

# MOONSHOTS TO DREAMTEAMS: CURING CANCER

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**BREAKTHROUGH BIOMEDICAL PHILANTHROPY**  
Salk Institute  
May 12-13, 2016

## MY PRESENTATION TODAY

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- Describe AACR and its work to prevent and cure all cancers
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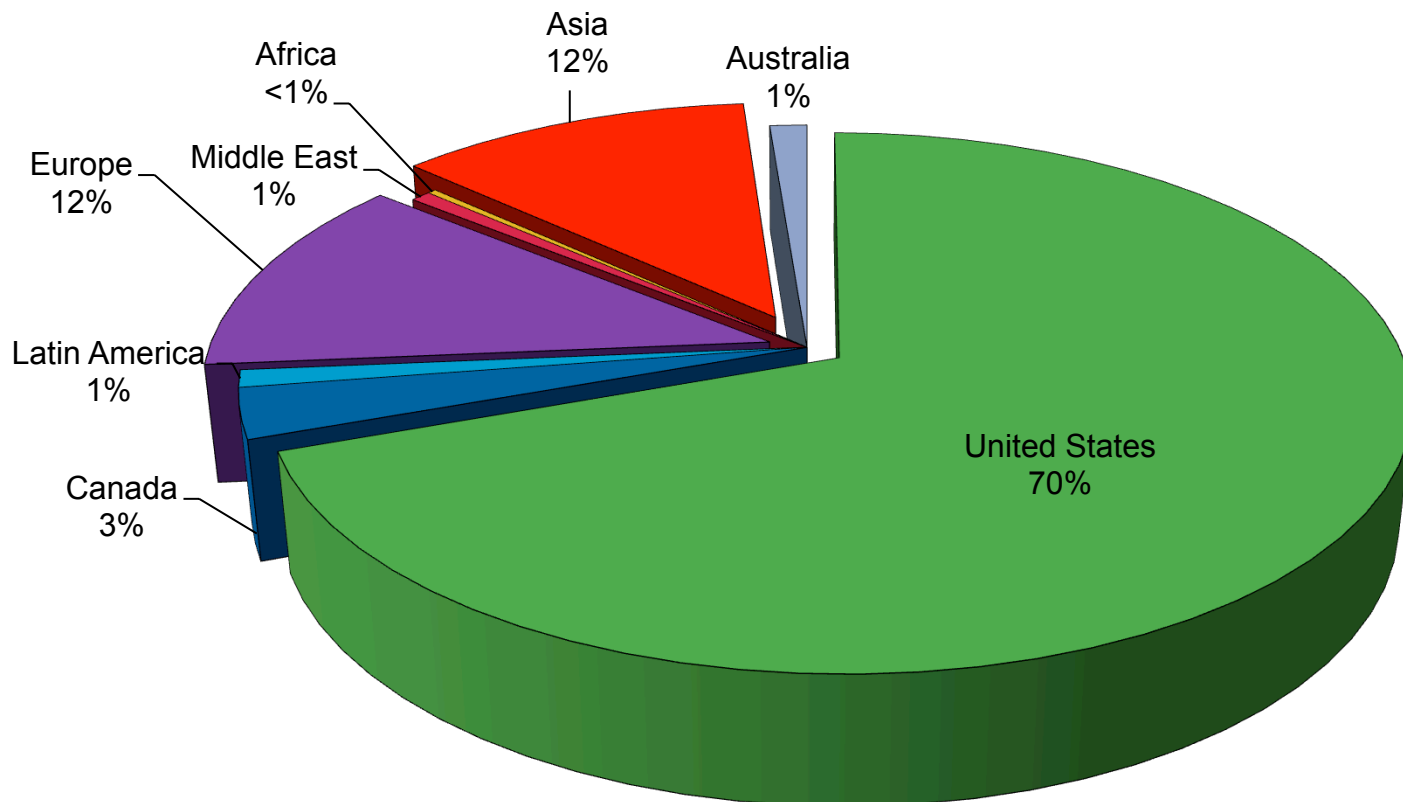
## To prevent and cure cancer through:

- Research
- Education
- Communication
- Collaboration

**THESE FOUR AREAS ARE DIRECTLY RELEVANT TO EVERYTHING WE ARE DOING FROM A SCIENCE POLICY & GOVERNMENT AFFAIRS PERSPECTIVE TO ADVANCE OUR PROGRESS AGAINST ALL CANCERS**

# AACR MEMBERSHIP DISTRIBUTION ACROSS THE GLOBE

The AACR is the home of over 35,000 members residing in 104 countries, representing all sub-disciplines and sectors in the cancer field



# AACR'S FOOTPRINT IN THE CANCER RESEARCH COMMUNITY



- **Eight high-impact scientific journals**  
All AACR Journals rank in the top 30% of all Oncology journals in terms of Impact Factor, including three in the top twelve

# AACR'S FOOTPRINT IN THE CANCER RESEARCH COMMUNITY

## ■ Annual Meeting

19,500 attendees at the 2016 meeting, with top-tier media coverage and social media excitement, and Vice President Biden

# AACR'S FOOTPRINT IN THE CANCER RESEARCH COMMUNITY



- **36 additional** national and international scientific meetings, conferences, and educational workshops, with a projected total attendance of over 30,000 in 2016



# AACR AND STAND UP TO CANCER (SU2C)

- SU2C initiative of Dream Teams was created in 2008 to accelerate innovative cancer research that has the potential to deliver new therapies to patients rapidly (in three years)
- SU2C brings together top researchers worldwide and encourages **collaborations rather than competition** in its funded projects
- By galvanizing the entertainment industry, SU2C has created increased public awareness about cancer, and over time it has garnered broad public support for its programs
- Since SU2C's inception, the AACR has served as its **Scientific Partner** and has administered over \$240 million in grants to 19 Dream Teams, 2 Translational Research Teams and 36 individual young investigators who have the opportunity to collaborate with these Dream Teams



# RESEARCH GRANTS ADMINISTERED BY THE AACR

- As the scientific partner of Stand Up To Cancer, AACR has administered over **\$240 million** to fund translational research projects through the its peer review mechanism
- The AACR has administered over **\$69 million** dollars in grants since 1993. Over **\$8 million** in 2015, to fund the research of 54 scientists
- There are more than **20** AACR Research Grant programs, and the applications for these funds are reviewed by AACR committees that are expert in various topics and organ sites
- The various grant mechanisms administered by the AACR are: Career Development Awards, Research Fellowships, Pathway to Leadership Grants, and other grants for established investigators
- Comprehensive reports are provided to the collaborators and funders, and post-award evaluation is being planned
- The AACR awarded four individuals the “NextGen Grants for Transformative Cancer Research” in 2016. These grants will provide **\$450,000** over 3 years for young researchers performing groundbreaking research

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# AACR's Office of Science Policy & Government Affairs

- Serve as an effective and authoritative voice (and honest broker) for important issues of science and public policy
- Advocate for increased funding for cancer research and related biomedical science
- Formulate policy recommendations for policy makers on Capitol Hill and within federal agencies
  - NIH, NCI, FDA, OHRP, PCORI, CMS
- Inform policymakers, AACR members, and the public through meetings, special briefings, conferences, and advocacy publications
- Train and support a cadre of cancer research advocates
- Participate in coalitions and partner with key organizations to amplify our messages

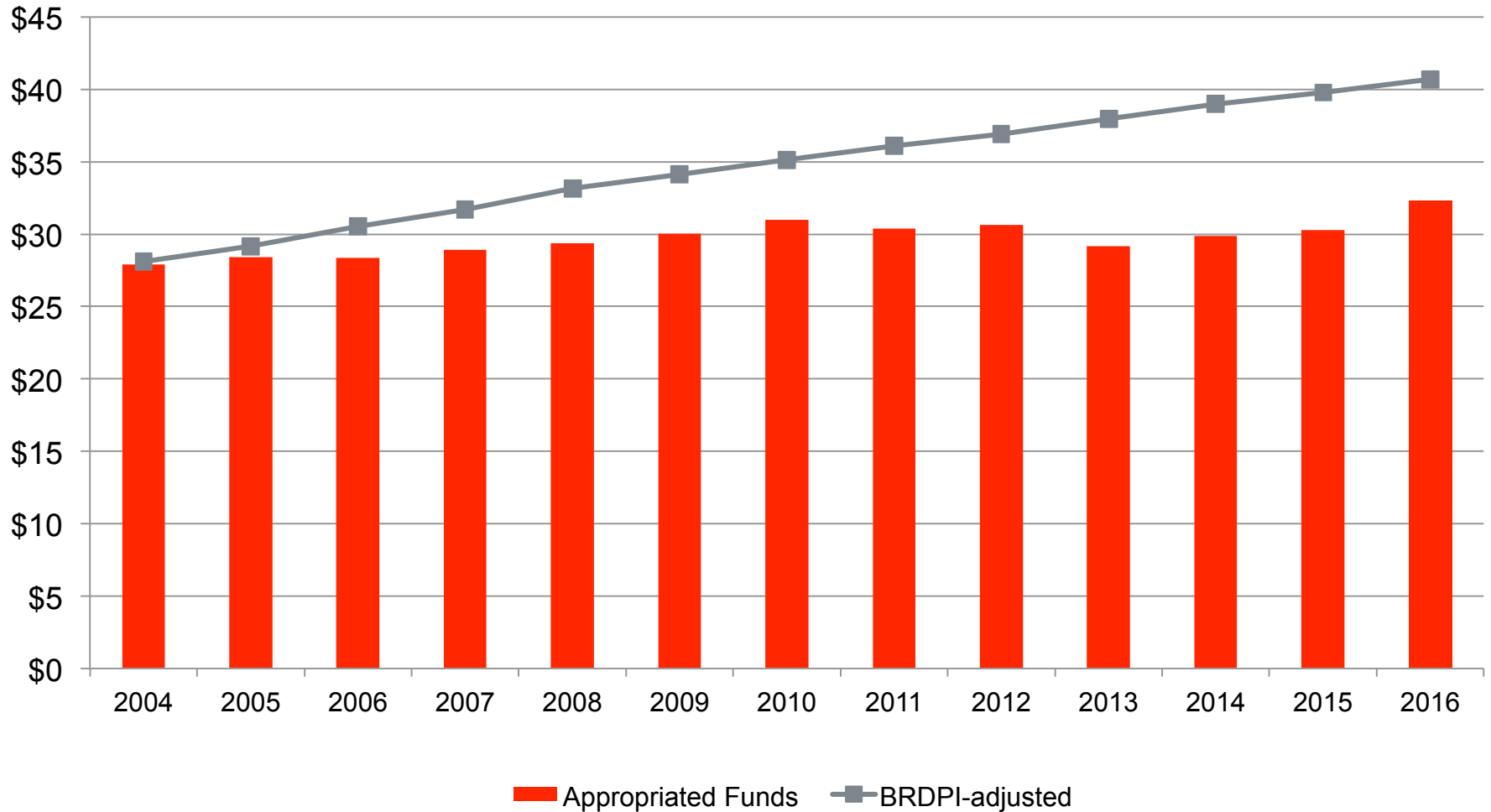


# THE NIH FUNDING CRISIS

- The NIH's ability to support lifesaving research has declined by more than **20%** since FY 2004, when taking inflation into consideration
- The NIH and NCI budgets in FY 2016 (\$32.31 billion and \$5.2 billion, respectively) should be closer to \$40 billion and \$6 billion, respectively had NIH and NCI budgets grown at the rate of inflation since 2004
- During FY 2015, the NCI overall success rate was **14%**, compared to a **27%** success rate in FY 2003 for NCI



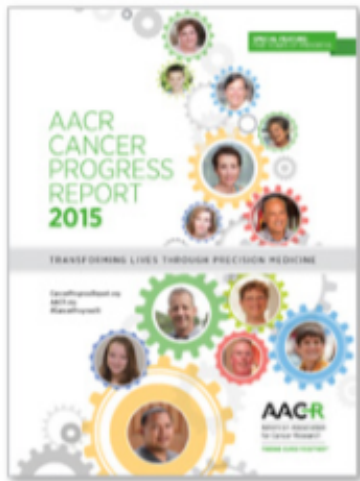
# The NIH Funding and Biomedical Inflation Discrepancy



# AACR ANNUAL CANCER PROGRESS REPORT: AN IMPORTANT TOOL FOR ADVOCACY

## Our 5th annual *AACR Cancer Progress Report 2015*

- In the first four reports, 50 courageous individuals have shared their personal experiences with cancer



This annual report to Congress and the American public chronicles how research continues to transform lives such as those of 13 courageous individuals, including two Members of Congress, who have shared their experiences with cancer in this year's edition.

Highlights the FDA-approved molecularly targeted agents in 2015





# AACR CANCER PROGRESS REPORT 2015 RELEASE

## US Capitol Hill September, 16, 2015

AACR Cancer Progress Report 2015  
Released to Standing Room  
Only Crowd



The AACR held a special briefing on September 16 on Capitol Hill to announce the release of the AACR Cancer Progress Report 2015. This event was the fifth release this annual report that highlights the progress and promise of cancer research and emphasizes the need for robust, sustained, and predictable increases in funding for the NIH, NCI and FDA.



# AACR: FOUNDING SPONSOR OF THE RALLY FOR MEDICAL RESEARCH (2013)



# RALLY FOR MEDICAL RESEARCH HILL DAY SEPTEMBER 17, 2015

## Third Annual Rally for Medical Research Hill Day



On Sept. 17, 2015, the AACR and more than 300 advocacy organizations representing millions of people joined together for the third annual Rally for Medical Research Hill Day.



# Cancer Research Policy Forum with Moffitt Cancer Center

On March 7, the AACR convened its first local advocacy event in partnership with Moffitt to discuss the impact that federal funding for the NIH and NCI has had on progress against cancer. The event featured Douglas R. Lowy, MD, acting director of the NCI, and two members of the U.S. House of Representatives, Gus Bilirakis and Kathy Castor.



# Thought Leadership Meeting with Vice President Biden's Senior Staff

On January, 8, 2016, a group of 15 AACR members led by AACR President José Baselga, MD, PhD, met with Vice President Biden's senior staff to discuss the state of cancer research and to offer insight into priorities that can help achieve the Vice President's vision to "end cancer as we know it today."



# Dr. Baselga & colleagues in Vice President Biden's Office (January 8, 2016)



# AACR represented at World Economic Forum with Vice President Biden

On January 19, 2016, Vice President Biden convened a special session titled, "Cancer Moonshot: A Call to Action" at the World Economic Forum in Davos, Switzerland. Participants included:

- José Baselga, MD, PhD, AACR President and Physician-in-Chief and Chief Medical Officer, Memorial Sloan Kettering Cancer Center;
- Charles L. Sawyers, MD, past president of the AACR and Chair of the Human Oncology and Pathogenesis Program at Memorial Sloan Kettering Cancer Center;
- Elizabeth Blackburn, PhD, past president of the AACR and President of the Salk Institute for Biological Sciences in La Jolla, California;
- Francis S. Collins, MD, PhD, Director, National Institutes of Health (NIH), among others.



# President Obama Announces Formation of the White House Cancer Moonshot Task Force

On February 1, 2016, Vice President Joe Biden chaired and convened the first meeting of the Cancer Moonshot Task Force, a first-of-its-kind federal agency task force to carry out his call for a moonshot to “end cancer as we know it.”






# The Moonshot Initiative is focused on:

- **Accelerating our understanding of cancer (basic research) to spur breakthrough therapies, including special attention to prevention and early detection**
  - Unleashing the promise of immunotherapy (field of immuno-oncology)
  - Increasing the number of molecular targeted therapies that are available
  - Enabling the development of liquid biopsies (sequencing DNA from a person's blood)
  - Focusing on cancer vaccines, lifestyle changes, and identifying inherited cancers
- **Ensuring access to breakthrough therapies and clinical trials all across the U.S.**
  - Increasing enrollment in cancer clinical trials
  - Eliminating disparities that exist to breakthrough therapies
- **Supporting better ways to utilize big data and break down the existing silos that exist**
- **Identifying existing regulatory challenges**
- **Helping the American public understand the opportunities that exists today**
- **Encouraging greater collaboration and cooperation**

# CANCER

research ideas

Visit [CancerResearchIdeas.cancer.gov](https://CancerResearchIdeas.cancer.gov)  
to submit your idea and to see what  
others are sharing.

 Follow the conversation at  
[#CancerMoonshot](https://twitter.com/CancerMoonshot)



Contribute your cancer research  
ideas for the National Cancer  
Moonshot Initiative!

# COLLABORATION IS THE CATALYST FOR MAKING PROGRESS AGAINST THE 200 DISEASES CALLED CANCER



THANK YOU!

Thank you again for your kind invitation to participate in  
this important meeting.