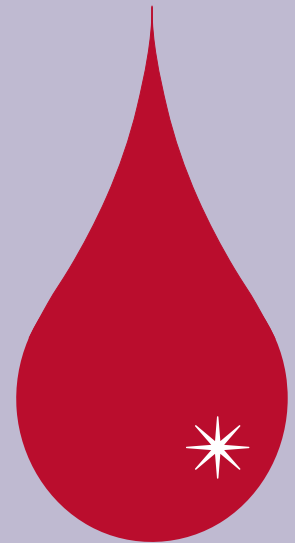


Grants

Gabrielle's Angel Foundation

For Cancer Research



“We have funded some incredibly promising physician scientists... Now more than ever, the Foundation is making an impact on the careers of these very talented and dedicated individuals.” ~ Dr. Stephen D. Nimer

Our Story

In 1996, Grammy-nominated songwriter and philanthropist, Denise Rich lost her daughter Gabrielle, a vibrant 27-year-old actress and Hodgkin's lymphoma survivor, to acute myelogenous leukemia. Gabrielle lost her battle, but her dream lives on in the work of the charity created in her memory, **Gabrielle's Angel Foundation for Cancer Research**. It was Gabrielle's idea to create a Foundation that would fund the best and brightest scientific investigators in the nation with the hope that less toxic treatments, and ultimately a cure, might be discovered. Her mother and sisters, Daniella and Ilona, believed the best way to honor Gabrielle's memory was to turn their extraordinary grief into a positive force for others so that no one would have to suffer as Gabrielle did.

Gabrielle's Angel Foundation funds research to **improve** the efficacy of cancer treatments, **reduce** their toxicity and improve the quality of life of patients with leukemia or lymphoma.

✿ We also support limited scientific **interchange** between select leaders in different areas of bio and integrative medical research, to develop unique and **important** collaborative **efforts** that will lead to improvements in the treatment and care of these patients. ✿

We provide funding to the **highest caliber** young investigators at an early stage in their careers. ✿ This allows them to pursue their most **creative** ideas when they can not get funding from more conservative sources. ✿ We fund traditional scientific **research** as well as research that combines integrative or complementary **therapies** or botanical agents.

Our Grants

Gabrielle's Angel Foundation funds the nation's best science in the fields of leukemia, lymphoma, and related cancers of the blood. The Foundation not only funds conventional scientific research, but also projects that combine integrative (complementary) therapies or botanical agents. We focus on projects for cancer prevention, detection and treatment that are most likely to be translated into clinical trials within a 3-5 year period. These Medical Research Awards, distributed on a yearly basis, each total \$225,000.00 and are given over a three-year period. The top research institutions in the nation are solicited by invitation-only and, once the applications are received, undergo rigorous peer review by the Foundation's ten-member Medical Advisory Board. This panel of experts, led by Stephen D. Nimer, M.D. of New York's Memorial Sloan-Kettering Cancer Center, selects only the crème de la crème for funding. 67% of our grantees are able to obtain further funding at the federal level thanks to their early career support from Gabrielle's Angel Foundation. In recent years, the Foundation has expanded its reach to include the funding of select pediatric oncology initiatives, music therapy programs, and international projects. Gabrielle's Angel Foundation has supported more than 80 of the country's leading junior investigators totaling over \$16 million and maintains its status as one of the nation's largest non-governmental sources of grant support for blood cancer research.

Our Grantees

In 2010, Gabrielle's Angel Foundation announced a new round of Medical Research Awards totaling nearly \$2.5M. Here we focus on a few of the brilliant young scientists receiving funding this year.



Jennifer Amengual, M.D. • NYU School of Medicine, Cancer Institute

Project Title: Therapeutic targeting of the BCL6; p53 Axis with Histone Deacetylase Inhibitors in Diffuse Large B-Cell Lymphoma • **“The rapid growth of discovery and development of targeted agents in the field of lymphoma guided me to pursue cancer research. The impact these discoveries have made on patients' lives is inspiring.”**



Alan B. Cantor, M.D., Ph.D. • Children's Hospital Boston, Dana-Farber Cancer Institute

Project Title: Inhibition of Runx1 Tyrosine Phosphorylation in the Treatment of Human Leukemia • **“This funding makes a difference in my research by allowing me to further develop an exciting new clinically relevant avenue of research that is currently too preliminary for federal funding support.”**



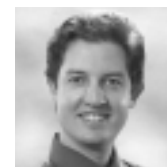
Young Jik Kwon, Ph.D. • University of California, Irvine

Project Title: Killing Two Birds with One Stone: Dual Modal Gene Therapy for Leukemia Using Chimeric Nanoparticles • **“My work focuses on developing effective, safe, and versatile means of cancer diagnosis and therapy by combining chemistry, biology, and nanotechnology tools.”**



H. Daniel Lacorazza, Ph.D. • Baylor College of Medicine/Texas Children's Hospital

Project Title: Role of Proliferation in the Pathogenesis of T-Cell Acute Lymphoblastic Leukemia • **“This prestigious award will aid in the development of pre-clinical models to study new therapeutic approaches for patients with high-risk leukemia.”**



Steven D. Mittelman, M.D., Ph.D. • Children's Hospital Los Angeles

Project Title: Overcoming L-Asparaginase Resistance Caused by Adipocyte Production of Glutamine • **“I chose the field of cancer research because I felt that my training in whole-body physiology would give me a unique perspective to investigate the relationships between body weight and cancer.”**



Siddhartha Mukherjee, M.D., Ph.D. (D. Phil) • Columbia University Medical Center

Project Title: Dissecting the Roles of Yes-1, Mlt3 and Ctnnd1 in Leukemia Stem Cell Quiescence • **“This funding allows us to perform truly innovative studies on stem cells and leukemia. It would be nearly impossible to fund this challenging study using traditional grant mechanisms.”**



Vu Nguyen, M.D. • The University of Chicago

Project Title: Tissue-Specific Immunity to Preserve the Graft-Versus-Tumor Effect Following Hematopoietic Cell Transplantation • **“I am driven to contribute to the field because I've had family members inflicted with cancer. This funding is critical for me as I work to generate sufficient and compelling data to compete successfully for long-term and substantial funding from the NIH for my research program.”**



Eddy Shih-Hsin Yang, M.D., Ph.D. • University of Alabama-Birmingham Comprehensive Cancer Center

Project Title: Mechanisms by which GSK3 β Inhibition Enhances Nonhomologous End-Joining Repair of IR-Induced Double Strand Breaks • **“In these tough economic times, support from Gabrielle's Angel Foundation is vital to jump-start the careers of junior investigators such as myself.”**

Medical Research Awards 1998–2011

Since its inception, Gabrielle's Angel Foundation for Cancer Research has distributed over \$16 million in Medical Research Awards to more than 80 of the nation's leading junior investigators. We proudly support the researchers at the following institutions:

Omar Abdel-Wahab, M.D. ● Memorial Sloan-Kettering Cancer Center
Iannis Aifantis, Ph.D. ● New York University Medical Center
Jennifer Amengual, M.D. ● NYU School of Medicine, Cancer Institute
Scott A. Armstrong, M.D., Ph.D. ● Children's Hospital Boston
Juliet N. Barker, MBBS (Hons), FRACP ● Memorial Sloan-Kettering Cancer Center
Gregory L. Beatty, M.D., Ph.D. ● University of Pennsylvania
Iris Bell, M.D. ● University of Arizona
Andreas Beutler, M.D. ● Mount Sinai School Medicine
Gabriel Birrane, Ph.D. ● Dana-Farber Cancer Institute
William S. Blaner, Ph.D. ● Columbia University
Anthony G. Brickner, Ph.D. ● University of Pittsburgh Cancer Institute
Jennifer R. Brown, M.D., Ph.D. ● Dana-Farber Cancer Institute
Patrick Brown, M.D. ● Johns Hopkins, Sidney Kimmel Comprehensive Cancer Center
Alan B. Cantor, M.D., Ph.D. ● Children's Hospital Boston, Dana-Farber Cancer Institute

Eric C. Carnes, Ph.D. ● University of New Mexico Cancer Research & Treatment Center
Martin Carroll, M.D. ● University of Pennsylvania Medical Center
Jianjun Chen, Ph.D. ● The University of Chicago
Wei Chen, MD, Ph.D. ● University of Minnesota, Minneapolis
Xiaochun Chen, Ph.D. ● University of Maryland School of Medicine
Aimee Edinger, Ph.D. ● University of California, Irvine
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David Frank, M.D., Ph.D. ● Dana-Farber Cancer Institute
Paul J. Galardy, M.D. ● Mayo Clinic
George Georges, M.D. ● Fred Hutchinson Cancer Research Center
John F. Gerecitano, M.D., Ph.D. ● Memorial Sloan-Kettering Cancer Center
Julia Glade-Bender, M.D. ● Columbia University
Shari Goldfarb, M.D. ● Memorial Sloan-Kettering Cancer Center
Douglas K. Graham, M.D., Ph.D., ● University of Colorado Health Sciences Center
Timothy Graubert, M.D. ● Washington University of St. Louis
Richard C. Harvey, Ph.D. ● University of New Mexico Cancer Research & Treatment Center
Chuan He, Ph.D. ● The University of Chicago
Alex Y. C. Huang, M.D., Ph.D. ● Case Western Reserve University
Hao Huang, Ph.D. ● The University of Chicago
Yonggui Jing, Ph.D. ● Mount Sinai School of Medicine
Issa Khouri, M.D. ● University of Texas, MD Anderson Cancer Center
Nigel Killeen, Ph.D. ● University of California, San Francisco
Young Jik Kwon, Ph.D. ● University of California, Irvine

H. Daniel Lacorazza, Ph.D. ● Baylor College of Medicine
Amanda Gedman Larson, Ph.D. ● St. Jude Children's Research Hospital
Anthony Letai, M.D., Ph.D. ● Dana-Farber Cancer Institute
Ross L. Levine, M.D. ● Memorial Sloan-Kettering Cancer Center
Zejuan Li, M.D., Ph.D. ● The University of Chicago
William H. Matsui, M.D. ● Johns Hopkins School of Medicine
Ari Melnick, M.D. ● Albert Einstein College of Medicine
Steven D. Mittelman, M.D., Ph.D. ● Children's Hospital Los Angeles
Jeffrey J. Molldrem, M.D. ● University of Texas, M.D. Anderson Cancer Center
Siddhartha Mukherjee, M.D., Ph.D. (D. Phil) ● Columbia University Medical Center
James C. Mulloy, Ph.D. ● Cincinnati Children's Hospital
Louis Naumovski, M.D. ● Stanford University
Kirsten Ness, P.T., Ph.D. ● St. Jude Children's Research Hospital
Vu Nguyen, M.D. ● The University of Chicago
Craig Okada, M.D. ● University of Michigan
Steven R. Pirie-Shepherd, Ph.D. ● Harvard University Children's Hospital
Karen Popkin, MA, LCAT, HPMT, MT-BC ● Memorial Sloan-Kettering Cancer Center
Anil Prasad, Ph.D. ● Beth Israel Deaconess Medical Center, Harvard University
Jeffrey C. Rathmell, Ph.D. ● Duke University Medical Center
Andrew Rezvani, M.D. ● Fred Hutchinson Cancer Research Center
Jennifer Rhodes, Ph.D. ● Fox Chase Cancer Center

Marcello Rotta, M.D. ● Fred Hutchinson Cancer Research Center
James L. Rubenstein, M.D., Ph.D. ● University of California, San Francisco
Ingrid Karen Ruf, Ph.D. ● University of California, Irvine
Jonathan H. Schatz, M.D. ● Memorial Sloan-Kettering Cancer Center
Kara A. Scheibner, Ph.D. ● University of Maryland School of Medicine
Tait D. Shanafelt, M.D. ● Mayo Clinic
Stephen Skapek, M.D. ● St. Jude Children's Research Hospital
William B. Slayton, M.D. ● University of Florida
Ulrich Steidl, M.D., Ph.D. ● Albert Einstein College of Medicine
David W. Sternberg, M.D., Ph.D. ● Mount Sinai School of Medicine
John M. Timmerman, M.D. ● University of California, Los Angeles
Amit K. Verma, M.D. ● Albert Einstein College of Medicine
Kala Visvanathan, MB, BS, FRACP, MHS ● Johns Hopkins University, Bloomberg School of Public Health
Richard T. Williams, M.D., Ph.D. ● St. Jude Children's Research Hospital
Eddy Shih-Hsin Yang, M.D., Ph.D. ● University of Alabama-Birmingham Comprehensive Cancer Center
Peiyong Yang, Ph.D. ● University of Texas, MD Anderson Cancer Center
Hilda B. Ye, Ph.D. ● Albert Einstein College of Medicine
Fay Young, M.D. ● University of Rochester Medical Center
Chengcheng (Alec) Zhang, Ph.D. ● University of Texas Southwestern Medical Center
Xianzheng Zhou, M.D., Ph.D. ● University of Minnesota Cancer Center
Sandra S. Zinkel, M.D., Ph.D. ● Vanderbilt University School of Medicine



Medical Luncheon & Symposium 2010

- 1. Denise & Daniella Rich with Board Members, Drs. Janet Rowley & Stephen D. Nimer.
- 2. Grantees Drs. James Mulloy & Bill Slayton with Board Member, Dr. Curt Civin.
- 3. Grantees Drs. Scott Armstrong, David Frank & Anthony Letai.

Medical Highlights

2010 The Loeb Central Park Boathouse provides the setting for the Foundation’s first-ever **Medical Luncheon & Symposium**. A group of over 50 of the Foundation’s grantees, past & present, Medical Advisory Board Members, and supporters attend the inaugural event to exchange and share ideas about the important work funded by Gabrielle’s Angel Foundation. Continental Airlines & Millennium: The Takeda Oncology Company sponsor the event. Due to its overwhelming success, the Foundation now holds this event annually. ● **Ari M. Melnick, M.D., Albert Einstein College of Medicine:** Dr. Melnick and collaborators identify a new type of AML caused by enzymes that disrupt the genome and represent a new class of therapeutic target. ● **Kirsten Ness, P.T., Ph.D. St. Jude Children’s Research Hospital:** Dr. Ness’ study, “Vibration Intervention for Bone Enhancement,” received NIH funding as an R21 after initial funding from Gabrielle’s Angel Foundation. This allowed her team to broaden the time points on this multi-institutional study of 60 patients. Based on these results, Dr. Ness hopes to enroll an additional 300 children on a clinical trial. This integrative project was privately funded as the Shulamit Benjamini Sandberg Medical Research Grant.

● **David Frank, M.D., Ph.D., Dana-Farber Cancer Institute:** Dr. Frank, who recently won the Award for Outstanding Research Achievement from Nature Biotechnology SciCafe, has opened a clinical trial of a targeted agent identified in his laboratory for patients with leukemia. ● **2009 Iannis Aifantis, Ph.D. New York University Medical Center:** Howard Hughes Medical Institute appoints Dr. Aifantis as one of the 50 top scientists earning a HHMI Early Career Scientist award & establishing him as one of the most outstanding young scientists in the country.

● **James C. Mulloy, Ph.D. Cincinnati Children’s Hospital:** Dr. Mulloy & his colleague Yi Zheng, Ph.D. receive a five-year NIH–NCI award totaling \$1.04 million for their work targeting CDC42 leukemia stem cells. **“The funding from Gabrielle’s Angel Foundation gave me the flexibility to put some resources into these other studies... Thank you for investing in me and my work. It really does make a difference.”** ● **Scott A. Armstrong, M.D., Ph.D. Children’s Hospital Boston:** A study led by Dr. Armstrong and his colleagues in the Hem/Onc division discovers a small but potent epigenetic change—a change in gene activation that launches the cancer. ● **Tait D. Shanafelt, M.D. Mayo Clinic:** Dr. Shanafelt files a U.S. patent on his findings that high doses of green tea extract may be a promising treatment for patients with Chronic Lymphocytic Leukemia.

● **2006 Jeffrey J. Molldrem, M.D. University of Texas, M.D. Anderson Cancer Center:** Dr. Molldrem identifies a vaccine that, for the first time ever, produces complete responses in a clinical trial for patients with advanced myeloid leukemia for whom no other therapy had been successful.

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“Never doubt that
a small group of
thoughtful, committed
citizens can change
the world. Indeed, it’s
the only thing
that ever has.”

~ Margaret Meade

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