



Your support of Gabrielle's Angel Foundation allows us to **push the boundaries of what is scientifically possible** for those living with blood cancer. Meet the dedicated research scientists whose **cutting-edge ideas** are giving patients reason to **hope**. #ResearchCuresCancer



AML DISCOVERY AT HUNTSMAN LAB

2015 grantee Ryan O'Connell, PhD was recently published in Blood's First Edition on his work which, in his own words, demonstrates "that the oncogenic effect of a key mutation within a gene called FLT3, common in AML, involves cooperation with another gene that is itself overexpressed in AML, called miR-155. Importantly, miR-155 acts to promote cellular proliferation and resistance to signals that normally reduce cellular growth, and may represent a novel therapeutic target in the treatment of this horrible disease."



INSIGHTS IN PEDIATRIC CANCERS

2014 grantee Alex Kentsis, MD, PhD is a cancer biologist and pediatric oncologist at Memorial Sloan Kettering Cancer Center. His lab recently discovered a gene that plays a role in causing pediatric cancers. "This explains a long-standing conundrum as to how pediatric tumors develop and provides a whole new category of human cancers that result from this process," said Dr. Kentsis. [Learn more about these findings, by visiting MSKCC's site here.](#)



CANTOR AMONG FIRST TO RECEIVE FUNDING FROM RUNX1

2010 grantee Alan B. Cantor, MD, PhD of Boston Children's Hospital recently received a grant from

RUNX1, an online community created by The Babich Family Foundation for "research leading to the prevention of the transition from pre-leukemia to leukemia for patients with the familial RUNX1 disorder." These inaugural awards, in conjunction with Alex's Lemonade Stand Foundation for Childhood Cancer, total \$125,000 per year for two years. To learn more visit: <http://runx1.com/>

Gabrielle's Angel Foundation for Cancer Research is a critical organization, doing great work to impact research and bring novel therapies to patients that desperately need them.

Jeffrey J. Molldrem, MD; MD Anderson Cancer Center - 2001 Awardee

MITTELMAN MOVES TO UCLA

Steven D. Mittelman, MD, PhD, previously with Children's Hospital Los Angeles, is now the Chief of the Division of Pediatric Endocrinology at Mattel Children's Hospital, David Geffen School of Medicine at the University of California, Los Angeles. First funded by the Foundation in 2010, Dr. Mittelman's lab focuses on "the associations between obesity and cancer mortality, specifically that of childhood leukemia."



ROOSE LAB T-CELL DISCOVERY

In a recent article published in *Cell Reports*, 2011 grantee Jeroen Roose & his lab uncovered that normal T cells, a type of immune cell, possess a control mechanism to keep these cells in the resting state when there is no infection or immune response to a foreign substance in the body. This control mechanism is driven by a baseline biochemical signal (tonic signal.) The Roose lab is investigating how this relates to their ongoing research on T cell leukemia. [Learn more about the Roose Lab here.](#)

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scientists "how ideas
start & lead to cures"
at our Annual
Medical Symposium
& Luncheon.**



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