

THE NATIONAL CANCER MOONSHOT INITIATIVE

The National Cancer Moonshot Initiative seeks to accelerate cancer research to make more therapies available to patients while also improving our ability to prevent cancer and detect it at an early stage.

The 21st Century Cures Act, passed in 2016, authorized \$1.8 billion over 7 years to fund the Cancer Moonshot. The same year, NCI convened a Blue Ribbon Panel (BRP) of many of the nation's top cancer experts – cancer researchers, oncologists, patient advocates, and private-sector leaders – to give careful thought to what could be done to expedite progress against cancer. To provide recommendations to the National Cancer Advisory Board, the BRP members collaborated with over 100 colleagues from across the cancer research community to identify 10 of the most compelling research opportunities poised for acceleration to help meet the goals of the Cancer Moonshot.

Implementation of the Moonshot is well under way, and over the past two fiscal years Congress has appropriated a total of \$600 million for the Cancer Moonshot, which has enabled NCI to support and accelerate research in each of the 10 areas recommended by the BRP. In fiscal year 2017 NCI received its appropriation in May and was able to rapidly invest approximately \$277 million in new research opportunities before the end of the fiscal year. NCI issued 17 new Cancer Moonshot funding opportunities in fiscal year 2018 and is in the process of finalizing awards.

The Cancer Moonshot is providing the research community with new resources to pursue critical research questions and to build upon collaborations to ensure their success. These opportunities for acceleration were made possible by decades of investment in basic science and sustained support for the entire cancer research enterprise. Examples of new and ongoing Cancer Moonshot projects include:

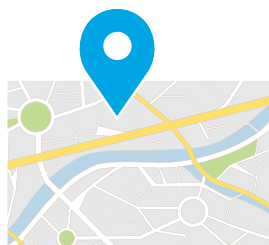
New adult and pediatric translational research immuno-oncology networks



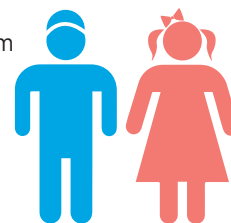
Improving the evidence-based follow-up care for individuals at high risk of cancer due to an inherited genetic susceptibility



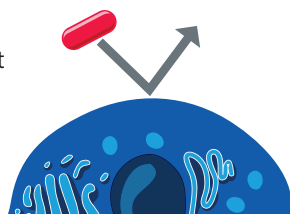
Generation of a detailed 3-dimensional map of cancer to inform future cancer research



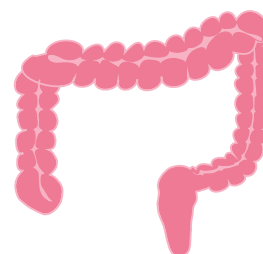
Creation of a basic and translational research consortium to focus on unique drivers of childhood cancers



Innovative strategies to understand and combat tumor resistance to anticancer therapies



Accelerating colorectal cancer screening and follow-up through multilevel interventions



NCI is currently planning new research opportunities for FY 2019 and beyond. For more information and updates, visit: cancer.gov/moonshot