**Kids First DRC Posters and Presentations**

**April 1, 2019**
Gabriella Miller Kids First Data Resource Center: Harmonizing Clinical and Genomic Data to Support Childhood Cancer and Structural Birth Defect Research
1:00pm-5:00pm; Section 31, 2464 / 4
https://www.abstractsonline.com/pp8/#!/6812/presentation/6063

Genomic Harmonization of the Data Resource Center for the Gabriella Miller Kids First Pediatric Research Program
1:00pm-5:00pm; Section 31, 2465 /5
https://www.abstractsonline.com/pp8/#!/6812/presentation/6064

**April 2, 2019**
Working Together to Put Kids First: Outreach Strategies Driving Collaborative Research, Data Sharing, and Cross-Disease Analysis to Accelerate Discoveries in Pediatric Cancer and Structural Birth Defects
8:00am-12:00pm; Section 29, 3356 / 22
https://www.abstractsonline.com/pp8/#!/6812/presentation/7717

The Pediatric Brain Tumor Atlas - Transforming the Landscape of Research
1:00pm-5:00pm; Section 2, 3667 / 25
https://www.abstractsonline.com/pp8/#!/6812/presentation/3703

**Kids First X01 Investigators Presenting at AACR 2019:**

**March 29, 2019**
Session ED32 - Genetic Predisposition to Childhood Leukemias: Implications for Pathogenesis and Screening; Presentation: The Inherited Susceptibility to Acute Lymphoblastic Leukemia: 10 Years of Genomic Discovery
Jun J. Yang, PhD; St. Jude Children’s Research Hospital
5:15pm-5:40pm; Room A302 - Georgia World CC
https://www.abstractsonline.com/pp8/#!/6812/presentation/6522

**March 31, 2019**
Clinical Genome Sequencing Uncovers Potentially Targetable Truncations and Fusions of MAP3K8 in Spitzoid and Other Melanomas
Kim E. Nichols, MD; St. Jude Children’s Research Hospital
1:00pm-5:00pm; Section 33, 731 / 5
https://www.abstractsonline.com/pp8/#!/6812/presentation/3345
DNA Methylation-Derived Neutrophil-to-Lymphocyte Ratio and Survival Among Pediatric Medulloblastoma Patients
Philip J. Lupo, PhD, MPH; Baylor College of Medicine
8:00am-12:00pm; Section 26, 1575 /14

Identification of Six Novel Candidate miRNAs Associated with Early Relapse in B-Cell Pediatric Acute Lymphoblastic Leukemia
Karen R. Rabin, MD, PhD; Baylor College of Medicine
8:00am-12:00pm; Section 26, 1576 / 15

Loss of Function of GAS7 Promotes Neuroblastoma Metastasis in the Context of MYCN Overexpression
John M. Maris, MD; Children’s Hospital of Philadelphia
1:00pm-5:00pm; Section 41, LB-127 / 3
https://www.abstractsonline.com/pp8/#/6812/presentation/9318

Session AOS01 - Genetic Predisposition in Hematologic Malignancies
Chairperson: Charles G. Mullighan, MBBS(Hons), MSc, MD; St. Jude Children’s Research Hospital
1:00pm; Room B401 - Georgia World Conference Center
https://www.abstractsonline.com/pp8/#/6812/presentation/298
  Presentation: Germline Determinants of Susceptibility and Drug Response in Acute Lymphoblastic Leukemia
  2:00pm-2:25pm
  Charles G. Mullighan, MBBS(Hons), MSc, MD; St. Jude Children’s Research Hospital
  https://www.abstractsonline.com/pp8/#/6812/presentation/8206

Exploring the Complex Etiology of Oncogenic Fusions in Childhood Cancer
Joshua D. Schiffman, MD; Huntsman Cancer Institute
1:00pm-5:00pm; Section 33, 2506 / 2
https://www.abstractsonline.com/pp8/#/6812/presentation/3480

The Hippo Pathway Protein YAP Mediates Resistance to MEK1/2 Inhibition in Neuroblastoma
John M. Maris, MD; Children’s Hospital of Philadelphia
8:00am-12:00pm; Section 6, 2886 / 22
https://www.abstractsonline.com/pp8/#/6812/presentation/3696

Serial Profiling of ctDNA Identifies Clinically Actionable Genomic Evolution in High-Risk Neuroblastoma
Acquisition of Drug Resistance Mutations During Chemotherapy Treatment in Pediatric Acute Lymphoblastic Leukemia
Jun J. Yang, PhD; St. Jude Children’s Research Hospital
8:00am-12:00pm; Section 6, 2872 / 8
https://www.abstractsonline.com/pp8/#/6812/presentation/3661

A Functional POT1 Variant and Risk of Thyroid Subsequent Malignant Neoplasm: A Report from the Childhood Cancer Survivor Study
Philip J. Lupo, PhD, MPH; Baylor College of Medicine
8:00am-12:00pm; Section 19, 3122 / 20
https://www.abstractsonline.com/pp8/#/6812/presentation/5975

Survival Disparities for Second Primary Malignancies Diagnosed Among Childhood Cancer Survivors: A Population-Based Assessment
Philip J. Lupo, PhD, MPH; Baylor College of Medicine
8:00am-12:00pm; Section 27, 3287 / 7
https://www.abstractsonline.com/pp8/#/6812/presentation/1791

Genetic Mechanisms of Primary Chemotherapy Resistance in Pediatric Acute Myeloid Leukemia
Soheil Meshinchi MD, PhD; Rhonda Ries; Fred Hutchinson Cancer Research Center
8:00am-12:00pm; Section 6, 2870 / 6
https://www.abstractsonline.com/pp8/#/6812/presentation/3659

Integrative Mass Spectrometry and RNA-sequencing Identifies DLK1 as a Candidate Immunotherapeutic Target in Neuroblastoma
John M. Maris, MD; Children’s Hospital of Philadelphia
1:00pm-5:00pm; Section 2, 3650 / 8
https://www.abstractsonline.com/pp8/#/6812/presentation/3674

Acetate Supplementation Eliminates Hypoxia Mediated Resistance to Differentiation Therapy in Neuroblastoma Cells
John M. Maris, MD; Children’s Hospital of Philadelphia
1:00pm-5:00pm; Section 10, 3798 / 3
https://www.abstractsonline.com/pp8/#/6812/presentation/1562

Poly(ADP-ribose) Polymerase 1 (PARP-1) Targeting Radionuclides are Highly Cytotoxic Across a Panel of 20 Neuroblastoma Cell Lines
John M. Maris, MD; Children’s Hospital of Philadelphia
1:00pm-5:00pm; Section 15, 3921 / 2
Increased Prevalence of Germline Monoallelic RECQL4 Mutations in Children with Cancer
Kim E. Nichols, MD; Chimene A. Kesserwan, MD; Jamie L. Maciaszek, PhD; St. Jude Children’s Research Hospital
1:00pm-5:00pm; Section 2, 3651 / 9
https://www.abstractsonline.com/pp8/#/I/6812/presentation/3675

Visualize 10,000 Whole-Genomes from Pediatric Cancer Patients on St. Jude Cloud
Kim E. Nichols, MD; St. Jude Children’s Research Hospital
1:00pm-5:00pm; Section 2, 3671 / 29
https://www.abstractsonline.com/pp8/#/I/6812/presentation/3707

Germline Mutations in BRCA2 and Pediatric/Adolescent Non-Hodgkin’s Lymphoma: A Report from the St. Jude Lifetime (SJLIFE) and Childhood Cancer Survivor Study (CCSS) Cohorts
Kim E. Nichols, MD; Chimene A. Kesserwan, MD; St. Jude Children’s Research Hospital
1:00pm-5:00pm; Section 26, 4178 / 23

The Genomic Landscape and Clonal Evolution of Tumours Arising in TP53 Mutation Carriers
Joshua D. Schiffman, MD; Huntsman Cancer Institute
1:00pm-5:00pm; Section 2, 3666 / 24
https://www.abstractsonline.com/pp8/#/I/6812/presentation/3702

April 3, 2019

Re-Evaluating Sample Sizes in Preclinical Testing of Patient-Derived Xenografts
John M. Maris, MD; Children’s Hospital of Philadelphia
8:00am-12:00pm; Section 42, LB-321 / 12
https://www.abstractsonline.com/pp8/#/I/6812/presentation/9345

Medical Radiation Exposure and Risk of Retinoblastoma: A Report from the Children’s Oncology Group
Philip J. Lupo, PhD, MPH; Baylor College of Medicine
8:00am-12:00pm; Section 26, 5039 / 3
https://www.abstractsonline.com/pp8/#/I/6812/presentation/1838

Are Co-Occurring Structural Birth Defects Associated with Risk of Acute Lymphoblastic Leukemia Among Children with Down Syndrome
Philip J. Lupo, PhD, MPH; Sharon E. Plon, MD, PhD; Karen R. Rabin, MD, PhD; Baylor College of Medicine
8:00am-12:00pm; Section 26, 5054 / 18