

# A MOONSHOT FOR CHILDHOOD CANCER

16

JAN  
2016

National Cancer Moonshot Initiative announced at State of the Union

4

APR  
2016

Blue Ribbon Panel assembled to make recommendations on how to advance themes of the Cancer Moonshot

7

SEP  
2016

Blue Ribbon Panel released recommendations

## INCLUDES



28

subject matter experts

3

pediatric cancer experts



7

working groups

1

dedicated to pediatric cancer



10

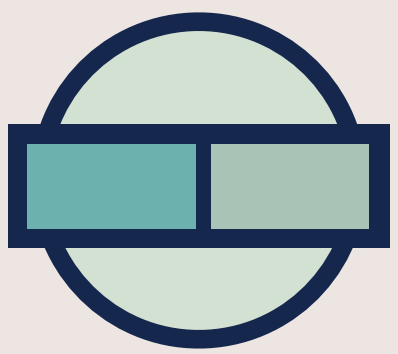
recommendations

1

dedicated to pediatric cancer: focusing on fusion oncoproteins

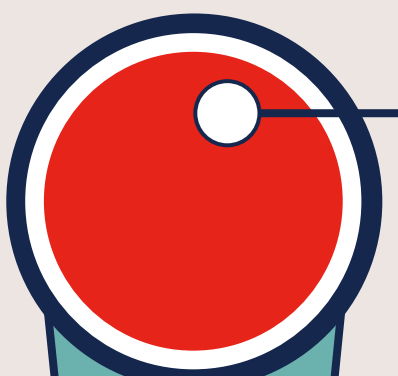
Other recommendations that will affect the field of childhood cancer:

Immunotherapy, cancer prevention and early detection, drug resistance

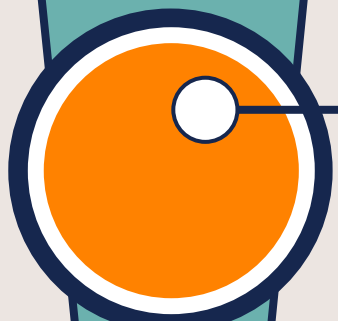


Fusion oncoproteins are critical drivers of many childhood cancers and are created from two genes that have fused together.

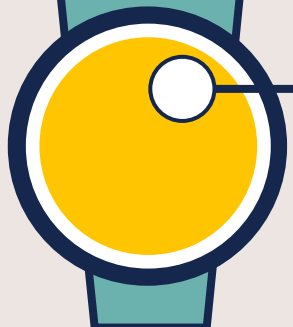
Some childhood cancers that can be caused by fusion oncoproteins:



high-risk acute lymphoblastic leukemia  
BLOOD CANCER



ewing sarcoma  
BONE OR SOFT TISSUE TUMOR



high-grade gliomas  
BRAIN/SPINAL TUMORS



Expanding our knowledge of oncoproteins can help scientists ultimately develop new treatments to target them.

Current St. Jude initiatives working toward this goal include:

1

St. Jude-Washington University Pediatric Cancer Genome Project

2

PeCan genome data tool

3

Genomes 4 Kids research study

To read the full report: [cancer.gov/research/key-initiatives/moonshot-cancer-initiative](http://cancer.gov/research/key-initiatives/moonshot-cancer-initiative)

