00 - 2:15 PM A Comparative Analysis of Reimbursement for Molecular Pathology Testing for Neoplasia (Honorary Mention - Technologist Award)
    Melissa Chiu, Seattle Cancer Care Alliance
  2:15 - 2:30 PM Integrating Clinical Microarray Analyses in the Myeloma Diagnostic Workup: Rationale for Improving Patient Care with Precision Medicine While Reducing Overall Cost of Testing
    Joyce Murata-Collins, City of Hope National Medical Center

2:30 - 3:30 PM Genomics of Pediatric Malignancies
Moderators: Carrie Fitzpatrick, University of Chicago and Xinyan Lu, Northwestern University Feinberg School of Medicine
  2:30 - 2:45 PM Comprehensive Genomic Characterization of Pediatric B-ALL
    Minjie Luo, Children's Hospital of Philadelphia
  2:45 - 3:00 PM Utilization of Multimodality Testing Data to Develop an Optimal Diagnostic Algorithm for Pediatric Leukemia
    Gordana Raca, Children’s Hospital Los Angeles
  3:00 - 3:15 PM Pediatric Oncology Testing in the Front-Line Setting: Utility of the CHLA OncoKids Panel
    Jaclyn Biegel, Children’s Hospital Los Angeles
  3:15 - 3:30 PM Clinical Application of Whole-Genome Arrays in Diagnostic Studies of Pediatric Solid Tumors
    Lina Shao, University of Michigan

3:30 - 3:55 PM Dessert / Poster Viewing and Voting / Break with Vendors

3:55 - 4:00 PM Case Puzzler - Guess the Abnormality to Win a Prize!
Moderator: Teresa Smolarek, Cincinnati Children’s Hospital Medical Center

4:00 - 5:00 PM Cancer Genomics of Hematologic Malignancies
Moderators: Lina Shao, University of Michigan and Rashmi Kanagal-Shamanna, M.D. Anderson Cancer Center
  4:00 - 4:15 PM A Novel Cytogenomic Approach to Diagnosis of Plasma Cell Neoplasms
    Mahmoud Aarabi, Medical Genetics & Genomics Laboratories, Magee-Womens Hospital of UPMC
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4:15 - 4:30 PM  Genomic and Clinical Characterization of Early T-cell Precursor Acute Lymphoblastic Lymphoma (ETP-LBL)
Xinjie Xu, ARUP Laboratories

4:30 - 4:45 PM  Australian AIEOP-BFM 2009 Acute Lymphoblastic Leukemia High-Risk Findings –Enrichment of IKZF1 Deletions and Other Curious Findings
Nadine Berry, Molecular Medicine, NSW Health Pathology

4:45 - 5:00 PM  Application of Next-Generation Sequencing in Diagnosis of Patients with MDS and AML
Jing Li, The First Affiliated Hospital of Xi’an Jiaotong University

5:00 - 8:00 PM  Opening Reception with Vendors / Poster Session
(Odd-numbered Poster Authors Attend the Posters and Answer Questions 7:00-8:00pm)

Tuesday, August 7, 2018

7:55 - 8:00 AM  Case Puzzler - Guess the Abnormality to Win a Prize!
Moderator: Teresa Smolarek, Cincinnati Children’s Hospital Medical Center

8:00 - 9:00 AM  Collaborations for Best Practice
Moderator: Daynna Wolff, Medical University of South Carolina

8:00 - 8:15 AM  ALLELE: A Consortium for Prospective Genomics and Functional Diagnostics to Guide Patient Case and Trial Analysis in Newly-Diagnosed Glioblastoma
Adrian M. Dubuc, Dana-Farber/Brigham and Women’s Cancer Center, Harvard Medical School

8:15 - 8:30 AM  Evidence-Based Review of Genomic Aberrations in B- and T-ALL: Strategy and Progress of CGC ALL Working Groups
Matthew Meredith, University of Minnesota, Twin Cities
Yassmine Akkari, Legacy Health

8:30 - 8:45 AM  Current Concepts in Breast Cancer Genomics: An Evidence Based Review from The Cancer Genomics Consortium (CGC) Breast Cancer Workgroup
Katherine Geiersbach, Mayo Clinic

8:45 - 9:00 AM  Cancer Curation in the Clinical Genome Resource (on behalf of the ClinGen Somatic Working Group)
Gordana Raca, Children’s Hospital Los Angeles

9:00 - 10:00 AM  Keynote Address
Moderator: Adrian M. Dubuc, Dana-Farber/Brigham and Women’s Cancer Center, Harvard Medical School
Utilizing Cancer Genomics in Diagnosing and Treating Brain Tumor Patients
Stefan M. Pfister, Hopp Children’s Cancer Center, DKFZ, Heidelberg University Hospital

10:00 - 10:25 AM  Break with Vendors / Poster Viewing and Voting
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10:25 - 10:30 AM  Case Puzzler - Guess the Abnormality to Win a Prize!
                  Moderator: Teresa Smolarek, Cincinnati Children’s Hospital Medical Center

10:30 - 11:20 PM  Novel Methods for Solid Tumor Testing
                  Moderator: Marilyn Li, Children’s Hospital of Philadelphia
                  10:30 - 10:50 AM  Clinical Utility of Integrated Genomic Profiling in Pediatric Brain Tumor (1st Place Technologist Award)
                                     Fumin Lin, Children’s Hospital of Philadelphia
                  10:50 - 11:05 AM  Low-Coverage Whole Genome Sequencing Revealed a Deletion on Chromosome 17p, Carrying TP53, that Suggests Poor Survival in Stage III Colorectal Cancer
                                     Paul Van Hummelen, Stanford University
                  11:05 - 11:20 AM  Integrated Analysis and Clinical Interpretation of CNV, LOH, and Sequence Variants of FFPE Cancer Samples Profiled on a Solid Tumor NGS Panel
                                     Sarah Murray, University of California in San Diego

11:20 - 12:05 PM  Vendor Showcase: Archer

12:05 - 2:00 PM  Break-Out Sessions with Lunch

2:00 - 3:00 PM  Immune Checkpoint Inhibitors, Cancer Immunotherapy, and Predictive Tests
                  Moderators: Yassmine Akkari, Legacy Health and Anwar Iqbal, University of Rochester Medical Center
                  2:00 - 2:30 PM  A Tale of Two Tumors: Marker-Based Patient Selection for Immune Checkpoint Blockade
                                     Scott Tykodi, Fred Hutchinson Cancer Research Center, University of Washington
                  2:30 - 2:45 PM  RNAseq Analysis of PD-L1 Expression in Colorectal and Endometrial Tumors and Correlation with Microsatellite Instability (2nd Place Student/Trainee Award)
                                     Maggie Diguardo, Mayo Clinic
                  2:45 - 3:00 PM  pVACtools: Computational Selection and Visualization of Neoantigens for Personalized Cancer Vaccine Design
                                     Susanna Kiwala, McDonnell Genome Institute, Washington University School of Medicine

3:00 - 3:45 PM  Bioinformatics, Clinical Pipelines, Databases and Data Sharing II
                  Moderator: Obi Griffith, Washington University in St. Louis
                  3:00 - 3:15 PM  Biomarker Driven Clinical Trial Curation and Search
                                     Michele LeNoue-Newton, Vanderbilt-Ingram Cancer Center
                  3:15 - 3:30 PM  Creation, Maintenance, and Utility of a Comprehensive and Informative pa-cancer Gene List to Aid in Interpretation of Whole Genome in Cancer
                                     Beth A. Pitel, Mayo Clinic
                  3:30 - 3:45 PM  Integrating ClinGen Somatic Cancer Variant Description Standards into Crowdsourced Curation Technology via CIViC Database for ClinVar Submission
                                     Arpad Danos, Washington University in St. Louis

3:45 - 4:15 PM  Coffee / Tea Break with Vendors and Poster Viewing / Voting
Tuesday, August 7, 2018, Con’t.

4:15 - 5:00 PM  Vendor Showcase: Agilent

5:00 - 7:00 PM  Happy Hour with Vendors, Cash Bar / Poster Session
                 (Even-numbered Poster Authors Attend the Posters and Answer questions 5:00-6:00pm),

7:00 - 10:00 PM Social Activities (pre-registered; on-site registration also accepted)
                 Dinner-on-your-own

Wednesday, August 8, 2018

7:55 - 8:00 AM  Case Puzzler - Guess the Abnormality to Win a Prize!
                 Moderator: Teresa Smolarek, Cincinnati Children's Hospital Medical Center

8:00 - 9:00 AM  Mechanisms of Disease
                 Moderator: Kai Lee Yap, Children's Hospital of Chicago
                 8:00 - 8:15 AM  Clinical Utility of NGS in the Understanding of Crosstalk Between Nuclear Cancer Genes and
                                 Mitochondrial Genome in Tumorigenesis
                                 Pei Zhao, M.D. Anderson Cancer Center
                 8:15 - 8:30 AM  Transcriptional Alterations to Blood Monocytes in Breast Cancer Reveal Down Regulation of
                                 Anti-Cancer Pathways
                                 Amy Robinson, The University of Edinburgh
                 8:30 - 8:45 AM  Chronic Lymphocytic Leukemia Patients Who Develop Resistance to Bruton Tyrosine Kinase
                                 (BTK) Inhibitors Demonstrate Heterogeneous Patterns of Clonal Evolution
                                 Rashmi Kanagal-Shamanna, M.D. Anderson Cancer Center
                 8:45 - 9:00 AM  Chromosomal Abnormalities Detected in Clinical CMA Testing of Atypical Melanocytic
                                 Proliferation (2nd Place Technologist Award)
                                 Edward Hughes, Dartmouth Hitchcock

9:00 - 10:00 AM  Keynote Address:
                 Moderator: Stuart Schwartz, Laboratory Corporation of America
                 Genetics and Therapy of Myeloid Malignancies
                 Ross Levine, The Laurence Joseph Dineen Chair in Leukemia Research, Memorial Sloan Kettering Institute

10:00 - 10:05 AM  Poster Winners Announcements (1st-3rd Award via Judges Panel)

10:05 - 10:30 AM  Break with Vendors and Chance to Relook at Winning Posters

10:30 - 11:30 AM  Validation, Quality Control and Management, and Interpretation
                 Moderator: Debra Saxe, Emory University
                 10:30 - 10:45 AM  Genome-Wide Mosaicism, Chimerism, and Contamination: Recognizing and Interpreting
                                 Genotyping Patterns from SNP Arrays
                                 Laura K. Conlin, Children's Hospital of Philadelphia
                 10:45 - 11:00 AM  Ploidy and the Array
                                 Jennifer Hauenstein, Emory University Hospital
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11:00 - 11:15 AM  
FDA-Approved Versus Laboratory Developed Test: An Exercise in Comparisons Utilizing UroVysion Evaluation for Bladder Cancer  
Christopher From, University of Washington Medical Center

11:15 - 11:30 AM  
Clinical Validation of Somatic Alterations in Solid Tumors by Next Generation Sequencing  
Xia Li, Sonora Quest Laboratories

11:30 - 12:15 PM  
Vendor Showcase: Illumina

12:15 - 12:30 PM  
CGC Business Meeting  
Introducing the New Board Members and Junior Board Members  
Treasurer Report - Linda Cooley  
Presidential Transition - Alan Lennon

Closing Remarks and Commencement of Meeting  
Min Fang, University of Washington