



December 4, 2019

The Honorable Rosa DeLauro Chairwoman House Appropriations Subcommittee on Labor, Health and Human Services, Education, and Related Agencies Washington, DC 20515

The Honorable Tom Cole Ranking Member House Appropriations Subcommittee on Labor, Health and Human Services, Education, and Related Agencies Washington, DC 20515 The Honorable Roy Blunt Chairman Senate Appropriations Subcommittee on Labor, Health and Human Services, Education, and Related Agencies Washington, DC 20510

The Honorable Patty Murray Ranking Member Senate Appropriations Subcommittee on Labor, Health and Human Services, Education, and Related Agencies Washington, DC 20510

Dear House and Senate Appropriations Leaders:

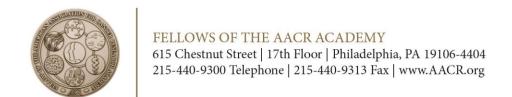
As the President of the American Association for Cancer Research (AACR), the world's first and largest scientific organization dedicated to the conquest of cancer, I join distinguished Fellows of the AACR Academy, which includes AACR Past Presidents and many prominent others, to thank you for your exceptional support of medical research and for your steadfast commitment to making the National Institutes of Health (NIH) a national priority.

During the past four-year period, your unstinting dedication to the NIH has resulted in its budget being increased by 30 percent, and we deeply appreciate your current efforts to provide another robust funding increase for the NIH in FY 2020. Your extraordinary leadership is providing the resources that are needed for our nation's researchers and physician-scientists to significantly accelerate the pace of progress against cancer, as well as the hundreds of other diseases that afflict millions of Americans.

As you and your colleagues on Capitol Hill meet over the next few weeks to finalize the FY 2020 appropriations process before the continuing resolution expires on December 20, we want to express our strong support for the \$3 billion funding increase for NIH (to \$42.1 billion) that was provided in the Senate Chairman's mark.

Additionally, we encourage you to accept the House's recommendation for a \$300 million increase (to \$6.444 billion) for the National Cancer Institute (NCI) in FY 2020 plus a proportional share of the additional \$1 billion that the Senate is proposing for overall NIH funding in its bill.

The AACR, with its more than 44,000 members from 120 countries, has broad expertise in all areas of the field and is dedicated to advancing cancer research and its mission to prevent and cure all of the more than 200 different cancers. During its long existence, the AACR has been at the forefront of every major breakthrough against cancer. We marshal the full spectrum of scientific and clinical knowledge in cancer research to identify the top priorities; convene conferences and educational workshops all over the world; publish eight high-impact, peer-reviewed scientific journals; produce a publication for cancer survivors, patients, and their caregivers; work to raise funds from the philanthropic community for meritorious





cancer research conducted by scientists at all career levels; and advocate for robust, sustained, and predictable annual funding increases for the NIH and NCI.

There has never been a more propitious time in the history of cancer research, which underscores why it is extremely important that the NIH and NCI budgets increase annually at robust rates. In the United States, overall cancer incidence and death rates are declining, while the number of cancer survivors has reached a record high of approximately 17 million, which are in part due to new drug approvals that are rapidly bringing lifesaving cures to patients. Today's precision medicine is resulting in more successful treatments for cancer patients, often without the punishing side effects that past generations of patients had to endure. This unparalleled progress has been driven largely by federally funded research.

Despite these enormous accomplishments, a concerning trend is taking place. Most notably, there is a falling payline at the NCI, and the success rate for the funding of investigator-initiated research project grants (RPGs) at the NCI has also been declining. This is primarily attributable to the remarkable advances in and enthusiasm for cancer research that have stimulated an unprecedented 50 percent increase in the number of investigator-initiated RPG applications to the NCI since FY 2013.

Additionally, and most importantly, with 606,880 estimated cancer deaths this year alone, our work is far from done. While advances in precision medicine are yielding extraordinary results for some cancer patients, there are still so many cancer patients for whom current therapies are not effective. Furthermore, many patient populations continue to suffer disproportionately from cancer and its associated effects, particularly certain racial and ethnic minority groups, individuals with low socioeconomic status, residents in certain geographic locations, and the elderly. We can and must do more to overcome these unacceptable cancer disparities.

Therefore, we cannot emphasize enough the importance of significant annual budget increases for medical research, and we call on you to remove the threat of a long-term continuing resolution that is so concerning to researchers, patient advocates, and the public by finalizing your work on the FY 2020 appropriations process before December 20.

As you continue your work in earnest, we respectfully urge you to increase our nation's investment in the NIH by providing \$42.1 billion to this lifesaving agency, as well as by allocating \$6.444 billion for the NCI that the House is proposing plus a proportional share of the additional \$1 billion for NIH that the Senate has included in its FY 2020 bill.

Cancer researchers and physician-scientists, such as the 88 who have signed on to this letter, 12 of whom are Nobel Laureates, are poised to drive forward and deliver further transformative scientific advances that will save more lives from cancer, and we sincerely appreciate your significant ongoing efforts to provide the support that is needed for us to reach this goal.

Thank you in advance for your consideration of our request.

Respectfully,

Elaine R. Mardis, PhD AACR President, 2019-2020 & Fellow of the AACR Academy, Class of 2019



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



FINDING CURES TOGETHER®

Fellows of the AACR Academy

James P. Allison, PhD Fellow of the AACR Academy, Class of 2014 Nobel Laureate in Physiology or Medicine, 2018 The University of Texas MD Anderson Cancer Center Houston, TX

Kenneth C. Anderson, MD Fellow of the AACR Academy, Class of 2015 Dana-Farber Cancer Institute Boston, MA

Karen H. Antman, MD AACR President, 2003-2004 Fellow of the AACR Academy, Class of 2013

Frederick R. Appelbaum, MD Fellow of the AACR Academy, Class of 2019 Fred Hutchinson Cancer Research Center Seattle, WA

Carlos L. Arteaga, MD AACR President, 2014-2015 Fellow of the AACR Academy, Class of 2015 The University of Texas Southwestern Medical Center Dallas, TX

Alan Ashworth, PhD, FRS
Fellow of the AACR Academy, Class of 2018
UCSF Helen Diller Family Comprehensive
Cancer Center
San Francisco, CA

David Baltimore, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 1975 California Institute of Technology Pasadena, CA

Stephen B. Baylin, MD Fellow of the AACR Academy, Class of 2014 Johns Hopkins Sidney Kimmel Comprehensive Cancer Center Baltimore, MD Joseph R. Bertino, MD AACR President, 1995-1996 Fellow of the AACR Academy, Class of 2013 The Rutgers Cancer Institute of New Jersey New Brunswick, NJ

Bruce A. Beutler, MD Fellow of the AACR Academy, Class of 2018 Nobel Laureate in Physiology or Medicine, 2011 University of Texas Southwestern Medical Center Dallas, TX

Mina J. Bissell, PhD Fellow of the AACR Academy, Class of 2013 Lawrence Berkeley National Laboratory Berkeley, CA

Elizabeth H. Blackburn, PhD AACR President, 2010-2011 Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 2009 UCSF Helen Diller Family Comprehensive Cancer Center San Francisco, CA

Clara D. Bloomfield, MD Fellow of the AACR Academy, Class of 2016 The Ohio State University Comprehensive Cancer Center Columbus, OH

Michael A. Caligiuri, MD AACR President, 2017-2018 Fellow of the AACR Academy, Class of 2018 City of Hope National Medical Center Duarte, CA

Lewis C. Cantley, PhD Fellow of the AACR Academy, Class of 2014 Weill Cornell Medical College, New York-Presbyterian Hospital New York, NY



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



FINDING CURES TOGETHER®

Mario R. Capecchi, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 2007 University of Utah School of Medicine Salt Lake City, UT

Webster K. Cavenee, PhD AACR President, 1998-1999 Fellow of the AACR Academy, Class of 2013 Ludwig Institute for Cancer Research San Diego, CA

Martin Chalfie, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Chemistry, 2008 Columbia University New York, NY

Bayard D. Clarkson, MD AACR President, 1980-1981 Fellow of the AACR Academy, Class of 2013 Memorial Sloan Kettering Cancer Center New York, NY

Lisa M. Coussens, PhD Fellow of the AACR Academy, Class of 2019 Oregon Health and Science University Knight Cancer Institute Portland, OR

Carlo M. Croce, MD Fellow of the AACR Academy, Class of 2013 The Ohio State University Comprehensive Cancer Center Columbus, OH

Tom Curran, PhD AACR President, 2000-2001 Fellow of the AACR Academy, Class of 2013 Children's Mercy Hospital Kansas City, MO George Q. Daley, MD, PhD Fellow of the AACR Academy, Class of 2019 Harvard Medical School Boston, MA

Riccardo Dalla-Favera, MD Fellow of the AACR Academy, Class of 2017 Columbia University Institute for Cancer Genetics New York, NY

Nancy E. Davidson, MD AACR President, 2016-2017 Fellow of the AACR Academy, Class of 2017 Fred Hutchinson Cancer Research Center Seattle, WA

Ronald A. DePinho, MD Fellow of the AACR Academy, Class of 2015 The University of Texas MD Anderson Cancer Center Houston, TX

Vincent T. DeVita, Jr., MD Fellow of the AACR Academy, Class of 2014 Yale Cancer Center New Haven, CT

Vishva M. Dixit, MD Fellow of the AACR Academy, Class of 2017 Genentech, Inc. South San Francisco, CA

Jennifer A. Doudna, PhD Fellow of the AACR Academy, Class of 2017 University of California, Berkeley Berkeley, CA

Brian J. Druker, MD Fellow of the AACR Academy, Class of 2013 Oregon Health and Science University Knight Cancer Institute Portland, OR



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



FINDING CURES TOGETHER®

Raymond N. DuBois, MD, PhD AACR President, 2008-2009 Fellow of the AACR Academy, Class of 2013 Medical University of South Carolina Charleston, SC

Robert N. Eisenman, PhD Fellow of the AACR Academy, Class of 2015 Fred Hutchinson Cancer Research Center Seattle, WA

Stephen J. Elledge, PhD Fellow of the AACR Academy, Class of 2014 Harvard Medical School Boston, MA

Napoleone Ferrara, MD Fellow of the AACR Academy, Class of 2013 UC San Diego Moores Cancer Center La Jolla, CA

Gordon J. Freeman, PhD Fellow of the AACR Academy, Class of 2019 Harvard Medical School Boston, MA

Elaine Fuchs, PhD Fellow of the AACR Academy, Class of 2013 Rockefeller University New York, NY

Robert C. Gallo, MD Fellow of the AACR Academy, Class of 2014 University of Maryland School of Medicine Baltimore, MD

Judy E. Garber, MD, MPH
AACR President, 2011-2012
AACR Academy President, 2019-2021
Fellow of the AACR Academy, Class of 2013
Dana-Farber Cancer Institute
Boston, MA

Laurie H. Glimcher, MD Fellow of the AACR Academy, Class of 2018 Dana-Farber Cancer Institute Boston, MA

Joe W. Gray, PhD Fellow of the AACR Academy, Class of 2016 Oregon Health & Science University Portland, OR

Philip D. Greenberg, MD Fellow of the AACR Academy, Class of 2019 Fred Hutchinson Cancer Research Center Seattle, WA

William N. Hait, MD, PhD AACR President, 2007-2008 Fellow of the AACR Academy, Class of 2013 Johnson & Johnson External Innovation Raritan, NJ

H. Robert Horvitz, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 2002 Massachusetts Institute of Technology Cambridge, MA

Susan Band Horwitz, PhD AACR President, 2002-2003 Fellow of the AACR Academy, Class of 2013 Albert Einstein College of Medicine Bronx, NY

Tony Hunter, PhD Fellow of the AACR Academy, Class of 2013 Salk Institute for Biological Sciences La Jolla, CA

Richard O. Hynes, PhD Fellow of the AACR Academy, Class of 2014 David H. Koch Institute for Integrative Cancer Research at MIT Cambridge, MA



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



Tyler Jacks, PhD AACR President, 2009-2010 Fellow of the AACR Academy, Class of 2013 David H. Koch Institute for Integrative Cancer Research at MIT Cambridge, MA

Elizabeth M. Jaffee, MD AACR President, 2018-2019 Fellow of the AACR Academy, Class of 2018 Johns Hopkins Sidney Kimmel Comprehensive Cancer Center Baltimore, MD

Peter A. Jones, PhD, DSc AACR President, 2005-2006 Fellow of the AACR Academy, Class of 2013 Van Andel Research Institute Grand Rapids, MI

V. Craig Jordan, OBE, PhD, DSc Fellow of the AACR Academy, Class of 2013 The University of Texas MD Anderson Cancer Center Houston, TX

Carl H. June, MD Fellow of the AACR Academy, Class of 2017 University of Pennsylvania Perelman School of Medicine Philadelphia, PA

Michael B. Kastan, MD, PhD Fellow of the AACR Academy, Class of 2017 Duke Cancer Institute Durham, NC

Mary-Claire King, PhD Fellow of the AACR Academy, Class of 2013 University of Washington School of Medicine Seattle, WA Kenneth Kinzler, PhD Fellow of the AACR Academy, Class of 2014 Johns Hopkins Sidney Kimmel Comprehensive Cancer Center Baltimore, MD

Richard D. Kolodner, PhD Fellow of the AACR Academy, Class of 2014 Ludwig Institute for Cancer Research San Diego, CA

Margaret L. Kripke, PhD AACR President, 1993-1994 Fellow of the AACR Academy, Class of 2013 The University of Texas MD Anderson Cancer Center Houston, TX

Arnold J. Levine, PhD Fellow of the AACR Academy, Class of 2013 Institute for Advanced Study Princeton, NJ

Ronald Levy, MD Fellow of the AACR Academy, Class of 2014 Stanford University School of Medicine Stanford, CA

David M. Livingston, MD Fellow of the AACR Academy, Class of 2014 Dana-Farber Cancer Institute Boston, MA

Lawrence A. Loeb, MD, PhD AACR President, 1988-1989 Fellow of the AACR Academy, Class of 2013 University of Washington School of Medicine Seattle, WA

Scott W. Lowe, PhD Fellow of the AACR Academy, Class of 2019 Memorial Sloan Kettering Cancer Center New York, NY



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



FINDING CURES TOGETHER®

Elaine R. Mardis, PhD AACR President, 2019-2020 Fellow of the AACR Academy, Class of 2019 Nationwide Children's Hospital Columbus, OH

Joan Massagué, PhD Fellow of the AACR Academy, Class of 2016 Memorial Sloan Kettering Cancer Center New York, NY

Lynn M. Matrisian, PhD AACR President, 2004-2005 Fellow of the AACR Academy, Class of 2013 Pancreatic Cancer Action Network Manhattan Beach, CA

Frank McCormick, PhD AACR President, 2012-2013 Fellow of the AACR Academy, Class of 2013 UCSF Helen Diller Family Comprehensive Cancer Center San Francisco, CA

Harold L. Moses, MD AACR President, 1991-1992 Fellow of the AACR Academy, Class of 2013 Vanderbilt-Ingram Comprehensive Cancer Center Nashville, TN

Larry Norton, MD Fellow of the AACR Academy, Class of 2019 Memorial Sloan Kettering Cancer Center New York, NY

Olufunmilayo I. Olopade, MD Fellow of the AACR Academy, Class of 2013 The University of Chicago Medical Center Chicago, IL

Carol L. Prives, PhD Fellow of the AACR Academy, Class of 2015 Columbia University New York, NY Sir Richard J. Roberts, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 1993 New England Biolabs, Inc. Ipswich, MA

Charles L. Sawyers, MD AACR President, 2013-2014 Fellow of the AACR Academy, Class of 2014 Memorial Sloan Kettering Cancer Center New York, NY

Andrew V. Schally, PhD Fellow of the AACR Academy, Class of 2013 Nobel Laureate in Physiology or Medicine, 1977 University of Miami/VA Medical Center Miami, FL

Robert D. Schreiber, PhD Fellow of the AACR Academy, Class of 2019 Washington University School of Medicine St. Louis, MO

Phillip A. Sharp, PhD
Fellow of the AACR Academy, Class of 2013
Nobel Laureate in Physiology or Medicine, 1993
David H. Koch Institute for Integrative Cancer
Research at MIT
Cambridge, MA

Arlene H. Sharpe, MD, PhD Fellow of the AACR Academy, Class of 2019 Harvard Medical School Boston, MA

Charles J. Sherr, MD, PhD
Fellow of the AACR Academy, Class of 2013
St. Jude Children's Research Hospital
Memphis, TN

Bruce W. Stillman, PhD Fellow of the AACR Academy, Class of 2019 Cold Spring Harbor Laboratory Cold Spring Harbor, NY



615 Chestnut Street | 17th Floor | Philadelphia, PA 19106-4404 215-440-9300 Telephone | 215-440-9313 Fax | www.AACR.org



Louise C. Strong, MD AACR President, 1996-1997 Fellow of the AACR Academy, Class of 2013 The University of Texas MD Anderson

Cancer Center Houston, TX

Jack W. Szostak, PhD
Fellow of the AACR Academy, Class of 2013
Nobel Laureate in Physiology or Medicine, 2009
Harvard Medical School and Massachusetts
General Hospital
Boston, MA

Bert Vogelstein, MD Fellow of the AACR Academy, Class of 2013 Johns Hopkins Sidney Kimmel Comprehensive Cancer Center Baltimore, MD

Peter K. Vogt, PhD Fellow of the AACR Academy, Class of 2013 The Scripps Research Institute La Jolla, CA

Daniel D. Von Hoff, MD AACR President, 1999-2000 Fellow of the AACR Academy, Class of 2013 The Translational Genomics Research Institute Phoenix, AZ Geoffrey M. Wahl, PhD AACR President, 2006-2007 Fellow of the AACR Academy, Class of 2013 Salk Institute for Biological Sciences La Jolla, CA

Robert A. Weinberg, PhD Fellow of the AACR Academy, Class of 2013 MIT Whitehead Institute for Biomedical Research Cambridge, MA

Irving L. Weissman, MD Fellow of the AACR Academy, Class of 2014 Stanford University School of Medicine Stanford, CA

Zena Werb, PhD Fellow of the AACR Academy, Class of 2019 UCSF Helen Diller Family Comprehensive Cancer Center San Francisco, CA

Eric F. Wieschaus, PhD Fellow of the AACR Academy, Class of 2019 Nobel Laureate in Physiology or Medicine, 1995 Princeton University Princeton, NJ

Owen N. Witte, MD Fellow of the AACR Academy, Class of 2014 University of California, Los Angeles Los Angeles, CA