



33%
MORE




WE ARE EXPANDING OUR PROGRAMS BY 33%

This is the most promising and exciting time in the history of cancer research. We are on the cusp of major breakthroughs, and we need the greatest scientific minds to capitalize on this opportunity.

For 68 years, the Damon Runyon Cancer Research Foundation's role has been to find brilliant and daring young scientists and provide them with funding, mentorship and a community that will enable them to do groundbreaking work.

Beginning this year, we will be doing even more. Our Board of Directors has approved an aggressive 33% increase in our research funding to expand our existing programs and launch an important new initiative.



WE ARE INCREASING OUR SUPPORT OF THE BEST AND BRIGHTEST FELLOWS

After a young scientist receives her PhD, the next step is a postdoctoral fellowship. It is during this crucial time that she chooses the direction of her future research, working in partnership with a mentor who will guide and advise her, helping her become the best scientist she can be.

The most brilliant and talented of these postdoctoral fellows are selected from a highly competitive applicant pool to receive a Damon Runyon Fellowship Award. Damon Runyon Fellows are energetic, bold and driven. With our recruitment and support, their track record of success is unparalleled.

Until now, we provided three years of support to Damon Runyon Fellows. Because it now takes longer to complete their research and transition to an independent position, we have added funding for a fourth year.

Our fellows are elated by the news.

DAMON RUNYON FELLOWS: AN IMPRESSIVE TRACK RECORD

- ▶ First to cure a solid tumor with chemotherapy
- ▶ Identified the first cancer-causing gene
- ▶ Pioneered the field of chemoprevention
- ▶ Co-discovered BRCA1, a breast cancer gene
- ▶ First to use genomics to predict response to cancer therapy

and the list goes on....

THIS IS ABSOLUTELY AMAZING NEWS!

It says a lot about the Foundation that you were willing to review your fellowship program and actually made changes based on what you felt was best for your trainees. You don't often come across an organization that is truly invested in supporting its award recipients, especially if it means a lot of work on the Foundation's end!

~~~~~  
Leah Sabin, PhD  
Cold Spring Harbor Laboratory  
Exploring the role of lncRNAs in blood cell development and cancers



## DAMON RUNYON IS THE FIRST

funding source to acknowledge that biomedical postdoctoral fellowships now routinely last 4-6 years. Other fellowships would be wise to emulate this trendsetting decision.

~~~~~  
Jakob von Moltke, PhD
HHMI Fellow
University of California, San Francisco
Understanding the immune system's function in wound healing and its potential connection to tumor development




A portrait of Leo D. Wang, MD, PhD, a man with dark hair and glasses, smiling. He is wearing a light pink shirt.

THANK YOU, THANK YOU, THANK YOU.

I cannot begin to tell you how important this is to me and to my science. I am truly stunned. At a time when the entire funding universe is stepping back, you are moving forward. I am honored, and humbled, to be associated with this amazing organization.

~~~~~  
Leo D. Wang, MD, PhD  
Damon Runyon-Sohn Fellow  
Dana-Farber Cancer Institute  
Targeting leukemia stem cells to overcome drug resistance in pediatric cancers

A portrait of Gabriela Monsalve, PhD, a woman with long dark hair, smiling. She is wearing a dark top and large hoop earrings.

## NOT ONLY DOES THIS MAKE THE DAMON RUNYON FELLOWSHIP THE PREMIER POSTDOCTORAL FELLOWSHIP,

it also demonstrates to us scientists how much support and faith your contributors have in biomedical research. I applaud Damon Runyon for championing the belief that breakthroughs in human health come from fresh and innovative ways of thinking.

~~~~~  
Gabriela Monsalve, PhD
Robert Black Fellow
University of California, San Francisco
Improving the effectiveness of glucocorticoids in cancer treatment

A portrait of Melanie Issigonis, PhD, a woman with long brown hair, smiling. She is wearing a dark top.

IN THIS INCREASINGLY UNCERTAIN FUNDING CLIMATE,

I congratulate Damon Runyon in its unwavering efforts to support young scientists. Less time writing for funding directly translates into more time thinking about and performing innovative science.

~~~~~  
Melanie Issigonis, PhD  
HHMI Fellow  
University of Illinois  
Exploring germ cell genetic pathways and their potential role in cancer development

A portrait of Chao Lu, PhD, a man with dark hair, smiling. He is wearing a light-colored shirt.

## I AM THRILLED.

[An extra year] means I can simply focus 100% on science for my postdoctoral training period. My mentor and I appreciate the generous support from the Foundation and hope that our project can lead to significant breakthroughs in cancer research to repay the trust of the Foundation and the donors.

~~~~~  
Chao Lu, PhD
Kandarian Family Fellow
The Rockefeller University
Understanding how gene expression goes awry in pediatric brain tumors and sarcomas

WE WILL RECRUIT THE NEXT GENERATION OF PHYSICIAN-SCIENTISTS

Many of the greatest breakthroughs of the 20th century came from physicians who treated patients dying from cancer. Frustrated by their inability to cure their patients, they were determined to find new ways to save them. Today, physicians remain the critical connection between the lab and cancer patients, working closely with their PhD counterparts to develop new treatments.



SIDNEY FARBER, MD

pioneered the field of pediatric oncology. His work and that of Emil Frei, MD, and Emil Freireich, MD, resulted in combination chemotherapy treatments that have increased childhood acute leukemia survival rates to 90%.



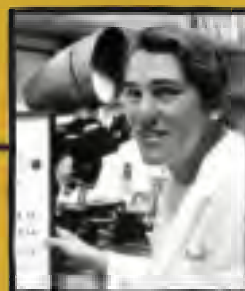
MIN CHIU LI, MD

first used chemotherapy to cure metastatic cancer. He was a Damon Runyon Fellow from 1953-1955.



JUDAH FOLKMAN, MD

demonstrated that tumors grow their own blood vessel supply, leading to new treatments for colorectal, breast, brain, and other cancers.



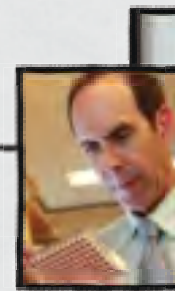
JANET D. ROWLEY, MD

identified chromosomal translocations as the cause of mutations giving rise to leukemias.

IN RECENT DECADES, FEWER AND FEWER PHYSICIANS ARE CHOOSING RESEARCH CAREERS,

driven away by lack of training opportunities, lower salaries than in clinical careers, and large medical school loans.

Because we cannot afford to lose the critical insights these physician-scientists bring to the laboratory and clinic alike, we are launching a new award program to recruit top medical school graduates into cancer research. Our Physician-Scientist Training Award will provide the funding, mentorship, research time, and loan repayment necessary to transform top young physicians into leading cancer researchers.



BRIAN J. DRUKER, MD & CHARLES L. SAWYERS, MD

relentlessly sought a drug that could inhibit the effect of the genetic mutation that causes chronic myeloid leukemia. The result is Gleevec, which turned a universally fatal cancer into a treatable disease.



BERT VOGELSTEIN, MD

established the field of cancer genomics, proving that sequential mutations give rise to colorectal and other cancers.



CARL H. JUNE, MD

developed gene therapies that use a patient's own immune system to fight blood, pancreatic, and other cancers.



WE ARE BECOMING MORE SAVVY INVESTORS IN INNOVATION

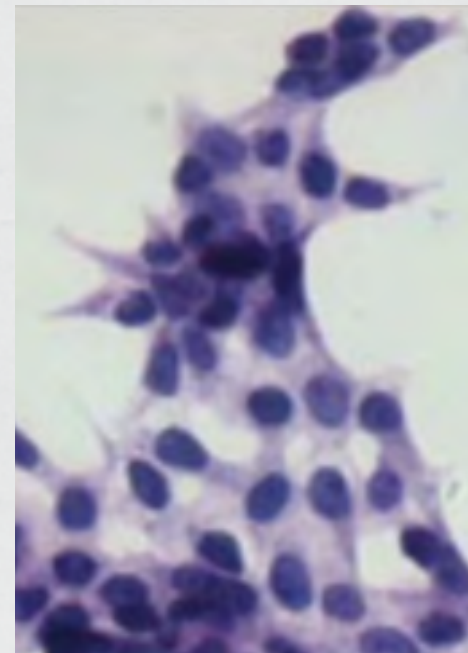


While working as a researcher at Dana-Farber Cancer Institute in Boston, James (Jay) E. Bradner, MD, was determined to target the “master regulators”

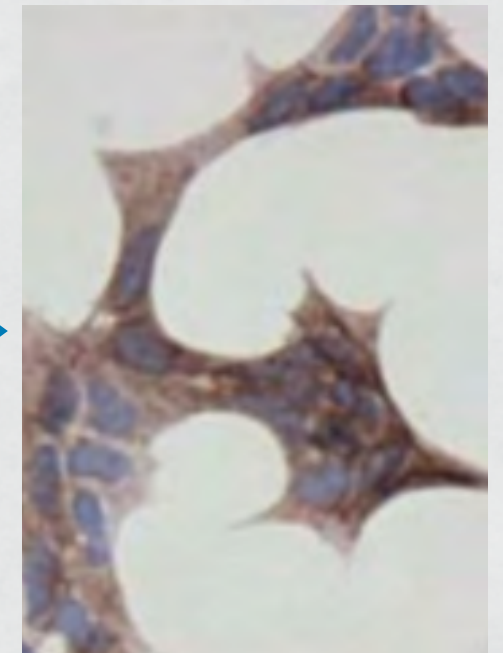
of cancer cells, the genes that transform normal cells into cancer cells. Other researchers had tried to target these elusive genes, but it had proved so difficult that most efforts had been abandoned.

Jay was not ready to give up on the idea even though others said it was impossible. Instead, he applied for a Damon Runyon-Rachleff Innovation Award designed to fund risky ideas that, if successful, could transform cancer treatment. As an Innovator, Jay has developed new compounds to target master regulators, now being tested in patients, and has founded several biotechnology companies to further his drug development work. He shares his findings with any researcher who requests them, believing open-source collaboration accelerates progress.

CANCER CELLS



NORMAL CELLS



When treated with Jay's compound, cancer cells “turn back” into normal cells. A new drug developed from this research called TEN-O10 is currently being tested in phase I clinical trials on patients with a range of cancers.

JAY'S IDEA WAS BOLD, UNTESTED, AND ULTIMATELY SUCCESSFUL. OUR GOAL IS TO FIND EVEN MORE IDEAS LIKE THIS.

Going forward, our Innovation Award will invest more deeply in daring new ideas. Instead of three years of funding, we will give each new Innovation Award recipient two years of funding to test their idea. At that point, they will present their progress to our Innovation Award Committee, comprised of proven innovators in cancer research. The Committee will determine whether the idea continues to show promise. Those that do will get **two more years** of funding to see the work through to its potentially transformational conclusion.



33% MORE

investment in cancer research means more support for the next generation of scientists to conduct work that will lay the foundation for careers filled with untold discoveries. It means more laboratory breakthroughs will be translated into cures for patients. It means more revolutionary new ideas will have a chance to change the way we think about treating and diagnosing cancer.

**IT MEANS MORE
CANCER RESEARCH
THAT SAVES LIVES.**

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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, possibility of extension of 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 Clinical Investigator Continuation Grant

Supports Damon Runyon Clinical Investigators who are approaching the end of their original three-year awards and need extra time and funding to complete a promising avenue of research or initiate/continue a clinical trial.

TWO-YEAR AWARD:

\$300,000

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
THREE-YEAR AWARD:

Basic Scientists:
\$208,000
Physician-Scientists:
\$248,000

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
THREE-YEAR AWARD:

Basic Scientists:
\$208,000
Physician-Scientists:
\$248,000

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



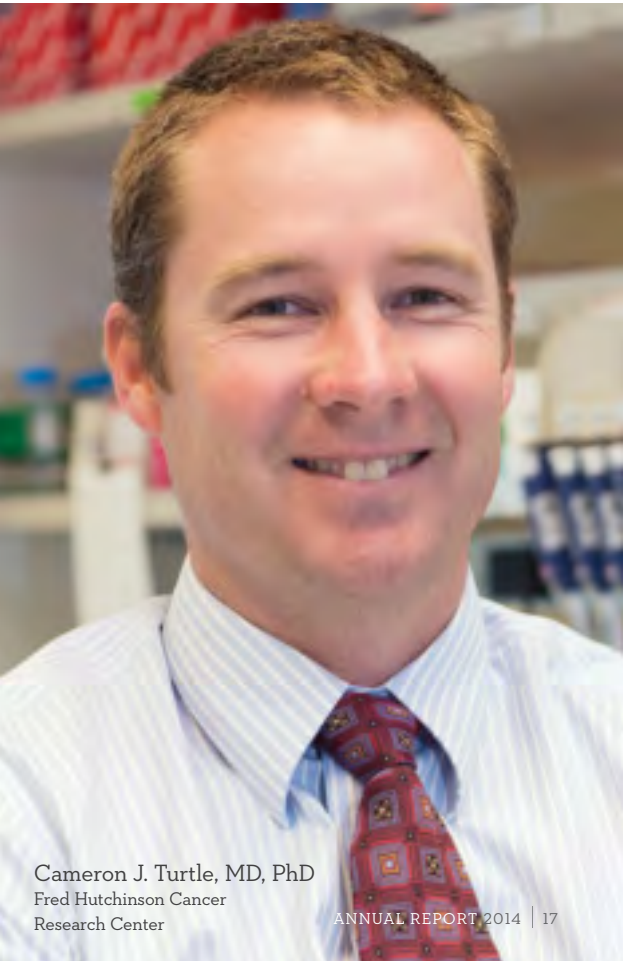
Feng Zhang, PhD
The Broad Institute of MIT and Harvard



Trudy G. Oliver, PhD
Huntsman Cancer Institute, University of Utah



Himisha Beltran, MD
Weill Medical College of Cornell University



Cameron J. Turtle, MD, PhD
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DAMON RUNYON-RACHLEFF INNOVATION AWARDS

CALIFORNIA

MICHAEL Z. LIN, MD, PhD
“Building the magic bullet: protein
switches for sensing oncogenic signals
and executing therapeutic programs”
at Stanford University School of
Medicine, Stanford

MATTHEW R. PRATT, PhD
“O-GlcNAc as a ‘sweet’ link between
metabolism and survival in cancer” at
the University of Southern California,
Los Angeles

COLORADO

JAY R. HESSELBERTH, PhD
“Peptide identification by massively-
parallel sequencing” at the University
of Colorado Denver, Aurora

ILLINOIS

SARAH M. WIGNALL, PhD
Lau/Palihapitiya Innovator
“Probing centrosome-clustering
mechanisms to identify targets
for new cancer therapies” at
Northwestern University, Evanston

MASSACHUSETTS

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

BRADLEY L. PENTELUTE, PhD
“Striking cancer with intracellular
antibodies” at Massachusetts Institute
of Technology, Cambridge

ERANTHIE WEERAPANA, PhD
“Targeting reactive cysteine residues
for cancer therapy” at Boston College,
Chestnut Hill

FENG ZHANG, PhD
“Development and application
of genome and epigenome
engineering tools for cancer
research” at The Broad Institute
of MIT and Harvard, Cambridge

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

CHRISTINE MAYR, MD, PhD
Island Outreach Foundation Innovator
“A functional atlas of lymphoma
specific aberrations generated by
RNA processing” at Memorial Sloan
Kettering Cancer Center, New York

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

AGNEL SFEIR, PhD
“Pathways involved in preserving the
genomic stability of mitochondrial
DNA” at the New York University
School of Medicine, New York

OREGON

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

PENNSYLVANIA

GREGORY L. BEATTY, MD, PhD
Nadia's Gift Foundation Innovator
“Targeting macrophages for cancer
therapy” at the University of
Pennsylvania, Philadelphia

TEXAS

NICHOLAS E. NAVIN, PhD
Nadia's Gift Foundation Innovator
“Developing single-cell sequencing
methods to investigate metastatic
seeding in breast cancer” at MD
Anderson Cancer Center, Houston

UTAH

TRUDY G. OLIVER, PhD
“Mechanisms of drug resistance
in small cell lung cancer” at the
Huntsman Cancer Institute,
University of Utah, Salt Lake City

*Initial Year

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Department of Molecular Genetics
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DAMON RUNYON CLINICAL INVESTIGATOR AWARDS

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

LIHUA E. BUDDE, MD, PhD *
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

HOLBROOK E. KOHRT, MD, PhD
“Augmenting anticancer antibody
therapies through selective activation
of NK cells” with Ronald Levy, MD,
Stanford University School of
Medicine, Stanford

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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

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

PETER HAMMERMAN, MD, PhD *
“Development of personalized
cancer immunotherapy” with
Glenn Dranoff, MD, Stephen
F. Hodi, MD and Kwok-Kin
Wong, MD, PhD, Dana-Farber
Cancer Institute, Boston

ANN MULLALLY, MD
“Determining the role of
aberrant growth factor signaling
in maintaining disease-propagating
cells and mediating JAK2 inhibitor
resistance in myeloproliferative
neoplasms” with Benjamin L.
Ebert, MD, and Daniel J.
DeAngelo, MD, Brigham and
Women's Hospital, Boston

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Doris Duke Clinical Investigator
“Targeting aberrant signaling
pathways in myeloproliferative
neoplasms” with Daniel C. Link, MD,
Washington University, St. Louis

NEW YORK

OMAR ABDEL-WAHAB, MD
Edward P. Evans Foundation
Clinical Investigator
“Understanding and targeting altered
histone modifiers in the myeloid
malignancies” with Ross L. Levine,
MD, Memorial Sloan Kettering
Cancer Center, New York

HIMISHA BELTRAN, MD
Gordon Family Clinical Investigator
“Utilizing genome sequencing to
elucidate mechanisms of resistance in
advanced prostate cancer” with Mark
A. Rubin, MD, Weill Medical College
of Cornell University, New York

JOSHUA BRODY, MD *
“Flt3L-primed ‘in situ’ vaccination
for low-grade lymphoma - phase I/
II study of intratumoral injection of
rhuFlt3L and poly-ICLC with low-
dose radiotherapy [NCT01976585]”
with Nina Bhardwaj, MD, PhD, and
Miriam Merad, MD, PhD, Mount
Sinai Hospital, 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

LUC G. MORRIS, MD *
“Functionalizing recurrent FAT1
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

NORTH CAROLINA

CAREY K. ANDERS, MD
“mTOR inhibition in the treatment
of HER2-positive breast cancer brain
metastases” with Lisa A. Carey, MD,
Charles M. Perou, PhD, and Gary L.
Johnson, PhD, University of North
Carolina, Chapel Hill

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

TENNESSEE

CHRISTINE M. LOVLY, MD, PhD
“Developing novel therapeutic
strategies for ALK-fusion positive
lung cancer” with William Pao, MD,
PhD, Vanderbilt University, Nashville

TEXAS

DEEPAK NIJHAWAN, MD, PhD
“Using chemistry to identify new
targets in lung cancer” with Steve
L. McKnight, PhD, and David H.
Johnson, MD, University of Texas
Southwestern Medical Center, Dallas

UTAH

KEVIN B. JONES, MD
“The mitochondrial apoptosis
pathway in synovial sarcoma”
with Mario R. Capecchi, PhD,
and Sunil Sharma, MD, Huntsman
Cancer Institute, University of
Utah, Salt Lake City

WASHINGTON

CAMERON J. TURTLE, MD, PhD
“The impact of the colonic
microbiota on reconstitution of
CD161hi cells and clinical outcomes
after allogeneic hematopoietic stem
cell transplantation” with Stanley
R. Riddell, MD, Fred Hutchinson
Cancer Research Center, Seattle

* Initial Year

DAMON RUNYON CLINICAL INVESTIGATOR
AWARD CONTINUATION GRANTS

CALIFORNIA

JEAN Y. TANG, MD, PhD
“Mechanisms of acquired resistance to Hedgehog pathway inhibitors in basal cell carcinomas” with Philip A. Beachy, PhD, and Ervin H. Epstein, MD, Stanford University School of Medicine, Stanford

CONNECTICUT

TOBIAS J. CARLING, MD, PhD
“Molecular genetics of endocrine tumor disease” with Richard P. Lifton, MD, PhD, and Robert Udelsman, MD, Yale University School of Medicine, New Haven

MICHIGAN

N. LYNN HENRY, MD, PhD
Lilly Clinical Investigator
“Pain processing pathway analysis in aromatase inhibitor-associated musculoskeletal syndrome” with Daniel F. Hayes, MD, University of Michigan, Ann Arbor

NEW YORK

ZSOFIA K. STADLER, MD
“Genomic assessment of de novo germline cancer susceptibility in pediatric malignancies” with Kenneth Offit, MD, MPH, and Michael H. Wigler, PhD, Memorial Sloan Kettering Cancer Center, New York

WASHINGTON

MARIE BLEAKLEY, MD, PhD
Richard Lumsden
Foundation Investigator
“Segregating the GVL effect from GVHD in humans” with Stanley R. Riddell, MD, Fred Hutchinson Cancer Research Center, Seattle

BRIAN G. TILL, MD
Pfizer Clinical Investigator
“Optimization of adoptive immunotherapy for lymphoma using genetically modified CD20-specific T cells” with Oliver W. Press, MD, PhD, Fred Hutchinson Cancer Research Center, Seattle

DAMON RUNYON FELLOWSHIP AWARD COMMITTEE

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Program Director, Cancer Genetics
Lineberger Comprehensive Cancer Center
University of North Carolina School of Medicine
Chapel Hill, North Carolina

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Professor, The Solomon H. Snyder Department of Neuroscience
Johns Hopkins University School of Medicine
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Professor, The Jackson Laboratory
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Director, Science Park
Director, Center for Cancer Epigenetics
The University of Texas MD Anderson Cancer Center
Smithville, Texas

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Institute for Cancer Genetics
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New York, New York

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Member, Developmental Biology Program
Memorial Sloan Kettering Cancer Center
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CHRISTINA LESLIE, PhD
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Computational Biology Program
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Diabetes Center
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San Francisco, California

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CLODAGH O’SHEA, PhD
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William Scandling Developmental Chair, Salk Institute for Biological Studies
La Jolla, California

ELAINE A. OSTRANDER, PhD *
Chief and Senior Investigator
Cancer Genetics Branch Head
Comparitive Genetics Section
National Human Genome Research Institute
Bethesda, Maryland

* Dr. Ostrander is serving in her personal capacity

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Memorial Sloan Kettering Cancer Center
New York, New York

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Stanford, California

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Professor of Oncological Sciences
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Associate Professor of Biological Sciences and Department of Chemistry
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New York, New York

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

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

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, University of California, San Francisco

LIRON BAR-PELED, PhD *
Lallage Feazel Wall Fellow
“Proteolytic regulation of the adaptive immune response: identification of caspase-8 substrates required for T cell activation” with Benjamin F. Cravatt, PhD, Scripps Research Institute, La Jolla

GIRA BHABHA, PhD
Merck Fellow
“High-resolution studies of dynein structure and mechanism” with Ronald D. Vale, PhD, University of California, San Francisco

CHRISTOPHER J. BOHLEN, PhD
“Glial activation in neuropathic injury and pain” with Ben A. Barres, MD, PhD, Stanford University School of Medicine, Stanford

GAMZE Ö. ÇAMDERE, PhD
“In vitro and in vivo characterization of cohesin-DNA interaction” with Douglas E. Koshland, PhD, University of California, Berkeley

STEVEN D. CAPPELL, PhD
“Molecular dynamics of the G1/S transition” with Tobias Meyer, PhD, Stanford University School of Medicine, Stanford

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

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

DAMON RUNYON FELLOWSHIP AWARDS (continued)

ELIE J. DINER, PhD

“Transcription of an expanded genetic alphabet in a semi-synthetic bacterium” with Floyd Romesberg, PhD, Scripps Research Institute, La Jolla

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, University of California, San Francisco

DAMIAN C. EKIERT, PhD

“Exploring the role of a novel, polymorphic protein family in *M. tuberculosis* pathogenesis” with Jeffery S. Cox, PhD, University of California, San Francisco

MARY W. ELTING, PhD

“Probing how kinetochore-fibers anchor to spindles to robustly and accurately segregate chromosomes” with Sophie Dumont, PhD, University of California, San Francisco

MINGYE FENG, PhD

“Macrophage-mediated immunosurveillance in metastasis” with Irving L. Weissman, MD, Stanford University School of Medicine, Stanford

ARI J. FIRESTONE, PhD

“Investigation of Acyl Protein Thioesterase 1 and 2 as potential therapeutic targets in NRAS driven leukemias” with Kevin M. Shannon, MD, University of California, San Francisco

CASEY A. GIFFORD, PhD *

HHMI Fellow
“Dissecting the role of pioneer transcription factors in cancer progression” with Deepak Srivastava, MD, Gladstone Institutes, San Francisco

ITAMAR HAREL, PhD

“Defined factors for the rejuvenation of aged cells” with Anne Brunet, PhD, Stanford University School of Medicine, Stanford

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, Stanford University School of Medicine, Stanford

ANKUR JAIN, PhD *

“Formation and function of mRNA processing bodies” with Ronald D. Vale, PhD, University of California, San Francisco

FUGUO JIANG, PhD *

Merck Fellow
“Molecular mechanisms of guide RNA: target dsDNA binding and PAM recognition by CRISPR-Cas9” with Jennifer A. Doudna, PhD, University of California, Berkeley

JOHN J. KARIJOLICH, PhD

“Characterizing mechanisms by which Kaposi sarcoma-associated herpesvirus modulates cellular gene expression” with Britt A. Glaunsinger, PhD, University of California, Berkeley

JESSICA P. LAO, PhD

“Identifying substrates of the mammalian Cullin3-RING E3 ligases” with David P. Toczyski, PhD, University of California, San Francisco

STEVEN LIN, PhD

HHMI Fellow
“Molecular mechanism of Cas9, an RNA-guided DNA endonuclease” with Jennifer A. Doudna, PhD, University of California, Berkeley

YIN LIU, PhD *

Layton Family Fellow
“Sensing lung tumors by pulmonary sensory neurons” with Mark A. Krasnow, MD, PhD, Stanford University School of Medicine, Stanford

WENYU LUO, PhD

“A *Drosophila* model to study resilience to social stress and depression-like behavior” with Yuh-Nung Jan, PhD, University of California, San Francisco

GABRIELA C. MONSALVE, PhD *

Robert Black Fellow
“Identification and characterization of plasma membrane transporters for glucocorticoids” with Keith R. Yamamoto, PhD, University of California, San Francisco

MANDY M. MULLER, PhD *

HHMI Fellow
“Widespread RNA destruction and selective preservation during viral infection” with Britt Glaunsinger, PhD, University of California, Berkeley

ANDREW R. NAGER, PhD

Fayez Sarofim Fellow
“Dissecting the mechanism of selective diffusion into the primary cilium” with Maxence V. Nachury, PhD, Stanford University School of Medicine, Stanford

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, University of California, San Francisco

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, Scripps Research Institute, La Jolla

DOUGLAS H. PHANSTIEL, PhD

“Exploring the regulatory role of long-range chromatin interactions” with Michael P. Snyder, PhD, Stanford University School of Medicine, Stanford

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, University of California, San Francisco

ALEX POLLEN, PhD

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

LISA R. RACKI, PhD

HHMI Fellow
“Polyphosphates and stationary phase survival” with Dianne K. Newman, PhD, California Institute of Technology, Pasadena

NEEL H. SHAH, PhD *

“Interrogating ZAP-70 substrate recognition using high-throughput mutant screening” with John Kuriyan, PhD, University of California, Berkeley

ERIN F. SIMONDS, PhD *

“Single-cell analysis and targeting of signaling networks in glioblastoma tumor-initiating cells” with William A. Weiss, MD, PhD, University of California, San Francisco

ROHITH K. SRIVAS, PhD *

“Longitudinal profiling of host-microbiome interactions in obese patients during drastic weight loss” with Michael P. Snyder, PhD, Stanford University School of Medicine, Stanford

LORA B. SWEENEY, PhD

HHMI Fellow
“Spinal circuit remodeling during developmental transitions in motor behavioral strategy” with Christopher R. Kintner, PhD, and Thomas M. Jessell, PhD, Salk Institute, La Jolla

ERIC L. VAN NOSTRAND, PhD

Merck Fellow
“Identification and analysis of functionally relevant RNA binding protein regulatory networks in medulloblastoma” with Eugene Yeo, PhD, University of California, San Diego, La Jolla

JAKOB VON MOLTKE, PhD

HHMI Fellow
“Innate type II cells and wound healing” with Richard Locksley, MD, University of California, San Francisco

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, University of California, San Francisco

YANLING WANG, PhD

Robert Black Fellow
“Diversity generating retroelement-mediated surface-protein display in *Bacteroides fragilis* and its roles in host-microbe interactions” with Jeffery F. Miller, PhD, University of California, Los Angeles

ARUN P. WIITA, MD, PhD *

“Novel biomarker discovery for monitoring chemotherapeutic efficacy” with James A. Wells, PhD, University of California, San Francisco

COLORADO

JENS C. SCHMIDT, PhD

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

ILLINOIS

MELANIE ISSIGONIS, PhD

HHMI Fellow
“Germ cell specification from somatic stem cells in planarians” with Phillip A. Newmark, PhD, University of Illinois, Urbana

MARYLAND

CHIH-YUNG LEE, PhD

HHMI Fellow
“Regulation of primordial germ cell fate in *C. elegans*” with Geraldine Seydoux, PhD, Johns Hopkins University, Baltimore

HANJING PENG, PhD *

“Targeting the proteasome using a hybrid, combinatorial rapafucin library” with Jun O. Liu, PhD, Johns Hopkins University, Baltimore

DANIEL E. WEBSTER, PhD *

Philip O'Bryan Montgomery, Jr, MD, Fellow
“Identification and analysis of LncRNAs regulating diffuse large B cell lymphoma” with Louis M. Staudt, MD, PhD, National Cancer Institute, Bethesda

MASSACHUSETTS

RYAN D. BALDRIDGE, PhD *

Fraternal Order of Eagles Fellow
“Investigating the mechanism of retro-translocation by ERAD” with Thomas A. Rapaport, PhD, Harvard Medical School, Boston

ALISTAIR N. BOETTIGER, PhD

“Using super resolution imaging to probe molecular mechanisms of Polycomb silencing” with Xiaowei Zhuang, PhD, Harvard University, Cambridge

ANNE H. BOTHMER, PhD

The Jake Wetchler Foundation for Innovative Pediatric Cancer Research Fellow
“Identification and characterization of novel ribosome-associated proteins and their role in hematopoietic development and disease” with Pier Paolo Pandolfi, MD, PhD, Beth Israel Deaconess Medical Center, Boston

CAITLIN A. BRENNAN, PhD *

Dennis and Marsha Dammerman Fellow
“Mechanisms underlying *Fusobacterium nucleatum*-driven colorectal cancer” with Wendy S. Garrett, MD, PhD, Harvard School of Public Health, Boston

ANGELA N. BROOKS, PhD

Merck Fellow
“Characterizing somatic mutations that affect mRNA splicing in cancer” with Matthew L. Meyerson, MD, PhD, Dana-Farber Cancer Institute, Boston

DENNIS L. BUCKLEY, PhD *

Merck Fellow
“Development of selective brodomain inhibitors from dual brodomain-kinase inhibitors for the treatment of neuroblastoma” with James E. Bradner, MD, Dana-Farber Cancer Institute, Boston

SIDI CHEN, PhD

“Investigation of Dicer as a novel therapeutic route towards the inhibition of tumorigenesis and neoplastic growth” with Phillip A. Sharp, PhD, Massachusetts Institute of Technology, Cambridge

DAMON RUNYON FELLOWSHIP AWARDS (continued)

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

WENWEN FANG, PhD
HHMI Fellow
“Mechanism and regulation of primary-microRNA processing” with David P. Bartel, PhD, Whitehead Institute for Biomedical Research, Cambridge

JUNJIE U. GUO, PhD
“Charting the *in vivo* landscape of RNA-RNA interactions” with David P. Bartel, PhD, Whitehead Institute for Biomedical Research, Cambridge

LI HE, PhD
“Molecular characterization of cell competition and compensatory cell proliferation in *Drosophila*” with Norbert Perrimon, PhD, Harvard Medical School, Boston

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

SERKAN KIR, PhD
Robert Black Fellow
“Identification of factors that induce brown fat activity in cancer cachexia” with Bruce M. Spiegelman, PhD, Dana-Farber Cancer Institute, Boston

XIAOXIAO S. LIU, PhD
“The role of Tet proteins in pancreatic cancer” with Rudolf Jaenisch, MD, Whitehead Institute for Biomedical Research, Cambridge

TIMOTHY D. MARTIN, PhD *
Marion Abbe Fellow
“Investigating the role of aneuploidy and haploinsufficiency in driving tumorigenesis” with Stephen J. Elledge, PhD, Brigham and Women's Hospital, Boston

KARL A. MERRICK, PhD
“Elucidating how inflammation affects tumorigenesis and response to chemotherapy in colon cancer” with Michael B. Yaffe, MD, PhD, Massachusetts Institute of Technology, Cambridge

MARIA M. MIHAYLOVA, PhD
Robert Black Fellow
“Examining how nutrient state dependent metabolic reprogramming in adult stem cell niches controls cell renewal, differentiation and tumorigenesis” with David M. Sabatini, MD, PhD, Whitehead Institute for Biomedical Research, Cambridge

RENEE OTTEN, PhD
HHMI Fellow
“Mechanism of kinases at atomic resolution” with Dorothee Kern, PhD, Brandeis University, Waltham

MICHAEL E. PACOLD, MD, PhD *
Sally Gordon Fellow
“Targeting dehydrogenases in cancer metabolism” with David M. Sabatini, MD, PhD, and Nathanael S. Gray, PhD, Whitehead Institute for Biomedical Research, Cambridge

LAURA PONTANO VAITES, PhD
“Investigating the role of the CRL3-KBTBD6/7 E3 ubiquitin ligase in autophagosome maturation” with J. Wade Harper, PhD, Harvard Medical School, Boston

CHRISTOPHER J. SHOEMAKER, PhD
“Elucidating the molecular mechanics of autophagy using a cell-free system” with Vlad Denic, PhD, and Andrew W. Murray, PhD, Harvard University, Cambridge

MICHAEL J. SMANSKI, PhD
HHMI Fellow
“Refactoring the genetics of magnetic nanoparticle synthesis” with Christopher A. Voigt, PhD, Massachusetts Institute of Technology, Cambridge

HUME A. STROUD, PhD *
HHMI Fellow
“Understanding the mechanism and roles of changes in chromatin composition in the brain” with Michael E. Greenberg, PhD, Harvard Medical School, Boston

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

CHENXI TIAN, PhD *
Sherry and Alan Leventhal Family Fellow
“Understanding the roles of extracellular matrix proteins in pancreatic ductal adenocarcinoma progression” with Richard O. Hynes, PhD, Massachusetts Institute of Technology, Cambridge

TONY Y. TSAI, MD, PhD *
Kenneth G. and Elaine A. Langone Fellow
“Cell sorting in zebrafish neural tube development” with Sean G. Megason, PhD, Harvard Medical School, Boston

THOMAS S. VIERBUCHEN, PhD *
HHMI Fellow
“Understanding the developmental programming and function of the enhancers that control activity-regulated transcription in the mammalian cortex” with Michael E. Greenberg, PhD, Harvard Medical School, Boston

ERIC M. WOERLY, PhD *
Suzanne and Bob Wright Fellow
“Accessing new cancer therapeutics via an intermolecular fluorofunctionalization reaction” with Eric N. Jacobsen, PhD, Harvard University, Cambridge

SUNGWOOK WOO, PhD *
HHMI Fellow
“Crystal-free crystallography using programmable 3D DNA crystal frameworks” with Peng Yin, PhD, Harvard University, Boston

OZLEM YILDIRIM, PhD
HHMI Fellow
“Role of LncRNAs in inheritance of chromatin states during self-renewal and differentiation” with Robert E. Kingston, PhD, Massachusetts General Hospital, Boston

NEW JERSEY

STEPHANIE C. WEBER, PhD
HHMI Fellow
“Mechanisms controlling cell and body size in the nematode *Caenorhabditis elegans*” with Clifford P. Brangwynne, PhD, and Howard A. Stone, PhD, Princeton University, Princeton

NEW YORK

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

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, Cold Spring Harbor Laboratory, Cold Spring Harbor

LYDIA FINLEY, PhD
Jack Sorrell Fellow
“Regulation of cancer cell growth and survival by the propionate catabolic pathway” with Craig B. Thompson, MD, Memorial Sloan Kettering Cancer Center, New York

JASON A. HALL, PhD
Dale F. and Betty Ann Frey Fellow
“The role of innate lymphoid cells in tissue homeostasis and protection” with Dan R. Littman, MD, PhD, New York University School of Medicine, New York

RALPH E. KLEINER, PhD
Miles S. Nadal Fellow
“Investigating the importance of post-translational microtubule modification using recombinant acetylated tubulin” with Tarun M. Kapoor, PhD, The Rockefeller University, New York

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

SHIJING LUO, PhD
“Identifying genetic regulators and mechanisms of stem cell migration in wound repair” with Elaine V. Fuchs, PhD, The Rockefeller University, New York

SHRUTI NAIK, PhD *
“Immune and epidermal stem cell cross talk in skin inflammation” with Elaine V. Fuchs, PhD, The Rockefeller University, New York

MAXIMILIAN W. POPP, PhD
HHMI Fellow
“A haploid genetic approach towards defining RNA decay mechanisms in mammalian cells” with Lynne E. Maquat, PhD, University of Rochester School of Medicine and Dentistry, Rochester

LEAH R. SABIN, PhD
“The role of long noncoding RNAs in normal hematopoiesis and malignant transformation” with Gregory J. Hannon, PhD, Cold Spring Harbor Laboratory, Cold Spring Harbor

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

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, Memorial Sloan Kettering Cancer Center, New York

PENNSYLVANIA

ROBERT K. MCGINTY, MD, PhD
“Structural studies of the MLL1 core methyltransferase complex” with Song Tan, PhD, Pennsylvania State University, University Park

KATARINA MORAVCEVIC, PhD
HHMI Fellow
“Investigating the genetic and neurochemical basis of sleep homeostasis” with Amita Sehgal, PhD, University of Pennsylvania School of Medicine, Philadelphia

TENNESSEE

MARY J. HARNER, PhD
“Discovery of ATAD2 inhibitors for cancer treatment” with Stephen W. Fesik, PhD, Vanderbilt University Medical Center, Nashville

TEXAS

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, Baylor College of Medicine, Houston

RUI YUE, PhD
“Functional analysis of leptin receptor signaling in hematopoietic stem cells and perivascular niche” with Sean J. Morrison, PhD, University of Texas Southwestern Medical Center, Dallas

WASHINGTON

SHREERAM AKILESH, MD, PhD *
“Regulatory genomics of kidney cancers” with John A. Stamatoyannopoulos, MD, University of Washington, Seattle

MATTHEW P. MILLER, PhD *
HHMI Fellow
“Regulation of kinetochore assembly” with Susan Biggins, PhD, Fred Hutchinson Cancer Research Center, Seattle

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, Fred Hutchinson Cancer Research Center, Seattle

PETER J. SKENE, PhD
“Roadblocks to reprogramming: the role of Chd1 and histone variant H3.3” with Mark T. Groudine, MD, PhD, and Steven Henikoff, PhD, Fred Hutchinson Cancer Research Center, Seattle

* Initial Year
* Physician/Scientist

DAMON RUNYON-SOHN PEDIATRIC
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Cancer Institute
Julie and Edward J. Minskoff
Professor of Pediatrics
and Professor of Pathology
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New York, New York

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Director, Leukemia Center
Vice Chair for Basic and
Translational Research
Department of Pediatrics
Grayer Family Chair
Human Oncology and
Pathogenesis Program
Memorial Sloan Kettering
Cancer Center
New York, New York

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Department of Oncology
Director, Pediatric Leukemia
and Lymphoma Program
Johns Hopkins University
School of Medicine
Baltimore, Maryland

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Department of Pediatrics
Albert Einstein College
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Montefiore Medical Center
Bronx, New York

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Chief Medical Officer
Dana-Farber Children's Hospital
Cancer Center
Clinical Director,
Pediatric Oncology
Dana-Farber Cancer Institute
Boston, Massachusetts

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Chair and Member
Department of Chemical Biology
and Therapeutics
St. Jude Children's
Research Hospital
Memphis, Tennessee

TERRY MAGNUSON, PhD
Sarah Graham Kenan Professor
Chair, Department of Genetics
Program Director, Cancer Genetics
Lineberger Comprehensive
Cancer Center
University of North Carolina
School of Medicine
Chapel Hill, North Carolina

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

MARTINE F. ROUSSEL, PhD
Member and Endowed Chair in
Molecular Oncogenesis
Co-Director, Cancer Center Signal
Transduction Program
Department of Tumor Cell
Biology and Genetics
St. Jude Children's
Research Hospital
Memphis, Tennessee
(Adjunct Professor, The
University of Tennessee
Health Science Center)

CHRISTOPHER C. WYLIE, PhD
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DAMON RUNYON-SOHN PEDIATRIC
CANCER FELLOWSHIP AWARDS

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

MASSACHUSETTS
SHUIBIN LIN, PhD
“Molecular and cellular
characterization of a novel
LincRNA in neuroblastoma” with
Richard Gregory, PhD, Boston
Children's Hospital

LEO D. WANG, MD, PhD
“Phosphoproteomic identification
of therapeutic targets in AML stem
cells” with Amy J. Wagers, PhD, Dana-
Farber Cancer Institute, Boston

MARK W. ZIMMERMAN, PhD *
“Elucidating the mechanism of
CHD5-mediated tumor suppression
in neuroblastoma” with A. Thomas
Look, MD, Dana-Farber Cancer
Institute, Boston

NEW YORK
SCOTT HAIHUA CHU, PhD
“The role of DOT1L in pediatric
leukemias” with Scott A. Armstrong,
MD, PhD, Memorial Sloan Kettering
Cancer Center, New York

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

OREGON
LARA E. DAVIS, MD
“Osteosarcoma as a proof-of-
concept model for personalized
cancer therapy” with Charles Keller,
MD, Oregon Health and Science
University, Portland

PENNSYLVANIA
ANGELA J. WAANDERS, MD, MPH
“Preclinical models for
therapeutic targeting of BRAF
altered pediatric astrocytomas”
with John M. Maris, MD, Children's
Hospital of 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

TEXAS
KENNETH CHEN, MD
“Dysregulation of the N-myc/
Lin28/let-7 axis in childhood
Wilms tumors” with James F.
Amatruda, MD, PhD, University
of Texas Southwestern Medical
Center, Dallas

*Initial Year

DALE F. FREY AWARDS FOR
BREAKTHROUGH SCIENTISTS

DAVID K. BRESLOW, PhD *
“Dissecting the role of the
ciliary transport machinery in
oncogenic signal transduction”
at Stanford University School
of Medicine, Stanford

ADAM DE LA ZERDA, PhD
“Molecular imaging of cell-
cell signaling in the tumor
microenvironment” at Stanford
University, Stanford

GABRIEL C. LANDER, PhD
“Deciphering the structural basis
of macromolecular functions
involved in cellular homeostasis”
at the Scripps Research Institute,
La Jolla

COSTAS A. LYSSIOTIS, PhD *
“Exploring the metabolic effects
of oncogenic KRas in pancreatic
ductal adenocarcinoma” at the
Weill Medical College of Cornell
University, New York

RAYMOND E. MOELLERING, PhD *
“Characterization of novel
pathogenic pathways in cancer:
do tumor cells use quorum-
sensing molecules to support
malignancy?” at the Scripps
Research Institute, La Jolla

NATHAN D. THOMSEN, PhD *
“Molecular and cellular mechanism
of caspase activation by small
molecule pro-enzyme activators”
at the University of California,
San Francisco

COLE TRAPNELL, PhD *
“Globally characterizing
lncRNA oncogenes with next-
generation transcriptomics” at
University of Washington School
of Medicine, Seattle



2014 Runyon Up Stair Climb



Steven A. Kandarian, CEO of MetLife
2014 Annual Breakfast



THANK YOU TO OUR DONORS

Your support this year enabled us to fund nearly \$16 million of research by today’s most brilliant young cancer researchers exploring bold new ideas. Since its founding in 1946, in partnership with donors across the nation, the Foundation has invested over \$287 million in funding more than 3,460 young scientists.

In August 2013, the **Damon Runyon 5K at Yankee Stadium** drew over 3,000 participants and raised \$764,685. The 2013 Runyon 5K was presented by MetLife Foundation, with additional support from Brick-Run Sports Physical Therapy, NYSID, Poland Spring, Cabot Creamery, Dannon, Frito-Lay, New Era, SOYJOY, White Rose, 24 Hour Fitness, NBC 4 New York, the New York Daily News, SiriusXM Satellite Radio, and the New York Yankees.

The first-ever **Runyon Up at 4 World Trade Center** took place in April 2014. Nearly 700 participants climbed up to 72 stories (1,632 steps), raising \$207,625 for cancer research. Our thanks to Silverstein Properties for partnering with us to host this event. Other event sponsors included CBRE, AIG, Bank of America Merrill Lynch, Pepsi, Cabot Creamery, Dave’s Hoagies, GoGo squeeZ, GuS - Grown-up Soda, Michelob Ultra, Morton’s The Steakhouse, Raw Revolution, SiriusXM Satellite Radio, SkinnyPop Popcorn, Utz, Vita Coco, Vita Organic Foods, and Whole Foods.

Our 2014 **Annual Breakfast** raised \$1.6 million to support the nation’s most revolutionary young cancer researchers. Steven A. Kandarian, CEO of MetLife and Damon Runyon Board of Directors member, was honored.

Damon Runyon Broadway Tickets supports life-changing research by offering premium seats to new hits like *It’s Only a Play* and long-running shows like *The Book of Mormon*. We are especially grateful to the Shubert Organization, Nederlander Productions, Jujamcyn Theaters, and Disney Theatrical Productions for making this program possible. Learn more at www.damonrunyon.org/broadway.

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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 and leadership.

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This award was established thanks to the vision and generosity of Debbie and Andy Rachleff.

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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 (see page 31).

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Follow-up funding for select Clinical Investigators has been provided thanks to the generosity of the William K. Bowes, Jr. Foundation and Connie and Bob Lurie.

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

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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.

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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.

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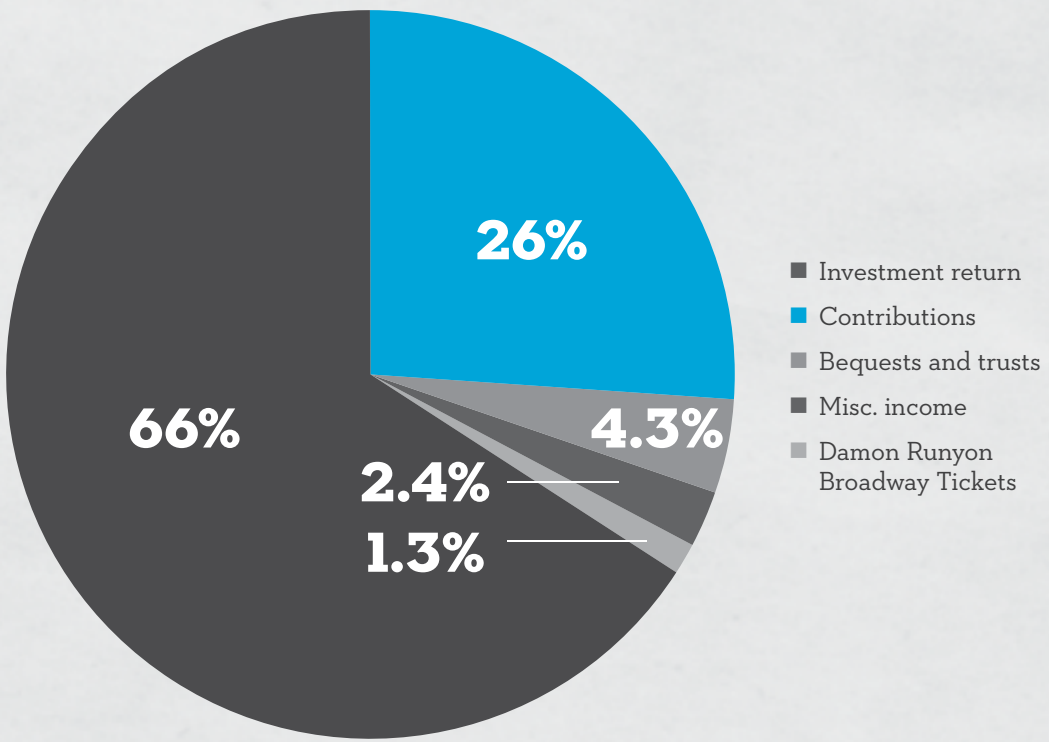
FINANCIAL SUMMARY

FISCAL YEAR 2014

As in previous years, the financial activities of the Damon Runyon Cancer Research Foundation were audited by McGladrey and Pullen, LLP. Below is a snapshot of FY 2014. For our complete audited financial statements, please visit our website at www.damonrunyon.org.

TOTAL REVENUE

\$30.2 MILLION



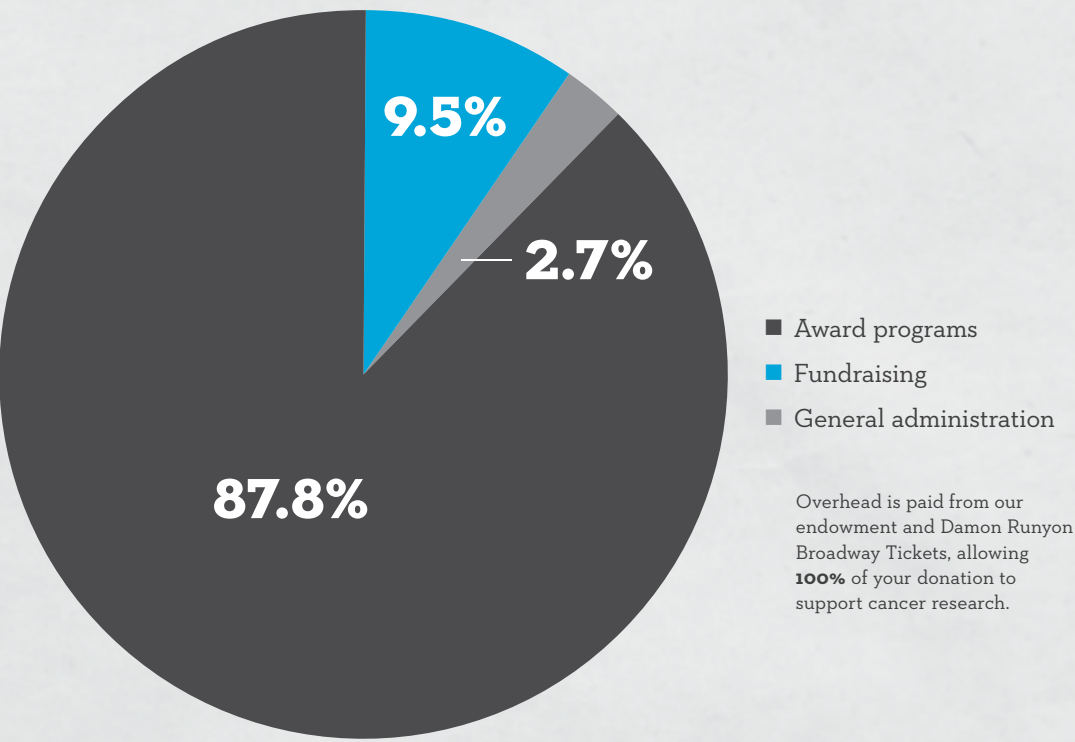
Thanks to a strong market and outstanding investment advisors, who serve pro bono, our investments grew by \$20 million in FY 2014.



We are fully accredited by the Better Business Bureau Wise Giving Alliance.

OPERATING EXPENSES

\$21 MILLION



We are highly efficient, with our award programs representing 88% of our total expenses, up from 85% just last year.

Damon Runyon
Cancer Research
Foundation

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