



Personalizing Pediatric Cancer Care

Innovation Through Collaboration

A hybrid summit | March 10-11, 2022

HOSTED BY THE CANCER CENTER AND
THE DEPARTMENT OF PATHOLOGY &
LABORATORY MEDICINE

 Children's Hospital
of Philadelphia®

Personalizing Pediatric Cancer Care

INFORMATION FOR IN-PERSON ATTENDEES

Summit location:

The Rittenhouse Hotel
210 W. Rittenhouse Square, Philadelphia, PA 19103

Parking:

Valet parking is available at the Rittenhouse Hotel. There are also parking garages and public parking lots within walking distance.

Poster Abstract Presentation

March 10, 2022, at 6 p.m.



Hosted by Children's Hospital of Philadelphia, ranked the #1 pediatric cancer program in the nation for two years in a row by *U.S. News & World Report*.



With our guiding principle of “innovation through collaboration,” we at Children’s Hospital of Philadelphia are thrilled to welcome you to our inaugural summit, “Personalizing Pediatric Cancer Care,” where world-class experts will convene to present on scientific advancements, unpublished data, and precision medicine oncology breakthroughs. From new and novel laboratory diagnostics to cutting-edge therapeutics, to patient advocacy – you’ll be joining other physicians, care providers, researchers, clinical geneticists, and laboratory leaders seeking to advance precision-based medicine in pediatric cancer care.

Topics will include: Hematological malignancies • CNS malignancies • Solid malignancies • Cancer predisposition • Advances in lab diagnostics and genetics • FDA/regulatory updates • Patient advocacy

We look forward to you joining us at this inaugural summit!

John Maris, MD
Children’s Hospital of Philadelphia

Marilyn Li, MD,
Children’s Hospital of Philadelphia

Event Co-chairs

Personalizing Pediatric Cancer Care Innovation Through Collaboration

PROGRAM

Please note: All times listed are Eastern Time
Itinerary subject to change

Thursday, March 10, 2022

7 –7:45 a.m. **Breakfast**
7:45 –8 a.m. **Welcome**
John Maris, MD,
and Marilyn Li, MD

Session 1: Leukemia

Sarah Tasian, MD, and

Kathrin Bernt, MD, Co-Chairs

8 –8:30 a.m. **Targeting High-Risk Leukemia
with Protein Degradation**
Charles Mullighan, MD

8:30–9 a.m. **Precision Targeting of Aberrant
Transcription in Leukemia**
Kathrin Bernt, MD

9–9:30 a.m. **Traveling Along the Bench-to-
Bedside Road of AML CAR T-Cell
Immunotherapy**
Sarah Tasian, MD

9:30 –10 a.m. **Therapeutic Targeting of Non-
Hematopoietic Antigens in AML**
Soheil Meshinchi, MD, PhD

10 –10:15 a.m. **Break**

Session 2: Brain Tumors

Michael Fisher, MD, and

Tom DeRaedt, PhD, Co-Chairs

10:15–10:45 a.m. **Mapping Childhood Brain
Tumors onto Normal Brain
Development for Target
Identification**
Stefan Pfister, MD

10:45–11:15 a.m. **Data Platforms and Networks:
Patient-Centered Discovery
Ecosystems for Accelerated
Discovery**
Adam Resnick, PhD

11:15 a.m.–11:45 p.m. **Longitudinal Analysis of
Medulloblastoma Liquid
Biopsies: Clinical and
Biological Applications**
Paul Northcott, PhD

11:45–1:00 p.m. **Lunch**
*20 minute Lunch & Learn with
Dr. David Solomon
sponsored by Illumina*
**Genome-wide DNA Methylation
Profiling: Transforming pathology
from a microscopic impression to an
exact tumor classification**

Session 3: Regulatory, Lab Diagnostics 1, Advocacy John Maris, MD, Chair

1:00–1:30 p.m. **Leveraging Changes in the
Regulatory Landscape for Pediatric
Cancer Drug Development to
Accelerate Precision Oncology
for Children**
Greg Reaman, MD

1:30–2 p.m. **Recent Advancements in
Cancer Diagnostics**
Todd Druley, MD, PhD

2–2:30 p.m. **Kinase-Altered Mesenchymal
Spindle Cell Tumors: Algorithmic
Approaches for Diagnosis and
Therapeutic Target Identification**
Lea Surrey, MD

2:30–3 p.m. **Beyond RACE for Children Act:
Give Kids a Chance Act to Establish
Combinations of Novel Therapies in
Pediatric Study Plans**
Nancy Goodman, JD

3 –3:15 p.m. **Break**

Session 4: Solid Tumors

Yael Mosse, MD, and
Patrick Grohar, MD, Co-Chairs

3:15–3:45 p.m. **ALK Inhibition for ALK-Driven
Childhood Cancers: A Paradigm for
Precision Medicine**

Yael Mosse, MD

3:45–4:15 p.m. **Genomic Analysis in
Osteosarcoma**

Alejandro Sweet-Cordero, MD

4:15–4:45 p.m. **Interim Report from the
GAIN/ iCat2 Study**

Katie Janeway, MD

4:45–5:15 p.m. **NCI-COG Pediatric MATCH Trial:
Lessons Learned and Next Steps**

Will Parsons, MD, PhD

5:15–5:45 p.m. **Development and Clinical
Translation of EWS-FLI1
Targeted Therapies**

Patrick Grohar, MD

6 p.m. **Reception & Poster Session**

Friday, March 11, 2022

7–8 a.m. **Breakfast**

Session 5: Cancer Predisposition

Suzanne MacFarland, MD, and
Kristin Zelle, MS, CGC, Co-Chairs

8–8:30 a.m. **Cancer Predisposition
Syndromes – Moving from
Syndrome to Spectrum**

Christian Kratz, MD

8:30–9 a.m. **Li-Fraumeni Syndrome:
Examining the Evolution of
Precision Prediction, Prevention
and Therapy in Cancer
Predisposition**

David Malkin, MD

9:00–9:30 a.m. **Next Gen Clinical Cancer Genetics**

Kenan Onel, MD, PhD

9:30–10 a.m. **Genetic Susceptibility to
Neuroblastoma: Recent Discoveries
and Clinical Implications**

Sharon Diskin, PhD

10–10:15 a.m. **Break**

Session 6: Lab Diagnostics 2

Marilyn Li, MD, and
John Maris, MD, Co-Chairs

10:15–10:45 a.m. **Clinical Utility of Mutational
Signatures in Childhood Cancer**

Adam Shlien, PhD

10:45–11:15 a.m. **Transcription Deregulation
Caused by Somatic Non-coding
Variants in Pediatric Cancer**

Jinghui Zhang, PhD

11:15–11:45 a.m. **An Integrated Multi-Omics
Approach for Precision
Cancer Care**

Marilyn Li, MD

11:45 a.m.–12:15 p.m. **Discussion and Wrap-up**
Marilyn Li, MD, and
John Maris, MD

SPEAKERS



Kathrin Bernt, MD,
Children's Hospital of Philadelphia



Thomas DeRaedt, PhD,
Children's Hospital of Philadelphia



Sharon Diskin, PhD,
Children's Hospital of Philadelphia



Todd Druley, MD, PhD,
ANGLE Biosciences



Mike Fisher, MD,
Children's Hospital of Philadelphia



Nancy Goodman, JD,
Kids v Cancer



Patrick Grohar, MD, PhD,
Children's Hospital of Philadelphia



Katie Janeway, MD,
Boston Children's Hospital



Christian Kratz, MD,
Hannover Medical School, Hannover, Germany



Marilyn Li, MD,
Children's Hospital of Philadelphia



Suzanne MacFarland, MD,
Children's Hospital of Philadelphia



David Malkin, MD,
the Hospital for Sick Children, Toronto, Canada



John Maris, MD,
Children's Hospital of Philadelphia



Soheil Meshinchi, MD, PhD,
Fred Hutch Cancer Center



Yael Mosse, MD,
Children's Hospital of Philadelphia



Charles Mullighan, MD,
St. Jude Children's Research Hospital



Paul Northcott, PhD,
St. Jude Children's Research Hospital



Kenan Onel, MD, PhD,
Sema4



Will Parsons, MD, PhD,
Texas Children's Hospital



Stefan Pfister, MD,
Hopp Children's Cancer Center (KiTZ), Heidelberg, Germany



Greg Reaman, MD,
U.S. Food and Drug Administration



Adam Resnick, PhD,
Children's Hospital of Philadelphia



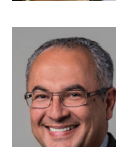
Adam Shlien, PhD,
The Hospital for Sick Children, Toronto



David Solomon, MD, PhD
University of California, San Francisco



Lea Surrey, MD,
Children's Hospital of Philadelphia



Alejandro Sweet-Cordero, MD,
University of California, San Francisco



Sarah Tasian, MD,
Children's Hospital of Philadelphia



Jinghui Zhang, PhD,
St. Jude Children's Research Hospital



©2022 The Children's Hospital of Philadelphia. All rights reserved. 22ONC0496/PDF/1-22

