

The mission of The Leukemia & Lymphoma Society (LLS) is to cure leukemia, lymphoma, Hodgkin's disease and myeloma, and improve the quality of life of patients and their families.

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Please visit **www.LLS.org/AnnualReport** to read our full Fiscal Year 2019 Annual Report, including financials and acknowledgments.

## **CELEBRATING 70 YEARS**

A Letter from our Leadership



#### Dear Friends,

You are part of our story—the story of The Leukemia & Lymphoma Society (LLS)—which begins with one family's hope and will end with curing cancer in our lifetime.

Rudolph and Antoinette Roesler de Villiers founded LLS in 1949 after losing their 16-year-old son Robbie to leukemia. Determined to spare other families the devastating loss of a child, the de Villiers set out to transform cancer treatment and care. As an organization founded by a family for families, our vision is rooted firmly in the de Villiers' relentless drive to create a world without blood cancer.

Since our founding, generations of patients, survivors, caregivers, families, volunteers, researchers, healthcare professionals and supporters have joined our quest for cancer cures. In 2019, LLS

celebrated our 70th anniversary by looking to inspiration of the past to propel us forward. To mark the occasion, we invited our global community to help us grow a digital family tree on www.LLS.org by sharing stories of impact.

Stories like that of Dr. James Holland, who was a trailblazing researcher. In 1955, LLS awarded a grant to Dr. Holland, whose discovery helped establish the first standard of care for children with leukemia. Today, this story resonates even more in light of our recent launch of The LLS Children's Initiative, a \$100 million comprehensive endeavor to deliver cures and better care to children with cancer.

Here at LLS, beating cancer is in our blood. Over the past 70 years, we have invested nearly \$1.3 billion in cutting edge research worldwide, fueling virtually every critical advancement in blood cancer treatment, including pioneering chimeric antigen receptor (CAR) T-cell immunotherapies that supercharge patients' own immune cells to attack cancer. Many of these groundbreaking treatment approaches, first discovered in blood cancer, are now being tested in clinical trials for other cancers and diseases, such as breast, lung, pancreatic and prostate cancer.

We believe there is no one way to beat cancer. The future of cancer treatment hinges on giving the right treatment to the right patient at the right time. LLS is bringing the promise of precision medicine and immunotherapy to more patients in urgent need across every aspect of our mission work.

At the same time, we are relentless about helping patients, caregivers and families throughout their entire cancer experience to ensure they have access to care. LLS is the leading source of free blood cancer information, education and support for patients, survivors, caregivers, families and healthcare professionals. And through our nationwide

grassroots network of more than 50,000 active online volunteers, we drive lifesaving policies that accelerate the development of new cancer treatments and break down barriers to care.

While we've made incredible progress, blood cancers are the second leading cause of cancer deaths in the U.S.—a sobering reminder that we have more work to do. We need to change fundamentally how children with cancer are treated. We need to advance new and efficient clinical trial models to deliver more breakthroughs, and importantly, we need to help patients access these trials. And we need to take bold action for patients against the staggering cost of cancer care.

Every facet of our mission is working in harmony to put patients first and address these priorities. As a global leader in the fight to end cancer, with your support, we press on with unwavering dedication.

Gratefully,

lauis

Louis J. DeGennaro, PhD President and Chief Executive Officer

Jorge Benitez Chair of the Board



Everyone is supposed to fulfill a certain purpose in life; Robbie's seems to have been to make others happy with his joyful, inspiring nature, his wit and knowledge, and as young as he was—in fact hardly more than a child to earn the right not to be forgotten.

- Rudolph Roesler de Villiers

# SPOTLIGHTING OUR IMPACT

#### Our work has helped millions impacted by cancer.

Since the 1960s, survival rates for many blood cancer patients have doubled, tripled or even quadrupled. What's more, we've seen an average decline of 32 percent in blood cancer death rates since the 1990s. That's the power of the LLS mission. By funding pioneering cancer research to advance treatments and cures and helping patients and families access the care they need, we are saving and improving the lives of patients and giving hope to countless families across the globe. But we won't stop until we achieve a world without blood cancer.



## Thanks to LLS, a new treatment was available each time I relapsed, and those new treatments provided hope for my family and me.

#### Peter Pearson, a three-time cancer survivor first diagnosed with Hodgkin lymphoma in 2013

Peter participated in a clinical trial for a targeted therapy called brentuximab vedotin (Adcetris<sup>®</sup>), which LLS-funded research helped advance. In 2018, the FDA approved this therapy in combination with chemotherapy to treat newly diagnosed patients with advanced Hodgkin lymphoma, representing the first change in the standard of care for the disease in 40 years. Today, Peter and his family raise funds for LLS through Big Climb, Light The Night and Pennies for Patients.

## **5-Year Relative Survival Rates (Percentage)**



## **Deaths Per 100,000 People**





1

We've seen an average decline of 32 percent in blood cancer death rates since the 1990s.





OF FREE EDUCATION AND SUPPORT FOR **BLOOD CANCER PATIENTS** AND FAMILIES



# **ADVANCING OUR MISSION IN 2019**

Thanks to you, our 70th year was the most impactful one yet at LLS.



LLS HELPED ADVANCE

## 46 OF THE 53

BLOOD CANCER TREATMENT OPTIONS APPROVED BY THE U.S. FOOD AND DRUG ADMINISTRATION (FDA) SINCE 2017.



## MORE THAN 240

CUTTING EDGE RESEARCH GRANTS AND

22

THERAPY ACCELERATION PROGRAM (TAP) PARTNERSHIPS WORLDWIDE.



LLS HAS SEEN PROGRESS ON **75 PERCENT** 

OF THE 31 POLICY RECOMMENDATIONS WE PUT FORTH TO CONGRESS, AIMED AT LOWERING THE COST OF CANCER CARE FOR PATIENTS WHILE PROTECTING ACCESS TO QUALITY CARE.



LLS VOLUNTEER ADVOCATES SENT

LETTERS IN SUPPORT OF THE CANCER DRUG PARITY ACT, INTRODUCED TO CONGRESS TO ENSURE ACCESS TO ALL CANCER TREATMENTS, REGARDLESS OF HOW TREATMENTS ARE ADMINISTERED.



# WHAT'S THE LATEST IN BLOOD CANCER RESEARCH?

Lee Greenberger, PhD, *Chief Scientific Officer at LLS*, shares what key trends mean for patients.

**1. The genomics revolution is here.** Blood cancers—which consist of more than 100 different types of diseases—are complex, but we're cracking the code, thanks to new genomic technologies. Equipped with powerful molecular methods and a deeper understanding of our genetic blueprint, we're learning more about what causes blood cancer and why certain therapies work and why some fail.

Your support helped LLS invest **\$283.9 MILLION** in our mission this year, bolstering research, education and support, and policy and advocacy efforts that helped put patients and their families first.



LLS INFORMATION SPECIALISTS RESPONDED TO MORE THAN 20,000

INQUIRIES FROM PATIENTS AND CAREGIVERS IN 2019 ALONE.



LLS CLINICAL TRIAL

## **MORE THAN 600**

PATIENTS WITH IN-DEPTH CLINICAL TRIAL NAVIGATION AND SUPPORT.



THIS YEAR, OUR LIGHT THE NIGHT, MAN & WOMAN OF THE YEAR AND STUDENTS OF THE YEAR CAMPAIGNS BROKE FUNDRAISING RECORDS

AS DEDICATED PARTICIPANTS DROVE MORE SUPPORT FOR OUR MISSION THAN EVER BEFORE.



THANKS TO OUR INCREDIBLE SUPPORTERS, WE ACHIEVED OUR



FUNDRAISING GOAL FOR OUR COMPREHENSIVE EFFORTS TO BEAT ACUTE MYELOID LEUKEMIA (AML).

2. Precision medicine is on the rise. Chemotherapies destroy cancer cells, but also damage normal cells, causing substantial side effects. Today, more recently approved oral targeted therapies attack blood cancer cells specifically, while sparing healthy cells with impressive results. For example, the FDA-approved combination of venetoclax (Venclexta®) and obinutuzumab (Gazyva®) marks a new chemotherapy-free, front-line treatment for chronic lymphocytic leukemia. LLS has supported research advancing venetoclax for the past 15 years. Venetoclax, when used in combination with conventional chemotherapy, is also a game changer for AML.

#### 3. The golden age of immunotherapy continues.

LLS is advancing different approaches that activate the immune system to fight cancer, including CAR T-cell immunotherapies and cancer vaccines. We're exploring every avenue to improve CAR T-cell therapy so that more patients with blood cancer achieve long-lasting disease control.

**4. Prevention is the new frontier.** Advances in genomics are allowing us to identify individuals who are at a higher risk of developing blood cancer years before it might occur with the use of a blood test. Researchers are also exploring how to prevent early precursor diseases from progressing to more serious blood cancers.

I stand in defiance against childhood cancer. Losing my son Zach was unimaginably devastating, but his struggle makes me all the more relentless about accelerating better treatments and care, so we can save the lives of more children and spare others from life-altering, long-term side effects.

Julie Guillot, Volunteer Chair, Pediatric
 Partnerships and Outreach at LLS



## **BY THE NUMBERS**

## **APPROXIMATELY 80%**

OF CHILDHOOD CANCER SURVIVORS DEVELOP ONE OR MORE CHRONIC HEALTH CONDITIONS AS A RESULT OF TREATMENT

## IN THE LAST 40 YEARS, ONLY **4 ONCOLOGY DRUGS**

HAVE BEEN APPROVED FOR FIRST USE IN CHILDREN



#### Fighting for Children with Cancer

Julie Guillot never imagined the harrowing struggle that would follow after her eldest son, Zach, was diagnosed with acute myeloid leukemia (AML) at the age of 5. For four years, Zach endured brutal chemotherapy, radiation, fevers, unyielding nausea and months confined to three different hospitals. A fan of superheroes, he faced the daunting regimen with bravery. But the intensity of his treatments took a tremendous toll. Sadly, Zach passed away after his third bone marrow transplant. "I won't stop fighting for Zach. I am determined to do as much as I can so other families don't have to go down this terrible path," says Julie. Today, Julie is an influential parent advocate and LLS volunteer who is dedicated to speeding safer, more curative therapies for children.

#### **Delivering Cures and Better Care**

For many childhood cancers, chemotherapies developed decades ago remain the standard of care and simply don't work well enough. Too many children succumb to their cancer. Survival rates for high-risk forms of blood cancer, such as AML, are especially poor. For those who do survive, the long-term effects of treatment can cause life-threatening complications and secondary illnesses and cancers.

LLS is disrupting the status quo with our bold vision: we want children not only to survive cancer, but thrive in their lives after treatment. That's why we launched **The LLS Children's Initiative: Cures and Care for Children with Cancer**, a full-scale, multi-year endeavor to take on children's cancer from every direction.

"Every young life lost to cancer is one too many. We must do better. With The LLS Children's Initiative, we will," says Gwen Nichols, MD, LLS Chief Medical Officer.

ABOUT 40% of pediatric cancers are blood cancers



## Taking on Children's Cancer from Every Direction (cont.)

#### **Overcoming Obstacles to Progress**

For too long, children have been treated with a one-size-fits-all approach, despite cancer behaving differently in children than in adults. "Children are not little adults; they need therapies that are designed just for them," says Dr. Nichols. But given the relatively small patient population, there has not been enough incentive for the private sector to pursue pediatric drug development.

Beyond research, there are regulatory hurdles and access issues, including financial and geographic barriers, which stand between patients and the care they need.

Only LLS has the proven track record, leadership and visionary supporters needed to usher in a new era of pediatric cancer treatment and care.

Our goal is to revolutionize the standard of care for children with cancer, providing them with safer, more effective treatments that rely less on chemotherapies that harm healthy cells in the body.

When a child is diagnosed with cancer, it affects the entire family. The support we received from the two LLS programs helped us focus on taking care of King and made us feel less alone in our journey. King has been dealing with cancer for most of his young life, and has a long road ahead of him still. But we are hopeful that with LLS leading the charge, more children will survive cancer and thrive in their lives after treatment.

#### - Shameeza Singh, King's mother

King was diagnosed with high-risk acute lymphoblastic leukemia (ALL) in June 2016 at the age of 2. His treatment plan included three and a half years of daily chemotherapy. He took 75 pills per month, in addition to intravenous and spinal chemotherapy. During this time, he experienced severe complications, including brain swelling, nerve damage, painful mouth sores and more. His family received support from LLS through our Urgent Need Program and Patient Aid Program. In October 2019, King completed chemotherapy, but continues to battle the chronic side effects from his treatment and a lifelong genetic disorder called G6PD deficiency. King and his family spend their time advocating and spreading awareness about pediatric cancer.



## SPECIAL THANKS TO OUR CHILDREN'S INITIATIVE SUPPORTERS

#### Founding Partners \$1 million and above

Anonymous The Harry T. Mangurian Jr. Foundation Joan and Paul Rubschlager The Wawa Foundation

#### \$500,000-\$999,999

The Don & Lorraine Freeberg Foundation Lynne and Greg O'Brien WWE

#### \$250,000-\$499,999

Anonymous (2) Amgen Inc. Orokawa Foundation University of California San Francisco University of Colorado Anschutz Medical Campus University of Florida

#### \$100,000-\$249,999

Sara Asma & the Moore Family William and Tamea Bock The Boldt Family Philanthropy Fund The Escher Foundation F.M. Kirby Foundation The Family and Friends of the Bock Family Higgins Family Charitable Foundation James and Lisa LaTorre Nimick Forbesway Foundation

#### \$10,000-\$99,999

Anonymous **ACE** Family Foundation John Scott Black Angela Blank Bobby & Steve's Auto World Youth Foundation The Breyfogle Family **Charles and Chris Carroll CURE Childhood Cancer** Kim Dobbs **Enquirer Foundation** The Family of Kent Ribordy Dianne Franco Herber Family/High Five Foundation **Jack Buncher Foundation** Kristen and Doug Johanson The Kayleen Larson Legacy Foundation Janice and Larry Lowder Lydia Odle Marla Persky and Craig Heberton **Cherie and Fredrick Pond Robert Post** Andrea Reid Brent and Barbara Reid The Rhoda and David Chase Foundation Dr. Skip and Amy Sands **Christine Schumacher and Hal Hess** Lori and Richard Turbe

## Taking on Children's Cancer from Every Direction (cont.)

The LLS Children's Initiative will bring precision medicine to children with cancer and ensure they have access to care.

**Driving New Breakthroughs Faster** 

LLS is more than doubling our investment in pediatric cancer research grants worldwide. Our areas of focus include:

- Harnessing the immune system to fight cancer
- Identifying biomarkers to understand which patients will respond to certain therapies
- Overcoming treatment resistance
- Improving detection of cancer cells left after treatment that can lead to relapse
- Mitigating long-term treatment effects, such as cardiotoxicity and infertility

Further, LLS has undertaken an unprecedented collaboration to launch the first global precision medicine clinical trial for pediatric acute leukemia, called LLS PedAL. Building upon our successful Beat AML® Master Clinical Trial, LLS will unite physicians, scientists, regulators, advocacy organizations, pharmaceutical and biotechnology companies and others to change the paradigm of treatment through a precision medicine approach that puts pediatric patients first. Together, we will create a single set of pediatric cancer data that will be made available to researchers worldwide, identify and validate underlying molecular drivers of disease, and match patients with relapsed acute leukemia to the most promising treatments based on their unique tumor biology. The goal is to test multiple targeted therapies simultaneously at up to 200 clinical sites worldwide, with an anticipated opening in 2020.

#### Ensuring Access to the Best Care Possible

Because new breakthroughs are beneficial only if patients can access them, we are expanding our trusted education and support services—including resources for children and young adults with cancer and financial assistance programs—to help more patients, parents and caregivers navigate cancer treatments and access quality care. LLS is dedicated to helping children and families cope with the financial, emotional and psychological impact of a cancer diagnosis through our comprehensive array of free information, education and support.

Meanwhile, our policy and advocacy efforts focus on breaking down barriers to care and accelerating the development of new cancer treatments. LLS is co-chairing the Policy Committee of the Alliance for Childhood Cancer, a coalition of more than 25 advocacy groups and professional organizations. Through our work with the coalition, we played an instrumental role in the enactment of The Childhood Cancer Survivorship, Treatment, Access and Research (STAR) Act, the most comprehensive federal childhood cancer legislation ever introduced.





I was inspired by past LLS Career Development Program awardees, many of whom are now leaders in the field. This award from LLS provides a tremendous boost to our research.

 G. Greg Wang, PhD, University of North Carolina Lineberger Comprehensive Cancer Center

Dr. Wang is using a cutting edge gene-editing tool called CRISPR, combined with genetic profiling, to understand how a particular mutation called DNMT3A leads to the development of AML. With these insights, researchers can develop innovative new treatment strategies.



## Accelerating Cures

#### Leading the Way to Cures

Our growing understanding of the genetic underpinnings of blood cancer is breaking new ground in cancer treatment and care. By supporting the full spectrum of research, from basic, laboratory-based science to largescale clinical trials, LLS is at the forefront of the fight to cure cancer. At the same time, we're working tirelessly to ensure that treatment advances reach blood cancer patients. LLS is redoubling efforts to connect patients to clinical trials, which are critical avenues to improving access to care and discovering breakthroughs. Further, our Office of Public Policy works to increase research funding at the National Institutes of Health (NIH) and other federal agencies, accelerate FDA approval processes while still protecting patient safety, and promote patient-focused drug development that prioritizes patients' needs and concerns.

#### **Investing in Pioneering Research**

LLS is the largest nonprofit funder of blood cancer research. In 2019, we dedicated \$47.4 million to support scientific grants, including 106 new grants awarded to researchers across the globe. With more than 35 new Career Development Program grants, we continue to bolster the early careers of scientists. Our support of promising young scientists has produced three Nobel Prize winners, more than 15 National Academy of Sciences members and more than 10 department chairs of major cancer centers.

LLS invested \$7 million of our 2019 research budget in our Therapy Acceleration Program® (TAP), a venture philanthropy model through which we partner with biotech and academic institutions to advance promising novel therapies. New TAP partners include industry leaders such as Forty Seven, Inc., Sutro Biopharma, X4 Pharmaceuticals, Inc. and Verastem Oncology. Since 2017, three TAP-supported treatments were approved by the FDA.

#### **Collaborating for Cures**

LLS is driving innovative multi-year partnerships to maximize our research investment, including:

- A \$1.8 million partnership with the Snowdome Foundation and Australia's Leukaemia Foundation to support leading blood cancer research projects in Australia
- A **\$6.75 million collaboration** between LLS, The Mark Foundation for Cancer Research and The Paul G. Allen Frontiers Group to boost critical discovery research by seasoned investigators
- A \$4 million partnership with the Rising Tide Foundation for Clinical Cancer Research (RTFCCR) to accelerate global immunotherapy and prevention research
- A **\$1.5 million partnership** with the RUNX1 Foundation to advance better treatments for RUNX1 familial platelet disorder

### Accelerating Cures (cont.)

#### **Championing Immunotherapy**

Our more than 20-year investment in CAR T-cell immunotherapy has paid off with two approved treatments for children and young adults with acute lymphoblastic leukemia (ALL) and adults with certain highly lethal lymphomas who have exhausted all other treatment options. Remarkably, many patients remain free of disease years after a single CAR T-cell dose. Today, we are funding the next generation of this game changing approach:

- Helen Heslop, MD, Baylor College of Medicine, is driving new immunotherapies for leukemia, lymphoma and myeloma. Her visionary team is maximizing approved CAR T-cell immunotherapies and developing "off the shelf" CAR-Ts that use cells from donors instead of patients to reduce production time.
- Jianhua Yu, PhD, City of Hope, is combining CAR-T and bispecific antibodies, two living drugs that launch persistent immune responses against cancer cells, to treat myeloma.

Based on the success in blood cancer, researchers are investigating applications in solid tumors, including lung, breast, colon and prostate cancer.

#### **Outsmarting Cancer with Precision Medicine**

LLS is unifying goals among science, industry, cancer centers, regulators, philanthropists and patients to revolutionize cancer treatment through precision medicine. Our Beat AML Master Clinical Trial is a case in point. Launched in 2016, the Beat AML Master Clinical Trial is the first collaborative precision medicine clinical trial in a blood cancer. The trial uses advanced genomic technology to identify each AML patient's cancer-driving genetic mutations, and then matches patients to the most promising targeted treatment within a rapid timeframe. More than 760 patients have been screened in 11 study arms at 16 cancer centers across the country.

#### Other highlights include:

- Robert Orlowski, MD, PhD, University of Texas MD Anderson Cancer Center, and his colleagues are studying the unique molecular features of patients with myeloma precursor diseases, so treatment can be tailored to prevent progression to full-blown myeloma.
- Ari Melnick, MD, Weill Cornell Medicine, is advancing novel therapies for B-cell lymphomas that target specific epigenetic mechanisms, the switches that turn genes on or off and control cell behavior.
- Craig Jordan, PhD, University of Colorado, is leading a world-class team of researchers to eradicate cancer stem cells—the roots of disease—in patients with AML through personalized approaches. This work is supported by a matching fund from the University of Colorado Medical Center.

LLS's early and sustained research investment in CAR T-cell immunotherapy is the reason I am here today and able to cherish every moment with my daughter.

#### Chuck Colletti, diagnosed with non-Hodgkin lymphoma in 2016

This year, Chuck fundraised proudly for LLS through our Man & Woman of the Year campaign.

## Driving Clinical Trial Innovation, Education and Enrollment

#### **Understanding the Value of Clinical Trials**

Without sufficient enrollment in clinical trials, new treatments cannot be approved, scientific knowledge stalls and patients cannot access potentially lifesaving therapies. But the landscape is complex and evolving rapidly. Patients and caregivers are often left to search for trials on their own, leaving them with more questions than answers. The process can be cumbersome for healthcare professionals, too. Clinical research in the era of precision medicine is homing in on smaller groups of patients with specific disease subtypes or characteristics. Too many trials fail to meet their goals because there are not enough patients enrolled. Clinical trials are not "last resort" options, but rather avenues to leading edge care. LLS is committed to connecting patients to clinical trials, funding groundbreaking clinical science and advocating for policies that put patients at the center of their care.

#### **Improving Access and Participation**

LLS continues to expand our Clinical Trial Support Center (CTSC), in which Clinical Trial Nurse Navigators—registered nurses with expertise in blood cancers—conduct comprehensive clinical trial searches and assist patients and caregivers throughout the entire clinical trial enrollment process. Together, LLS Clinical Trial Nurse Navigators and LLS Information Specialists—master's level oncology professionals—work one-on-one with blood cancer patients and caregivers to help them become more active participants in their care and overcome barriers to enrolling in trials, including assistance with finances and lodging.

On average, it takes more than 30 interactions with a patient, their caregivers and healthcare professionals to help a patient enroll in a clinical trial. This year, LLS Clinical Trial Nurse Navigators had nearly 8,000 interactions with patients, caregivers and healthcare professionals, demonstrating the depth and breadth of our support.

With only about 5 percent of all adult cancer patients in the U.S. enrolling in clinical trials, LLS is helping to bridge this enrollment gap with our free, personalized clinical trial navigation for blood cancer patients and their families. Typically, 22 percent of patients who are assisted by the CTSC enroll in an appropriate clinical trial, showing the power of our in-depth support on the lives of patients.



I was on a mission to stay alive. The treatment options at the time were few, lacked effectiveness and had difficult side effects. After enduring six different treatments over 12 years, I achieved a complete remission finally, thanks to a clinical trial for an LLSsupported CAR T-cell immunotherapy.

#### Laurie Adami, diagnosed with non-Hodgkin lymphoma in 2006

She has set the goal of participating in Team In Training's Climb 2 Cure at Mount Everest Base Camp in spring 2020.

LLS offers a wide array of free education and support for patients, caregivers and healthcare professionals.

- LLS Clinical Trial Nurse
  Navigators
- LLS Information
  Specialists
- Weekly online chats
- Peer-to-peer support
- Online social network called
  LLS Patient Community
- Financial assistance
- Nutrition consultations
- Caregiver support
- Webcasts

- Videos
- Podcasts
- Information booklets
- Continuing Education/ Continuing Medical Education programs

Dr. Selina Chen-Kiang

Non

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1.11

WEIBIOUT

Hera man



### Driving Clinical Trial Innovation, Education and Enrollment<sub>(cont.)</sub>

#### **Looking Forward**

Beginning in 2020, LLS will expand a dynamic collaboration with the American Society of Hematology (ASH) to provide more than 2,500 ASH member physicians in the U.S. and Canada with dedicated access to the CTSC, making it easier to refer patients to our personalized support. This collaboration builds upon a successful pilot program completed in 2018, which found that the CTSC helped physicians have informed discussions with their patients about clinical trials as a possible course of treatment.

LLS is also working to expand clinical trial access among blood cancer patients in underserved communities. Through our new research program, Impactful Medicine Providing Access to Clinical Trials (IMPACT), we aim to bring innovative clinical trials to patients served by community cancer centers, especially in rural or economically disadvantaged areas. By fostering partnerships between community-based oncologists and clinical trial leaders at major cancer centers, IMPACT will help patients access clinical trials in their communities and educate local physicians about advances in genomics and precision medicine. The goal of each IMPACT grant is to increase clinical trial participation among blood cancer patients served by community cancer centers by at least 20 percent over a five-year period.

#### **Pioneering New Models**

LLS funds research from bench to bedside through collaborations, venture philanthropy and grants. This year, we invested \$32 million of our research budget to support clinical trials, along with an additional \$10.5 million to operate our Beat AML Master Clinical Trial, for a total investment of \$42.5 million. Complementing our research agenda are policy and advocacy efforts that push for affordable clinical trial access and hold the FDA accountable for implementing clinical trial reforms enacted in the 21st Century Cures Act, including new rules on master trials.

LLS champions these pioneering models. Our Beat AML Master Clinical Trial demonstrates that personalized treatment using genomics can be assigned to patients based on their specific subtype in less than seven days. With its flexible, collaborative structure, the trial is testing several novel therapies in multiple study arms simultaneously. This patient-first trial design—developed with guidance from the FDA—has the potential to stand as a model for future cancer clinical trials. Now, LLS will bring our leadership in patient-centric clinical trials to pediatric acute leukemia and other blood cancers. We will also continue to ensure that patients' needs and preferences are at the forefront of drug development to pave the way for better care and cures in the future.

LLS-funded researcher Selina Chen-Kiang, PhD, Weill Cornell Medicine, and her world-class team

I was armed with so much information. When you have information, you feel empowered. Every day, we learned more and that helped Meaghan take ownership of her health. I'd encourage anyone going through a blood cancer diagnosis to reach out to LLS. There is such an incredible network of support, and it's so much better when you have someone in your corner.

 Maura Kilner, a caregiver for her daughter Meaghan, who was diagnosed with Hodgkin lymphoma in 2017

As a 2019 Honored Hero for Students of the Year, Meaghan inspired and motivated high school students in her community to raise funds for our mission.



## Helping Patients Throughout Their Cancer Experience

Approximately every three minutes, someone in the U.S. is diagnosed with a blood cancer. When someone experiences the fear and uncertainty of a cancer diagnosis, we provide hope, guidance, education and support. LLS is dedicated to helping patients navigate their cancer treatments and access quality care.

**Supporting Patients, Caregivers and Families** 

We are committed to patients, caregivers and families throughout their entire cancer experience. Here at LLS, we believe one-on-one support makes all the difference, so we offer a wide array of free resources to help patients find the support they need.

For more than two decades, LLS Information Specialists have been on the front lines of an ever-changing healthcare landscape, guiding patients and caregivers to our robust education and support services. Information Specialists are master's level oncology professionals who provide free, personalized assistance to patients, families and healthcare providers. They offer guidance through cancer treatment, assist with financial and social challenges, and give accurate, up-to-date disease, treatment and support information. Information Specialists also refer patients to LLS Clinical Trial Nurse Navigators as appropriate.

According to an independent evaluation that concluded in 2019, 86 percent of patients and caregivers said they felt more hopeful and 83 percent said they felt more comfortable managing their or their loved one's diagnosis after their first contact with an Information Specialist. This is an extraordinary testament to the impact of LLS's one-on-one support.

We offer a variety of ways for patients and caregivers to find connections and support. This year, LLS:

- Connected more than 1,500 volunteers with patients and caregivers diagnosed with the same disease through LLS's *Patti Robinson Kaufmann First Connection Program*
- Reached nearly 12,000 patients and caregivers registered on our online social network, LLS Patient Community
- Provided nearly 900 patients and caregivers with free, personalized nutrition consultations from our registered dietitian
- Distributed a new, comprehensive caregiver workbook in English and Spanish to 930 caregivers

Contact an Information Specialist for one-on-one support at **1.800.955.4572**, and by live chat or email via www.LLS.org.

Volunteering with Myeloma Link gave me a way to heal from my cancer experience, while helping someone else in the process. A diagnosis is a stumbling block, but there is light at the end of the tunnel. For me, the support and education I received from LLS has been that light.

Kelvin Yates, diagnosed with myeloma in 2014

In addition to providing direct support to patients, Kelvin participates in Light The Night.



## SPOTLIGHT On Myeloma Link

African Americans have twice the incidence of myeloma as white Americans. Recent studies show that African Americans are significantly less likely to receive the latest treatments, and are more likely to experience treatment delays. LLS is dedicated to connecting African American communities to free myeloma information and support and enhancing access to care and the latest treatments through our Myeloma Link program. In 2019, the program expanded from two to eight cities, reaching more than 10,000 patients, caregivers and healthcare providers through over 100 awareness and education programs. Myeloma Link is just one part of our efforts to address the needs of underserved communities. LLS has committed \$35.4 million in multi-year grants to accelerate impactful myeloma research to find cures.

### Helping Patients Throughout Their Cancer Experience (cont.)

## Educating Patients, Caregivers and Healthcare Professionals

LLS is here to help patients, caregivers and healthcare professionals stay informed and current on the latest disease, treatment and survivorship information. This year, LLS:

- Distributed more than 855,000 educational booklets and fact sheets about blood cancers and survivorship topics
- Educated more than 132,400 patients, caregivers, healthcare professionals and others through live web-based and local in-person programs
- Reached nearly 12,000 listeners through LLS podcasts, including *The Bloodline with LLS* for patients and caregivers, and *Treating Blood Cancers*, a new podcast for healthcare professionals

#### Investing in Health Services Research

LLS plans to boost our investment in health services research to understand and address concerns about quality of life and access to care during treatment and beyond. LLS is pursuing research into:

- The financial burden of treatment
- The services survivors or caregivers might need
- The preferences patients have when weighing treatment options
- The late effects survivors might be experiencing

This year, LLS received a three-year grant to fund a new intervention study by Carma Bylund, PhD, University of Florida, and her research team that aims to improve family and healthcare communication among adults who care for a parent with blood cancer. This work builds upon in-depth gualitative research completed by Dr. Bylund and LLS in 2018, which identified unique communication issues faced by these caregivers, including conflicts with siblings in negotiating caregiving responsibilities and navigating role reversals. As part of the intervention study, new online resources will launch on www.LLS.org in the next year to help caregivers of parents practice open, healthy communication with their families, find reliable cancer information online and communicate effectively with healthcare teams. Both research studies were funded by the Carolan Research Institute.

## Breaking Down Barriers to Care

LLS invests in research critical to achieving cancer treatment breakthroughs, which often requires decades of effort and financial support. While LLS is advancing efficient clinical trial designs and cost effective ways to produce groundbreaking treatments, we need to take action now to ensure that cancer patients can access lifesaving treatments.

#### **Taking Bold Action for Patients**

With the cost of cancer care skyrocketing, a growing portion of these costs is being shifted to patients. As a result, some patients are delaying or even forgoing treatment. Through our nationwide grassroots network of more than 50,000 active online volunteers, LLS works to break down barriers standing between patients and the care they need.

In 2017, LLS launched our Cost of Cancer Care Initiative with aggressive, yet feasible cost-cutting ideas that would save money without sacrificing quality care. We shared our ideas with stakeholders across the healthcare ecosystem because we believe all players need to do their part to put patients first.

Since then, our Office of Public Policy has made significant progress on many fronts, including helping to advance reforms that level the playing field for lowercost biosimilar versions of costly drugs. This year, we continued the momentum by putting forward 31 policy recommendations in March. Six months later, we saw progress on 75 percent of these recommendations, including:

- Bi-partisan support for proposals to lower outof-pocket costs, especially for those enrolled in Medicare Part D
- Measures under consideration to promote valuebased payments, so that the cost of service reflects its value
- Measures adopted to increase marketplace competition, such as allowing generic drugmakers to introduce less expensive versions of costly drugs sooner

LLS also advocates for meaningful health insurance coverage, so that patients can afford the treatments they need. We advance solutions that uphold our core principles for meaningful coverage: guarantee access, promote affordability, ensure quality and encourage stability.

In particular, LLS calls upon lawmakers to limit the spread of short-term, limited duration health insurance plans, which pose risks to patients and consumers by requiring them to pay exorbitant costs. We pushed back against these plans through multifaceted efforts, urging members of Congress, governors, state legislators and insurance commissioners to take action to protect patients.

## PROTECTING MEANINGFUL Health insurance

While legislators debated proposals that would roll back access to meaningful health insurance coverage, LLS took action.

MORE THAN **16,700 LETTERS** SENT BY LLS ADVOCATES MORE THAN 725 COMPLETED CALLS MADE BY LLS ADVOCATES

### HUNDREDS

OF IN-PERSON MEETINGS WITH POLICYMAKERS CONDUCTED

Policy change is needed to ensure that the patients I work with can access the care they need to live long and healthy lives. I'm proud to raise my voice with LLS and speak out on behalf of patients and their families.

 Myra Davis-Alston, a passionate LLS volunteer advocate who brings her unique perspective as an oncology nurse to our policy and advocacy endeavors

Sint or for

## Breaking Down Barriers to Care (cont.)

While we fight the rising cost of cancer care through our policy and advocacy endeavors, we know patients and caregivers need help now. We provide an array of financial assistance programs to help with cancer-related expenses.

#### Making a Difference

Through our financial assistance programs, we help patients and families navigate difficulties with insurance and co-pay burdens and cope with the often daunting financial challenges of cancer treatment. This year, LLS expanded the financial support we provide through two new programs to help blood cancer patients and their families when they need it most.

- The **LLS Urgent Need Program**, established in partnership with "Moppie's Love," is available to help pediatric and young adult blood cancer patients, or adult blood cancer patients enrolled in clinical trials, who are in acute financial need. The program provides a \$500 grant to assist with non-medical expenses, including utilities, rent, mortgage, food, lodging, dental care, child care, elder care and other essential needs.
- The **LLS Patient Aid Program** provides financial assistance to blood cancer patients, regardless of their financial circumstances. Eligible patients receive a \$100 stipend.

#### What patients and families are saying:

- Without your financial and moral support, I wouldn't be alive today. You help put food on my table and hope in my heart.
- LLS has been a wonderful help when a tough financial spot arose from our daughter's long in-patient stay. The \$500 [from the LLS Urgent Need Program] helped with our rent.
- Your program has been a saving grace for my parents. They planned for retirement and would have had everything wiped out had it not been for your service.

## LLS FY19 FINANCIAL SUPPORT BY THE NUMBERS

#### LLS PATIENT AID PROGRAM

More than **\$1.3 million** in assistance provided to more than **13,200** blood cancer patients

#### URGENT NEED PROGRAM

Nearly **\$1.2 million** total in assistance provided to more than **2,350** families

#### CO-PAY FINANCIAL ASSISTANCE

More than **\$97.1 million** provided in co-pay financial assistance supporting nearly **19,000** patients

#### SUSAN LANG PAY-IT-FORWARD PATIENT TRAVEL ASSISTANCE PROGRAM

More than **\$1.1 million** in assistance provided to more than **2,200** blood cancer patients to help with transportation and lodging-related expenses

#### **Uncovering New Insights**

Here at LLS, we believe no one should have to choose between seeking care and affording groceries or a mortgage. The cost of cancer care is becoming unsustainable for both cancer patients and the overall healthcare system. LLS is investing in more research to understand the financial burdens associated with the cost of blood cancer treatment and its long-term effects, as well as disparities in patients' access to the latest treatments. Leading edge LLS-funded research projects include:

- Rena Conti, PhD, Associate Research Director of Biopharma & Public Policy at the Boston University Institute for Health System Innovation & Policy, is leading a study to understand better the range of financial difficulties experienced by patients with multiple myeloma or chronic lymphocytic leukemia who are undergoing or have forgone treatment at National Cancer Institute Community Oncology Research Program (NCORP) Minority/Underserved Community Sites across the country. Dr. Conti is also a Dean's Research Scholar and Associate Professor of Markets, Public Policy and Law at the Boston University Questrom School of Business.
- Stacie Dusetzina, PhD, Associate Professor of Health Policy and Ingram Associate Professor of Cancer Research at Vanderbilt, is leading a two-year study jointly funded by LLS and The Commonwealth Fund on the impact of healthcare

costs on the behavior of senior patients enrolled in Medicare. Her research is examining the association between delaying or never filling specialty drug prescriptions and health outcomes related to the disease being treated.

In addition, we commissioned two studies by the actuarial firm, Milliman, examining the factors that are driving blood cancer costs within the healthcare system as well as the out-of-pocket cost burden that patients experience. The findings showed, for example, that treatment of acute leukemia among commercially insured patients cost the healthcare system more than \$800,000 on average in the first three years following a patient's diagnosis. For patients with Medicare coverage, those being treated for lymphoma spent as much as \$19,000 out-of-pocket on medical costs in the first year following their diagnosis, while those with myeloma spent \$24,000 on average in the first two years following diagnosis.

These extraordinary costs underscore the simple fact that meaningful insurance coverage is a necessity for virtually anyone in need of blood cancer treatment. The high cost of care is also a reminder that as we make advancements in the treatment of blood cancer, we must pursue policies that ensure those treatments are accessible to the patients who need them. To learn more about our Cost of Cancer Care Initiative, please visit www.LLS.org/cancercost.







## DRIVING SUPPORT ACROSS THE COUNTRY

For generations of families and children, our signature fundraising campaigns have helped LLS find cures and ensure access to treatments for blood cancer patients nationwide. We are inspiring people across the country to run, hike, walk, sail, build teams and gain lifelong learning skills while raising funds to drive forward our mission. This year, LLS is featured once again in *The Chronicle of Philanthropy's* "America's Favorite Charities," and jumped from number 61 last year to number 39 in 2019, showcasing one of the highest growth rates in charitable contributions (34 percent). Among charities with a health focus, LLS is ranked sixth on the list.

For more than 30 years, LLS has been a pioneer in creating unique and innovative peer-to-peer fundraising campaigns.

**The Leukemia Cup Regatta**, a thrilling series of events that combines the joy of on-water sports with the important task of raising money to cure cancer, commenced in 1988. Skippers and their crews participate in more than 45 regattas nationwide.

LLS's flagship campaign **Team In Training**<sup>®</sup> was formed in 1988. From there, Team In Training has gone on to set the standard for endurance sports fundraising programs worldwide. More than 650,000 teammates have run, walked, hiked, cycled, climbed and competed in triathlons.

**Man & Woman of the Year**, a philanthropic competition, launched in 1990. Now taking place in nearly 100 communities across the country, the campaign brings together a passionate group of individuals and their teams for an exciting 10-week philanthropic competition to win the title of "Man or Woman of the Year."



Since 1993, children have experienced the satisfaction that comes from helping others by fundraising in honor of local, school-aged patients battling blood cancers. More than 14.5 million students, families and educators in 27,000 schools across the U.S. participate annually in programs, such as **Pennies for Patients**.

**Light The Night**<sup>®</sup> kicked off nationwide in 1999 and is now the fifth largest peer-to-peer fundraising program in the U.S. One million friends, families and co-workers gather together and bring light to the darkness of cancer, carrying illuminated lanterns in 140 inspirational evening walks to celebrate, honor or remember those touched by cancer. New innovative fundraising campaign **Students of the Year** launched nationally in 2017 and is helping to foster committed young philanthropists and redefine what giving looks like in today's charity and community service environment.

**LLS Lifestyle**, initiated in 2017, is a new peer-to-peer fundraising platform that enables LLS supporters to get creative and start their own movement. In its inaugural year, participants turned their creative ideas into impactful fundraising activities in support of LLS.



## PARTNERING FOR PROGRESS TOWARD CURES

We are grateful to our partners and sponsors, who harness the power of their consumers, communities and employees to help fight blood cancers. Some of our top partners include:

#### Burlington Stores, Inc.

For the past 17 years, LLS has partnered with Burlington to host an in-store point-of-sale campaign that raises funds to further the LLS mission. Through this campaign, Burlington associates ask customers to donate \$1 or more at checkout to raise critical funds for research and patient support that help to save lives and bring smiles to the faces of children and families impacted by blood cancer. Burlington is our number one National Corporate Partner and Honored Friend, having raised more than \$37 million since 2002.

#### United Food and Commercial Workers Union (UFCW)

UFCW takes great pride in the longstanding partnership with LLS—37 years and more than \$90 million raised. The Labor Against Cancer initiative, launched in 2017, features a fundraising drive among members, retail campaigns and walking to end cancer with LLS's Light The Night, and represents an unprecedented effort to mobilize more than one million members and their families to build awareness and help raise funds.

#### Walgreens

Walgreens has been collaborating with and supporting LLS since 2016, providing education and resources for patients and their families who are living with blood cancer; this includes training and certification for specialty pharmacists and sponsoring our Blood Cancer Conferences. Walgreens' commitment extends far beyond patient and professional education. Last year, more than 6,500 Walgreens stores participated in fundraisers that raised \$2.6 million for LLS. Nearly 250 Walgreens teams around the country also participated in Light The Night.



#### Subaru

Together, Subaru retailers and local LLS staff deliver cobranded blankets and arts and crafts kits to adults and children fighting cancer along with "message of hope" cards signed by visitors to the retailers, offering words of encouragement and hope. Since 2016, LLS and Subaru have donated more than 148,000 blankets and 21,500 arts and crafts kits and reached nearly 150,000 patients in more than 780 hospitals, with the help of more than 540 Subaru retailers nationwide.

#### WAWA

Wawa and The Wawa Foundation are proud partners of LLS, holding in-store customer engagement fundraising each year to benefit Light The Night. In 2018, The Wawa Foundation committed to presenting-level sponsorship support in both Philadelphia and Washington, D.C. Additionally, the Foundation recently announced a \$1 million grant to The LLS Children's Initiative to accelerate new and better treatments for pediatric blood cancers. We thank the following longstanding partners for their steadfast commitment to LLS's mission, supporting patient education, support services, advocacy and policy initiatives, our cutting edge research and fundraising campaigns:



Celgene Since 2001

## Takeda

Pharmacyclics and Janssen



## RECOGNIZING OUR SUPPORTERS

#### Celebrating a Beat AML Victory

This year, LLS achieved a historic milestone: we met our ambitious fundraising goal of \$125 million for Beat AML. Donors, volunteers, supporters, Beat AML project leads, and LLS staff and leadership gathered to celebrate at two festive events: one in New York City and the other in San Francisco.

Hosting the events, Dr. Louis DeGennaro declared: "I call it a victory, because that is exactly what this is. We took on the challenge of leading a global initiative to find new treatments for a cancer that had not seen real progress in four decades. And because of all of you, we are victorious and will continue to fight this battle."

The evenings highlighted how this, the first-ever capital campaign held by LLS, is a real game-changer—and not just for LLS but for the entire medical field. With our donors and partners, Beat AML advanced novel science and validated a revolutionary master clinical trial model that puts patients at the center of the research paradigm.

And, it opened the door for further advances in acute myeloid leukemia through continued Beat AML efforts, as well as the launch of The LLS Children's Initiative.

Beat AML demonstrates the power of philanthropy at LLS.

Honoring the life and contribution of campaign vice-chair, John Kellenyi, Michael Copley, national chair, spoke of John's impact. "The campaign would not have been the same without John," said Michael. "He was the most amazing fundraiser, friend and human being. John took tremendous pride in knowing what he did furthered the LLS mission by improving and saving the lives of patients."

From left: Cristina Kellenyi, Dr. Louis DeGennaro, Teresita Kellenyi, Michael Copley

"Our son Michael passed away in 2008 from AML and our goal is to support better treatments and results through the work of LLS and the Beat AML initiative. We want people who are diagnosed with AML to know that there is hope!"

 Kelly Treinen, The Michael Treinen Foundation, Noblesville, Indiana

"After losing our beloved son and brother Robert Lyon to AML in 2007, we dedicated our family foundation to supporting AML research to ensure that those facing


the same diagnosis have far better odds at beating the disease. With the Beat AML initiative in full swing, the Lyon Family Foundation is even more focused on disrupting the current trajectory for these patients and seeing treatment change at a really rapid rate!"

- Lyon Family, Chicago, Illinois

- "Women are changing the world through our growing leadership and strategic philanthropy. Collectively we're going to have a greater impact than alone. That is why we have launched Women Curing Cancer, a community of women seeking to accelerate cancer cures, especially for children. We believe the way to cure cancer is to identify the best and brightest researchers and support the most innovative and promising projects. Together, we can drive incredible progress in science and medicine."
- Lynne O'Brien and Evelyn Bata, PhD, Co-founders, Women Curing Cancer

Women Curing Cancer is a group of women leaders who are partnering with LLS to accelerate cancer cures.

"When I was diagnosed with CLL in 2001, I knew nothing about the disease or what it meant for my future. LLS provided the information I requested and put me in touch with my local chapter. That was the beginning of a long and wonderful relationship. Wanting to give back to LLS, I became a volunteer and later Trustee for the chapter and formed a Family & Friends team to participate in the annual Light The Night walk. My brother and sister-in-law, Steve and Maddy, have been incredibly generous over the years with their own philanthropy to LLS. We want our help to continue after us, so both Paul and I have named LLS in our will. Steve and Maddy established an annuity with LLS that will serve the same purpose."

- Helen Anbinder, New York

"My journey with LLS began in 2008 right after going through the frightening diagnosis of non-Hodgkin lymphoma. I heard about LLS's Team in Training and I felt I could use my personal experience to raise money for a more than worthy cause. I later served on the Long Island Chapter's Board of Trustees and learned about the funding needed for research, which is the only way to find a cure for all blood cancers. I decided to make a personal gift directly to research while also continuing my fundraising crusade for Team In Training. LLS has changed my life and will always be a part of my life as well as my family's."

- Gary Trovato, Long Island

# Acknowledging Our Extraordinary Volunteers

Our lifesaving work would not be possible without volunteers. Each day, volunteers across the country give their time and talent to activities that support our mission. Their efforts are game changing: they provide the leadership, big ideas and dedication we need to beat cancer.

LLS volunteers are part of a diverse and vibrant community of supporters who represent all walks of life and bring different experiences and passions to drive forward our mission. With countless ways to engage, from raising critical funds, to advocating for lifesaving policies, to providing support to those impacted by cancer, our volunteers are truly making a difference.

Since we started in 1949, the partnerships between volunteers and staff have been at the heart of our quest to find cancer cures. That's why LLS is committed to recognizing and engaging volunteers who support every facet of our organization.

This year, LLS launched Volunteers in Action (VIA), a new online and mobile platform that will help us do exactly that. VIA empowers volunteers throughout their journey with LLS, connecting them to the tools, resources and people they need to create impact. With VIA, volunteers can see the impact of their time, sign up for the latest opportunities and interact with staff and other volunteers who share their interests.

If you volunteer with LLS or have in the past, **THANK YOU** for your incredible partnership. You inspire us to work tirelessly toward our mission every single day.

If beating cancer is in your blood, we have a rewarding volunteer opportunity for you – whatever your interests, skills or time commitments.

Learn more at www.volunteerLLS.org.

We've met amazing people through LLS and built so many relationships, especially with Man & Woman of the Year candidates—some of whom are survivors themselves. And we've met others who don't have a connection, but just want to help. Becoming part of the LLS community has been such an amazing experience for our family.

 Rachel Dacanay-Smith, mother of Lucia, who was diagnosed with acute promyelocytic leukemia in 2018

After enduring an intense, nine-month treatment regimen, Lucia's cancer went into complete remission. As the 2019 Girl of the Year for LLS's National Capital Area Chapter, Lucia inspired Man & Woman of the Year candidates to raise significant funds and awareness.

# FINANCIALS

# **Independent Auditors' Report**

# The Board of Directors The Leukemia & Lymphoma Society, Inc.:

We have audited the accompanying consolidated financial statements of The Leukemia & Lymphoma Society, Inc. (LLS), which comprise the consolidated balance sheet as of June 30, 2019, and the related consolidated statements of activities, functional expenses and cash flows for the year then ended, and the related notes to the consolidated financial statements.

### Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

### Auditors' Responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the organization's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the organization's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of The Leukemia & Lymphoma Society, Inc. as of June 30, 2019, and the changes in its net assets and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.

### **Emphasis of Matter**

As discussed in note 1(t) to the consolidated financial statements, in 2019 The Leukemia & Lymphoma Society, Inc. adopted new accounting guidance, Accounting Standards Update 2016-14, Presentation of Financial Statements of Not-for-Profit Entities. Our opinion is not modified with respect to this matter.

# Report on Summarized Comparative Information

We have previously audited the The Leukemia & Lymphoma Society, Inc. 2018 consolidated financial statements, and we expressed an unmodified audit opinion on those audited consolidated financial statements in our report dated November 7, 2018. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2018 is consistent, in all material respects, with the audited consolidated financial statements from which it has been derived before the adjustments to adopt Accounting Standards Update 2016-14, Presentation of Financial Statements of Not-for-Profit Entities. As part of our audit of the 2019 consolidated financial statements, we also audited the adjustments described in note 1(t) that were applied to adopt Accounting Standards Update 2016-14, Presentation of Financial Statements of Not-for-Profit Entities retrospectively in the 2018 consolidated financial statements. In our opinion, such adjustments are appropriate and have been properly applied.

KPMG LLP

November 5, 2019

# **Consolidated Balance Sheet**

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts at June 30, 2018) (In thousands)

Assets	 2019	2018
Cash and cash equivalents	\$ 24,735	27,628
Prepaid expenses and other assets	4,653	2,767
Contribution and other receivables, net (note 7)	15,489	32,255
Investments (note 4)	407,903	319,662
Fixed assets, net (note 10)	 9,161	8,614
Total assets	\$ 461,941	390,926
Liabilities and Net Assets		
Liabilities:		
Accounts payable and accrued expenses	\$ 23,487	21,907
Deferred revenue (note 8)	13,739	16,243
Awards and grants payable (note 2)	50,974	51,673
Co-Pay assistance payable (note 3)	94,957	54,696
Other long-term liabilities (note 11)	 4,715	3,835
Total liabilities	 187,872	148,354
Commitments and contingencies (notes 2, 3, 12 and 14)		
Net assets:		
Without donor restrictions	178,099	149,199
With donor restrictions (notes 3 and 6)	 95,970	93,373
Total net assets	 274,069	242,572
Total liabilities and net assets	\$ 461,941	390,926

# **Consolidated Statement of Activities**

The Leukemia & Lymphoma Society, Inc. / Year ended June 30, 2019 (with summarized totals for the year ended June 30, 2018) (In thousands)

		Without Donor	With Donor	Total	
		Restrictions	Restrictions	2019	2018
Operating revenue:					
Contributions	\$	273,691	20,832	294,523	282,108
Less direct donor benefit costs	_	(29,624)		(29,624)	(29,198)
Net campaign contributions		244,067	20,832	264,899	252,910
Co-Pay contributions (note 3)		_	90,930	90,930	159,851
Therapy Acceleration Program contractual return		4,495	_	4,495	3,855
Service revenue		14,936	_	14,936	9,230
Donated services, goods and media (note 9)		11,987	_	11,987	7,715
Legacies and other revenue		6,721	13,187	19,908	11,018
Net interest and dividend income		5,265	1,921	7,186	4,316
Net assets released from restrictions:					
Co-Pay assistance (note 3)		102,057	(102,057)	_	_
Satisfaction of other donor restrictions		22,456	(22,456)	_	_
Total operating revenue	_	411,984	2,357	414,341	448,895
Operating expenses:					
Program services:					
Research		71,119	_	71,119	66,865
Patient and community service		153,138	_	153,138	162,707
Public health education		45,130	_	45,130	39,557
Professional education		14,500	_	14,500	16,425
	-	<u> </u>			
Total program services	-	283,887		283,887	285,554
Supporting services:					
Management and general		54,258	_	54,258	44,698
Fund raising	_	49,101		49,101	42,342
Total supporting services	_	103,359		103,359	87,040
Total operating expenses	_	387,246		387,246	372,594
Change in net assets from operating activitie	es	24,738	2,357	27,095	76,301
Foreign currency translation adjustment and other		(38)	1	(37)	(99)
Net increase in fair value of investments	_	4,200	239	4,439	7,060
Change in net assets		28,900	2,597	31,497	83,262
Net Assets:					
Beginning of period	_	149,199	93,373	242,572	159,310
End of period	\$	178,099	95,970	274,069	242,572

Expenses
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The Leukemia & Lymphoma Society, Inc. / Year ended June 30, 2019 (with comparative totals for the year ended June 30, 2018) (In thousands)

Awards and grantsResearchPatient and community servicePatient and communityAwards and grants\$ 45,687-Therapy acceleration program2,433-Clinical trial10,468-Financial aid to patients-97,151Co-Pay assistance-97,151Co-Pay assistanceCo-Pay assistance-97,151Co-Pay assistanceDonated services, goods andMediaMediaMediaMediaMediaMediaMediaMediaMediaMediaMediaMedia <th>Public health education education education</th> <th>2 4</th> <th></th> <th>Management and</th> <th>-</th> <th>ļ</th> <th>Year ended</th> <th>June 30, -</th> <th>Ulrect donor benefit costs</th> <th>onor octe</th>	Public health education education education	2 4		Management and	-	ļ	Year ended	June 30, -	Ulrect donor benefit costs	onor octe
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Depreciation and amortization8141	127	39	315	3,937	112	4,049	4,364	5,499		I
Total expenses \$ 71,119 153,138	45,130	14,500 283	283,887 54	54,258	49,101	103,359	387,246	372,594	29,624	29,198

# **Consolidated Statement of Cash Flows**

The Leukemia & Lymphoma Society, Inc. / Year ended June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (In thousands)

	_	2019	2018
Cash flows from operating activities:			
Change in net assets	\$	31,497	83,262
Adjustments to reconcile change in net assets to net cash			
provided by operating activities:			
Net increase in fair value of investments		(3,497)	(7,341)
Depreciation and amortization		4,364	5,499
Provision for uncollectible accounts		396	(630)
Changes in operating assets and liabilities:			
Prepaid expenses and other assets		(1,886)	846
Contributions and other receivables, net		16,370	(13,840)
Accounts payable and accrued expenses		1,580	196
Other long-term liabilities		880	668
Deferred revenue		(2,504)	2,215
Awards and grants payable		(699)	(12,379)
Co-Pay assistance payable		40,261	34,625
Net cash provided by operating activities		86,762	93,121
Cash flows from investing activities:			
Purchases of fixed assets		(4,911)	(3,994)
Purchases of long-term investments		(92,600)	(150,533)
Sales of investments	_	7,856	47,633
Net cash used in investing activities		(89,655)	(106,894)
Net decrease in cash and cash equivalents		(2,893)	(13,773)
Cash and cash equivalents at beginning of period		27,628	41,401
Cash and cash equivalents at end of period	\$ _	24,735	27,628

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

### 1) Organization and Summary of Significant Accounting Policies

### (a) Organization

The Leukemia & Lymphoma Society, Inc. (LLS) is the world's largest voluntary health agency dedicated to finding cures for blood cancers and providing services to blood cancer patients, their families, and caregivers. LLS's mission is to cure leukemia, lymphoma, Hodgkin's disease, and myeloma and improve the quality of life of patients and their families. LLS research grants have funded many of today's most promising advances for the treatment of blood cancer patients, including targeted therapies and immunotherapies. LLS is a leading source of publicly available information regarding blood cancer and education and support programs. LLS influences public policies that accelerate the development and approval of new blood cancer therapies and advocates for all blood cancer patients and their families, helping patients navigate their cancer treatments and access to quality, affordable and coordinated care. LLS is dedicated to removing barriers to care by representing the healthcare and medical research interests of patients and families to policy makers at all levels of government.

### (b) Principles of Consolidation

The accompanying consolidated financial statements include the accounts of LLS that encompass the National Office of LLS and its fifty six chapters in the United States, and LLS's not for profit affiliates, including The Leukemia & Lymphoma Society of Canada, Inc. (LLSC) and its five chapters in Canada, The Leukemia & Lymphoma Society Research Programs, Inc. (LLSRP), The Leukemia & Lymphoma Society Research Foundation (LLSRF), and PearlPoint Cancer Support, Inc. (PPCS). Effective March 28, 2016, LLS became the sole member of PPCS. Effective February 8, 2018, PPCS was dissolved. All significant intercompany and intra LLS accounts and transactions have been eliminated in consolidation.

#### (c) Tax-Exempt Status

LLS, LLSRP and LLSRF qualify as charitable organizations as defined by Internal Revenue Code Section 501(c)(3) and, accordingly, are exempt from federal income taxes under Internal Revenue Code Section 501(a). Additionally, since these organizations are publicly supported, contributions qualify for the maximum charitable contribution deduction under the Internal Revenue Code.

LLSC is registered as a charitable organization under the Income Tax Act (Canada) and is, therefore, not subject to income taxes if certain disbursement requirements are met.

LLS and its related entities recognize the effect of income tax positions only if those tax positions are more likely than not to be sustained. Income generated from activities unrelated to exempt purposes are subject to tax under Internal Revenue Code Section 511. There were no entities that recognized any unrelated business income tax liability for the years ended June 30, 2019 and 2018.

#### (d) Estimates

The preparation of the consolidated financial statements in conformity with generally accepted accounting principles requires LLS's management to make estimates and assumptions that affect the amounts reported in the consolidated financial statements and accompanying notes. The significant estimates made in the preparation of these consolidated financial statements include allocation of expenses, and valuation of donated goods, services and media. Actual results could differ from those estimates.

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

#### (e) Risks and Uncertainties

LLS invests in various investment securities. Investment securities are exposed to various risks such as interest rate risks, fluctuations in market values, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the consolidated balance sheet.

LLS's principal source of revenue is contributions by the general public. Accordingly, LLS's operations are dependent upon individual contributions, that are affected by general economic conditions, employment levels, and other factors over which LLS has little or no control. By contrast to the granularity of the general public donations, the Co Pay program in 2019 and 2018 was funded by six donors, respectively. In addition, the Beat AML Master Trial was primarily funded by seven donors in 2019 and 2018, respectively.

#### (f) Summarized Financial Information

The consolidated financial statements are presented with 2018 summarized information. With respect to the consolidated statement of activities, such prior year information is not presented by net asset class and, in the consolidated statement of functional expenses, 2018 expenses by object are presented in total rather than by functional category. Accordingly, such information should be read in conjunction with LLS's 2018 consolidated financial statements from which the summarized information was derived.

#### (g) Subsequent Events

LLS evaluated subsequent events after the balance sheet date of June 30, 2019 through November 5, 2019, which was the date the consolidated financial statements were issued, and concluded that no additional disclosures are required.

#### (h) Net Asset Classifications

To ensure observance of limitations and restrictions placed on the use of resources available to LLS, funds that have similar characteristics have been classified into two net asset categories as follows:

Net assets without donor restrictions: Consist of funds that are fully available, at the discretion of LLS's Board of Directors, for LLS to utilize in any of its programs or supporting services.

Net assets with donor restrictions: Consist of funds that are restricted by donors for a specific time period and/or purpose. Also included in this category are net assets subject to donor imposed restrictions, which stipulate that the principal be maintained by LLS, but permits LLS to expend part or all of the income and gains derived there from. Expirations of restrictions are reported as net assets released from restrictions when the donor stipulated purpose has been fulfilled and/or the amount has been appropriated in compliance with the Board approved spending policy (note 6).

Revenue and gains and losses on investments and other assets and liabilities are reported as changes in net assets without restrictions unless limited by explicit donor imposed restrictions or by law. Expenses are reported as decreases in net assets without donor restrictions.

LLS delineates changes in net assets without donor restrictions as operating or non operating activities. Operating activities include all operating revenues and expenses that are an integral part of its programs and supporting activities and net assets released from donor restrictions to support operating expenditures. The measure of operations include support for operating activities from both with donor restrictions and without donor restrictions designated for long term investment according to LLS's spending rate policy (note 6). Non operating activities include changes in fair value of investments and foreign currency translation adjustment and other nonrecurring items.

#### (i) Foreign Currency Translation

LLSC uses the Canadian dollar as its functional currency. Accordingly, the currency translation of the financial statements of LLSC to U.S. dollars is included as a translation adjustment in the consolidated statement of activities.

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The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

### (j) Fair Value Measurements

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants at the measurement date. The three levels of the fair value hierarchy are as follows:

- Level 1 inputs are quoted or published prices (unadjusted) in active markets for identical assets or liabilities that a reporting entity has the ability to access at the measurement date.
- Level 2 inputs other than quoted or published prices included within Level 1 that are observable for the asset or liability, either directly or indirectly.
- Level 3 unobservable inputs for the asset or liability.

LLS follows the provisions of Accounting Standards Codification (ASC) 820, Fair Value Measurement, for its alternative investments that do not have readily determinable fair values, including hedge funds, limited partnerships, and other funds. This guidance allows, as a practical expedient, for the estimation of the fair value of investments in investment companies for which the investment does not have a readily determinable fair value, using net asset value (NAV) per share or its equivalent, as reported by the investment managers.

The classification of investments in the fair value hierarchy is not necessarily an indication of the risks, liquidity, or degree of difficulty in estimating the fair value of each investment's underlying assets and liabilities.

### (k) Contributions, Grants and Deferred Revenue

Contributions are recorded as revenue, at their fair value, when received or promised unconditionally. Contributions received with donor restrictions that limit their use are reported as revenues with donor restrictions. When a donor restriction is met through the passage of time or fulfillment of a purpose restriction, net assets with donor restrictions are reclassified to net assets without donor restrictions and reported in the consolidated statement of activities as net assets released from restrictions.

Contributions expected to be received after one year are discounted at a risk adjusted rate of return. Amortization of the discount is recorded as additional contribution revenue in accordance with the donor imposed restrictions, if any, on the contributions.

Conditional contributions are recognized as revenue when the conditions have been substantially met. Certain grants are accounted for as exchange transactions whereby revenue is recognized when the related expenses are incurred. Amounts received under these arrangements but not yet expended are reported as deferred revenue.

#### (I) Service Revenue

Service revenue is accounted for as an exchange transaction whereby revenue is recognized when the related expenses are incurred. Amounts received under these arrangements but not yet expended are reported as deferred revenue.

#### (m) Donated Goods and Services

LLS has determined that certain of the donated goods and services it receives meet the criteria for recognition in the consolidated financial statements. The value of contributed goods was determined based on fair market value estimates. The value of contributed services was determined for volunteers that possess specialized skills, and would otherwise need to be purchased. These goods and services are recognized as revenue and expense (note 9).

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

### (n) Donated Media

LLS has conducted national public service announcements (PSA) media campaigns and benefited from donated media time that was aired on television and radio. The value of contributed media, which is recognized in the consolidated financial statements, was estimated based on the placement, audience, and demographics of the PSA's (note 9).

#### (o) Cash Equivalents

Cash equivalents consist of short term investments with an original maturity of three months or less from date of purchase, except for amounts held in investments.

#### (p) Investments

Investments are stated at fair value based upon quoted or published market prices, except for the fair values of alternative investments which are based on NAVs provided by the fund managers or general partners, based upon the underlying net assets of the funds consistent with the concepts of ASC 820. These values are reviewed and evaluated by management.

### (q) Fixed Assets and Depreciation

Fixed assets, which consist principally of equipment, software, and leasehold improvements, are recorded at cost, and are depreciated or amortized using the straight line method over the estimated useful lives of the assets or the terms of the leases, if shorter, ranging 2 to 10 years (leasehold improvements 7 years; furniture, fixtures, and office equipment 7 to 10 years, and computer equipment and software 2 to 5 years).

#### (r) Other Long Term Liabilities

Other long term liabilities represent LLS's liability for the Internal Revenue Code Section 457 deferred compensation plans recorded at fair market value (note 11), straight line rent of office leases (note 12), and capital leases.

### (s) Professional Fees

Professional fees included in the consolidated financial statements principally include professional fund raising fees, contracted software development, and legal and auditing fees.

#### (t) Adopted Accounting Pronouncements

The FASB issued Accounting Standards Update (ASU) 2016 14, Presentation of Financial Statements of Not for Profit Entities, which among other things, changes how not for profit entities report net asset classes, expenses and liquidity in their financial statements. LLS adopted the main provisions of this guidance which include, the reduction of the number of net asset classes from three to two: with donor restrictions, previously reported as temporally restricted net assets of \$90,221 and permanently restrictions net assets of \$3,152, in 2018, and without donor restrictions, previously reported as unrestricted net assets of \$149,199, in 2018; the presentation of expenses by their function and their natural classification in one location; and quantitative and qualitative information about the management of liquid resources and availability of financial assets to meet cash needs within one year of the balance sheet date.

(continues »)

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

### (u) Upcoming Accounting Standards

ASU No. 2014 09, *Revenue from Contract with Customers (Topic 606)* – This ASU, effective for LLS's fiscal year ending June 30, 2020, will require LLS to recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which LLS expects to be entitled in exchange for those goods or services. Management is evaluating the effect ASU 2014 09 will have on its consolidated financial statements.

ASU No. 2018 08, *Not for Profit Entities (Topic 958)*: Clarifying the Scope and the Accounting Guidance for Contribution Received and Contributions Made – This ASU, effective for the LLS's fiscal year ending June 30, 2020, is intended to clarify how entities determine whether to account for a transfer of assets (or a reduction, settlement, or cancellation of a lability) as an exchange transaction or a contribution based on whether commensurate value has been received or transferred. The new guidance also clarifies that a contribution is conditional if the agreement includes both a barrier that must be overcome for the recipient to be entitled to the assets transferred and a right of return for the transferred assets or a right of release of a promisor's obligation to transfer assets. Management is evaluating the effect ASU 2018 08 will have on its consolidated financial statements.

ASU No. 2016 02, *Leases (Topic 842)* – This guidance, effective for LLS's fiscal year ending June 30, 2022, requires a lessee to recognize a right of use asset and a lease liability, initially measured at the present value of the lease payments on the consolidated balance sheet and disclosing key information about leasing arrangements. Management is evaluating the effect ASU 2016 02 will have on its consolidated financial statements.

#### (v) Functional Allocation of Expense

The costs of providing the various programs and other activities have been summarized on a functional basis. Accordingly certain costs attributable to more than one program or supporting services function are allocated using cost allocation methods such as square footage and estimate of time and effort.

LLS allocates expenses relating to the operation and maintenance of plant and depreciation using building square footage based on functional use.

### 2) Research

LLS has various activities that are utilized to carry out its mission as presented below:

#### Research:

Awards and Grants: Awards and grants for research are approved by LLS's Board of Directors and are recognized as expense when contractual conditions have been satisfied. The budgets for multi year grants, which are generally two to five years in length, are approved on an annual basis and may be terminated at the discretion of LLS's Board of Directors. LLS has multi year grant commitments of \$39,093 at June 30, 2019, which are conditioned upon future events and, accordingly, are not recorded. LLS has unconditional grants payable of \$50,974 and \$51,673 at June 30, 2019 and 2018, respectively, which are anticipated to be paid in the next year. Grant refunds of approximately \$1,665 and \$984 as of June 30, 2019 and 2018, respectively, have been netted against awards and grants expense.

#### Therapy Acceleration Program (TAP):

TAP is LLS's strategic initiative to speed the development of blood cancer treatments and supportive diagnostics by creating business alliances with biotechnology and pharmaceutical companies. TAP provides funding for investigational new drug enabling studies and clinical stage projects. TAP contracts are recognized as an expense in the year program milestones are achieved. Multi year contracts, which are generally two to three years in length, are reviewed against milestones on a quarterly basis and may be terminated at the discretion of LLS's Board of Directors. LLS has contract commitments of \$14,471 and \$12,745 at June 30, 2019 and 2018, respectively, that are conditioned upon future events and, accordingly, are not recorded. Grant refunds of approximately \$320 and \$591 as of June 30, 2019 and June 30, 2018, respectively have been netted against therapy acceleration program contractual return.

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

Commitments for the awards and grants and TAP programs are contingent upon the satisfactory completion of milestones and/or other conditions in the grant and contract agreements. If such conditions are satisfied, the amounts are estimated to be paid as follows:

Year ending June 30:	
2020	\$ 30,206
2021	17,868
2022	5,323
2023 and thereafter	 167
Total	\$ 53,564

For the year ended June 30, 2019 and 2018, LLS received \$4,495, and \$3,855 of TAP contractual returns from various TAP contracts.

# 3) Co-Pay Assistance Program

*Co-Pay Assistance Program:* The Co-Pay Assistance program offers financial assistance to patients in meeting their insurance Co-Pay obligations for prescription medications or private/public health insurance premiums. Revenue is recognized when donations are received while expenses are recognized as patient applications are approved for participation according to program criteria and on availability of funding. The Co-Pay Assistance payable of \$94,957 and \$54,696 has been established based on approved patient applications received through June 30, 2019 and 2018, respectively. At June 30, 2019, net assets with donor restrictions include \$43,279 received through June 30, 2019, which are available for expenditure and are intended to be awarded in future periods.

The following summarizes the activities of the Co-Pay Assistance program as of June 30, 2019.

	_	June 30, 2019	June 30, 2018
Beginning balance	\$	52,528	8,148
Contributions		90,930	159,851
Investment Gains		1,878	326
Amount expended during the year:			
Direct assistance to patients		(97,151)	(108,442)
Other expenses incurred and reimbursed under the contract	_	(4,906)	(7,355)
Amounts available for expenditures in subsequent periods	\$	43,279	52,528

(continues »)

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

# 4) Investments

The following tables present LLS's fair value hierarchy of investments measured at fair value on an annual basis as of June 30, 2019 and June 30, 2018:

	_	2019	Level 1	Level 2	Level 3
Money market funds and cash	\$	239,287	239,287	_	_
Fixed income:					
Corporate bonds		63,201	63,201	—	—
Equities:					
Large cap equity		39,198	39,198	_	_
International equity		26,695	26,695	_	_
Small/mid cap equity		26,273	26,273	_	_
Commodities	_	4,935	4,935		
	_	399,589 \$	399,589		
Investments reported at NAV:					
Multi strategy hedge funds	_	8,314			
	\$	407,903			

		2018	Level 1	Level 2	Level 3
Money market funds and cash	\$	158,371	158,371	_	_
Fixed income:					
Corporate bonds		56,758	56,758	_	_
Government securities and other		849	849	_	—
Equities:					
Large cap equity		35,644	35,644	_	—
International equity		33,437	33,437	_	_
Small/mid cap equity		22,872	22,872	_	_
Commodities		3,665	3,665		
	_	311,596	\$311,596		
Investments reported at NAV:					
Multi strategy hedge funds	_	8,066			
	\$	319,662			

Within the investment balance as of June 30, 2019 and June 30, 2018 are \$123,297 and \$89,492 restricted to Co-Pay, respectively.

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

LLS's alternative investments strategy:

*Multi strategy hedge funds* – represent investments in a broad range of investment strategies that seek to exploit opportunities as they occur in the markets due to temporary dislocations or structural inefficiencies and include event driven strategies, distressed debt, merger and other arbitrage, and value investing.

This strategy creates indirect exposure to LLS through short sales of securities, trading in future and forward contracts, and other derivative products. Derivatives are investment contracts used to hedge risk. While these financial instruments may contain varying degrees of risk, LLS's risk with respect to such transactions is limited to its capital balance in each investment.

LLS's alternative investments contain various redemption restrictions with required written notice ranging from 45–95 days. By contrast, all of LLS's nonalternative investments are highly liquid and can be redeemed daily without restriction. As of June 30, 2019 and 2018, the following table summarizes the redemption provisions for those investments reported at NAV:

	_	2019	2018
Redemption period:			
Monthly	\$	1,600	_
Quarterly		4,000	6,380
Semi-Annual		1,000	_
Annual	_	1,714	1,686
Total	\$	8,314	8,066

As of June 30, 2019 and 2018, LLS had no unfunded commitments on its alternative investments.

### 5) Financial Assets

LLS goal is to maintain financial assets to meet the requirements of all outstanding commitments, excluding Co-Pay, both current and conditional as well as a minimum of 25-50% of annual general expenditures. LLS considers all expenditures related to its ongoing mission-related activities as well as the conduct of services undertaken to support those activities to be general expenditures, excluding expenditures related to LLS Co-Pay Program. As part of LLS liquidity plan, excess cash is invested in short term investments, including money market accounts, fixed income and equities.

In addition to available financial assets, LLS operates with a balanced budget and anticipates collecting sufficient revenue to cover all general expenditures. Refer to the statement of cash flows, which identifies the sources and uses of LLS' cash and shows positive cash generated by operations for fiscal years 2019 and 2018.

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The Leukemia & Lymphoma Society, Inc. / June 30, 2019

(with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

The following represents LLS's financial assets as of June 30, 2019:

	 2019
Financial assets at year end:	
Cash and cash equivalents	\$ 24,735
Contributions and other receivable	15,489
Investments	 407,903
Total financial assets	 448,127
Less amounts not available to be used within one year:	
Contributions and other receivable with donor restrictions not to be met in less than a year	9,485
Alternative investments with redemptions greater than 12 months	1,714
Equity holdings not expected to be redeemed	8,866
Restricted to support Co-Pay patients	138,538
Perpetual donor restriction	 3,117
Total financial assets not available for use	 161,720
Financial assets available to meet general expenditures within one year of the balance sheet date	\$ 286,407

### 6) Net assets with donor restrictions

Net assets with donor restrictions and the income earned are available for the following purposes at June 30, 2019 and 2018:

	_	2019	2018
Research	\$	8,501	8,977
Patient and Community Service		4,544	4,609
Public Health Education		3,579	2,572
Professional Education		3,599	2,783
Beat AML Initiative		23,611	14,750
Children's Initiative		2,905	851
Beat AML Master Trial		5,623	6,144
Co-Pay		43,279	52,528
Other		329	159
Total net assets with donor restriction	\$_	95,970	93,373

The Leukemia & Lymphoma Society, Inc. / June 30, 2019

(with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

LLS follows the provisions of the New York Prudent Management of Institutional Funds Act, which imposes guidelines on the management and investment of endowment funds. LLS has interpreted the relevant law as allowing LLS to appropriate for expenditure or accumulate so much of an endowment fund as LLS determines is prudent considering the uses, benefits, purposes, and duration for which the endowment fund is established, subject to the intent of the donor as expressed in the gift instrument.

LLS has adopted investment and spending policies for endowment assets that attempt to provide a predictable stream of funding to programs supported by its endowment funds while seeking to protect the original value of the gift. The spending rate policy at June 30, 2019 and 2018 was 4%, plus any additional amounts advised by donors. Under this policy, the endowment assets are invested in a manner that is intended to produce results consistent with LLS's overall investment strategy.

The following table presents changes in the donor restricted endowment funds for the year ended June 30, 2019 and 2018:

	 2019	2018
Endowment net assets at July 1	\$ 6,577	6,282
Investment income	304	551
Foreign currency translation adjustment	2	(7)
Appropriation for expenditure	 (303)	(249)
Endowment net assets at June 30	\$ 6,580	6,577

### 7) Contribution and other receivables

LLS's contribution and other receivables at June 30, 2019 and June 30, 2018 consist of unconditional promises to give, receivables associated with service revenue, and legacies for which the underlying wills have been declared valid by the probate court and no other conditions are required to be met.

Contributions and other receivables consist of the following:

	 2019	2018
Campaign contributions	\$ 2,909	1,539
Other restricted contributions	11,627	15,266
Co-Pay contributions	_	15,100
Service revenue	 953	350
Total	\$ 15,489	32,255

(continues »)

The Leukemia & Lymphoma Society, Inc. / June 30, 2019

(with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

Contributions receivables are originally recorded based on discounted cash flows using a risk adjusted discount rate. Amounts are scheduled to be received as follows:

	_	2019	2018
Less than one year	\$	11,027	24,400
One to five years		6,287	10,076
		17,314	34,476
Less:			
Allowance for uncollectible accounts		(641)	(987)
Discount to present value (1.5% to 5.0%)	_	(1,184)	(1,234)
Total	\$	15,489	32,255

As of June 30, 2019 and 2018, 39% and 77% of contributions and other receivables were from one and two funding sources, respectively.

### 8) Deferred Revenue

The majority of deferred revenue includes amounts received for special events that will be held subsequent to the fiscal year end. Deferred revenue as of June 30, 2019 and 2018 consists of the following:

	_	2019	2018
Special events	\$	11,782	12,386
Service revenue		1,957	3,857
Total	\$	13,739	16,243

### 9) Donated Services, Goods and Media

The value of donated goods, donated services for family support group facilitators and research grant reviewers, as well as donated media are included in both revenue and expense as shown below:

	_	2019	2018
Donated goods	\$	1,616	1,483
Donated services		2,924	2,950
Donated media	_	7,447	3,282
Total	\$_	11,987	7,715

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

### 10) Fixed Assets, Net

Fixed assets at June 30, 2019 and 2018 consist of the following:

	_	2019	2018
Leasehold improvements	\$	2,577	2,079
Furniture, fixtures, and other office equipment		4,725	4,154
Computer equipment and software		43,073	39,231
Total		50,375	45,464
Less accumulated depreciation and amortization	_	(41,214)	(36,850)
Fixed assets, net	\$	9,161	8,614

### 11) Retirement Plans

LLS has a defined contribution 403(b) plan covering all employees meeting age and service requirements. LLS contributions are based on a percentage of each eligible employee's salary and years of service. Expenses under this plan aggregated \$2,432 and \$2,336 for the years ended June 30, 2019 and 2018, respectively.

LLS has nonqualified deferred compensation plans for its executive staff subject to the provisions of the Internal Revenue Code Section 457 (the 457 Plans). There were no expenses incurred for the years ended June 30, 2019 and 2018. The assets of the 457 Plans are included in investments in the accompanying consolidated balance sheet and amounted to approximately \$1,747 and \$1,586 at June 30, 2019 and 2018, respectively. The liabilities of the 457 Plans are included in other long term liabilities in the accompanying consolidated balance sheet and amounted to approximately \$1,747 and \$1,586 at June 30, 2019 and 2018, respectively.

### 12) Lease Commitments

The leases for premises, which LLS's National Office and chapters occupy, expire on various dates through March 31, 2031, and provide for certain payments subject to escalation and periodic rate increases relating to real estate taxes, operating expenses, and utilities.

The approximate minimum aggregate future annual rental commitments are summarized as follows:

\$ 8,522
8,092
7,395
5,733
3,364
 10,433
\$ 43,539

(continues »)

The Leukemia & Lymphoma Society, Inc. / June 30, 2019 (with comparative amounts for the year ended June 30, 2018) (Amount in thousands)

# 13) Joint Costs Allocation

For the years ended June 30, 2019 and 2018, LLS incurred expenses to conduct activities that had both fundraising appeals as well as mission program and management and general components (joint activities). Those joint activities included direct mail, coinboards, and media campaigns. Such costs are allocated based on applicable accounting standards and were allocated as follows:

	 2019	2018
Fundraising	\$ 10,150	7,463
Patient and community service	2,978	3,496
Public health education	 7,164	4,884
Total	\$ 20,292	15,843

# 14) Contingent Liabilities

LLS is a defendant in various lawsuits arising in the normal course of business. Management does not expect the ultimate resolution of these actions to have a material adverse effect on LLS's financial position.

# ACKNOWLEDGMENTS

# **Research Grants**

# Specialized Center of Research

The Specialized Center of Research program funds multidisciplinary research by teams of leading-edge academic investigators that hastens the discovery and development of better treatments for leukemia, lymphoma and myeloma patients. A center is comprised of at least three independent research programs that are integrated and supported by scientific core laboratories.

John Cleveland, PhD, 2019 H. Lee Moffitt Cancer Center & Research Institute

Madhav Dhodapkar, MBBS, 2020\* Emory University

Dr. Madhav Dhodapkar is jointly funded by Emory University.

Helen Heslop, MD, 2019 Baylor College of Medicine

Craig Jordan, PhD, 2019 University of Colorado Denver, Anschutz Medical Campus

Dr. Craig Jordan is jointly funded by the University of Colorado Denver, Anschutz Medical Campus.

Carl June, MD, 2020\* The Trustees of the University of Pennsylvania, Medical Center

Jonathan Licht, MD, 2020\* University of Florida

Tak Mak, PhD, 2017 University Health Network

Ari Melnick, MD, 2016 Joan & Sanford I. Weill Medical College of Cornell University

Dr. Ari Melnick is funded in part by Joan & Sanford I. Weill Medical College of Cornell University and donations from the Escher Foundation, the Jim Jacobs Foundation, the LIUNA Charitable Foundation, the Melryder Foundation, and Angela and Gary Trovato. Stephen Nimer, MD, 2018 University of Miami

Dr. Stephen Nimer is funded in part by donations from the Sylvester Comprehensive Cancer Center of the University of Miami.

Robert Orlowski, MD, PhD, 2018 The University of Texas MD Anderson Cancer Center

Andreas Strasser, PhD, FAA, MSc, 2018 Walter & Eliza Hall Institute of

David Weinstock, MD, 2016 Dana-Farber Cancer Institute

Medical Research

Dr. David Weinstock is funded in part by a donation from Sandra Abbott.

Anas Younes, MD, 2017 Sloan Kettering Institute for Cancer Research

Dr. Anas Younes is funded in part by donations from the Jewish Federation of Cleveland, Sandi and Stan Kahan, and Cathy and Scott Zeilinger.

# Career Development Program (Scholars and Clinical Scholars)

The Career Development Program provides stipends to investigators of exceptional promise in the early stages of their careers, helping them devote their careers to research in leukemia, lymphoma or myeloma.

Omar Abdel-Wahab, MD, 2017 Sloan Kettering Institute for Cancer Research

Arash Alizadeh, MD, PhD, 2020\* Board of Trustees of the Leland Stanford Junior University

Philippe Armand, MD, PhD, 2019 Dana-Farber Cancer Institute

Saro Armenian, DO, MPH, 2017 Beckman Research Institute of the City of Hope Uttiya Basu, PhD, 2016 The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Robert Bradley, MD, 2018 Fred Hutchinson Cancer Research Center

Dr. Robert Bradley is funded in part by a donation from S Lori Brown.

Jason Butler, PhD, 2019 Hackensack Meridian Health

Fernando Camargo, PhD, 2016 Boston Children's Hospital

Grant Challen, PhD, 2019 Washington University in St. Louis

Jianjun Chen, PhD, 2018 Beckman Research Institute of

the City of Hope Jerry Chipuk, PhD, 2017 Icahn School of Medicine at Mount Sinai

Tomek Cierpicki, PhD, 2017 Regents of the University of Michigan

Simona Colla, PhD, 2019 The University of Texas MD Anderson Cancer Center

Alexey Danilov, MD, PhD, 2019 Oregon Health & Science University

Matthew Davids, MD, 2019 Dana-Farber Cancer Institute

Dr. Matthew Davids is funded in part by Dana-Farber Cancer Institute and donations from Genentech and Imagine a Cure for Leukemia.

Lei Ding, PhD, 2020\* The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Todd Druley, MD, PhD, 2019\*\* Washington University in St. Louis

Takeshi Egawa, MD, PhD, 2018 Washington University School of Medicine in St. Louis

Areej El-Jawahri, MD, 2020\* Massachusetts General Hospital Maria Figueroa, MD, 2019 University of Miami

Benjamin Garcia, PhD, 2016 Perelman School of Medicine at the University of Pennsylvania

Alfred Garfall, MD, 2020\* Perelman School of Medicine at the University of Pennsylvania

Ramiro Garzon, MD, 2016 The Ohio State University

Irene Ghobrial, MD, 2017 Dana-Farber Cancer Institute

Dr. Irene Ghobrial is jointly funded by Dana-Farber Cancer Institute.

David Guertin, PhD, 2016 University of Massachusetts Medical School

Alex Herrera, MD, 2019 Beckman Research Institute of the City of Hope

Dr. Alex Herrera is fully funded by a donation from Toni and Emmet Stephenson.

Katharine Hsu, MD, PhD, 2017 Sloan Kettering Institute for Cancer Research

Keisuke Ito, MD, PhD, 2019 Albert Einstein College of Medicine, Inc.

Peng Ji, MD, PhD, 2018 Northwestern University

Hao Jiang, PhD, 2019 University of Virginia

Alex Kentsis, MD, PhD, 2020\* Sloan Kettering Institute for Cancer Research

Michael Kharas, PhD, 2018 Sloan Kettering Institute for Cancer Research

Kasey Leger, MD, 2020\* Seattle Children's Hopsital

Rong Lu, PhD, 2020\* University of Southern California

Dr. Rong Lu is jointly funded by the University of Southern California.

Ravindra Majeti, MD, PhD, 2016 Board of Trustees of the Leland Stanford Junior University

\*Newly awarded or renewed grants in Fiscal Year 2020 \*\*Grantee prematurely terminated award in Fiscal Year 2019

Shannon McKinney-Freeman, PhD, 2019

St. Jude Children's Research Hospital

Constantine Mitsiades, MD, PhD, 2017 Dana-Farber Cancer Institute

Alison Moskowitz, MD, 2020\* Sloan Kettering Institute for Cancer Research

Ann Mullally, MD, 2018 Brigham and Women's Hospital

Daisuke Nakada, PhD, 2020\* Baylor College of Medicine

Lakshmi Nayak, MD, 2019 Dana-Farber Cancer Institute

Trista North, PhD, 2017 Boston Children's Hospital

Ryan O'Connell, PhD, 2018 The University of Utah

Eirini Papapetrou, MD, PhD, 2019 Icahn School of Medicine at Mount Sinai

Christopher Park, MD, PhD, 2018 New York University School of Medicine

Daniel Pollyea, MD, 2020\* University of Colorado Denver, Anschutz Medical Campus

Zhijian Qian, PhD, 2019 University of Florida

Christiane Querfeld, MD, PhD, 2019 Beckman Research Institute of the City of Hope

Dr. Christiane Querfeld is fully funded by a donation from the Schwartz Ward Family Foundation.

Kerry Rogers, MD, 2020\* The Ohio State University

Michael Savona, MD, 2019 Vanderbilt University Medical Center

Xiaobing Shi, PhD, 2017 Van Andel Research Institute

Daniel Starczynowski, PhD, 2016 Cincinnati Children's Hospital Medical Center

Saad Usmani, MD, 2018 Atrium Health Foundation

Dr. Saad Usmani is funded in part by donations from Atrium Health Foundation.

Geoffrey Uy, MD, 2018 Washington University in St. Louis Christopher Vakoc, MD, PhD, 2016 Cold Spring Harbor Laboratory

G. Greg Wang, PhD, 2019 The University of North Carolina at Chapel Hill

Jian Xu, PhD, 2020\* Children's Medical Center Research Institute at UT Southwestern

Jianhua Yu, PhD, 2019 The Ohio State University/Beckman Research Institute of the City of Hope

Dr. Jianhua Yu is fully funded by a donation from the Schwartz Ward Family Foundation.

Amer Zeidan, MBBS, 2019 Yale University

Dr. Amer Zeidan is funded in part by Yale University and a donation from S Lori Brown.

## Career Development Program (Special Fellows and Fellows)

Robert Albero Gallego, PhD, 2020\* The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Silvia Alvarez, PhD, 2020\* The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Brandon Aubrey, PhD, 2019 Dana-Farber Cancer Institute

Will Bailis, PhD, 2019\*\* Yale University

Yael Ben-Nun, PhD, 2019 Dana-Farber Cancer Institute

Anat Biran, PhD, 2020\* Dana-Farber Cancer Institute

Juliette Bouyssou, PhD, 2020\* Dana-Farber Cancer Institute

George Burslem, PhD, 2018 Yale University

Chun-Chin Chen, PhD, 2020\* Joan & Sanford I. Weill Medical College of Cornell University

Pan-Yu Chen, PhD, 2019 The Regents of the University of California, San Francisco

Ryan Corces, PhD, 2018\*\* Board of Trustees of the Leland Stanford Junior University Sondra Downey-Kopyscinski, PhD, 2020\* Dana-Farber Cancer Institute

Daphné Dupéré-Richer, PhD, 2019 University of Florida

Javier Garcia Bermudez, PhD, 2020\* Rockefeller University

Mitchell Geer, PhD, 2020\* New York University School of Medicine

Jennifer Grants, PhD, 2018 British Columbia Cancer Agency Branch

Zhaohui Gu, PhD, 2019 St. Jude Children's Research Hospital

Annamaria Gulla, MD, 2020\* Dana-Farber Cancer Institute

Bingqian Guo, PhD, 2018\*\* Harvard Medical School

Lulu Hu, PhD, 2018 The University of Chicago

Daichi Inoue, MD, PhD, 2018 Sloan Kettering Institute for Cancer Research/Foundation for Biomedical Research and Innovation at Kobe

Sizun Jiang, PhD, 2019 Board of Trustees of the Leland Stanford Junior University

Gloria Jih, PhD, 2019 Regents of the University of Michigan/The Trustees of the University of Pennsylvania, Medical Center

Emily Johnston, MD, 2019 The University of Alabama at Birmingham

Courtney Jones, PhD, 2020\* University of Colorado Denver, Anschutz Medical Campus

Niraj Joshi, PhD, 2019 Dana-Farber Cancer Institute

Vishal Khairnar, PhD, 2020\* Beckman Research Institute of the City of Hope

Richard Jason Lamontagne, PhD, 2018 The Wistar Institute

Jianping Li, MD, 2020\*

University of Florida Shan Lin, PhD, 2020\* Dana-Farber Cancer Institute Sydney Lu, MD, PhD, 2020\* Sloan Kettering Institute for Cancer Research

Priya Mathur, PhD, 2018 The University of Chicago

Demis Menolfi, PhD, 2019 The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Linde Miles, PhD, 2019 Sloan Kettering Institute for Cancer Research

Coraline Mlynarczyk, PhD, 2019 Joan & Sanford I. Weill Medical College of Cornell University

Lucia Morgado-Palacin, PhD, 2018 The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Tomoya Muto, MD, PhD, 2019 Cincinnati Children's Hospital Medical Center

Tamara Ouspenskaia, PhD, 2018 Broad Institute, Inc.

Erin Peckham-Gregory, PhD, 2020\* Baylor College of Medicine

Bibiana Rius, PhD, 2019 The Scripps Research Institute

Jacqueline Rivas, PhD, 2020\* University of Kentucky

Alejo Rodriguez Fraticelli, PhD, 2019 Boston Children's Hospital

Julia Rogers, PhD, 2020\* Harvard Medical School

Alejandro Roisman, PhD, 2020\* University of Miami

Noha Sharafeldin, MD, PhD, 2019 The University of Alabama at Birmingham

Xiangguo Shi, PhD, 2020\* Baylor College of Medicine

Ashima Shukla, PhD, 2018 Sanford Burnham Prebys Medical Discovery Institute

Vipul Shukla, PhD, 2018 La Jolla Institute for Allergy and Immunology

Eric Smith, MD, PhD, 2018 Sloan Kettering Institute for Cancer Research

Dr. Eric Smith is funded in part by a donation from the Names Family Foundation. Alexandra Soukup, PhD, 2020\* University of Wisconsin at Madison

Pamela Sung, MD, PhD, 2020\* The Trustees of the University of Pennsylvania, Medical Center

Brian Sworder, MD, PhD, 2019 Board of Trustees of the Leland Stanford Junior University

Samuel Taylor, PhD, 2019 Albert Einstein College of Medicine, Inc.

Elisa ten Hacken, PhD, 2018 Dana-Farber Cancer Institute

Rachel Thijssen, PhD, 2018 Walter & Eliza Hall Institute of Medical Research

Daniel Utzschneider, PhD, 2019 The University of Melbourne

Leandro Venturutti, PhD, 2018 Joan & Sanford I. Weill Medical College of Cornell University

Andrew Volk, PhD, 2020\* Northwestern University

Ly Vu, PhD, 2019 Sloan Kettering Institute for Cancer Research

Adam Wilkinson, PhD, 2019 Board of Trustees of the Leland Stanford Junior University

Matthew Witkowski, PhD, 2018 New York University School of Medicine

Gongwei Wu, PhD, 2020\* Dana-Farber Cancer Institute

Min Xia, PhD, 2019 Joan & Sanford I. Weill Medical College of Cornell University

Haopeng Yang, PhD, 2020\* The University of Texas MD Anderson Cancer Center

William Yewdell, PhD, 2019 Sloan Kettering Institute for Cancer Research

Christina Yim, PhD, 2020\* Sloan Kettering Institute for Cancer Research

Akihide Yoshimi, MD, PhD, 2019 Sloan Kettering Institute for Cancer Research Noemi Zambetti, PhD, 2018 The Regents of the University of California, San Francisco

Jiajun Zhu, PhD, 2018 Sloan Kettering Institute for Cancer Research

# Translational Research Program

The Translational Research Program supports outstanding investigators deemed by our expert advisors most likely to translate basic biomedical discoveries into new, safe and effective treatments, ultimately prolonging and enhancing patients' lives.

lannis Aifantis, PhD, 2020\* New York University School of Medicine

Carl Allen, MD, PhD, 2018 Baylor College of Medicine

Stephen Ansell, MD, PhD, 2018 Mayo Clinic, Rochester

Dr. Stephen Ansell is funded in part by a donation from the Albrecht Family.

Scott Armstrong, MD, PhD, 2020\* Dana-Farber Cancer Institute

Fotis Asimakopoulos, MD, PhD, 2018 The Board of Regents of the University of Wisconsin System

Dr. Fotis Asimakopoulos is funded in part by a donation from the Greater Milwaukee Foundation.

Jon Aster, MD, PhD, 2018 Brigham and Women's Hospital

Brian Baker, PhD, 2020\* University of Notre Dame

Venkata Lokesh Battula, PhD, 2020\* The University of Texas MD Anderson Cancer Center

Smita Bhatia, MD, MPH, 2019 The University of Alabama at Birmingham

Ranjit Bindra, MD, PhD, 2018 Yale University

Bruce Blazar, MD, 2018 University of Minnesota, Twin Cities

Patrick Brown, MD, 2020\* The Johns Hopkins University School of Medicine

Dr. Patrick Brown is jointly funded by Amgen, Inc.

Tomek Cierpicki, PhD, 2019\*\* Regents of the University of Michigan

George Daley, MD, PhD, 2018 Boston Children's Hospital

Alexey Danilov, MD, PhD, 2018 Oregon Health & Science University

Hema Dave, MD, MPH, 2018 Children's Research Institute

Kara Davis, DO, 2018 Board of Trustees of the Leland Stanford Junior University

Benjamin Ebert, MD, PhD, 2018 Dana-Farber Cancer Institute

Dr. Benjamin Ebert is funded in part by donations from The Babich Family Foundation.

Andrew Feldman, MD, 2019 Mayo Clinic, Rochester

Carolyn Felix, MD, 2019 The Children's Hospital of Philadelphia

Adolfo Ferrando, MD, PhD, 2018 The Trustees of Columbia University in the City of New York, Columbia University Medical Center

David Fruman, PhD, 2020\* University of California, Irvine

Terry Fry, MD, 2020\* University of Colorado, Denver

Karin Gaensler, MD, 2018 The Regents of the University

of California, San Francisco Jacqueline Garcia, MD, 2018 Dana-Farber Cancer Institute

Jolanta Grembecka, PhD, 2020\* Regents of the University of Michigan

Christian Grommes, MD, 2019 Sloan Kettering Institute for Cancer Research

Edwin Hawkins, PhD, 2018 Walter & Eliza Hall Institute of Medical Research

Camelia lancu-Rubin, PhD, 2019 Icahn School of Medicine at Mount Sinai

Babal Jha, PhD, 2020\* Cleveland Clinic Foundation

Peng Ji, MD, PhD, 2020\* Northwestern University Ricky Johnstone, PhD, 2020\* The University of Melbourne

Dr. Ricky Johnstone is jointly funded by Snowdome Foundation and Leukaemia Foundation of Australia.

Justin Kline, MD, 2020\* The University of Chicago

Dr. Justin Kline is jointly funded by The University of Chicago.

Angela Koehler, PhD, 2018 Massachusetts Institute of Technology

Robert Kridel, MD, PhD, 2020\* University Health Network

Larry Kwak, MD, PhD, 2018 Beckman Research Institute of the City of Hope

Jatinder Lamba, PhD, 2020\* University of Florida

Dr. Jatinder Lamba is jointly funded by the University of Florida.

Ronald Levy, MD, 2018 Board of Trustees of the Leland Stanford Junior University

Timothy Ley, MD, 2018 Washington University School of Medicine in St. Louis

Yan Liu, PhD, 2020\* Indiana University

Ivan Maillard, MD, PhD, 2020\* The Trustees of the University of Pennsylvania, Medical Center

Ravindra Majeti, MD, PhD, 2019 Board of Trustees of the Leland Stanford Junior University

Sami Malek, MD, 2020\* Regents of the University of Michigan

Maksim Mamonkin, PhD, 2019 Baylor College of Medicine

Ari Melnick, MD, 2019 Joan & Sanford I. Weill Medical College of Cornell University

Soheil Meshinchi, MD, PhD, 2020\* Fred Hutchinson Cancer Research Center

Constantine Mitsiades, MD, PhD, 2018

Dana-Farber Cancer Institute

Gareth Morgan, MD, PhD, FRCP, FRCPath, 2020\* New York University School of Medicine

Newly awarded or renewed grants in Fiscal Year 2020 \*\*Grantee prematurely terminated award in Fiscal Year 2019

Charles Mullighan, MD, 2020\* St. Jude Children's Research Hospital

Dr. Charles Mullighan is jointly funded by Snowdome Foundation and Leukaemia Foundation of Australia.

Ryotaro Nakamura, MD, 2020\* Beckman Research Institute of the City of Hope

Dr. Ryotaro Nakamura is jointly funded by Beckman Research Institute of the City of Hope.

Sattva Neelapu, MD, 2020\* The University of Texas MD Anderson Cancer Center

Stephen Nimer, MD, 2018 University of Miami

Dr. Stephen Nimer is funded in part by donations from The Babich Family Foundation.

Stephen Nutt, PhD, 2020\* Walter & Eliza Hall Institute of Medical Research

Dr. Stephen Nutt is jointly funded by Snowdome Foundation and Leukaemia Foundation of Australia.

Owen O'Connor, MD, PhD, 2020\* The Trustees of Columbia University in the City of New York, Columbia University Medical Center

Dr. Owen O'Connor is jointly funded by The Trustees of Columbia University in the City of New York, Columbia University Medical Center.

Jae Park, MD, 2018 Sloan Kettering Institute for Cancer Research

Dr. Jae Park is funded in part by donations from from Edith Klein, the Hairy Cell Leukemia Foundation, and The SASS Foundation for Medical Research, Inc.

Laura Pasqualucci, MD, 2019 The Trustees of Columbia University in the City of New York - Morningside

Joel Pomerantz, PhD, 2020\* The Johns Hopkins University School of Medicine

Sean Post, PhD, 2019 The University of Texas MD Anderson Cancer Center

Jun Qi, PhD, 2018 Dana-Farber Cancer Institute Katy Rezvani, MD, PhD, 2018 The University of Texas MD Anderson Cancer Center

Rizwan Romee, MD, 2020\* Dana-Farber Cancer Institute

Steven Rosen, MD, 2019 Beckman Research Institute of the City of Hope

Davide Rossi, MD, PhD, 2020\* Foundation for the Institute of Oncology Research

Michael Rout, PhD, 2020\* Rockefeller University

Kathleen Sakamoto, MD, PhD, 2020\* Board of Trustees of the Leland Stanford Junior University

Deepa Sampath, MD, PhD, 2018 The Ohio State University

Guy Sauvageau, MD, PhD, FRCPC, 2018

Institute for Research in Immunology and Cancer

Dr. Guy Sauvageau is funded in part by donations from The Babich Family Foundation.

Barbara Savoldo, MD, PhD, 2018 The University of North Carolina at Chapel Hill

Mala Shanmugam, PhD, 2019 Emory University

Kevin Shannon, MD, 2020\* The Regents of the University of California, San Francisco

Dr. Kevin Shannon is jointly funded by The Regents of the University of California, San Francisco.

Aditi Shastri, MD, 2020\* Montefiore Medical Center

Margaret Shipp, MD, 2020\* Dana-Farber Cancer Institute

Lev Silberstein, MD, PhD, 2018 Fred Hutchinson Cancer Research Center

Tomasz Skorski, MD, PhD, DSc, 2019 Temple University

Karin Tarte, PhD, 2020\* National Institute of Health and Medical Research

Enrico Tiacci, MD, 2018 University of Perugia

Dr. Enrico Tiacci is funded in part by donations from Edith Klein, the Hairy Cell Leukemia Foundation, and The SASS Foundation for Medical Research, Inc. Wei Tong, PhD, 2018 The Children's Hospital of Philadelphia

Ashwin Unnikrishnan, PhD, 2020\* The University of New South Wales

Dr. Ashwin Unnikrishnan is jointly funded by Snowdome Foundation and Leukaemia Foundation of Australia.

Amit Verma, MD, 2019 Albert Einstein College of Medicine, Inc.

Dan Vogl, MD, 2020\* The Trustees of the University of Pennsylvania, Medical Center

Loren Walensky, MD, PhD, 2020\* Dana-Farber Cancer Institute

Dr. Loren Walensky is funded in part by a donation from Lisa and James LaTorre.

Brian Walker, PhD, 2020\* University of Arkansas for Medical Sciences

Kirsten Williams, MD, 2019 Children's Research Institute

Dr. Kirsten Williams is funded in part by a donation from The Holland C. Gregg IV Research Fund.

Kai Wucherpfennig, MD, PhD, 2019 Dana-Farber Cancer Institute

Andrew Zannettino, PhD, 2018 The University of Adelaide

Fenghuang Zhan, MD, PhD, 2018 The University of Iowa

Baochun Zhang, MD, PhD, 2020\* Dana-Farber Cancer Institute

# Translational Research Program: Renewal

Katherine Borden, PhD, 2020\* Institute for Research in Immunology and Cancer

Leandro Cerchietti, MD, 2019 Joan & Sanford I. Weill Medical College of Cornell University

Dr. Leandro Cerchietti is funded in part by a donation from Jane Elissa/ Charlotte Meyers Endowment Fund.

Mignon Loh, MD, 2019 The Regents of the University of California, San Francisco

Feyruz Rassool, PhD, 2019 University of Maryland at Baltimore Aaron Schimmer, MD, PhD, 2020\* Princess Margaret Cancer Center, University Health Network

# **Screen to Lead Program**

The Screen to Lead Program offers drug discovery support specifically directed towards medicinal chemistry and/or drug target screening in hematological malignancies.

Jolanta Grembecka, PhD, 2020\* Regents of the University of Michigan

John Sondek, PhD, 2020\* The University of North Carolina at Chapel Hill

# **New Idea Award**

The New Idea Award is a concept award that funds innovative approaches that may fundamentally change the understanding, diagnosis and/or treatment of blood cancers and related premalignant conditions.

Mark Cobbold, MD, PhD, 2019 Massachusetts General Hospital

# **MPN Challenge Grants**

This program is run in partnership with the MPN Research Foundation.

Matyas Ecsedi, MD, PhD, 2020\* Fred Hutchinson Cancer Research Center

Yelena Ginzburg, MD, 2020\* Icahn School of Medicine at Mount Sinai

Vikas Gupta, MD, 2020\* Princess Margaret Cancer Center, University Health Network

Catriona Jamieson, MD, PhD, 2020\* The Regents of the University of California, San Diego

Alison Moliterno, MD, 2020\* The Johns Hopkins University School of Medicine

Jyoti Nangalia, PhD, 2020\* Wellcome Trust Sanger Institute

Vijay Sankaran, MD, PhD, 2020\* Boston Children's Hospital

\*Newly awarded or renewed grants in Fiscal Year 2020 \*\*Grantee prematurely terminated award in Fiscal Year 2019

## **IWMF Grants**

This program is run in partnership with the International Waldenstrom's Macroglobulinemia Foundation.

Yong Li, PhD, 2020\* Cleveland Clinic Foundation

Constantine Mitsiades, MD, PhD, 2020\*

Dana-Farber Cancer Institute

Marcel Spaargaren, PhD, 2020\* Academic Medical Center Amsterdam

# Rising Tide Foundation for Clinical Cancer Research/LLS Patient-Focused Prevention Grants for Blood Cancer

This program is run in partnership to advance breakthroughs in the prevention of blood cancers.

C. Ola Landgren, MD, PhD, 2019 Sloan Kettering Institute for Cancer Research

Dr. C. Ola Landgren is funded in part by a donation from Wrobel Family Foundation.

Liran Shlush, MD, PhD, 2019 Weizmann Institute of Science

Dr. Liran Shlush is funded in part by a donation from Wrobel Family Foundation.

George Vassiliou, MD, PhD 2019 Wellcome Trust Sanger Institute

Dr. George Vassiliou is funded in part by a donation from Wrobel Family Foundation.

# Mantle Cell Lymphoma Research Initiative

The Mantle Cell Lymphoma Research Initiative supports teams of researchers representing different disciplines and engaging in collaborative efforts to discover new approaches to treat patients with blood cancers.

Selina Chen-Kiang, PhD, 2019 Joan & Sanford I. Weill Medical College of Cornell University

Dr. Selina Chen-Kiang is funded in part by donations from Steven M. Durham and The Sarah Cannon Fund at the HCA Foundation.

Larry Kwak, MD, PhD 2019 Beckman Research Institute of the City of Hope

Dr. Larry Kwak is funded in part by donations from Steven M. Durham and The Sarah Cannon Fund at the HCA Foundation.

### **PedAL**

LLS PedAL is a global precision medicine master clinical trial that will test multiple targeted therapies for relapsed acute leukemia simultaneously at up to 200 clinical sites worldwide. We are setting the groundwork for LLS PedAL throughout 2019, with the goal of treating the first patient in the summer of 2020.

Todd Cooper, DO, 2020\* Seattle Children's Hospital

E. Anders Kolb, MD, 2020\* Nemours Alfred I. duPont Hospital for Children

Samuel Volchenboum, MD, PhD, 2020\*

The University of Chicago

### **Special Initiatives**

Peter Adamson, MD, 2019 The Children's Hospital of Philadelphia

Dr. Peter Adamson is funded in part by a donation from Bayer Healthcare Pharmaceuticals.

Carma Bylund, PhD, 2020\* University of Florida

Dr. Carma Bylund is funded in part by a donation from the Carolan Research Institute.

Rena Conti, PhD, 2019 The University of Chicago

Amy Davidoff, PhD, 2020\* Yale University School of Medicine

Stacie Dusetzina, PhD, 2020\* Vanderbilt University Medical Center

Oliver Jonas, PhD, 2020\* Brigham and Women's Hospital

Dr. Oliver Jonas is funded in part by a donation from Dr. Ralph & Marian Falk Medical Research Trust.

E. Anders Kolb, MD, 2019 Nemours Alfred I. duPont Hospital for Children

Dr. E. Anders Kolb is funded in part by a donation from Bayer Healthcare Pharmaceuticals.

Soheil Meshinchi, MD, PhD, 2019 Fred Hutchinson Cancer Research Center

Dr. Soheil Meshinchi is funded in part by a donation from Bayer Healthcare Pharmaceuticals.

Markus Muschen, MD, PhD, 2020\* Beckman Research Institute of the City of Hope

Dr. Markus Muschen is funded in part by a donation from Dr. Ralph & Marian Falk Medical Research Trust.

Susan Parsons, MD, 2020\* Tufts Medical Center

David Teachey, MD, 2019 The Children's Hospital of Philadelphia

Dr. David Teachey is jointly funded by The Children's Hospital of Philadelphia.

# **Partnerships**

# **Therapy Acceleration Program Partnerships**

#### **Biotechnology Partners**

Acetylon Pharmaceuticals, Inc. Boston, MA

Affimed Therapeutics AG Heidelberg, Germany

Constellation Pharmaceuticals, Inc. Cambridge, MA

Decoy Biosciences, Inc. San Diego, CA

Forty Seven, Inc. Menlo Park, CA

ImmunGene, Inc. Camarillo, CA KDAC Therapeutics, Inc. Cambridge, MA

Kiadis Pharma NV Amsterdam, Netherlands

miRagen Therapeutics, Inc.\* Boulder, CO

NexImmune, Inc. Gaithersburg, MD

OncoPep, Inc. North Andover, MA

Ryvu Therapeutics SA Krakow, Poland

Stemline Therapeutics, Inc. New York, NY Sutro Biopharma, Inc. San Francisco, CA

Travera, LLC Cambridge, MA

Verastem Oncology Needham, MA

X4 Pharmaceuticals, Inc.\*\* Cambridge, MA

\*Equity investment of \$1,000,000 in Fiscal Year 2019 \*\*Equity investment of \$3,300,000 in Fiscal Year 2019

#### Academic Partners

Case Western Reserve University Cleveland, OH

Herbert Irving Comprehensive Cancer Center at Columbia University Medical Center New York, NY

The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University Baltimore, MD

The University of Texas MD Anderson Cancer Center Houston, TX

Oregon Health & Science University Portland, OR

# Advisors

# **Medical & Scientific Affairs Committee**

Steven Rosen, MD, FACP Beckman Research Institute of the City of Hope *Chair* 

Stephen Ansell, MD, PhD Mayo Clinic, Rochester

P. Leif Bergsagel, MD Mayo Clinic, Arizona

Ravi Bhatia, MD The University of Alabama at Birmingham

Catherine Bollard, MD, MBChB Children's Research Institute S. Lori Brown, PhD, MPH Former U.S. Food & Drug Administration

Renzo Canetta, MD Former Bristol-Myers Squibb

Giulio Draetta, MD, PhD The University of Texas MD Anderson Cancer Center

Christopher Flowers, MD The University of Texas MD Anderson Cancer Center Janice Gabrilove, MD Icahn School of Medicine at Mount Sinai

Irene Ghobrial, MD Dana-Farber Cancer Institute

Larry Kwak, MD, PhD Beckman Research Institute of the City of Hope

Michelle LeBeau, PhD The University of Chicago

Ross Levine, MD Sloan Kettering Institute for Cancer Research Jonathan D. Licht, MD University of Florida

Ruben Mesa, MD The University of Texas Health Science Center at San Antonio

Susan M. O'Brien, MD The Regents of the University of California, Irvine

David Weinstock, MD Dana-Farber Cancer Institute

### **Therapy Acceleration Program Committee**

#### **Co-Chairs**

Dana Callow, MBA Boston Millennia Partners

C. Casey Cunningham, MD Santé Ventures

#### Members

William S. Dalton, MD, PhD<sup>1</sup> M2Gen

Giulio Draetta, MD, PhD The University of Texas MD Anderson Cancer Center

Christopher Flowers, MD The University of Texas MD Anderson Cancer Center

Laura S. Kaufman, PhD, DABT Private Consultant Ross L. Levine, MD<sup>1</sup> Sloan Kettering Institute for Cancer Research

Ronald Levy, MD The Board of Trustees of the Leland Stanford Junior University

Vern Norviel, JD Wilson Sonsini Goodrich & Rosati

Susan M. O'Brien, MD The Regents of the University of California, Irvine Robert J. Rosen, JD Greyhawke Capital Advisors

Steven T. Rosen, MD, FACP Beckman Research Institute of the City of Hope

David Weinstock, MD<sup>2</sup> Dana-Farber Cancer Institute

<sup>1</sup> ended service in January 2019 <sup>2</sup> started service in January 2019

# 2019 National Recognition & Awards Program

We are pleased to recognize the extraordinary involvement of individuals, companies, corporations and organizations in their support of LLS and its mission. Those honored give of their time, talent and treasury and have made a significant difference in the lives of so many. To find out more about our awards program, please go to http://www.LLS.org/ national-awards-nomination.

Congratulations to all the 2019 awardees!

# National Recognition & Awards Recipients

# President's Award

This award recognizes a volunteer whose personal commitment and dedication inspires and motivates others to support our mission.

Charles Esten & Family Tennessee Chapter

# Robert de Villiers Spiral of Life Award

This award honors the memory of Robert de Villiers whose parents Rudolph and Antoinette de Villiers founded a foundation that is now known as The Leukemia & Lymphoma Society.

The award recognizes an individual who through their leadership and tireless effort to raise funds and influence policy has advanced the mission of LLS.

Tom Philbrick, MD Georgia Chapter

Robert (Bob) Dean Greater Sacramento Area Chapter

Dr. Jerry Adams Australia

# Vision for Life Award

This award recognizes an individual, corporation or organization whose ability to think outside of the box has helped to create a new fundraising campaign/program or has enhanced an existing event that has national potential.

Amanda Tiede National Capital Area Chapter

Colton's Army Washington/Alaska Chapter

# Advocacy Award

This award recognizes the commitment and dedication of individuals who support the Office of Public Policy initiatives.

William Teator Upstate New York/Vermont Chapter

# Leadership Award

This award recognizes an individual who has been active in a chapter for at least three years and has provided expertise and guidance that have helped the chapter achieve new levels of success.

Gregg & Karen Ritchie California Southland Chapter

Scott Jackson Eastern Pennsylvania Chapter

Bill Rawlings Georgia Chapter

K.Sue Duncan Greater Bay Area Chapter

Roland Guillen Greater Sacramento Area Chapter

Carmen Cruz Long Island Chapter

Robert and Jenny Kotler Mississippi/Louisiana Chapter

Tom Davis North Carolina Chapter

Miller Paint Oregon SW Washington Idaho Montana Chapter Ronda Conger Oregon SW Washington Idaho Montana Chapter

Sam Forrest Palm Beach/Treasure Coast Chapter

Bryan Austin Rocky Mountain Chapter

Enerplus Resources (USA) Corporation Rocky Mountain Chapter

Heath Melton Texas Gulf Coast Chapter

Jim Carman Texas Gulf Coast Chapter

Marshall Esler Tri-State Southern Ohio Chapter

Eric Davis Tri-State Southern Ohio Chapter

AJ Bodden Upstate New York/Vermont Chapter

Bill Torney Virginia Chapter

Jason Mascitti Wisconsin Chapter

# Quality of Life Award

This award recognizes a member of the medical community, a social worker, or a caregiver, who has provided outstanding support, counsel or guidance to blood cancer patients or their families.

John M. Timmerman, MD California Southland Chapter

Neal Rosen Greater Bay Area Chapter

Dulcy Wilson Greater Sacramento Area Chapter

Jamie McDonald, LCSW New Mexico Chapter

Kathryn Kolibaba, MD Compass Oncology

Oregon SW Washington Idaho Montana Chapter

Jack Aiello Silicon Valley & Monterey Bay Area Chapter Larry Nielsen Upstate New York/Vermont Chapter

Dr. Scott Kruger Virginia Chapter

Dr. Richard Hansen Wisconsin Chapter

# Special Recognition Award

This award recognizes an individual who is deserving of recognition for their outstanding commitment to an event or program that has resulted in increasing revenue and building public awareness of LLS.

TGI Fridays - The Briad Group California Southland Chapter

Gregg Metcalf Georgia Chapter

Caitlin Grace Greater Bay Area Chapter

Arlette Garcia Greater Sacramento Area Chapter

David Mutnick Illinois Chapter

Brenda McCarthy Long Island Chapter

Marc and Shari Weissbach Long Island Chapter

Jennifer Oz Orange County Inland Empire Chapter

I Choose Joy Oregon SW Washington Idaho Montana Chapter

Katlin Cauffman Oregon SW Washington Idaho Montana Chapter

Paige McCoy Rocky Mountain Chapter

Ron Cohn San Diego Chapter

Dr. Grenita Lathan Texas Gulf Coast Chapter

Elizabeth Jordan Texas Gulf Coast Chapter

Howard Hughes Corporation Texas Gulf Coast Chapter Dave Bookman Tri-State Southern Ohio Chapter

Tom and Sheila Kwest Tri-State Southern Ohio Chapter

Diane Simon Virginia Chapter

Erin McFarland Virginia Chapter

Nancy Boman Washington/Alaska Chapter

Sandy Hickey Washington/Alaska Chapter

### Partners Against Blood Cancer Award

The Partners Against Blood Cancer Award recognizes an individual, corporation or organization that has demonstrated their ongoing support and enduring commitment to LLS.

#### Diamond 30+ years of participation

Columbia Center Washington/Alaska Chapter

### Platinum 20+ years of participation

Astex Pharmaceuticals, Inc. Greater Bay Area Chapter

The Niello Company Greater Sacramento Area Chapter

#### Gold 15+ years of participation

SoCalGas - A Sempra Energy Utility California Southland Chapter

Hy-Vee, Inc. Iowa Chapter

The Party Source Tri-State Southern Ohio Chapter

#### Silver 10+ years of participation

Manatt California Southland Chapter

St. Francis School Georgia Chapter

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# Bronze 5+ years of participation

Gregory James Greater Sacramento Area Chapter KPMG

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# Special Recognition Citations

These citations recognize retail establishments who have partnered with their customers to support LLS.

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Jimboy's Tacos Greater Sacramento Area Chapter

Dan's Supreme Key Foods Long Island Chapter

Jersey Mike's Minnesota, North Dakota, South Dakota Chapter

Team Nike Oregon SW Washington Idaho Montana Chapter

Sam's No. 3 Rocky Mountain Chapter

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# Media Awards Recipients

Recipients have a record of excellence in fundraising and promotional support, as well as educating and informing the public of LLS and its mission.

# **Digital Media**

Clear Channel Outdoor Minnesota Chapter

Brew Creative Media Minnesota Chapter

### **Print Journalism**

Comstock's Magazine Greater Sacramento Area Chapter

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Ernie Zuniga KABB Fox 29 South-Central Texas Chapter

KABB Fox 29 South-Central Texas Chapter

### **Special Recognition**

John Occhipinti Oklahoma Chapter

# Dr. William Dameshek Award

This award honors the memory of Dr. William Dameshek who was a pioneer in developing chemotherapy protocols and who founded the core hematology journal Blood and served as its editor for many, many years.

This award recognizes nationally recognized notables and celebrities who have lent their voice and image to advance the LLS mission.

The Beach Boys Oklahoma Chapter

John Stamos Oklahoma Chapter

Dana Tyson Texas Gulf Coast Chapter

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We gratefully acknowledge the individuals, foundations and corporations that generously supported LLS's mission during this fiscal year.

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- PP Public Policy
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Legacy Circle honors those who designate LLS as a beneficiary of their will, trust, retirement account or insurance policy, or fund a charitable gift annuity. We list our newest members below along with those whose bequests of \$10,000 or more were received this year.

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# **Research Portfolios**

LLS Research Portfolios are groups of research projects organized around a specific blood cancer interest. The list below includes donors that generously invested in a specific LLS research portfolio during this fiscal year.

Mission Portfolio is funded in part by Alvin H. Baum Family Fund, the Andrew J. Gargiso Foundation, Ellen Arrington, Adel and Tom Barry, Breeden-Adams Foundation, Bente and Jim Carter, Jay Torborg and Diana Dickinson, Hedinger Family Foundation. The Joseph and Catherine Johnson Family Foundation, The Kahn Foundation, William and Sheila Kern, Lois and Richard England Family Foundation, The Luppe and Paula Luppen Family Foundation, The Ping Y. Tai Foundation, Inc., David and Patricia Quast, Audrey Sachs, Michael L. Smith Tom & Virginia Jennaro Family Foundation, Inc. and anonymous.

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Policy Portfolio is funded in part by Allegheny Foundation, The John and Frances Beck Family Foundation, UCLA Kaiser Permanente Center of Health Equity, and anonymous.

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AML Project is funded in part by Dwight Anderson, Avantor Sciences Foundation, Monica and Timothy Babich, Anna and Dean Backer, Nancy Boeck, the Boldt Family Philanthropy Fund, Cal Turner Family Foundation, The Charles Engelhard Foundation, The Charles T. Bauer Charitable Foundation, Dan and JoAnne Coolidge, Michael and Liz Copley, Cycle for Carly, Jim and Elaine Day, Doug Schlegel Charitable Foundation, Ed & H Pillsbury Foundation, Enterprise Electric LLC, Cynthia and Frank Gasztonyi, John Geoghegan, The Harry T. Mangurian Jr. Foundation, Inc., Ray Haupt, Kathleen and Mark Helge, the Hildegarde D. Becher Foundation, Inc., HM Insurance Group, John and Kristin Hyland, Immucor, Indorama Ventures, Jochum-Moll Foundation, John and Mary Franklin Foundation, Inc., Mary Beth and Christopher Kearns, John Kellenyi (deceased), The Kroll Family Foundation, Joyce and Larry Lacerte, Dr. Hillard M. Lazarus, Jeannie and Steve Lieblich, Susan and Peter Lindahl, Judy and Charlie Lynch, The Lyon Family Foundation, William McNitt, Daniel Mendez, The Michael Treinen Foundation. The Nashville Wine Auction, The Norcross Foundation Inc. In Memory of Herrick F. Norcross, Jr. (Rick), Donald Porteous, Rahr Corporation, Jason and Heather Redpath, Andrea Reid, Barbara and Brent Reid, Gene Rochlin, the Roderick Seward, Flossie Radcliffe and Helen M. Galloway Foundation, ROMA Charitable Foundation, Pat and Jeff Sachs, Barb and Tom Stavton, Margaret and Donald Steiner, Mona Carlton Stogner and Grey Stogner, Team b.strong, Karin Tollefson, Natan and Beth Vaisman, and anonymous (2 donors).

#### Myeloma and Waldenstrom Macroglobulinemia Research

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United States: https://www.lls.org/ chapter-selection-page

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The mission of The Leukemia & Lymphoma Society (LLS) is to cure leukemia, lymphoma, Hodgkin's disease and myeloma, and improve the quality of life of patients and their families. Find out more at **www.LLS.org**.