Gabriella Miller Kids First PEDIATRIC RESEARCH PROGRAM

Rare Disease Day at NIH

The vision of the Gabriella Miller Kids First Pediatric Research Program is to alleviate suffering from childhood cancer and structural birth defects by fostering collaborative research to uncover the etiology of these diseases and supporting data sharing within the pediatric research community.
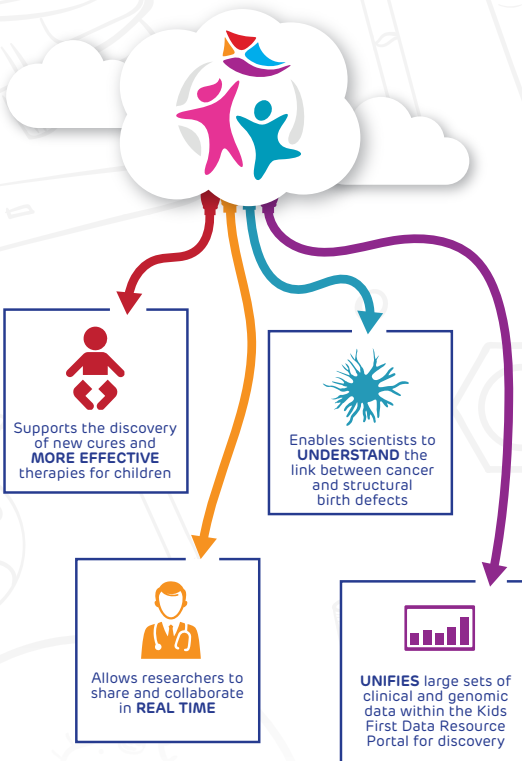
Overall Goal of the Kids First Program

The goal of the Kids First Program is to develop a large-scale data resource that will allow researchers everywhere access to vast amounts of childhood cancer and structural birth defects genetics data that will greatly accelerate their research. This will facilitate new discoveries and novel ways of thinking about these conditions and is anticipated to accelerate scientific progress in pediatric research.

Sign up for the Kids First Email Listserv

https://commonfund.nih.gov/ kidsfirst/register

Supports the discovery of new cures and **MORE EFFECTIVE** therapies for children

Enables scientists to **UNDERSTAND** the link between cancer and structural birth defects

Allows researchers to share and collaborate in **REAL TIME**

UNIFIES large sets of clinical and genomic data within the Kids First Data Resource Portal for discovery

How Can Rare-Disease Researchers Get Involved?

1 Apply for **PAR-18-583**, *Discovery of the Genetic Basis of Childhood Cancers and of Structural Birth Defects: Gabriella Miller Kids First Pediatric Research Program* (X01 Clinical Trial Not Allowed)

The purpose of this FOA is to generate whole genome sequence data from children born with structural birth defects and/or diagnosed with childhood cancer and their families. Rare disease researchers are encouraged to collaborate and combine datasets with other investigators, such as those already involved with Kids First.

Where can I learn more?
- Read the funding opportunity announcement (FOA) at: https://grants.nih.gov/grants/guide/pa-files/PAR-18-583.html
- Visit https://commonfund.nih.gov/kidsfirst/FAQ to learn more about the expectations for this opportunity and the Kids First program.

2 Apply for the re-issue of **PAR-16-348**, *Small Research Grants for Analyses of Data for the Gabriella Miller Kids First Data Resource* (R03)

The purpose of this FOA is to support meritorious small research projects focused on analyses of childhood cancer and/or structural birth defects datasets that are part of the Kids First Data Resource or could be included in the Kids First Data Resource. Applicants may propose a variety of genome-wide bioinformatic and computational approaches, as well as development of statistical methodology relevant to these datasets.

Where can I learn more?
- Read the funding opportunity announcement (FOA) at: https://grants.nih.gov/grants/guide/pa-files/par-16-348.html
- Visit https://commonfund.nih.gov/kidsfirst/FAQ to learn more about the expectations for this opportunity and the Kids First program.

3 Engage with the **tools and resources** available through the Kids First Data Resource Center

The Kids First Data Resource Center (DRC) empowers rare disease researchers by providing access to integrated clinical and genomic datasets through a cloud-based, discovery portal. Data collected from both structural birth defect and childhood cancer cohorts are harmonized by the DRC to allow for cross-disease comparison and analysis. The DRC spans across the clinical, research and patient communities to accelerate the development of more effective therapies.

Where can I learn more?
- Visit the Kids First Data Resource Center website at www.kidsfirstdrc.org/
- Connect with the Kids First Data Resource Center on Facebook & Twitter @kidsfirstDRC