On our 70th Anniversary, we asked today’s Damon Runyon scientists how they think cancer will be prevented, diagnosed, and treated differently in our lifetimes and our children’s.

Their fascinating responses give us great optimism.
President & CEO
WE ALL DREAM ABOUT THE FUTURE, a time when fewer cancers will be diagnosed and every cancer patient can be effectively treated. That has been our goal since our founding 70 years ago. Over that time, our thinking about cancer has evolved from viewing it as a mysterious killer into a better understood disease, driven by genetic mutations that cause cells to multiply and spread in an uncontrolled manner.

We have more recently witnessed the application of this knowledge to new ways to prevent, diagnose and cure many forms of cancer. Today, novel therapies are saving the lives of those who likely would not have even survived if they were diagnosed in the year 2000. We want this outcome—continued health and survival—to be true for all cancer patients regardless of cancer type.

This progress would not be possible without brilliant scientists fully dedicated to this work, which is why the Damon Runyon Cancer Research Foundation remains so vitally important. Our unique role is to recruit the best emerging talent to cancer research—young scientists with the creativity, passion and innovative spirit needed to make the next breakthroughs—and keep them there.

In the pages that follow, a few of these exceptional Damon Runyon scientists share their vision for the future. Our goal is to give them the resources they need to make these predictions a reality.

Lorraine W. Egan
President and Chief Executive Officer
Damon Runyon Cancer Research Foundation
SEPTEMBER 10, 2036
CHECKUP RESULTS

05

BIOMARKERS CHANGE
LAST SCREENING SEPTEMBER 9, 2035

SHARE RESULTS
Revolutionizing Cancer Screening

Catching cancer in its earliest stages can vastly improve outcomes for patients, and great effort is put toward encouraging the public to undergo regular screening tests such as mammograms, prostate examinations and colonoscopies. If discovered, benign lumps and polyps can then be safely removed before they turn malignant. Ideally, everyone should have the opportunity to be routinely screened for signs of cancer, but the financial burden and available resources make this a tremendous challenge.

**In the future, screening will be carried out by the patient with the same device they use to schedule meetings—the smartphone.**

Faster processors and increased functionality from handheld devices will give individuals the equivalent of a lab computer in their pockets. Additionally, nanotechnology and microfluidic advances have shrunk the equipment needed to test blood or other bodily fluids for biomarkers of cancer into miniature sensors that can be plugged into phones like a memory card. In a few years, people will routinely test themselves at home. Any changes in cancer biomarkers will be detected early and the results emailed to oncologists for a treatment strategy to be organized.

Along with technological advances, basic biological research to uncover “early-tumor” biomarkers and enhance the understanding of cancer progression will be equally critical. With twin breakthroughs in technology and biology, ubiquitous smartphone screening can be at the forefront of fighting this disease.

Written by

**WILLIAM RAZZELL, PhD**
Damon Runyon Fellow,
Memorial Sloan Kettering Cancer Center, New York

SCREENING AT OUR FINGERTIPS

*A patient will have the ability to screen for signs of cancer from their home, providing the opportunity for early diagnosis.*
“Illness is the night-side of life, a more onerous citizenship,” wrote Susan Sontag in 1977. Twenty-seven years later, Sontag died of myelodysplastic syndrome (MDS), a subtype of myeloid blood cancers, which are the focus of the research in my laboratory at Harvard. Sontag’s words remind us that we as physician-scientists have a solemn responsibility to never give up in our efforts to develop better treatments for our patients and to lessen the burden their illness imposes on them and on their families.

In the twelve years since Sontag’s death, we’ve made enormous advances in understanding how myeloid blood cancers develop. We’ve defined the causative mutations and have developed the ability to sequentially track the genetic evolution of leukemia in real time in patients. We can even detect leukemia-initiating mutations in the blood of normal individuals before they are aware of any symptoms or signs of disease.

Armed with this knowledge, we are poised to prevent myeloid blood cancers, to diagnose them earlier and to treat them more selectively and effectively.

In the next 10–20 years, we will screen for these cancers using blood testing, much as we currently screen for diabetes. We will intervene before full-blown cancer develops using either targeted drug therapies or gene editing technology to correct specific cancer-causing mutations.

**In patients who present with cancer, we will exploit precision medicine to tailor our treatment to the mutational spectrum of their individual cancer, and we will target their own immune system against specific mutant proteins in their cancer.**
Luckily for the cancer research community, science has arrived in the era of genomics. This is what we’ve been waiting for, and it is the key to the future of cancer diagnosis and treatment.

Through deep sequencing of cancer genomes we can now appreciate the tremendous diversity of cancers and the combinations of mutations that drive them. It will take a village of cancer researchers (and computers—lots of computers) to tenaciously hash out the functions of cancer-associated genes, and the consequences of mutations within them, to precisely pinpoint a cancer’s weaknesses.

Ten to fifteen years from now, cancer patients should expect to have their tumors fully sequenced after biopsy. A unique disease deserves a unique treatment—sequencing a patient’s tumor genome will reveal the specific mutations that are driving his or her cancer. Plugging these mutations into computational models will enable doctors to prescribe treatment combinations that are as unique as the patient. Perhaps that will include a vaccine developed from the tumor’s own mutated proteins to train the patient’s immune system to recognize and destroy it. Or perhaps a drug schedule targeting molecules upon which the cancer uniquely relies, but not normal cells.

We’ll gradually transition away from the “one-size-fits-all,” blunt instrument chemotherapeutics of the past toward the sophisticated custom-tailored therapies of the future.
ANALYZING THE EARLY STAGES
Understanding how a cell transforms into a cancer cell will help scientists create therapies for disease prevention.

Biomedical scientists and physicians are extremely adept at curing cancers through chemical, surgical, or immunological interventions. While this broad and desirable statement applies to certain patients with treatable cancers, it does not apply to enough. Furthermore, rates of cancer incidence and prevalence continue to increase. What is the cause of the disparity between failure in prevention and success at treatment, and how can we address this challenge?

While cancer immunotherapy has already heralded the era of treatment-based precision medicine that will dominate the next decade, I predict that the most significant impact of patient-specific medicine will come from a greater understanding of the unique path that each patient’s cells take to transform a healthy tissue into a malignant tumor.

**By systematically characterizing, defining, and testing cell networks within individuals, we will not only understand what precipitates cancer but also identify how we can reset the balance of these cellular ecosystems to inhibit the initiation of cancer.**

It is with great hope that I consider the possibility that the next decade of precision therapies will not be targeted at cancer treatment, but rather at prevention.

---

**Written by**
**JOSE M. ORDOVAS-MONTANES, PhD**
*Damon Runyon Fellow, Massachusetts Institute of Technology*

---

**ANALYZING THE EARLY STAGES**
*Understanding how a cell transforms into a cancer cell will help scientists create therapies for disease prevention.*
I treat children with brain tumors, a resilient patient population that suffers not only from the direct effects of cancer but also the deleterious effects of the toxic treatments we must give them to try to achieve cures. More children die from brain tumors than from any other type of cancer. This must and will change.

**We are on the cusp of a scientific revolution.** As we begin to unravel the genome, epigenome, and transcriptome of these devastating tumors, we are also removing the academic roadblocks that have stymied research for so long.

I am collaborating with a scientific community that understands we must not just stand on our academic laurels but that we must make “significant” and “meaningful” discoveries. In the past, there have been many smart, well-meaning scientists devoted to pediatric neuro-oncology research; however, they were missing a research infrastructure that brought scientists and patients together. They were missing a research platform in which the massive amounts of biological data (petabytes) could be openly shared in real-time.

As a scientific community we now have the technology, the perseverance, and the cultural academic shift to find cures. We are no longer conducting research in scientific silos.

In the future, children with a devastating brain tumor, no matter where they live, will be able to have their tumor molecularly analyzed, and a treatment tailored to provide them with the best chance possible for a long, healthy, productive life.
With brilliant scientists working in collaboration, developing new technologies, and seeking even greater understanding of cancer, these visions of the future will become a reality—for us, and certainly for our children.
Damon Runyon Cancer Research Foundation
Board of Directors

CHAIR
MR. ALAN M. LEVENTHAL
Chairman and Chief Executive Officer
Beacon Capital Partners, LLC
Boston, Massachusetts

VICE CHAIR
Scientific Programs
WILLIAM G. KAELIN, JR., MD
Howard Hughes Medical Institute Investigator
Professor of Medicine
Harvard Medical School
Dana-Farber Cancer Institute
Boston, Massachusetts

VICE CHAIR
Investments and Treasurer
MR. LEON G. COOPERMAN
Chairman and Chief Executive Officer
Omega Advisors, Inc.
New York, New York

VICE CHAIR
Audit and Secretary
SANFORD W. MORHOUSE, ESQ.
Of Counsel
Schulte Roth & Zabel LLP
New York, New York

VICE CHAIR
Board Development
MR. MICHAEL L. GORDON
Chief Executive Officer
Angelo, Gordon & Co.
New York, New York

VICE CHAIR
Development and Marketing
MR. DAVID M. BEIRNE
Chairman
Fantex Holdings, Inc.
Coral Gables, Florida

STEVEN J. BURAKOFF, MD
Director, The Tisch Cancer Institute
Icahn School of Medicine at Mount Sinai
Mount Sinai Health System
New York, New York

MS. DEBORAH J. COLEMAN
Legal Counsel
Convexity Capital Management LP
Boston, Massachusetts

MS. ROBYN COLES
President
TRATE Properties
Boston, Massachusetts

MR. GARY E. ERLBAUM
President
Greentree Properties
Ardmore, Pennsylvania

MR. BUCK FRENCH
Co-Founder and Chief Executive Officer
Fantex Holdings, Inc.
San Francisco, California

ELAINE V. FUCHS, PhD
Rebecca C. Lancefield Professor
Howard Hughes Medical Institute Investigator
Head, Laboratory of Mammalian Cell Biology and Development
The Rockefeller University
New York, New York

RICHARD B. GAYNOR, MD
Senior Vice President
Global Product Development/Medical Affairs
Oncology Business Unit
Eli Lilly and Company
Indianapolis, Indiana

TODD R. GOLUB, MD
Chief Scientific Officer
Director, Cancer Program
The Broad Institute of MIT and Harvard
Charles A. Dana Investigator in Human Cancer Genetics at the Dana-Farber Cancer Institute
Professor of Pediatrics at Harvard Medical School
Howard Hughes Medical Institute Investigator
Cambridge, Massachusetts

MR. SCOTT GREENSTEIN
President and Chief Content Officer
SiriusXM
New York, New York

MR. STEVE HAYDEN
Vice Chairman and Chief Creative Officer (Retired)
Ogilvy & Mather Worldwide
New York, New York

MR. JAY W. IRELAND
President and Chief Executive Officer
GE Africa
General Electric
Nairobi, Kenya
The Damon Runyon Cancer Research Foundation was deeply saddened by the passing of Dale F. Frey, past Chairman of its Board of Directors, one of its greatest champions and a dear friend. Through his vision, passion and relentless dedication to cancer research, Dale had a lasting impact on human life. Under his leadership for over 16 years, the Foundation grew exponentially and funded top young scientists in cancer research whose discoveries have dramatically advanced progress against cancer. In 2010, the Dale F. Frey Award for Breakthrough Scientists was established in his honor to support the most outstanding young cancer researchers in the nation.

Select Damon Runyon–Dale F. Frey Breakthrough Scientists

ANGELA N. BROOKS, PhD
ROBERT K. MCGINTY, MD, PhD
MICHAEL J. SMANSKI, PhD

ANGELA J. WAANDERS, MD, MPH
ARUN P. WIITA, MD, PhD
Damon Runyon Award Programs

**Damon Runyon-Rachleff Innovation Award**
Supports the next generation of exceptionally creative thinkers with high-risk, high-reward ideas that have the potential to significantly impact our understanding of and approaches to the prevention, diagnosis or treatment of cancer.

**TWO-YEAR AWARD:**
$300,000, with possibility of extension up to an additional $300,000

**Damon Runyon Clinical Investigator Award**
Supports early career physician-scientists conducting patient-oriented research. The goal of this innovative program is to increase the number of physicians capable of moving seamlessly between the laboratory and the patient's bedside in search of breakthrough treatments.

**THREE-YEAR AWARD:**
$450,000 plus up to $100,000 for medical school loan repayment

**Damon Runyon Fellowship Award**
Supports the training of the brightest postdoctoral scientists as they embark upon their research careers. This funding enables them to be mentored by established investigators in leading research laboratories across the country.

**FOUR-YEAR AWARD:**
$231,000

**Damon Runyon-Sohn Pediatric Cancer Fellowship Award**
Supports dedicated basic scientists and clinicians who conduct research with the potential to significantly impact the prevention, diagnosis or treatment of one or more pediatric cancers.

**FOUR-YEAR AWARD:**
$231,000

**Damon Runyon-Dale F. Frey Award for Breakthrough Scientists**
Supports a select few Damon Runyon Fellows who have greatly exceeded the Foundation’s highest expectations. This additional investment in these exceptional individuals will help catapult their research careers and their impact on cancer.

**TWO-YEAR AWARD:**
$100,000

**Damon Runyon Physician-Scientist Training Award**
Supports and encourages outstanding recent medical school graduates to pursue cancer research careers by providing them with the opportunity for a protected research training experience under the mentorship of a highly qualified and gifted mentor.

**FOUR-YEAR AWARD:**
$460,000 plus up to $100,000 for medical school loan repayment

*Increased award amount effective July 1, 2016

[Image of MICHAEL DRAZER, MD and KYLE G. DANIELS, PhD]
Damon Runyon-Rachleff Innovation Award Committee

CHAIR
KENNETH W. KINZLER, PhD
Professor of Oncology
Director, Ludwig Center for Cancer Genetics and Therapeutics
Johns Hopkins University
Kimmel Cancer Center
Baltimore, Maryland

DAFNA BAR-SAGI, PhD
Senior Vice President
Vice Dean for Science
Chief Scientific Officer
NYU Langone Medical Center
New York, New York

MICHAEL A. CALIGIURI, MD
Director, Comprehensive Cancer Center
CEO, James Cancer Hospital and Solove Research Institute
JL Marakas Nationwide Insurance Enterprise Foundation
Professor of Cancer Research
Professor, Departments of Internal Medicine and Molecular Virology, Immunology, and Medical Genetics
Columbus, Ohio

ABBY F. DERNBURG, PhD
Howard Hughes Medical Institute Investigator
Professor of Cell and Developmental Biology
University of California, Berkeley
Lawrence Berkeley National Lab
Berkeley, California

SANJIV SAM GAMBHIR, MD, PhD
Director, Molecular Imaging Program
Head, Nuclear Medicine Division
Professor of Radiology, Bioengineering and Engineering Materials Science
Stanford University School of Medicine
Stanford, California

TODD R. GOLUB, MD
Chief Scientific Officer
Director, Cancer Program
The Broad Institute of Harvard and MIT
Charles A. Dana Investigator in Human Cancer Genetics at the Dana-Farber Cancer Institute
Professor of Pediatrics at Harvard Medical School
Howard Hughes Medical Institute Investigator
Cambridge, Massachusetts

TARUN M. KAPOOR, PhD
Pels Family Professor
Head, Laboratory of Chemistry and Cell Biology
The Rockefeller University
New York, New York

DAVID G. KIRSCH, MD, PhD
Professor of Radiation Oncology
Professor of Pharmacology and Cancer Biology
Duke University Medical Center
Durham, North Carolina

RICHARD L. KLEMKE, PhD
Professor, Department of Pathology
University of California, San Diego
Moores Cancer Center
La Jolla, California

LEWIS L. LANIER, PhD
American Cancer Society Research Professor
Chair, Department of Microbiology and Immunology
J. Michael Bishop, MD, Distinguished Professor
University of California, San Francisco
Leader, Cancer, Immunity and Microenvironment Program
UCSF Helen Diller Family Comprehensive Cancer Center
San Francisco, California

STEVEN M. LARSON, MD
Member and Lab Head
Molecular Pharmacology and Chemistry Program
Sloan Kettering Cancer Center
Donna and Benjamin M. Rosen Chair in Radiology
Memorial Sloan Kettering Cancer Center
New York, New York

RONALD LEVY, MD
Professor of Medicine
Division of Oncology
Stanford University School of Medicine
Stanford, California

JOSHUA T. MENDELL, MD, PhD
Howard Hughes Medical Institute Investigator
Professor, Department of Molecular Biology
University of Texas Southwestern Medical Center
Dallas, Texas

STEPHEN R. QUAKE, DPhil
Howard Hughes Medical Institute Investigator
Lee Otterson Professor of Bioengineering and Applied Physics
Department of Bioengineering
Stanford University
Stanford, California

Damon Runyon-Rachleff Innovator
ROBERTO ZONCU, PhD

Damon Runyon-Rachleff Innovator
CHRISTIN E. BURD, PhD
Damon Runyon–Rachleff Innovation Awards

CALIFORNIA

SCOTT J. DIXON, PhD*
“Exploring the role of a toxic endogenous glycolytic metabolite in tumor suppression and chemotherapy action” at Stanford University, Stanford

NICHOLAS T. INGOLIA, PhD
“Cis-regulatory code for the translational control of gene expression” at the University of California, Berkeley

GUILLEM PRATX, PhD
“Adding a new dimension to flow cytometry: radionuclide-activated cell sorting” at Stanford University School of Medicine, Stanford

PETER J. TURNBAUGH, PhD*, Nadia’s Gift Foundation Innovator
“The gut microbiome: an unexpected contributor to cancer drug resistance” at the University of California, San Francisco

ELÇIN ÜNAL, PhD
“Reducing cancer susceptibility by attenuating cellular aging” at the University of California, San Francisco

ROBERTO ZONCU, PhD*
“Dissecting and disabling the glucose-mTORC1 signaling axis in cancer growth” at the University of California, Berkeley

CONNECCTICUT

JASON M. CRAWFORD, PhD*
“Elucidating the bacterial determinants of colorectal cancer” at Yale University, New Haven

MARYLAND

CHRISTOPHER M. JEWELL, PhD
“Harnessing intra-lymph node controlled release to study and enhance tumor immunity” at the University of Maryland, College Park

MASSACHUSETTS

EMILY P. BALSKUS, PhD
“Understanding and preventing carcinogenesis caused by the human microbiota” at Harvard University, Cambridge

NEW YORK

PIERO D. DALERBA, MD*
Island Outreach Foundation Innovator
“Using single-cell genomics to resolve the molecular identity of cancer stem cells and guide their pharmacological eradication” at Columbia University, New York

ARVIN C. DAR, PhD
“Targeting allosteric control in the Ras-MAPK pathway for cancer therapy” at the Icahn School of Medicine at Mount Sinai, New York

MORITZ F. KIRCHER, MD, PhD
“Raman-MRI nanobeacons: towards a universal cancer theranostic agent” at Memorial Sloan Kettering Cancer Center, New York

EIRINI P. PAPAPETROU, MD, PhD
Edward P. Evans Foundation Innovator
“Dissecting chromosome hemizygosity with human pluripotent stem cells” at the Icahn School of Medicine at Mount Sinai, New York

OHIO

CHRISTIN E. BURD, PhD*
“Exploiting mutational specificity to target RAS-driven melanoma” at The Ohio State University, Columbus

OREGON

SUMMER L. GIBBS, PhD and XIAOLIN NAN, PhD
“Studying spatial regulation of HER2 tumorigenesis with multispectral super resolution microscopy (MSSRM)” at Oregon Health and Science University, Portland

TEXAS

NING JENNY JIANG, PhD
“A single cell integrated system to dissecting cancer immunoeediting in humans” at The University of Texas, Austin

WASHINGTON

BRIAN H. SHIRTS, MD, PhD
“Participatory genetics for defining genotype-phenotype associations of rare cancer variants” at the University of Washington, Seattle

WISCONSIN

PHILIP A. ROMERO, PhD*
“Digital circulating tumor cell detection using scalable molecular logic” at the University of Wisconsin, Madison

*Initial Year

Damon Runyon–Rachleff Innovator
NING JENNY JIANG, PhD

Damon Runyon–Rachleff Innovator
PHILIP A. ROMERO, PhD
Damon Runyon Clinical Investigator Award Committee

CHAIR
WILLIAM G. KAELIN, JR., MD
Howard Hughes Medical Institute Investigator
Professor of Medicine
Harvard Medical School
Dana-Farber Cancer Institute
Boston, Massachusetts

CHAIR ELECT
CHARLES L. SAWYERS, MD
Chair, Human Oncology and Pathogenesis Program
The Marie-Josée and Henry R. Kravis Chair
Howard Hughes Medical Institute Investigator
Memorial Sloan Kettering Cancer Center
New York, New York

KARLA V. BALLMAN, PhD
Chief of the Division of Biostatistics and Epidemiology
Department of Healthcare Policy and Research
Weill Cornell Medicine
New York, New York

DAVID P. CARBONE, MD, PhD
Professor, Division of Medical Oncology
Director, Thoracic Oncology Center
Comprehensive Cancer Center
The Ohio State University
Columbus, Ohio

DENNIS A. CARSON, MD
Professor Emeritus
Department of Medicine
Moore Cancer Center
University of California, San Diego
La Jolla, California

BRUCE A. CHABNER, MD
Professor of Medicine
Harvard Medical School
Director of Clinical Research
Massachusetts General Hospital Cancer Center
Boston, Massachusetts

NANCY E. DAVIDSON, MD
Director, University of Pittsburgh Cancer Institute
UPMC Cancer Centers
Associate Vice Chancellor for Cancer Research
Professor of Medicine
Division of Hematology/Oncology
University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania

S. GAIL ECKHARDT, MD
Professor and Head of the Division of Medicine Oncology
Stapp/Harlow Endowed Chair in Cancer Research
University of Colorado Denver and Health Sciences Center
Senior Associate Director of Translational and Collaborative Research
University of Colorado Cancer Center
Aurora, Colorado

HOWARD A. FINE, MD
Director, Weill Cornell Brain Tumor Center
Associate Director of Translational Research
Meyer Cancer Center
Weill Cornell Medicine
New York, New York

PATRICIA A. GANZ, MD
Professor, Schools of Medicine and Public Health
Director, Division of Cancer Prevention and Control Research
Jonsson Comprehensive Cancer Center
University of California, Los Angeles
Los Angeles, California

AMATO J. GIACCIA, PhD
Jack, Lulu and Sam Willson Professor in Cancer Biology
Director, Division of Radiation and Cancer Biology
Department of Radiation Oncology
Stanford University School of Medicine
Stanford, California

CARL H. JUNE, MD
Richard W. Vague Professor in Immunotherapy
Department of Pathology and Laboratory Medicine
Director Center for Cellular Immunotherapies
Director Translational Research Program
Abramson Cancer Center
Perelman School of Medicine
University of Pennsylvania
Philadelphia, Pennsylvania

ANDREW L. KUNG, MD, PhD
Chair and Professor
Department of Pediatrics
Memorial Sloan Kettering Cancer Center
New York, New York

DREW M. PARDOLL, MD, PhD
Director, Cancer Immunology Program
Sidney Kimmel Comprehensive Cancer Center
Abeloff Professorship in Oncology
Johns Hopkins University
School of Medicine
Baltimore, Maryland

DAVID R. PIWNICA-WORMS, MD, PhD
Professor and Chair, Department of Cancer Systems Imaging
Deputy Division Head, Research Affairs, Division of Diagnostic Imaging
The University of Texas M.D. Anderson Cancer Center
Houston, Texas

KORNELIA POLYAK, MD, PhD
Professor of Medicine
Department of Medical Oncology
Dana-Farber Cancer Institute
Harvard Medical School
Boston, Massachusetts

NORMAN E. SHARPLESS, MD
Director, Lineberger Comprehensive Cancer Center
Wellcome Distinguished Professor of Cancer Research
Departments of Medicine and Genetics
University of North Carolina
School of Medicine
Chapel Hill, North Carolina
### Damon Runyon Clinical Investigator Awards (Continued)

**CALIFORNIA**

ARASH ASH ALIZADEH, MD, PhD  
“Targeting the malignant reprogramming of early hematopoietic progenitors to mature aggressive human B-cell lymphomas” with Ronald Levy, MD, Stanford University School of Medicine, Stanford

AMI S. BHATT, MD, PhD*  
“Applying microbiome-based therapeutics in cancer patients” with Linda Boxer, MD, PhD, and Michael Snyder, PhD, Stanford University School of Medicine, Stanford

L. ELIZABETH BUDDE, MD, PhD  
Damon Runyon-Jake Wetchler Foundation for Innovative Pediatric Cancer Research Clinical Investigator  
“Targeting CD123 using chimeric antigen receptor T cells for treatment of acute myeloid leukemia” with Stephen J. Forman, MD, FACP, City of Hope, Duarte

**ILLINOIS**

JAEHYUK CHOI, MD, PhD*  
Doris Duke-Damon Runyon Clinical Investigator  
“Identification of genetic basis of altered T cell receptor signaling in cutaneous T cell lymphoma” with Stephen D. Miller, PhD, and John D. Crispino, PhD, Northwestern University, Chicago

L. ELIZABETH BUDDE, MD, PhD  
Damon Runyon-Jake Wetchler Foundation for Innovative Pediatric Cancer Research Clinical Investigator  
“Targeting CD123 using chimeric antigen receptor T cells for treatment of acute myeloid leukemia” with Stephen J. Forman, MD, FACP, City of Hope, Duarte

ALEJANDRO GUTIERREZ, MD  
“Mechanisms and therapeutic targeting of EZH2-dependent chemoresistance in T-ALL” with Stuart H. Orkin, MD, and Anthony G. Letai, MD, PhD, Boston Children’s Hospital, Boston

**FLORIDA**

MARCO L. DAVILA, MD, PhD  
“The development and clinical translation of an armored CAR T cell therapy for immune-resistant B cell malignancies” with Michel Sadelain, MD, PhD, Memorial Sloan Kettering Cancer Center, New York, and Claudio Anasetti, MD, Moffitt Cancer Center, Tampa

**MASSACHUSETTS**

PRISCILLA K. BRASTIANOS, MD  
“Investigation of novel targeted therapeutic approaches for brain metastases” with Keith T. Flaherty, MD, and Tracy T. Batchelor, MD, Massachusetts General Hospital, Boston

**NEW YORK**

CHRISTOPHER E. BARBIERI, MD, PhD*  
MetLife Foundation Clinical Investigator  
“Presurgical trials to target distinct subclasses of localized prostate cancer” with Mark A. Rubin, MD, Weill Cornell Medicine, New York

JOSHUA BRODY, MD  
“FIL3L-primed ‘in situ’ vaccination for low-grade lymphoma-Phase I/II study of intratumoral injection of rhuFil3L and poly-ICLC with low-dose radiotherapy [NCT01976585]” with Nina Bhardwaj, MD, PhD, and Miriam Merad, MD, PhD, Mount Sinai Hospital, New York

**MISSOURI**

VIVEK K. ARORA, MD, PhD*  
“Defining a targetable oncogenic dyad in bladder cancer” with Lee Ratner, MD, PhD, Washington University, St. Louis

STEPHEN T. OH, MD, PhD  
Doris Duke-Damon Runyon Clinical Investigator  
“Targeting aberrant signaling pathways in myeloproliferative neoplasms” with Daniel C. Link, MD, Washington University, St. Louis

**PASSENGER**

ELIEZER M. VAN ALLEN, MD*  
“Dissecting response to conventional and emerging DNA damage and repair therapies” with Levi A. Garraway, MD, PhD, and Philip Kantoff, MD, Dana-Farber Cancer Institute, Boston

**DAMON RUNYON CLINICAL INVESTIGATOR AWARDS**

- **SANDRA L. WONG, MD, MS**  
  Chair, Department of Surgery  
  Senior Vice President of the Surgical Services Line  
  Dartmouth-Hitchcock Medical Center  
  The Greisel School of Medicine at Dartmouth  
  Lebanon, New Hampshire

- **RICHARD J. O’REILLY, MD**  
  Chief, Pediatric Bone Marrow Transplant Service;  
  Claire L. Tow Chair in Pediatric Oncology Research  
  Memorial Sloan Kettering Cancer Center  
  New York, New York

**FUNDING MEMBER**

- **RICHARD J. O’REILLY, MD**  
  Chief, Pediatric Bone Marrow Transplant Service;  
  Claire L. Tow Chair in Pediatric Oncology Research  
  Memorial Sloan Kettering Cancer Center  
  New York, New York
Damon Runyon Clinical Investigator Awards (Continued)

ALEX KENTSIS, MD, PhD*
Richard Lumsden Foundation Clinical Investigator
“Mechanism and function of regulatory signaling in acute myeloid leukemia” with Scott A. Armstrong, MD, PhD, Dana-Farber Cancer Institute, Boston, and Ross Levine, MD, Memorial Sloan Kettering Cancer Center, New York

LUC G. MORRIS, MD
“Functionalizing tumor suppressor gene mutations and deletions in head and neck cancer” with Timothy A. Chan, MD, PhD, and James A. Fagin, MD, Memorial Sloan Kettering Cancer Center, New York

HEATHER L. YEO, MD*
“Use of mobile applications to evaluate post surgical recovery in aging patients with GI cancer” with Manish A. Shah, MD, and Deborah Estrin, PhD, MS, Weill Cornell Medicine, New York

WASHINGTON
AUDE G. CHAPUIS, MD
“To specify the requirements of CD8+ and CD4+ T cells for successful adoptive transfer in solid tumors” with Philip D. Greenberg, MD, Fred Hutchinson Cancer Research Center, Seattle

MASSACHUSETTS
RYAN B. CORCORAN, MD, PhD
“Defining novel targeted therapy combination strategies for BRAF V600 mutant colorectal cancer” with Jeffrey A. Engelman, MD, PhD, and Keith T. Flaherty, MD, Massachusetts General Hospital, Charlestown

ANN MULLALLY, MD*
“Peptide vaccination to target mutant calreticulin in myeloproliferative neoplasms” with Benjamin L. Ebert, MD, and Jerome Ritz, MD, Brigham and Women’s Hospital, Boston

NORTH CAROLINA
OREN J. BECHER, MD
“Regional differences in central nervous system gliomagenesis” with Darell D. Bigner, MD, PhD, and Michael B. Kastan, MD, Duke University, Durham

NEW YORK
SARAT CHANDARLAPATY, MD, PhD
Patterson Trust Clinical Investigator
“Therapeutic approaches to PI3K-AKT-mTOR feedback pathways in breast cancer” with Neal Rosen, MD, PhD, and Clifford A. Hudis, MD, Memorial Sloan Kettering Cancer Center, New York

TENNESSEE
CHRISTINE M. LOVLY, MD, PhD*
“Developing novel therapeutic strategies for ALK-fusion positive lung cancer” with David P. Carbone, MD, PhD, The Ohio State University, Columbus, and Pierre P. Massion, MD, Vanderbilt University, Nashville

TEXAS
DEEPAK NIJHAWAN, MD, PhD*
“Developing the anti-tumor toxin CD437 into a new cancer therapy” with Steve L. McKnight, PhD, and David Johnson, MD, University of Texas Southwestern Medical Center, Dallas

Select Damon Runyon Clinical Investigators

HEATHER YEO, MD
SARAT CHANDARLAPATY, MD, PhD
CHRISTINE M. LOVLY, MD, PhD
Damon Runyon Fellowship Award Committee

CHAIR

SUSAN L. ACKERMAN, PhD
Howard Hughes Medical Institute Investigator
Steven W. Kuffler Chair of Biology
Professor Neurobiology Section and Cell and Molecular Medicine
University of California San Diego Medical School
La Jolla, California

VICE CHAIR

PHILIPPE M. SORIANO, PhD
Professor of Developmental and Regenerative Biology
Professor of Oncological Sciences
Mount Sinai School of Medicine
New York, New York

GREG BARTON, PhD
Professor of Immunology and Pathogenesis
Class of 1936 Chair, Department of Molecular and Cell Biology
University of California, Berkeley, California

SHARON Y.R. DENT, PhD
Professor and J. Ralph Meadows Chair
Department of Molecular Carcinogenesis
Director, Science Park
Director, Center for Cancer Epigenetics
The University of Texas MD Anderson Cancer Center
Smithville, Texas

ADOLFO A. FERRANDO, MD, PhD
Associate Professor of Pediatrics and Pathology
Director, WOLF Foundation Leukemia/Lymphoma Laboratory
Institute for Cancer Genetics
Columbia University Medical Center
New York, New York

JENNIFER GERTON, PhD
Investigator
Associate Professor, Department of Biochemistry and Molecular Biology
The University of Kansas School of Medicine
Stowers Institute for Medical Research
Kansas City, Missouri

ANTONIO J. Giraldez, PhD
Investigator
Professor of Genetics
Director of Graduate Studies
Yale University School of Medicine
New Haven, Connecticut

LUCY A. GODLEY, MD, PhD
Professor, Department of Medicine
Section of Hematology and Oncology
Cancer Research Center
The University of Chicago Medicine
Chicago, Illinois

RACHEL GREEN, PhD
Howard Hughes Medical Institute Investigator
Professor of Molecular Biology and Genetics
Johns Hopkins University School of Medicine
Baltimore, Maryland

RICHARD GREGORY, PhD
Professor, Department of Biological Chemistry and Molecular Pharmacology, and Department of Pediatrics
Harvard Medical School
Harvard Stem Cell Institute
The Stem Cell Program at Boston Children’s Hospital
Boston, Massachusetts

SUSAN KAECH, PhD
Associate Professor
Department of Immunobiology
Yale University School of Medicine
New Haven, Connecticut

ALEX L. KOLODKIN, PhD
Howard Hughes Medical Institute Investigator
Professor
The Solomon H. Snyder Department of Neuroscience
Johns Hopkins University School of Medicine
Baltimore, Maryland

CHRISTINA LESLIE, PhD
Associate Member and Laboratory Head
Computational Biology Program
Memorial Sloan Kettering Cancer Center
New York, New York

ERIK A. LUNDQUIST, PhD
Professor, Department of Molecular Biosciences
University of Kansas
Lawrence, Kansas

LYNNE E. MAQUAT, PhD
J. Lowell Orbison Endowed Chair and Professor
Department of Biochemistry and Biophysics
School of Medicine and Dentistry
Director, University of Rochester Center for RNA Biology
Chair, University of Rochester Graduate Women in Science
University of Rochester
Rochester, New York

TOBIAS MEYER, PhD
Chair, Department of Chemical and Systems Biology
Mrs. George A. Winzer Professor in Cell Biology
Stanford University School of Medicine
Stanford, California

PHILIP A. NEWMARK, PhD
Howard Hughes Medical Institute Investigator
Professor of Cell and Developmental Biology
University of Illinois
Urbana, Illinois

ELAINE A. OSTRANDER, PhD *
Chief and NIH Distinguished Investigator
Cancer Genetics and Comparative Genomics Branch
Head, Comparative Genomics Section
National Human Genome Research Institute
Bethesda, Maryland
*Dr. Ostrander is serving in her personal capacity.

JOEL ROTHMAN, PhD
Professor and Wilcox Family Chair in Biotechnology
University of California, Santa Barbara
Santa Barbara, California

DAVID RUGGERO, PhD
Professor
Helen Diller Family Endowed Chair in Basic Research
University of California San Francisco School of Medicine
Member, UCSF Comprehensive Cancer Center
San Francisco, California
Damon Runyon Fellowship Award Committee (Continued)

JULIEN SAGE, PhD
Professor, Department of Pediatrics (Hematology/Oncology) and Genetics
Stanford University School of Medicine
Stanford, California

SOHAIL TAVAZOIE, MD, PhD
Leon Hess Assistant Professor
Head, Elizabeth and Vincent Meyer Laboratory of Systems Cancer Biology
The Rockefeller University
New York, New York

MATTHEW G. VANDER HEIDEN, MD, PhD
Eisen and Chang Career Development Professor
Associate Professor of Biology
Koch Institute for Integrative Cancer Research at MIT
Cambridge, Massachusetts

HONGTAO YU, PhD
Howard Hughes Medical Institute Investigator
Professor, Department of Pharmacology
The University of Texas Southwestern Medical Center
Dallas, Texas

Damon Runyon Fellowship Awards

CALIFORNIA

Gladstone Institutes

CASEY A. GIFFORD, PhD
HHMI Fellow
“Dissecting the role of pioneer transcription factors in cancer progression” with Deepak Srivastava, MD

SOHAIL TAVAZOIE, MD, PhD
Leon Hess Assistant Professor
Head, Elizabeth and Vincent Meyer Laboratory of Systems Cancer Biology
The Rockefeller University
New York, New York

AMY WAGERS, PhD
Professor of Stem Cell and Regenerative Biology
Harvard University
Cambridge, Massachusetts

Salk Institute

CORINA E. ANTAL, PhD*
“Stromal reprogramming as a therapeutic approach in pancreatic cancer” with Ronald M. Evans, PhD

Scripps Research Institute

JOSEPH D. SCHONHOFT, PhD
Merck Fellow
“Probing the relation between sequence, aggregation and proteotoxicity in cardiac amyloidoses caused by free antibody light chains” with Jeffery W. Kelly, PhD

Sandford University

CHRISTOPHER J. CAMBIER, PhD*
HHMI Fellow
“In vivo characterization of mycobacterial cording” with Carolyn R. Bertozzi, PhD

ANUPAM K. CHAKRAVARTY, PhD
HHMI Fellow
“Investigating the phenomenon of epigenetic inheritance mediated by non-amyloid protein aggregates” with Daniel F. Jarosz, PhD

KEREN I. HILGENDORF, PhD
Layton Family Fellow
“Role of ciliary IGF-1/AKT signaling in ciliogenesis, adipogenesis, and tissue regeneration” with Peter K. Jackson, PhD

KATHRIN LEPPEK, PhD
Layton Family Fellow
“Mechanistic characterization of 5’UTR RNA elements that confer translational specificity to shape vertebrate embryonic development” with Maria Barna, PhD

LIRON BAR-PELED, PhD
Lallage Feazel Wall Fellow
“Identification of cysteine liabilities in NRF2-driven cancers” with Benjamin F. Cravatt, PhD

EVGENIA N. NIKOLOVA, PhD
Robert Black Fellow
“Recognition of methylated and specific DNA sequences by the zinc finger transcriptional repressor Kaiso and modulation by other nuclear factors” with Peter E. Wright, PhD

KATRIN LEPPEK, PhD
Layton Family Fellow
“Mechanistic characterization of 5’UTR RNA elements that confer translational specificity to shape vertebrate embryonic development” with Maria Barna, PhD

ALBERT G. TSAI, MD, PhD*
Diagnosis of hematologic malignancies from paucicellular aspirate material using highly multiplexed single cell analysis” with Sean C. Bendall, PhD

University of California, Berkeley

JUSTIN M. CREST, PhD
“Cells, ECM, and the mechanical forces that regulate organ shape” with David Bilder, PhD

FUGUO JIANG, PhD
Merck Fellow
“Molecular mechanisms of guide RNA: target dsDNA binding and PAM recognition by CRISPR/Cas9” with Jennifer A. Doudna, PhD

YIN LIU, PhD
Layton Family Fellow
“Sensing lung tumors by pulmonary sensory neurons” with Mark A. Krasnow, MD, PhD

ANDREW R. NAGER, PhD
Fayez Sarofim Fellow
“Dissecting the mechanism of selective diffusion into the primary cilium” with Maxence V. Nachury, PhD

ROHITH K. SRIVAS, PhD
“Longitudinal profiling of host-microbiome interactions in obese patients during drastic weight loss” with Michael P. Snyder, PhD

ALBERT G. TSAI, MD, PhD**
“Diagnosis of hematologic malignancies from paucicellular aspirate material using highly multiplexed single cell analysis” with Sean C. Bendall, PhD
STEVEN LIN, PhD
HHMI Fellow
“Biochemical characterizations and optimization of CRISPR/Cas9 for genome engineering” with Jennifer A. Doudna, PhD

MANDY M. MULLER, PhD
HHMI Fellow
“Widespread RNA destruction and selective preservation during viral infection” with Britt Glaunsinger, PhD

NEEL H. SHAH, PhD
“Interrogating ZAP-70 substrate recognition using high-throughput mutant screening” with John Kuriyan, PhD

NIRANJAN SRINIVAS, PhD*
“Mutual repression, bistability, and switch-like decisions during development” with Hernan G. Garcia, PhD, and Adam P. Arkin, PhD

DAVID W. TAYLOR, PhD
“Structures of the RNA-targeting CRISPR-Cas complex Cmr” with Eva Nogales, PhD

University of California, Los Angeles

MAGDALENA E. POTOK, PhD
HHMI Fellow
“The relationship between epigenetic gene silencing, nuclear architecture, and genome stability” with Steven E. Jacobsen, PhD

MICHAEL A. CIANFROCCO, PhD
HHMI Fellow
“How does dynein achieve processivity?” with Andres Leschziner, PhD, and Samira L. Reck-Peterson, PhD

ERIC L. VAN NOSTRAND, PhD
Merck Fellow
“Improved RNA binding protein target identification by eCLIP-seq and integrative analysis of RNA regulatory networks across neuronal differentiation and medulloblastoma” with Eugene Yeo, PhD

University of California, San Francisco

BRITTANY ADAMSON, PhD
HHMI Fellow
“Comprehensive characterization of the integrated networks that regulate protein homeostasis within the mammalian endoplasmic reticulum” with Jonathan S. Weissman, PhD

TRACY T. CHOW, PhD
“Investigating and engineering non-canonical telomere maintenance mechanisms in human cells” with Elizabeth H. Blackburn, PhD

ALBA DIZ MUÑOZ, PhD
“How neutrophils convert changes in membrane tension to changes in intracellular signaling during chemotaxis” with Orion D. Weiner, PhD, and Daniel A. Fletcher, PhD

QI HU, PhD
“Design of inhibitors of cancer-associated mutant GNAS” with Kevan M. Shokat, PhD

JESSICA P. LAO, PhD
“Identifying metabolic targets of the DNA damage checkpoint” with David P. Toczyski, PhD

University of California, San Francisco

WENYU LUO, PhD
“A Drosophila model to study resilience to social stress and depression-like behavior” with Yuh-Nung Jan, PhD

GABRIELA C. MONSALVE, PhD
Robert Black Fellow
“Identification and characterization of plasma membrane transporters for glucocorticoids” with Keith R. Yamamoto, PhD

LYNSAY M. MURROW, PhD
“Fate specification of mammary stem cells by cell self-sorting” with Zev J. Gartner, PhD

DUY P. NGUYEN, PhD
Connie and Bob Lurie Fellow
“Genome editing via an engineered RNA-guided nuclease to create cancer genetic models” with James A. Wells, PhD

THOMAS M. NORMAN, PhD
“Identifying the stochastic determinants of drug resistance” with Jonathan S. Weissman, PhD

BEVERLY J. PIGGOTT, PhD
Lefkofsky Family Fellow
“Brain tumor suppression by mutation(s) of the voltage-gated sodium channel Para” with Yuh-Nung Jan, PhD

ALEX POLLEN, PhD
“Regulation of proliferation, migration and angiogenesis by genes uniquely expressed in human neural stem cells” with Arnold R. Kriegstein, MD, PhD

ERIN F. SIMONDS, PhD
“Single-cell analysis and targeting of signaling networks in glioblastoma tumor-initiating cells” with William A. Weiss, MD, PhD

JAKOB VON MOLTKE, PhD
HHMI Fellow
“Innate type II cells and wound healing” with Richard Locksley, MD

VICTORIA E. WANG, MD PhD†
“The role of the c-Met/Hepatocyte growth factor (HGF) pathway in drug resistance and tumor metastasis” with Frank McCormick, PhD
ANDREW L. WOLFE, PhD
“The therapeutic potential and biological effects of targeting oncogenic KRAS” with Frank McCormick, PhD

JIAXI WU, PhD*
“Mechanism of dendritic cell missing-self recognition and migration to activate CD4 T cell responses” with Jason Cyster, PhD

COLORADO
University of Colorado, Boulder
JENS C. SCHMIDT, PhD
Merck Fellow
“Single-molecule analysis of telomerase recruitment to telomeres” with Thomas R. Cech, PhD

CONNECTICUT
Yale School of Medicine
ZHUOBIN LIANG, PhD*
“Mechanistic dissection of the Fanconi anemia pathway in coordinating R-loop processing and DNA repair” with Patrick Sung, DPhil, and Gary M. Kupfer, MD

SEYED FAKHREDDIN TORABI, PhD*
“Evolution of triplex-forming RNAs from random sequences: a search for additional MALAT1-like triplex motifs” with Joan A. Steitz, PhD

ILLINOIS
The University of Chicago
JOHN D. LEONARD, PhD*
“Self-antigen recognition by regulatory T cells” with Erin J. Adams, PhD, and Peter A. Savage, PhD

SIGRID NACHTERGAELE, PhD
HHMI Fellow
“The dynamic N1-methyladenosine methylome in eukaryotic mRNA” with Chuan He, PhD

University of Illinois
SARAH Z. TASKER, PhD*
HHMI Fellow
“Synthesis and evaluation of a collection of complex molecules biased for penetration of the blood-brain barrier” with Paul J. Hergenrother, PhD

MARYLAND
John Hopkins University, Baltimore
DANIEL H. GOLDMAN, PhD* Merck Fellow
“Elucidating the role of the exon junction complex in regulating translation of spliced mRNA” with Rachel Green, PhD

CHIH-YUNG LEE, PhD
HHMI Fellow
“Role of chromatin organization in dynamics of transcription initiation” with Carl Wu, PhD

National Institutes of Health
DANFENG CAI, PhD
“Protein crowding and protein folding landscapes as predictors of healthy and diseased cell states” with Jennifer Lippincott-Schwartz, PhD

DANIEL E. WEBSTER, PhD
Philip O’B Montgomery, Jr., MD, Fellow
“Identification and analysis of LncRNAs regulating diffuse large B cell lymphoma” with Louis M. Staudt, MD, PhD

MASSACHUSETTS
Boston Children’s Hospital
MEGAN L. INSFO, MD, PhD*
“Investigating transcriptional cyclin dependent kinases as novel melanoma drug targets” with Leonard I. Zon, MD

Brigham and Women’s Hospital
EMMA WATSON, PhD*
Suzanne and Bob Wright Fellow
“Metabolic stress response: Exploring transcript-level regulation of metabolic feedback” with Stephen Elledge, PhD

TIMOTHY D. MARTIN, PhD
Marion Abbe Fellow
“Identification of factors that induce brown fat activity in cancer cachexia” with Bruce M. Spiegelman, PhD

Dana-Farber Cancer Institute
DENNIS L. BUCKLEY, PhD
Merck Fellow
“Elucidating the mechanism of chromosome bridge resolution” with David S. Pellman, MD

NEIL T. UMBREIT, PhD
HHMI Fellow
“Enhancing anti-tumor immunity via pharmacological inhibition of kinases” with Nathanael S. Gray, PhD
Harvard T.H. Chan School of Public Health

CAITLIN A. BRENNAN, PhD
Dennis and Marsha Dammelman Fellow
“Mechanisms underlying Fusobacterium nucleatum-driven colorectal cancer” with Wendy S. Garrett, MD, PhD

Harvard Medical School

RYAN D. BALDRIDGE, PhD
Fraternal Order of Eagles Fellow
“Investigating the mechanism of retro-translocation by ERAD” with Tom A. Rapoport, PhD

JUSTIN A. BOSCH, PhD*
“Elucidating the biological functions of polypeptide transfer between animal cells” with Norbert Perrimon, PhD

IVANA GASIC, DrSc*
Merck Fellow
“Molecular elucidation of the interphase microtubule integrity response (MIR)” with Timothy J. Mitchison, PhD

NATASHA M. O’BROWN, PhD*
“Molecular and cellular mechanisms of transcytosis regulation in blood-brain barrier function” with Chenghua Gu, PhD

NIKHIL SHARMA, PhD*
“Neural control of breathing” with Stephen Liberles, PhD

JUSTIN L. SPARKS, PhD
“Replicative helicase bypass of bulky DNA adducts?” with Johannes C. Walter, PhD

Harvard University

PHILIP B. ABITUA, PhD*
“Functional characterization of signaling molecules during zebrafish embryogenesis” with Alexander F. Schier, PhD

BRIAN J. BELIVEAU, PhD*
HHMI Fellow
“Decoding Polycomb-mediated gene regulation in single cells with single-molecule super resolution imaging and synthetic biology” with Peng Yin, PhD

AVINASH KHANNA, PhD
Rebecca Ridley Kry Fellow
“Disrupting the protein-protein interactions of CDK8 to target cancer” with Matthew D. Shair, PhD

SUMMER B. THYME, PhD
HHMI Fellow
“Chromatin modifications and pioneer transcription factors in development” with Alexander F. Schier, PhD

Massachusetts General Hospital

KAI MAO, PhD
“Mechanisms of xenobiotic surveillance and regulation” with Gary Ruvkun, PhD

Massachusetts Institute of Technology

WENWEN FANG, PhD
HHMI Fellow
“Mechanism and regulation of primary-microRNA processing” with David P. Bartel, PhD

JUNJIE U. GUO, PhD
Dale F. and Betty Ann Frey Fellow
“Charting the in vivo landscape of RNA-RNA interactions” with David P. Bartel, PhD

ALEXANDER M. JAEGGER, PhD*
HHMI Fellow
“Surveying the chromatin architecture shaped by HSF1 in cancer” with Susan Lindquist, PhD
Damon Runyon Fellowship Awards (Continued)

XIAOXIAO S. LIU, PhD
“Examining the biological function of 5-hmC modification in the mammalian genome” with Rudolf Jaenisch, MD

MARIA M. MIHAYLOVA, PhD
“Examining how nutrient state dependent metabolic reprogramming in adult stem cell niches controls cell renewal, differentiation and tumorigenesis” with David M. Sabatini, MD, PhD

MICHIGAN

University of Michigan

SWATHI YADLAPALLI, PhD
HHMI Fellow
“Neural and genetic basis of metabolic regulation” with Ori T. Shafer, PhD, and Edgar Meyhofer, PhD

NEW YORK

Cornell University

SUDEEP BANJADE, PhD*
HHMI Fellow
“Division of labor in ESCRT-III proteins during polymer assembly and membrane remodeling” with Scott D. Emr, PhD

Cold Spring Harbor Laboratory

CHRISTINE I. CHIO, PhD
Shirley Stein Fellow
“Regulation of the global redox landscape: Investigating the role of Nrf2 in pancreatic cancer development” with David A. Tuveson, MD, PhD

Memorial Sloan Kettering Cancer Center

NICHOLAS ARPAIA, PhD
Robert Black Fellow
“The role of microbiota-derived metabolic signals in shaping the intestinal immune landscape” with Alexander Y. Rudensky, PhD

HARIHAR BASNET, PhD*
“Identifying determinants of latency in brain metastatic breast cancer cells” with Joan Massague, PhD

LYDIA FINLEY, PhD
Jack Sorrell Fellow
“Regulation of cancer cell growth and survival by the propionate catabolic pathway” with Craig B. Thompson, MD

BRYAN C. KING, PhD
Berger Foundation Fellow
“AMPK-induced catabolism of extracellular proteins: a novel survival mechanism for nutrient-deprived cancer cells” with Craig B. Thompson, MD

WILLIAM RAZZELL, PhD
HHMI Fellow
“The role of tension in Hippo pathway signaling” with Jennifer A. Zallen, PhD

AARON D. VINY, MD*
William Raves Charitable Fund Fellow
“Role of the cohesin complex in oncogenic transformation of AML” with Ross L. Levine, MD

Dmitriy Zamarin, MD, PhD†
Dr. Bart A. Kamen Fellow
“Immunotherapeutic approach to cancer treatment integrating oncolytic virotherapy and immune checkpoint regulation” with Jedd D. Wolchok, MD, PhD

New York University School of Medicine

LACY J. BARTON, PhD
“Mechanisms of directed cell migration in a complex in vivo environment” with Ruth Lehmann, PhD

JUNE-YONG LEE, PhD
HHMI Fellow
“Investigation of potential roles of serum amyloid A in peripheral Th17 cell pathogenicity” with Dan R. Littman, MD, PhD

The Rockefeller University

CHAO LU, PhD
Kandarian Family Fellow
“Understanding the mechanism of histone H3 mutation in cancer initiation and maintenance” with C. David Allis, PhD

RAND M. MILLER, PhD
Illini 4000 Fellow
“Chemistry-based dissection of multidrug resistance efflux pump mechanisms in living cells” with Tarun M. Kapoor, PhD

SHRUTI NAiK, PhD
“Immune and epidermal stem cell cross talk in skin inflammation” with Elaine V. Fuchs, PhD

ALEXEY A. SOSHNEV, MD, PhD
HHMI Fellow
“The study of linker histone H1 in transcriptional regulation and genome organization” with C. David Allis, PhD

JONATHAN R. WHICHER, PhD
GE Asset Management Fellow
“Structure and mechanism of the voltage-gated potassium channel hEag1” with Roderick MacKinnon, MD

LINGHE XI, PhD*
Dale F. and Betty Ann Frey Fellow
“WNT signaling and fate specification of normal versus tumorigenic stem cells” with Elaine V. Fuchs, PhD

TEXAS

Baylor College of Medicine

CHRISTINE R. BECK, PhD
HHMI Fellow
“Mechanisms underlying copy number gain in cancer and genomic disorder-associated complex rearrangements” with James R. Lupski, MD, PhD

University of Texas Southwestern Medical Center

LINDSAY B. CASE, PhD*
“Regulation of integrin clustering on supported lipid bilayers” with Michael K. Rosen, PhD

ELISE C. JEFFERY, PhD*
“Characterizing a new hematopoietic stem cell niche factor” with Sean J. Morrison, PhD

RAND M. MILLER, PhD
Illini 4000 Fellow
“Chemistry-based dissection of multidrug resistance efflux pump mechanisms in living cells” with Tarun M. Kapoor, PhD

SHRUTI NAiK, PhD
“Immune and epidermal stem cell cross talk in skin inflammation” with Elaine V. Fuchs, PhD

ALEXEY A. SOSHNEV, MD, PhD
HHMI Fellow
“The study of linker histone H1 in transcriptional regulation and genome organization” with C. David Allis, PhD

JONATHAN R. WHICHER, PhD
GE Asset Management Fellow
“Structure and mechanism of the voltage-gated potassium channel hEag1” with Roderick MacKinnon, MD

LINGHE XI, PhD*
Dale F. and Betty Ann Frey Fellow
“WNT signaling and fate specification of normal versus tumorigenic stem cells” with Elaine V. Fuchs, PhD

TEXAS

Baylor College of Medicine

CHRISTINE R. BECK, PhD
HHMI Fellow
“Mechanisms underlying copy number gain in cancer and genomic disorder-associated complex rearrangements” with James R. Lupski, MD, PhD

University of Texas Southwestern Medical Center

LINDSAY B. CASE, PhD*
“Regulation of integrin clustering on supported lipid bilayers” with Michael K. Rosen, PhD

ELISE C. JEFFERY, PhD*
“Characterizing a new hematopoietic stem cell niche factor” with Sean J. Morrison, PhD
University of Utah School of Medicine
ALESIA N. MCKEOWN, PhD*
HHMI Fellow
“Novel roles for retrogenes in host immunity” with Nels C. Elde, PhD, and Cedric Feschotte, PhD

Howard Hughes Medical Institute Janelia Research Campus
ALBERT TSAI, PhD
“Single-molecule imaging of transcription factors binding dynamics in Drosophila embryos” with Robert H. Singer, PhD

University of Washington
Fred Hutchinson Cancer Research Center
TERA C. LEVIN, PhD
HHMI Fellow
“Master microbial manipulators: how Wolbachia subvert Drosophila development” with Harmit S. Malik, PhD

MATTHEW P. MILLER, PhD
HHMI Fellow
“Regulation of kinetochore assembly” with Susan Biggins, PhD

ANTOINE MOLARO, PhD
“Evolutionary and functional consequences of genetic conflicts between KRAB-Zinc-Fingers and endogenous retroviruses in primate genomes” with Harmit S. Malik, PhD

WASHINGTON

Fred Hutchinson Cancer Research Center

University of Washington

DEPARTMENTS

Fred Hutchinson Cancer Research Center

Patrick A. Brown, MD
Director, Pediatric Leukemia and Lymphoma Program
Johns Hopkins University School of Medicine
Baltimore, Maryland

Peter D. Cole, MD
Associate Professor, Department of Pediatrics
Albert Einstein College of Medicine
Montefiore Medical Center
Bronx, New York

Liza R. Diller, MD
Chief Medical Officer
Dana-Farber Cancer Institute
Boston, Massachusetts

Adolfo A. Ferrando, MD, PhD
Associate Professor of Pediatrics and Pathology
Fred Hutchinson Cancer Research Center
Seattle, Washington

Ying Qi Shirleen Soh, PhD*
“Mapping pathways and mechanisms of virus-host adaptation” with Jesse D. Bloom, PhD

University of Washington

James M. Olson, MD, PhD
Member
Division of Clinical Research
Fred Hutchinson Cancer Research Center
Seattle, Washington

Kristina Roselle, MD
Merck Fellow
“Impact of heterogeneity on the cellular recognition of influenza infection” with Jesse D. Bloom, PhD

Yi Yin, PhD*
William Raveis Charitable Fund Fellow
“Global analysis of DNA break repair by single-cell sequencing” with Jay A. Shendure, MD, PhD

*Initial Year
†Physician Scientist
Damon Runyon—Sohn Pediatric Cancer Fellowship Awards

CALIFORNIA

ÖZLEM AKSOY, PhD
“Understanding the role of translational control in humanized mouse models for medulloblastoma” with Davide Ruggiero, PhD, University of California, San Francisco

ZHIPENG LU, PhD
Layton Family Fellow of the Damon Runyon-Sohn Foundation Pediatric Cancer Fellowship Award
“Elucidating the role of dynamic RNA structures in cancer” with Howard Y. Chang, MD, PhD, Stanford University School of Medicine, Stanford

AMIT J. SABBINIS, MD†
“Exploiting chaperone dependence as a novel therapeutic strategy in alveolar rhabdomyosarcoma” with Trever G. Bivona, MD, PhD, University of California, San Francisco

MARYLAND

STACY L. COOPER, MD†
“The Cebpa +37kb enhancer is a critical target of transformation in acute myeloid leukemia” with Alan D. Friedman, MD, Johns Hopkins University, Baltimore

MICHIGAN

CHALLICE L. BONIFANT, MD, PhD
“Dual-antigen targeting by ENG-T cells as improved anti-AML therapy” with Pavan Reddy, MD, University of Michigan, Ann Arbor

NEW YORK

LY P. VU, PhD
“Uncovering the role of RNA-binding protein Syncrip in acute myeloid leukemia (AML)” with Michael G. Kharas, PhD, and Ross L. Levine, MD, Memorial Sloan Kettering Cancer Center, New York

Pennsylvania

TAMARA P. MILLER, MD**
“Improving adverse event reporting on cooperative oncology group trials” with Richard Aplenc, MD, PhD, Children’s Hospital of Philadelphia, Philadelphia

TENNESSEE

DAVID W. WOESSNER, PhD
“Discovery of new driver alterations in childhood ALL” with Charles G. Mullighan, MBBS, MD, St. Jude Children’s Research Hospital, Memphis

*Initial Year
†Physician Scientist

Damon Runyon-Dale F. Frey Awards for Breakthrough Scientists

GIRA BHABHA, PhD*
“High-resolution studies of dynein structure and mechanism” at New York University Medical School, New York, New York

ALISTAIR N. BOETTIGER, PhD*
“Using super resolution imaging to probe molecular mechanisms of Polycomb silencing” at Stanford University, Stanford, California

MINGYE FENG, PhD*
“Macrophage-mediated immunosurveillance in metastasis” at Stanford University, Stanford, California

RALPH E. KLEINER, PhD*
“Investigating the importance of post-translational microtubule modification using recombinant acetylated tubulin” at Princeton University, Princeton, New Jersey

*Initial Year
†Physician Scientist
Damon Runyon Physician–Scientist Training Award Committee

CHAIR
WILLIAM G. KAELIN, JR., MD
Howard Hughes Medical Institute Investigator
Professor of Medicine
Harvard Medical School
Dana-Farber Cancer Institute
Boston, Massachusetts

LUCY A. GODLEY, MD, PhD
Professor
Department of Medicine
Section of Hematology and Oncology
The University of Chicago Medicine
Chicago, Illinois

PETER S. NELSON, MD
Member
Program in Prostate Cancer Research
Division of Human Biology
Fred Hutchinson Cancer Research Center
Professor, Division of Medical Oncology
Adjunct Professor, Genomic Sciences and Pathology
University of Washington School of Medicine
Seattle, Washington

KORNELIA POLYAK, MD, PhD
Professor of Medicine
Department of Medical Oncology
Dana-Farber Cancer Institute
Harvard Medical School
Boston, Massachusetts

JEREMY N. RICH, MD
Chair, Department Stem Cell Biology and Regenerative Medicine
Lerner Research Institute
The Cleveland Clinic Foundation
Cleveland, Ohio

NORMAN E. SHARPLESS, MD
Director, Lineberger Comprehensive Cancer Center
Wellcome Distinguished Professor of Cancer Research
Departments of Medicine and Genetics
University of North Carolina School of Medicine
Chapel Hill, North Carolina

CASSIAN YEE, MD
Professor, Department of Melanoma Medical Oncology
Professor, Department of Immunology
Division of Cancer Medicine
Director, Solid Tumor Cell Therapy
Center for Cancer Immunology Research
The University of Texas M.D. Anderson Cancer Center
Houston, Texas

DAVID M. KURTZ, MD*
“Response prediction and personalized therapy from mathematical modeling of circulating tumor DNA in non-Hodgkin lymphoma” with Arash A. Alizadeh, MD, PhD, Stanford University School of Medicine, Stanford, California

LORETTA S. LI, MD
“Mechanisms of disease and resistance in CRLF2-rearranged B-cell acute lymphoblastic leukemia” with David Weinstock, MD, at Dana-Farber Cancer Institute, Boston, Massachusetts

*Initial Year

Damon Runyon Physician–Scientist Training Awards

PAVAN BACHIREDDY, MD
“Coevolution of tumor and T cell heterogeneity following immunotherapy” with Catherine J. Wu, MD, at Dana-Farber Cancer Institute, Boston, Massachusetts

GIADA BIANCHI, MD*
Damon Runyon-Celgene Physician-Scientist
“Molecular mechanisms of ROBO1 in multiple myeloma pathogenesis” with Kenneth C. Anderson, MD, Dana-Farber Cancer Institute, Boston, Massachusetts

KRISTOPHER R. BOSE, MD*
“GPC2 as an oncogene and immunotherapeutic target in high-risk neuroblastoma” with John M. Maris, MD, Children’s Hospital of Philadelphia, Pennsylvania

JULIA C. CARNEVALE, MD*
“Developing new therapeutic approaches for pancreatic cancer with homologous recombination repair defects” with Alan Ashworth, PhD, University of California, San Francisco, California

MICHAEL W. DRAZER, MD*
“Defining leukemogenic mechanisms in hereditary hematologic malignancies” with Lucy A. Godley, MD, PhD, The University of Chicago Medicine, Chicago, Illinois

CAROLYN C. JACKSON, MD, MPH
“Genetic dissection of pediatric classic Kaposi sarcoma” with Jean-Laurent Casanova, MD, PhD, at Memorial Sloan Kettering Cancer Center, New York, New York

JULIA C. CARNEVALE, MD*
“Developing new therapeutic approaches for pancreatic cancer with homologous recombination repair defects” with Alan Ashworth, PhD, University of California, San Francisco, California

MICHAEL W. DRAZER, MD*
“Defining leukemogenic mechanisms in hereditary hematologic malignancies” with Lucy A. Godley, MD, PhD, The University of Chicago Medicine, Chicago, Illinois

CAROLYN C. JACKSON, MD, MPH
“Genetic dissection of pediatric classic Kaposi sarcoma” with Jean-Laurent Casanova, MD, PhD, at Memorial Sloan Kettering Cancer Center, New York, New York

*Initial Year
IN NOVEMBER 2015, THE DAMON RUNYON 5K AT YANKEE STADIUM drew more than 2,700 participants and raised nearly $500,000. The 2015 Runyon 5K was presented by MetLife Foundation, with additional support from NYSID, Poland Spring, KRAVE Jerky, Bigelow, Frito Lay, New Era, 24 Hour Fitness, NBC 4 New York, New York Post, SiriusXM Satellite Radio and the New York Yankees.

OUR 2016 ANNUAL BREAKFAST RAISED MORE THAN $1.4 MILLION. Tom Daniel, MD, Chairman, Celgene Research and Bob Hugin, Executive Chairman, Celgene Corporation were honored and introduced by NBC News Special Correspondent and author Tom Brokaw.

THE WILLIAM RAVEIS CHARITABLE FUND HOSTED TWO RAVEIS RIDE + WALK EVENTS in the northeast, raising $550,000 for Damon Runyon scientists. Thank you to everyone at William Raveis for their partnership and support!

DAMON RUNYON BROADWAY TICKETS offers premium seats to all of Broadway’s hits, including sold-out shows like Hamilton (shown above). We are especially grateful to the Shubert Organization, Nederlander Productions, Jujamcyn Theaters, and Disney Theatrical Productions for making this program possible. To purchase tickets and gift certificates, please call (212) 455-0550.
Thank You to Our Donors

Your support this year enabled us to fund **$17 million of research** by the next generation of leading cancer researchers exploring bold new ideas. Since our founding in 1946, in partnership with donors across the nation, Damon Runyon has **invested nearly $320 million** and **funded more than 3,550 young scientists**.

Award Sponsors

We are grateful to our individual, foundation and corporate sponsors who have partnered with us to launch new programs or are funding one or more of our scientists. Donors are able to choose scientists to fund based on location, institution, research focus or cancer type, and the award can be named in recognition of their gift. **Award sponsors are listed on pages 33–35.**

---

**PETER J. TURNBAUGH, PhD**

Laura and Peter Van Camp have sponsored three Damon Runyon Innovators through Nadia’s Gift Foundation. They are pictured here with Peter J. Turnbaugh, PhD, at the University of California, San Francisco, one of their sponsored scientists.

---

Accelerating Cancer Cures

Thank you to Eli Lilly and Company, Celgene, Genentech, Merck, Takeda Pharmaceuticals International, and Pfizer for partnering with us to support the Damon Runyon Clinical Investigator Award and for helping to foster communication and collaboration between our scientists and the biopharmaceutical industry.
Sponsored Awards

We are fortunate to have individual, foundation, and corporate sponsors who have partnered with us to launch or provide continuing support for specific award programs. We thank them for their vision.

DAMON RUNYON-RACHLEFF INNOVATION AWARDS
This award was established thanks to the vision and generosity of Debbie and Andy Rachleff.

EDWARD P. EVANS FOUNDATION INNOVATOR
Eirini P. Papapetrou, MD, PhD
Icahn School of Medicine at Mount Sinai

ISLAND OUTREACH FOUNDATION INNOVATOR
Piero D. Dalerba, MD
Columbia University

NADIA’S GIFT FOUNDATION INNOVATOR
Peter J. Turnbaugh, PhD
University of California, San Francisco

CLINICAL INVESTIGATOR AWARDS
This award was initially established in partnership with Eli Lilly and Company. In addition to the named awards, it is supported by Accelerating Cancer Cures, a collaboration between Damon Runyon and leading biopharmaceutical companies.

GORDON FAMILY CLINICAL INVESTIGATOR
Geoffrey R. Oxnard, MD
Dana-Farber Cancer Institute

JAKE WETCHLER FOUNDATION FOR INNOVATIVE PEDIATRIC CANCER RESEARCH CLINICAL INVESTIGATOR
L. Elizabeth Budde, MD, PhD
City of Hope

METLIFE FOUNDATION CLINICAL INVESTIGATOR
Christopher E. Barbieri, MD, PhD
Weill Cornell Medicine

RICHARD LUMSDEN FOUNDATION CLINICAL INVESTIGATOR
Alex Kentsis, MD, PhD
Memorial Sloan Kettering Cancer Center

CLINICAL INVESTIGATOR CONTINUATION GRANT
Follow-up funding for select Clinical Investigators has been provided thanks to the generosity of the William K. Bowes, Jr. Foundation.

PATTERSON TRUST CLINICAL INVESTIGATOR
Sarat Chandarlapaty, MD, PhD
Memorial Sloan Kettering Cancer Center

FELLOWSHIP AWARDS
The following awards are funded by donors who have generously endowed an award in perpetuity or sponsored an individual Fellow.

DR. BART A. KAMEN FELLOW
Dmitriy Zamarin, MD, PhD
Memorial Sloan Kettering Cancer Center

BERGER FOUNDATION FELLOW
Bryan C. King, PhD
Memorial Sloan Kettering Cancer Center

CONNIE AND BOB LURIE FELLOW*
Duy P. Nguyen, PhD
University of California, San Francisco

DALE F. AND BETTY ANN FREY FELLOW*
Linghe Xi, PhD
The Rockefeller University

DENNIS AND MARSHA DAMMERMAN FELLOW*
Caitlin A. Brennan, PhD
Harvard T.H. Chan School of Public Health

FAYEZ SAROFIM FELLOW*
Andrew R. Nager, PhD
Stanford University School of Medicine

FRATERNAL ORDER OF EAGLES FELLOW
Ryan D. Baldridge, PhD
Harvard Medical School

GE ASSET MANAGEMENT FELLOW
Jonathan R. Whicher, PhD
The Rockefeller University

HOWARD HUGHES MEDICAL INSTITUTE (HHMI) FELLOWS
Brittany Adamson, PhD
University of California, San Francisco
Sudeep Banjade, PhD
Cornell University
Brian J. Beliveau, PhD
Harvard University
Christopher J. Cambier, PhD
Stanford University
Anupam K. Chakravarty, PhD
Stanford University School of Medicine
Casey A. Gifford, PhD
Gladstone Institutes
Alexander M. Jaeger, PhD
Whitehead Institute for Biomedical Research
June-Yong Lee, PhD
New York University School of Medicine
Tera C. Levin, PhD
Fred Hutchinson Cancer Research Center

We are fortunate to have individual, foundation, and corporate sponsors who have partnered with us to launch or provide continuing support for specific award programs. We thank them for their vision.
Alesia N. McKeown, PhD
University of Utah School of Medicine

Matthew P. Miller, PhD
Fred Hutchinson Cancer Research Center

Mandy M. Muller, PhD
University of California, Berkeley

Sigrid Nachtergaele, PhD
The University of Chicago

Jose M. Ordovas-Montanes, PhD
Massachusetts Institute of Technology

Magdalena E. Potok, PhD
University of California, Los Angeles

William Razzell, PhD
Memorial Sloan Kettering Cancer Center

Alexey A. Soshnev, MD, PhD
The Rockefeller University

Rand M. Miller, PhD
The Rockefeller University

Hume A. Stroud, PhD
Harvard Medical School

Sarah Z. Tasker, PhD
University of Illinois

Neil T. Umbrecht, PhD
Dana-Farber Cancer Institute

Thomas S. Vierbuchen, PhD
Harvard Medical School

Sungwook Woo, PhD
Harvard University

Swathi Yadiapalli, PhD
University of Michigan

Boris Zinshteyn, PhD
Johns Hopkins University School of Medicine

ILLINI 4000 FELLOW
Rand M. Miller, PhD
The Rockefeller University

JACK SORRELL FELLOW
Lydia Finley, PhD
Memorial Sloan Kettering Cancer Center

KANDARIAN FAMILY FELLOW
Chao Lu, PhD
The Rockefeller University

KENNETH G. AND ELAINE A. LANGLEY FELLOW*
Tony Y. Tsai, MD, PhD
Harvard Medical School

LALLAGE FEAZEL WALL FELLOW*
Liron Bar-Peled, PhD
Scripps Research Institute

LAYTON FAMILY FELLOWS
Keren I. Hilgendorf, PhD
Stanford University School of Medicine

Kathrin Leppek, PhD
Stanford University School of Medicine

Yin Liu, PhD
Stanford University School of Medicine

LEFKOFSKY FAMILY FELLOW
Beverly J. Piggott, PhD
University of California, San Francisco

MARION ABBE FELLOW*
Timothy D. Martin, PhD
Brigham and Women's Hospital

MERCK FELLOWS
Dennis L. Buckley, PhD
Dana-Farber Cancer Institute

Ivana Gasic, Dr.Sc.
Harvard Medical School

Daniel H. Goldman, PhD
Johns Hopkins School of Medicine

Fuguo Jiang, PhD
University of California, Berkeley

Alistair B. Russell, PhD
Fred Hutchinson Cancer Research Center

Joseph D. Schonhoff, PhD
Scripps Research Institute

PHILIP O'BRYAN MONTGOMERY, JR., MD, FELLOW
Daniel E. Webster, PhD
National Institutes of Health

REBECCA RIDLEY KRY FELLOW*
Jeffrey A. Hussmann, PhD
University of California, San Francisco

ROBERT BLACK FELLOWS
Nicholas Arpaia, PhD
Memorial Sloan Kettering Cancer Center

Serkhan Kir, PhD
Dana-Farber Cancer Institute

Allison N. Lau, PhD
Massachusetts Institute of Technology

Maria M. Mihaylova, PhD
Whitehead Institute for Biomedical Research

Gabriela C. Monsalve, PhD
University of California, San Francisco

Evgenia N. Nikolova, PhD
Scripps Research Institute

SHERRY AND ALAN LEVENTHAL FAMILY FELLOW
Chenxi Tian, PhD
Massachusetts Institute of Technology

SHIRLEY STEIN FELLOW
Christine I. Chio, PhD
Cold Spring Harbor Laboratory

SUZANNE AND BOB WRIGHT FELLOW*
Emma Watson, PhD
Brigham and Women's Hospital

WILLIAM RAVEIS CHARITABLE FUND FELLOWS
Aaron D. Viny, MD
Memorial Sloan Kettering Cancer Center

Yi Yin, MD
University of Washington

This award program was launched in partnership with the generous support of the Sohn Conference Foundation.

DAMON RUNYON-SOHN FOUNDATION PEDIATRIC CANCER FELLOWSHIP AWARDS

Özlem Aksoy, PhD
University of California, San Francisco

Amanda L. Balboni, PhD
Dana-Farber Cancer Institute

Challice L. Bonifant, MD, PhD
University of Michigan

Haihua Chu, PhD
Dana-Farber Cancer Institute

Stacy L. Cooper, MD
Johns Hopkins University
Our Contributors

The Damon Runyon Cancer Research Foundation acknowledges the generosity and support of the many individual, corporate and foundation donors who supported our brilliant researchers through gifts to the Foundation from July 1, 2015 to June 30, 2016. Those whose individual lifetime giving is $100,000 or more are in bold, and those whose lifetime giving exceeds $1 million are noted with two asterisks.** We are especially grateful to these extraordinarily generous and committed donors.

**Our donor lists are checked carefully. However, if you have any corrections or questions, please call 877.722.6237. The full pledge amount is listed in the year the pledge is made. In subsequent years, actual pledge payments are listed.
Mr. Ray Hunt
Independent Charities of America
Estate of Walter E. Kelley
The Muriel and Norman B. Leventhal Family Foundation
Mr. and Mrs. David G. Marshall
Gordon H. & Karen M. Millner Family Foundation
Eugene & Mary Murphy Charitable Gift Fund
The Pew Charitable Trusts
Mr. Roy Pfautch
The Frances and Abraham Reichman Charitable Trust
The Bruce Robert Reid Family Foundation
The San Francisco Foundation
Fred and Donna Seigel
Ms. Karen D. Seitz
The Richard C. and Theresa P. Smith Memorial Fund
Ms. Cynthia F. Sulzberger and Mr. Steven B. Green
Tzedakah Foundation
UBS Financial Services, Inc.

$10,000 TO $24,999
Abide Therapeutics
Alexandria Real Estate Equities, Inc.
Anonymous
Atlantic Health System
Ayco Charitable Foundation
Barthold Family Foundation
Citi
Deutsche Bank Securities Inc.
Mr. and Mrs. Frank Doyle
Echlin Foundation
Lorraine and Bill Egan
Mr. and Mrs. Steven Esnick
The Fine & Greenwald Foundation, Inc.,
GE Asset Management
General Electric Foundation
Goldman, Sachs & Co.
Mr. and Mrs. James Gould
Mr. and Mrs. Scott Greenstein
Mr. Steve Hayden
Estate of Irma T. Hirschl
Ms. Solange and Mr. Michael Hommel
Ms. Sandra J. Horbach and Mr. Steven Skoler
Mr. and Mrs. Wayne M. Hummel
Valerie and Jay Ireland
Jewish Communal Fund
Jones Day
J.P. Morgan
Mr. Steven A. Kandarian
**Mr. and Mrs. Kenneth G. Langone
Charles and Margaret Levin Family Foundation
Estate of Laurie D. Lima
Mr. and Mrs. Henry Mannix III
Ms. Lynn L. Marks
Joe & Pasena Maroun Family Foundation
Mr. and Mrs. Gerald M. Marshall
Northern Biologics
Perrigo Company Foundation
Pfizer Inc.
Pharmaceutical Research and Manufacturers of America (PhRMA)
Proskauer
Pyramid Hotel Group
Quinn Emanuel Urquhart & Sullivan, LLP
Mr. and Mrs. Arthur J. Samberg
Schulte Roth & Zabel LLP
Schwab Charitable
Michael V. Seiden, MD, PhD
Henry J. & Kathleen Singer Family Foundation
Gerri and Andrew Sommers Family Fund
The Symonds Foundation
Vanguard Charitable Endowment Program
Mr. and Mrs. John F. Welch, Jr.
Mr. and Mrs. Gary Wolf
Mr. Peter J. Worth, Alliant Insurance Services

$5,000 TO $9,999
SAM Ventures
Mrs. Carolyn R. Aller
The Allergan Foundation
Anonymous
Barclays
Barnett Family Philanthropic Fund
Mrs. Barbara Lieb Baurnstein Baupost Group, LLC
The Howard Bayne Fund
Benefit Community Impact Fund
Mr. and Mrs. Steven H. Berg
Mr. Frank M. Bumstead
Lewis C. Cantley, PhD
Estate of Laurelia M. Clifford
Mr. and Mrs. Martin J. Cohen
Robyn and Tony Coles
Community Health Systems, Inc.
C.R. Bard, Inc.
Ms. Elizabeth B. Dater and Mr. Mitchell Jennings
Mr. and Mrs. Larry D. Droppa
Mr. and Mrs. Lawrence Foley
Dale & Betty Ann Frey Family Foundation
Friedman Family Foundation
Ms. Erica Evans-Gioffre and Mr. Michael Gioffre
Todd R. Golub, MD
Heitman LLC

Mr. and Mrs. Robert M. Hess
Mr. Clair Howey
Interco Charitable Trust
Mr. Scott R. Isdaner
Mrs. Carolyn June Kaplan
Mr. and Mrs. Michael M. Kassen
Mr. Richard A. Konigsberg
Ms. Patty Kosion
Mr. and Mrs. Jeremy R. Kramer
Ms. Ann E. Levine
The Lichtenberger Foundation
Ms. Susan Lipton
Kenneth J. Livak, PhD
Loynd Family Foundation
**Connie and Bob Lurie
Mr. and Mrs. James I. Magid
Ms. Jami W. McKeon
The Leo Model Foundation, Inc.
Alfred L. Morse and Annette S. Morse Foundation
Mr. and Mrs. Warren K. Myer
Mr. and Mrs. John H. Myers
Nasdaq Inc.
The New York Community Trust
New York State Industries for the Disabled (NYSID)
Palisade Capital Management
The Penates Foundation
Mr. and Mrs. Rahn Pitzer
Mr. Sheldon Pressler
Mr. and Mrs. Michael Repperger
Rose Family Fund
Mrs. Elizabeth B. Ross
Dr. Lief Sannen and Mr. Lawrence Wieman
Sanofi Genzyme
Mrs. Mikell M. Smith
Mr. Wayne T. Smith
Mr. Jonathan Sonneborn
Ms. Robie E. Spector
Mr. James D. Staley
Stewart Senter, Inc.
Mrs. Barbara S. Strauss
Mr. and Mrs. John M. Trani
The Turk Family Foundation
Ueberroth Family Foundation
United Way of Metropolitan Chicago
Mr. and Mrs. E. Scott Urdang
Mr. Jon Vogel
Voya Foundation
Mr. and Mrs. Peter J. Wasserman
Dr. and Mrs. Victor J. Weinstein
Mr. and Mrs. David A. Weiss

$1,000 TO $4,999
Agios
Mr. David Altschuler
Ms. Velma M. Anderson
Anonymous (4)
Mr. and Mrs. Joel Appel
Apple Lane Foundation
Dr. Shelly Artz
Aurora Capital Group

36
Our Contributors (Continued)

Mr. Arthur S. Bahr
Ms. Susannah Bailin
Alan P. Baker, PhD
Ms. Patricia A. Baran
Mr. Richard Barnett
Mr. Tim Barton
Mr. F. Harlan Batrus
Mr. and Mrs. Roger Baumann
BD
Ms. Jill C. Bee
Ms. Robin Bell
Mr. Norman C. Bender
Mr. James Bennett
Ms. Sandye Berger
The Len & Laura Berlik Foundation, Inc.
Ms. Bonnie Bernard
Mrs. Beth Berns
Donald P. Biek, PhD
Ms. Mindee Blanco
BLL Foundation
Mr. Frederic L. Bloch
Mr. David S. Blue
Mr. William Boeh
Mr. and Mrs. Eugene K. Bolton
Ms. Lisa Boncosky
Mr. Brett Boretti
Mr. and Mrs. Thomas J. Bracken
Mr. John Breslow
Ms. Gloria P. Briggs
Mrs. Samantha Brous
Mr. and Mrs. Richard E. Bruce
Rev. and Mrs. C. Frederick Buechner
Steven J. Burakoff, MD
Burlingame Foundation
Mr. and Mrs. Arthur B. Calcagnini
Mr. and Mrs. Patrick J. Callan
Mr. Joseph Carrabino, Jr.
CharityBuzz
Ms. Mary F. Cherif
Ms. Sheila A. Chervin
Ms. Elizabeth M. Christiansen
Ms. Deborah Clayman and Mr. Lawrence Raiman
Mr. Paul Cocco
Mr. John T.J. Coe
Mr. and Mrs. Jay L. Cohan
Ms. Irene Cohen
Mr. Samuel T. Cohen
Mr. Frank Conti
Robert N. Cooney, MD and
Ms. Lorrie M. Cooney
Prof. and Mrs. Daniel R. Cooperman
Mr. Howard J. Cooperman
CORAL Investment Partners
Mr. and Mrs. Michael J. Cosgrove
Mr. and Mrs. Jonathan Crawford
Ms. Maureen Creason
Ms. Dorothy D’Amato
Mr. and Mrs. Pierre J. de Vegh
Mr. Jerome H. Debs II
Mr. and Mrs. Michael DeDominico
Ms. Michelle Delong
Ms. Allyson Dematteo
Mr. Lisa Deslauriers
Mr. and Mrs. Philip DeToledo
Mr. Herb Deuschel
Barbara G. Deutsch, MD
Ms. Cynthia W. DeVine
Mr. and Mrs. John Dilley
Ms. Marjorie Doniger
Ronald I. Dozoretz, MD
Mr. Paul Duhaime
Ms. Josephine J. Dunn
Mr. and Mrs. Dexter D. Earle
Mr. and Mrs. Don C. Eddington
Mitzi & Warren Eisenberg Family Foundation
EOG Resources, Inc.
Ms. Julia Espel
Mr. Robert Ettl
Mr. Robert Evans
Thomas J. Fahey, Jr., MD
Mrs. Roberta Fine
Ms. Leah Finkelstein
FINRA
Robert F. Fisher, PhD
Mr. and Mrs. Mark Fishman
Olivia E. and Adam R. Flatto
Mr. Thomas Florkowski
FORMA Therapeutics
Ms. Linda Frankel
Franklin & Marshall College
Ms. Mary Ann Frenzel
Ms. Effie Fribourg
Mrs. Mary Ann Fribourg
Ms. Terri Friedman
Elaine V. Fuchs, PhD
Gabelli Funds
Mr. Leonard R. Ganz
Mr. and Mrs. Robert W. Garthwait, Sr.
Richard B. Gaynor, MD
Mr. Ken Globus
Mrs. Isabel Glover
Mr. Steve Goldberg
Ms. Lois Goldring
Mr. Carl Golub
Goulston & Storrs
Grabe Foundation
Ms. Elizabeth A. Gray
Patrick William Gray, PhD
Mrs. Ina Haas and Dr. Jerome Haas
John W. Hadden II
Mr. and Mrs. Tarek Hallaba
Mr. Ira Hammerman
Mr. Stephen L. Hammerman
Hanover-Horton Schools
Mr. Stephen Hanson
Mr. Ronald F. Hartenbaum
Ms. Elizabeth Hazard
Ms. Alexes Hazen
Healey Family Foundation
Mr. and Mrs. Gary Helling
Mr. Richard A. Hoffman and
Ms. Lisa Gross
Mr. and Mrs. Edward E. Hood, Jr.
Mr. and Mrs. Daniel Huber
Ms. Mary L. Hull
Mr. and Mrs. Kevin Hungate
Mr. Andre Hunter
Dr. Phyllis Hyde
Indeed
Mrs. Randi Infusino
J.I. Foundation, Inc.
Jewish Community Federation
Johnson-Miller Foundation
William G. Kaelin, Jr., MD
Mrs. Ellen Schwarzman Katz
Mr. and Mrs. Jordan Katz
Mr. Samuel L. Katz
Mr. and Mrs. James H. Kimenker
Ms. Kathleen King
Ms. Kathryn King
Ms. Sue F. King
Mr. and Mrs. Douglas M. Kinney
Mr. Gerold F.L. Klauer
Klingenstein Fund
Mr. and Mrs. Noah J. Knauf
Mr. John Knopf
Ms. Abby Kohnstamm
Ms. Brenda Korff
Mr. Kyle S. Kozloff
Mr. Lawrence J. Kramer
Ms. Wendy Kreeger
H. Frederick Krimendahl II Foundation
Estate of Marie Kronman
Mrs. Rebecca R. Kry
Mr. Bryan Labela
Jeremy D. Lack, DPhil
Ms. Janice R. Lane
William D. & E.M. Lane Foundation
Mr. and Mrs. Mark and Elizabeth Lazarus
Mr. and Mrs. Steven Lazarus
Levin Capital Strategies, LP
Ms. Ann E. Levine
Mr. Gilbert Levine
Mr. Daniel Levy
Mr. Tom Levy
Mr. and Mrs. William Guy Levy
Levy Family Philanthropic Fund
The Edward F. Limato Foundation
Mr. Peter P. Lindley
David M. Livingston, MD
Anthony F. LoFrisco, Esq.
Mr. and Mrs. J. Donald Longenecker
Mr. and Mrs. Curtis Louie
Frank E. & Miriam Loveman Foundation Inc.
Ms. Leslie Lynch
Mr. and Mrs. Timothy Macdonald
Mrs. Barbara Macklowe
Mr. and Mrs. Richard H. Maidman
Mr. and Mrs. James S. Mamary
Ms. Marianne Manzolillo
Mr. David Marcus
Estate of August Mattheyes Fund
MB Real Estate
Mr. Christopher McGarrigal
Mr. and Mrs. William S. McKiernan
Ms. Christine McManus
Mr. James K. McMorrow
Mr. John McStay
Mr. Gary Meader
Mr. Asheet Mehta
The Messinger Foundation, Inc.
Mr. and Mrs. Fred Middleton
Mr. John Mikhail
Ms. Laura Miller
Mr. and Mrs. Russell C. Minkoff
The Minneapolis Foundation
Sanford W. Morhouse, Esq.
Morphotek
Mr. Bruce Mosler
National Mah Jongg League, Inc.
Dr. Herbert E. Natof
Mr. and Mrs. James L. Nesloss
Network For Good
Mrs. Dorothy Neustadter
New Crossways Foundation
Philip A. Newmark, PhD
Mr. Timothy O’Connor
Odyssey Reinsurance Company
Mrs. Paula K. Oppenheim
Mr. and Mrs. Peter Busch
Orthwein
Ms. Megan Pace
Mr. and Mrs. Ronald E. Parr
Mr. Stephen Patterson
Ms. Cindy Pearlstein
Ms. Agnes Pellele
Mr. and Mrs. Jack O. Peiffer
Pells Mayton Foundation, Inc.
Mr. and Mrs. Robert M. Pennoyer
Mr. and Mrs. Charles H. Perlman
Perrigo Company
Mr. Fabio D. Petruzziello
Ms. Elizabeth M. Portland and
Mr. Thomas Toce
Dr. and Mrs. Max Profitt
Ms. Elaine C. Pulk and Mr. James
Wesman
Mr. and Mrs. James M. Pulk
Mr. and Mrs. Robert P. Quinn
Mr. Robert L. Rattet
Ms. Meghan Raveis and Mr. Ryan
Raveis
Mr. Michael Raynes
Dr. Garrett Reisman
Mr. and Mrs. Douglas C. Renfield-Miller
Mr. Peter E. Ricker
Mr. and Mrs. David P. Rittmaster
Mrs. Sheila Robbins
Mr. and Mrs. Gary R. Rockhold
Ms. Elizabeth Roddin
Mr. Steven D. Ross
Mrs. Miriam K. Rothenberg
Mr. Philip R. Rotner
Mr. Joseph D. Roxe
Ms. Julia A. Rubin
Ms. Patricia Ryan
Mr. and Mrs. Donald Sage
Mr. and Mrs. Eric & Corinne
Samson
Mr. and Mrs. Richard L. Sanderson
Ms. Ilene Sands
Mr. Gary Saretsky
Ms. Linda Saslow
Ms. Alisa Savitz
Mr. and Mrs. Anand R. Savur
Dr. David Schenkein
Mr. Norman R. Schlanger
Mr. Joseph D. Roxe
Ms. Julia A. Rubin
Ms. Patricia Ryan
Mr. and Mrs. Donald Sage
Mr. and Mrs. Eric & Corinne
Samson
Mr. and Mrs. Richard L. Sanderson
Ms. Ilene Sands
Mr. Gary Saretsky
Ms. Linda Saslow
Ms. Alisa Savitz
Mr. and Mrs. Anand R. Savur
Dr. David Schenkein
Mr. Norman R. Schlanger
Ms. Tracy Schmidt
Mr. Paul Schnell
Mendon F. Schutt Family Fund
Mr. Cary M. Schwartz
Mr. and Mrs. David G. Schwartz
Ms. Madeline Schwartz
Mr. Marvin C. Schwartz
Mr. and Mrs. Philip C. Schwartz
Mr. Robert D. Scinto
Ms. Amy Segal
Robert J. Seifer Cancer Research
Foundation
William R. Sellers, MD
Mr. and Mrs. Theodore M. Serure
Ms. Nancy Shapiro
Mr. Steven L. Shapiro
Ms. Victoria Shattner
Mr. Keith S. Sherin
Ms. Lois Sherwin
Mr. Ed Shogan
The Sidewater Family
Foundation, Inc.
Ms. Patricia Silverstein
Samuel C. Silverstein, MD
Nancy Simonian, MD
Ms. Paulina Simons
Mr. Alfred J. Smith
Mr. and Mrs. Jeffrey Q. Smith
Mr. and Mrs. Jeffrey Q. Smith
Mr. Joseph Smith
Estate of Mildred A. Smith
Ms. Susan L. Solomon
Philippe Soriano, DSc, PhD
Mr. Walter C. Squire
Mr. Matthew A. Stabin
Mr. and Mrs. Kenneth M. Stabin
Mr. Rocco A. Staino
Mr. and Mrs. Alex Stankevich
Mr. Irving Stenn
Mr. Seth F. Stern
Mr. and Mrs. Adam Strum
Mr. Martin J. Sullivan
Mr. Selby Sullivan
Sutro Biopharma
Mr. Steven Taw
Mr. and Mrs. Sanford V. Teplitzky
The David B. Terk Foundation
Mr. J. Ronald Terwilliger
Mr. and Mrs. Elias
Theodoresopoulos
Mr. Joseph M. Thomas
Craig B. Thompson, MD
Mr. John L. Tishman
Mr. and Mrs. Donald W. Torey
Mr. Daniel Tracy
Ms. Dana Treanor and Mr. Jeffrey
Taschler
Mr. Eddie Trump
Mr. Jeffrey Tucker
Daniel P. and Grace I. Tully
Charitable Trust
United Way of Central Maryland
United Way of Martin County
United Way of New York City
Mr. Craig Varrelman
Mr. Sheldon Vidibor
Ms. Kay E. Wagner
Mr. Robert Waldsbauer
Ms. Joni L. Walser and Mr.
Andrew B. Church
Mr. and Mrs. Frank J. Walter III
Mr. and Mrs. John T. Walter, Jr.
Warburg Pincus, LLC
Ms. Louise Wasso
Mr. and Mrs. Donald C. Weeden
Ms. Terry Wegner and Mr. Robert
Wegner
Mr. Edwin A. Weillier III
David and Candace Weir
Foundation
James A. Wells, PhD
Ms. Dudley B. White
Dr. Janet M. Widra
Estate of Winifred Wiederkerr
Mr. and Mrs. Frank H. Wildt
Mr. and Mrs. Benjamin J. Winter
Mr. James L. Winter
Mr. Seth Wolchok
Mr. Rod Wood
Woodrow Wilson School
Mrs. Betty G. Young
Mr. Seymour W. Zises
Damon Runyon Advisors

The Damon Runyon Advisors act as special advisors to the Foundation in their areas of expertise and are committed to expanding awareness about our important work to the next generation of supporters.

**JILL E. BARGONETTI, PhD**
Professor of Biological Sciences
Hunter College and The Graduate Center
City University of New York

**MS. ERICA EVANS**
Managing Director,
Sales Strategy & Institutional Partnerships
The Hartford Funds

**MS. KAREN FANG**
Managing Director,
Head of Americas FICC Sales, Global Banking and Markets
Bank of America Merrill Lynch

**JEREMY D. LACK, DPhil**
Partner
Athyrium Capital

**MR. GERALD M. MARSHALL**
Co-Chairman and CEO
Amerimar Enterprises, Inc.

**MS. ANNEMARIE NORRIS**
SVP, Group Director,
Behavioral Planning BBDO

**MS. CHRISTINE L. O’DONNELL**
Senior Vice President, Market Philanthropic Director
U.S. Trust, Bank of America Private Wealth Management

**MR. JOHN M. OLIVIERI**
Partner
White & Case LLP

**MR. JAMES C. RIVIEZZO**
Client Director
AIG

**MARCEL R. M. VAN DEN BRINK, MD, PhD**
Head, Division of Hematologic Oncology
Alan Houghton Professor in Immunology | Member, Memorial Sloan Kettering Cancer Center
Professor of Medicine and Immunology, Weill Cornell Medicine

**MR. GARY I. WOLF**
Managing Director
Angelo, Gordon & Co.

Broadway Premier Circle

The Broadway Premier Circle is a group of loyal Damon Runyon Broadway Tickets customers who have made a special donation in support of cancer research. The Premier Circle offers members priority access to tickets and other benefits.

Mr. David Altshuler
Mr. and Mrs. Joel Appel
Mrs. Barbara Lieb Baumstein
Ms. Jill C. Bee
Ms. Robin Bell
Mr. Norman C. Bender
Mr. James Bennett
Mr. and Mrs. Robert S. Birch
Ms. Mindee Blanco
Ms. Lisa Boncosky
Mrs. Samantha Broun
Mr. Frank M. Burnstead
Ms. Mary F. Cherif
Ms. Sheila A. Chervin
Mr. Samuel T. Cohen
Robyn and Tony Coles
Ms. Maureen Creason
Mr. Jerome H. Debs II
Ms. Michelle Delong
Ms. Alyson Dematteo
Mr. and Mrs. Philip DeToledo
Mr. Herb Deuschel
Mr. and Mrs. Larry D. Droppa
Mrs. Carol Dubron-Wittlin
Mr. Paul Duhaime
Mr. and Mrs. Dexter D. Earle
Mr. and Mrs. Warren Eisenberg

Mr. Robert Ettl
Mr. and Mrs. Mark Fishman
Ms. Linda Frankel
Ms. Mary Ann Frenzel
Ms. Effie Fribourg
Ms. Terri Friedman
Mr. Leonor R. Ganz
Mrs. Isabel Glover
Mr. William Grabe
Mr. Ira Hammerman
Ms. Alexis Hazen
Mr. Andre Hunter
Dr. Phyllis Hyde
Mrs. Randi Infusino
Mr. Scott R. Isdaner
Mrs. Carolyn June Kaplan
Mrs. Ellen Schwarzman Katz
Mr. Samuel L. Katz
Mr. and Mrs. James H. Kimenker
Ms. Kathleen King
Ms. Kathryn King
Ms. Sue F. King
Mr. and Mrs. William B. King
Ms. Abby Kohnstamm
Mr. Richard A. Konigsberg
Mr. Kyle S. Kozloff
Mr. and Mrs. Jeremy R. Kramer

Mr. Lawrence J. Kramer
Ms. Wendy Kreeger
Ms. Ellen S. Lane
Mr. and Mrs. Mark and Elizabeth Lazarus
Ms. Ann E. Levine
Mr. Doug Levine
Mr. and Mrs. William Guy Levy
Mr. Daniel Levy
Ms. Susan Lipton
Kenneth J. Livak, PhD
Mr. and Mrs. James I. Magid
Mr. and Mrs. Henry Mannix III
Mr. David Marcus
Ms. Jami W. McKeon
Mr. John Mikhail
Ms. Kimberly Terk Murphy
Mr. and Mrs. James L. Neisloss
Mr. and Mrs. Peter Busch
Orthwein
Ms. Megan Pace
Ms. Cindy Pearlstein
Ms. Agnes Pellel
Mr. Sheldon Pressler
Ms. Elaine C. Pulik and Mr. James Wesman
Mrs. Sheila Robbins
## Discovery Society

**Discovery Society** members are valued supporters who have provided for the Damon Runyon Cancer Research Foundation through planned gifts. These donations provide a vital source of support and fuel future breakthroughs against cancer.

<table>
<thead>
<tr>
<th>Ms. Elaine M. Addis</th>
<th>Lewis L. Lanier, PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anne C. Burkholder, PhD,</td>
<td>Mr. and Mrs. Leo LoFrisco</td>
</tr>
<tr>
<td>and</td>
<td></td>
</tr>
<tr>
<td>Stephen P. Eisenberg, PhD</td>
<td>Mr. D.G. Mitchell</td>
</tr>
<tr>
<td>Mr. and Mrs. Martin J.</td>
<td>Mr. and Mrs. Ronald E.</td>
</tr>
<tr>
<td>Cohen</td>
<td>Parr</td>
</tr>
<tr>
<td>Ms. Ann K. Cote</td>
<td>Mr. and Mrs. Rick</td>
</tr>
<tr>
<td>Mrs. Phyllis Farleigh</td>
<td>Robinson</td>
</tr>
<tr>
<td>Robert F. Fisher, PhD</td>
<td>Mr. Seymour Rosenheck</td>
</tr>
<tr>
<td>Ms. Mary Ann Frenzel</td>
<td>Mrs. Esther E. Schwartz</td>
</tr>
<tr>
<td>Richard B. Gaynor, MD</td>
<td>Ms. Phoebe H. Showers</td>
</tr>
<tr>
<td>Mr. Rick J. Govern</td>
<td>Mrs. Carol H. Stix</td>
</tr>
<tr>
<td>Mr. and Mrs. William C.</td>
<td>Ms. Rose Vaccariello</td>
</tr>
<tr>
<td>Hines</td>
<td>Mr. and Mrs. Arthur</td>
</tr>
<tr>
<td>Mrs. Rebecca R. Kry</td>
<td>Walker</td>
</tr>
</tbody>
</table>

---

## Damon Runyon Broadway Tickets

Support cancer research from the best seats in the theater. Your purchase includes a voluntary tax-deductible donation.

Our gift certificates are perfect for friends and loved ones this holiday season. We'll send a card on your behalf—they can choose the show and date at their convenience, even *Hamilton*!

To find out more, call **212.455.0550** or visit [damonrunyon.org/broadway](http://damonrunyon.org/broadway)

### TICKETS AVAILABLE FOR

<table>
<thead>
<tr>
<th>Aladdin</th>
<th>The Front Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beautiful-The Carole King Musical</td>
<td>Hamilton</td>
</tr>
<tr>
<td>The Book of Mormon</td>
<td>The Humans</td>
</tr>
<tr>
<td>A Bronx Tale</td>
<td>In Transit</td>
</tr>
<tr>
<td>Chicago</td>
<td>Jersey Boys</td>
</tr>
<tr>
<td>The Color Purple</td>
<td>Kinky Boots</td>
</tr>
<tr>
<td>Dear Evan Hansen</td>
<td>Les Liaisons Dangereuses</td>
</tr>
<tr>
<td>The Encounter</td>
<td>The Lion King</td>
</tr>
<tr>
<td>Falsettos</td>
<td>Matilda</td>
</tr>
<tr>
<td>Fiddler on the Roof</td>
<td>Natasha, Pierre &amp; The Great Comet of 1812</td>
</tr>
<tr>
<td>Mr. and Mrs. Philip C. Schwartz</td>
<td>Oh, Hello on Broadway</td>
</tr>
<tr>
<td>Mrs. Cipora Schwartz</td>
<td>On Your Feet</td>
</tr>
<tr>
<td>Ms. Madeline Schwartz</td>
<td>Phantom of the Opera</td>
</tr>
<tr>
<td>Ms. Nancy Shapiro</td>
<td>School of Rock</td>
</tr>
<tr>
<td>Mr. and Mrs. Philip C. Schwartz</td>
<td>Something Rotten!</td>
</tr>
<tr>
<td>Mrs. Cipora Schwartz</td>
<td>Waitress</td>
</tr>
<tr>
<td>Ms. Madeline Schwartz</td>
<td>Wicked</td>
</tr>
</tbody>
</table>

---

## Broadway Premier Circle (Continued)

<table>
<thead>
<tr>
<th>Mr. Philip R. Rotner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Joseph D. Roxe</td>
</tr>
<tr>
<td>Ms. Julia A. Rubin</td>
</tr>
<tr>
<td>Ms. Ilene Sands</td>
</tr>
<tr>
<td>Mrs. Jane Santinelli</td>
</tr>
<tr>
<td>Mr. Gary Saretisky</td>
</tr>
<tr>
<td>Ms. Linda Saslow</td>
</tr>
<tr>
<td>Ms. Tracy Schmidt</td>
</tr>
<tr>
<td>Mr. and Mrs. Philip C. Schwartz</td>
</tr>
<tr>
<td>Mrs. Cipora Schwartz</td>
</tr>
<tr>
<td>Ms. Madeline Schwartz</td>
</tr>
<tr>
<td>Ms. Nancy Shapiro</td>
</tr>
<tr>
<td>Mr. Steven L. Shapiro</td>
</tr>
<tr>
<td>Ms. Victoria Shattner</td>
</tr>
<tr>
<td>Ms. Barbara Sherman</td>
</tr>
<tr>
<td>Ms. Lois Sherwin</td>
</tr>
<tr>
<td>The Sidewater Family</td>
</tr>
<tr>
<td>Foundation, Inc.</td>
</tr>
<tr>
<td>Mr. Alfred J. Smith</td>
</tr>
<tr>
<td>Dr. David Hamilton Smith</td>
</tr>
<tr>
<td>Ms. Susan L. Solomon</td>
</tr>
<tr>
<td>Mr. Jonathan Sonneborn</td>
</tr>
<tr>
<td>Mr. Walter C. Squire</td>
</tr>
<tr>
<td>Mr. Selby Sullivan</td>
</tr>
<tr>
<td>Mr. Steven Taw</td>
</tr>
<tr>
<td>Mr. J. Ronald Terwilliger</td>
</tr>
<tr>
<td>Mr. Joseph M. Thomas</td>
</tr>
<tr>
<td>Mr. Jeffrey Tucker</td>
</tr>
<tr>
<td>Mr. and Mrs. E. Scott Urdang</td>
</tr>
<tr>
<td>Ms. Kay E. Wagner</td>
</tr>
<tr>
<td>Mr. and Mrs. Peter J. Wasserman</td>
</tr>
<tr>
<td>Mr. Edwin A. Weiller III</td>
</tr>
<tr>
<td>Mr. and Mrs. David Weiner</td>
</tr>
<tr>
<td>Dr. and Mrs. Victor J. Weinstein</td>
</tr>
<tr>
<td>Dr. Janet M. Widra</td>
</tr>
<tr>
<td>Owen N. Witte, MD</td>
</tr>
<tr>
<td>Mr. and Mrs. Gary Wolf</td>
</tr>
</tbody>
</table>
Ways to Give

DONATE ONLINE BY VISITING US AT DAMONRUNYON.ORG/DONATE.

CALL US AT 1.877.7CANCER OR 1.877.722.6237, 9AM – 5PM ET, MONDAY TO FRIDAY

DAMON RUNYON CANCER RESEARCH FOUNDATION
55 BROADWAY, SUITE 302
NEW YORK, NY 10006

ONE HUNDRED PERCENT of your donation is tax-deductible.
Many companies match the gifts of employees, spouses and retirees.

Please remember us in your will or trusts. Visit WWW.DAMONRUNYON.ORG/GET-INVOLVED for more information about planned giving.
In Fiscal Year 2016, based on a comprehensive review of our award programs by the Scientific Committee of our Board of Directors, we continued the implementation of several changes to our programs, substantially increasing the duration, dollar amount, and number of awards. These changes were a result of a strategic decision to utilize our endowment, as well as increase donations, to fund new opportunities in cancer research and accelerate progress. In FY2016, we used $10 million from our endowment to support our work.

As in previous years, the financial activities of the Damon Runyon Cancer Research Foundation were audited by RMS US LLP. Below is a snapshot of FY2016. For our complete audited financial statements, please visit our website at www.damonrunyon.org.

---

**Financial Summary**

**Fiscal Year 2016**

---

In Fiscal Year 2016, based on a comprehensive review of our award programs by the Scientific Committee of our Board of Directors, we continued the implementation of several changes to our programs, substantially increasing the duration, dollar amount, and number of awards. These changes were a result of a strategic decision to utilize our endowment, as well as increase donations, to fund new opportunities in cancer research and accelerate progress. In FY2016, we used $10 million from our endowment to support our work.

As in previous years, the financial activities of the Damon Runyon Cancer Research Foundation were audited by RMS US LLP. Below is a snapshot of FY2016. For our complete audited financial statements, please visit our website at www.damonrunyon.org.

---

**SUMMARY OF BALANCE SHEETS**

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Assets</td>
<td>$145,440,975</td>
<td>$135,646,786</td>
</tr>
<tr>
<td>Total Liabilities</td>
<td>$25,930,143</td>
<td>$29,816,543</td>
</tr>
<tr>
<td>Total Net Assets</td>
<td>$119,510,832</td>
<td>$105,830,243</td>
</tr>
</tbody>
</table>

---

**OUR OVERHEAD IS PAID FROM OUR ENDOWMENT AND DAMON RUNYON BROADWAY TICKETS, ALLOWING**

100% of your donation to support cancer research.
To accelerate breakthroughs, the Damon Runyon Cancer Research Foundation provides today’s best young scientists with funding to pursue innovative cancer research. Our goal is to foster the talent capable of revolutionizing the prevention, detection, and treatment of all forms of cancer.