



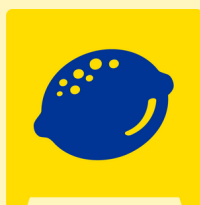
# Alex's Lemonade Stand Foundation

## Leukemia Impact Report





Alex's Lemonade Stand Foundation (ALSF) emerged from the front yard lemonade stand of 4-year-old Alexandra “Alex” Scott, who was fighting cancer and wanted to raise money to find cures for all children with cancer. By the time Alex passed away at the age of 8, she had raised \$1 million. Since then, the Foundation bearing her name has evolved into a worldwide fundraising movement and the largest independent childhood cancer charity in the U.S. ALSF is a leader in funding pediatric cancer research projects across the globe and providing programs to families affected by childhood cancer.



## With Gratitude

# Dear Friend,

All of us at Alex's Lemonade Stand Foundation are sending a heartfelt thank you for supporting Alex's mission of curing childhood cancers like leukemia through the discovery of new and safer treatments.

Your generosity empowers scientists to gather crucial preliminary data, publish breakthrough findings, and advance innovative treatment approaches. Because of you, we're moving closer to a future where no child faces leukemia.

It's an honor to stand beside you in this fight. Your commitment fuels life-saving progress. If there's ever anything we can do for you, please let the ALSF team know.

Until there are cures,



**Liz & Jay Scott**

Alex's Parents & Co-Executive Directors

*Alex's Lemonade Stand Foundation*



# Thanks to Supporters Like You

462

**Leukemia projects (and counting) have been funded**

“ALSF funding was absolutely essential to make this project happen. There are not many funding instruments available to support projects of this scale.”

— Dr. Florian Halbritter,  
St. Anna Children’s Cancer Research Institute



“Early career support for pediatric oncology physician-scientists is a critical lifeline during an incredibly vulnerable time in our careers. The support of ALSF has been and continues to be absolutely essential in making better therapies available faster for pediatric cancer patients.”

— Dr. Leo Wang,  
City of Hope

# Meet a **Leukemia Hero**

**Name: Viviana**

**Loves: Unicorns, dress up, anything sparkly and purple!**



Two-year-old Viviana Glover lights up every room in sparkly purple accessories. Last winter her endless energy began to fade: lingering respiratory symptoms, on-and-off fevers, bruises that wouldn't heal, and tiny red petechiae crept across her skin. When broken blood vessels appeared in her eyes, her parents rushed her to the ER. Lab work pointed straight to blood cancer. Viviana was transferred to University Hospital's Rainbow Babies that night where she was officially diagnosed with B-Cell acute lymphoblastic leukemia.

Chemotherapy was tough, but Viviana's resilience, and her contagious laughter, never wavered. She reached remission and, after her family relocated to Arizona, continued treatment at Phoenix Children's. She still has about two more years of chemotherapy ahead to prevent relapses, yet she greets every clinic day with the manta, "I am strong and brave! I will beat cancer!"

Inspired by ALSF's mission, Viviana's loved ones organized a lemonade stand featuring "Sparkling Purple Unicorn Lemonade," a pizza truck, and a surprise visit from local police officers. The event raised more than \$12,000 for childhood cancer research, proving that even in treatment, this tiny hero can move mountains. Viviana's dream is simple: grow up, keep smiling, and share her magical optimism with the world one cup of lemonade at a time.

“ We are so happy to be able to give back through ALSF and fund research so that every child has the chance to beat cancer!”

—Alissa, Viviana's Mom

# Crazy 8 Award Research Update

## **Barcoding Pediatric Leukemia for Therapeutic Purposes**

**Leonard Zon, MD, Boston Children's Hospital**

Led by researcher Dr. Leonard Zon, an international team of scientists is uncovering how childhood leukemia begins — and how to stop it. The team is investigating the theory that pediatric leukemia originates from special blood stem cells formed before birth, using advanced “genetic barcoding” in zebrafish, mice, and human cells to trace leukemia’s earliest roots and evolution. Their innovative models have already identified key genetic drivers and mechanisms of treatment resistance, and they’ve shared valuable tools — including a novel leukemia model and a global data repository — to accelerate discovery across the scientific community. Now, they’re exploring new therapeutic targets like the apelin pathway and refining next-generation tracking technologies, with several approaches already entering clinical testing. This collaborative, cutting-edge work is poised to make major breakthroughs in how we treat childhood leukemia and potentially other pediatric cancers.



## **Research Spotlight: New Project in Leukemia**

### **Establishing Biomarkers of Stem Cell Fitness to Improve HSC Transplants for Pediatric Cancer Patients**

**Helena Yu, MD, University of California, San Diego**

Hematopoietic stem cell (HSC) transplant is an essential component of cancer therapy for pediatric patients with aggressive leukemias that have relapsed or are at high risk of relapse. Donor HSCs regenerate blood and immune cells in the patient, and if the function of these donor cells is impaired, the recovery process after HSC transplant is delayed. Dr. Yu aims to determine the biological factors that promote optimal function of HSCs during stem cell transplant and investigate the use of stem cell protein health as a biomarker for identifying donor stem cells with poor quality HSCs. By identifying HSCs with poor protein health, doctors can select and transplant more fit HSCs to significantly improve the recovery process and quality of life for children with leukemias who require HSC transplant as part of their treatment.





**Thank You**

for all you do to help kids with cancer!

