

NCI Director's Report

NCI Council of Research Advocates

Norman E. Sharpless, M.D.
March 10, 2021

@NCIDirector
@TheNCI

Agenda

- 50th Anniversary of the National Cancer Act
- Cancer Moonshot Midpoint
- NCI Appropriations & Paylines
- Childhood Cancer Data Initiative (CCDI)
- NCI Research Highlights
- Equity and Inclusion



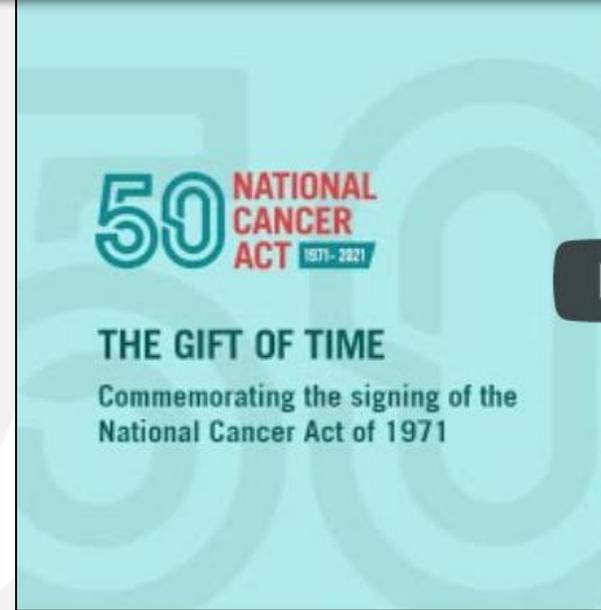
“The President and I stand with you. This is the fight of our lives, and we will never stop working to end this disease. And together, I know that we’re going to go farther than ever before.”

Dr. Jill Biden
Virtual Visit to NCI
February 3, 2021

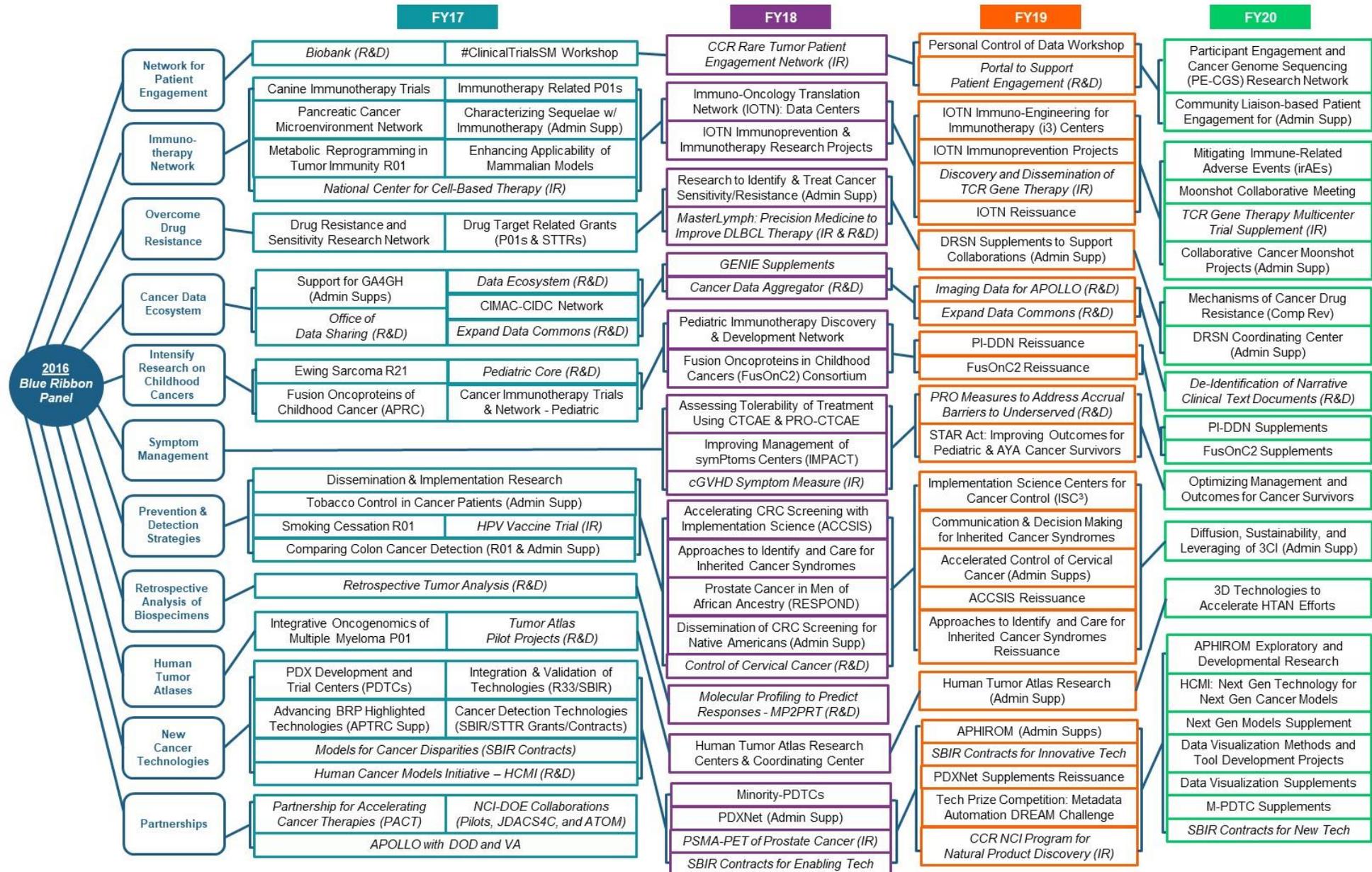
I’d love to be the President to preside over the end of cancer as we know it. These are the folks in the House and Senate who would love to preside over cancer —the end of cancer as we know it.

President Joe Biden
Bipartisan Meeting on
Cancer, Oval Office
March 3, 2021

NCA-50 commemoration launched February 8

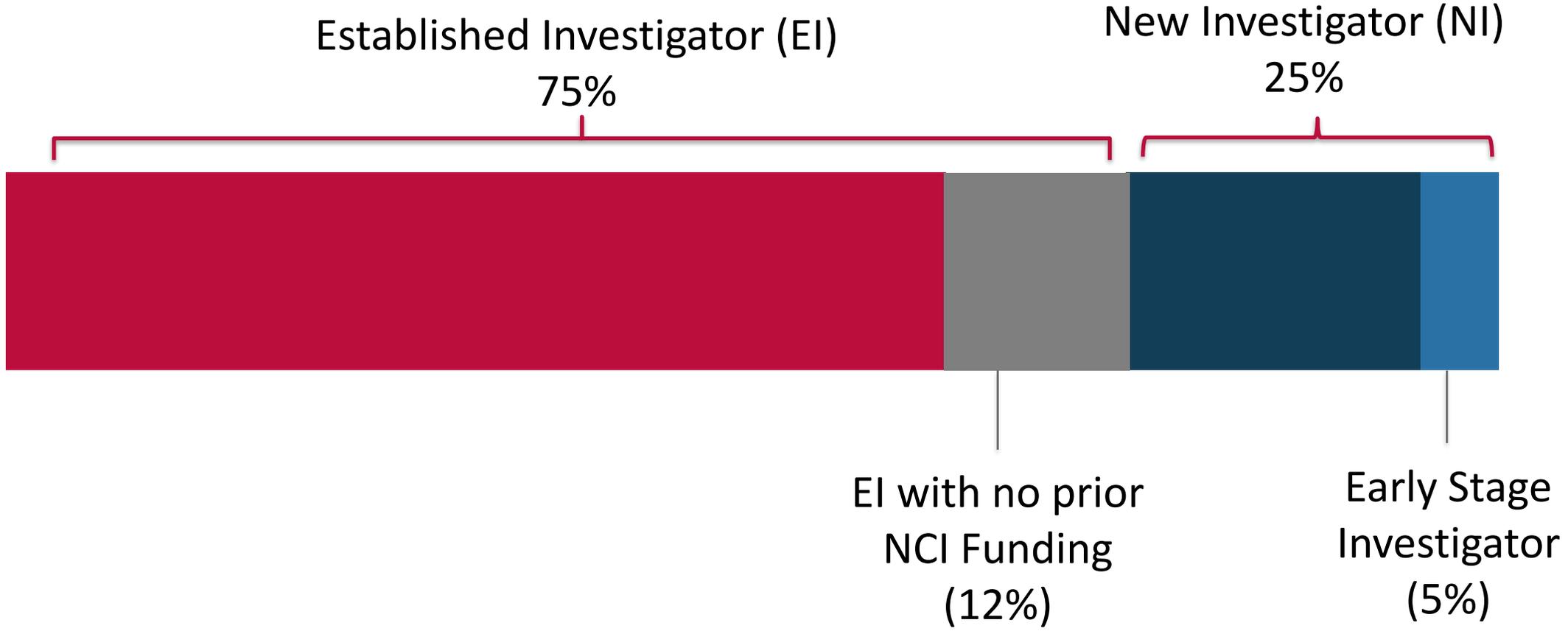


Cancer Moonshot Initiatives (2017-2020)



25% of Moonshot Extramural PIs are New Investigators

343 Extramural Moonshot PIs (FY17-FY20)



Cancer Moonshot Seminar Series

Generation of Human Tumor Atlases

Christina Curtis, Ph.D., Stanford University

March 25, 2021, 12:00–1:00 pm ET

Updates in CAR T Cell Therapies

Carl June, M.D., University of Pennsylvania

April 22, 2021, 12:00–1:00 pm ET

3-D Projection Electrophoresis: Protein Profiling with Single-Cell Resolution

May 27, 2021, 12:00–1:00 pm ET

Amy Herr, Ph.D. University of California, Berkeley



**Cancer Currents: An NCI
Cancer Research Blog**

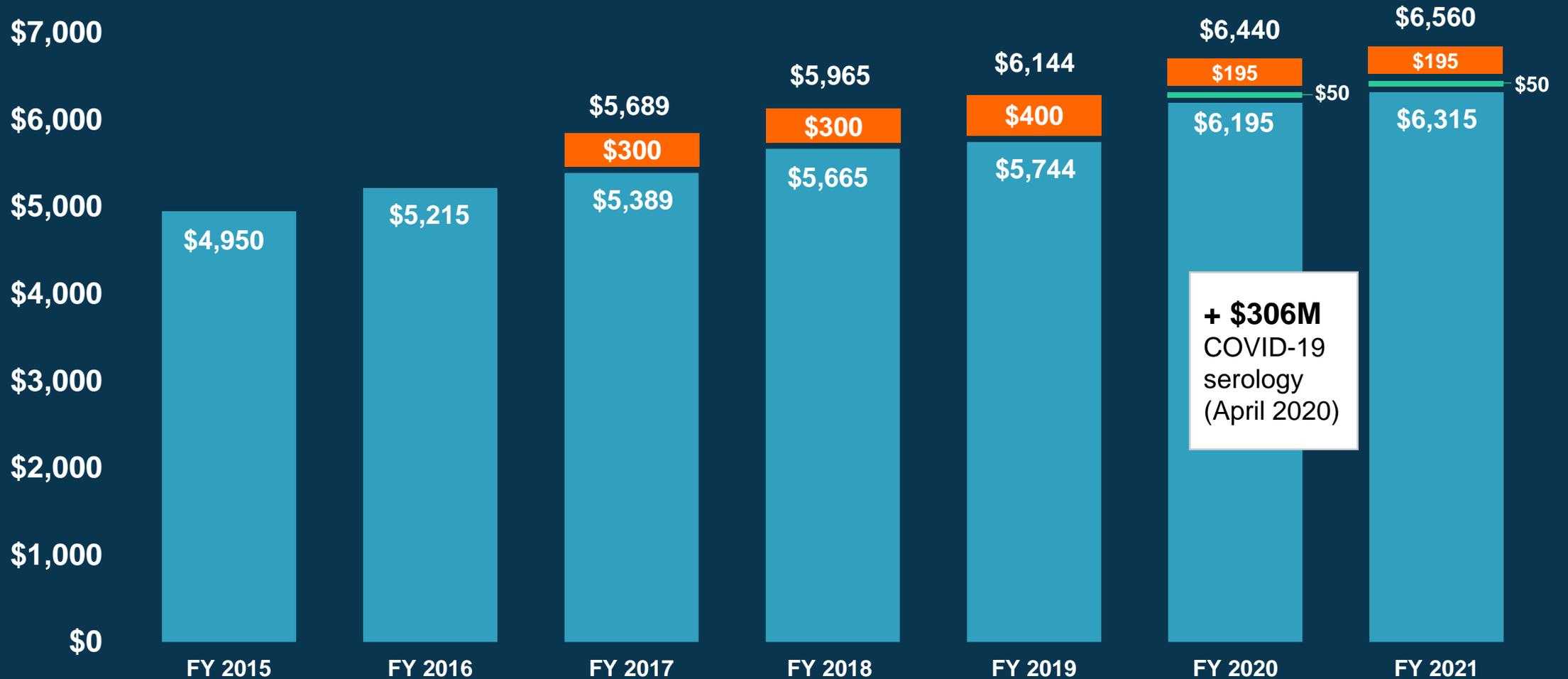
**The Cancer Moonshot: A
Midpoint Progress Update**

January 11, 2021, by Norman E. Sharpless, M.D.,
and Dinah Singer, Ph.D.

*Registration is required for seminars.
Previous events available online.*

NCI Appropriations FY 2015 – 2021 (in millions)

21st Century Cures Act - orange
Childhood Cancer Initiative - green



NCI Paylines for FY 2021

GRANT TYPE	PAYLINE
R01 Grants for Established and New Investigators	11th Percentile
R01 Grants for Early-Stage Investigators (ESIs)	16th Percentile
R21 Exploratory Grants	9th Percentile
Non-competing grants will be funded at 100%.	



NCI Bottom Line: A Blog about Grants and More

[Subscribe](#)

Funding from Congress Allows NCI to Raise Grants Payline

February 4, 2021, by Dr. Norman E. Sharpless

New CCDI Engagement Committee



**Childhood Cancer
Data Initiative**



Greg Aune, M.D.
UT Health San Antonio



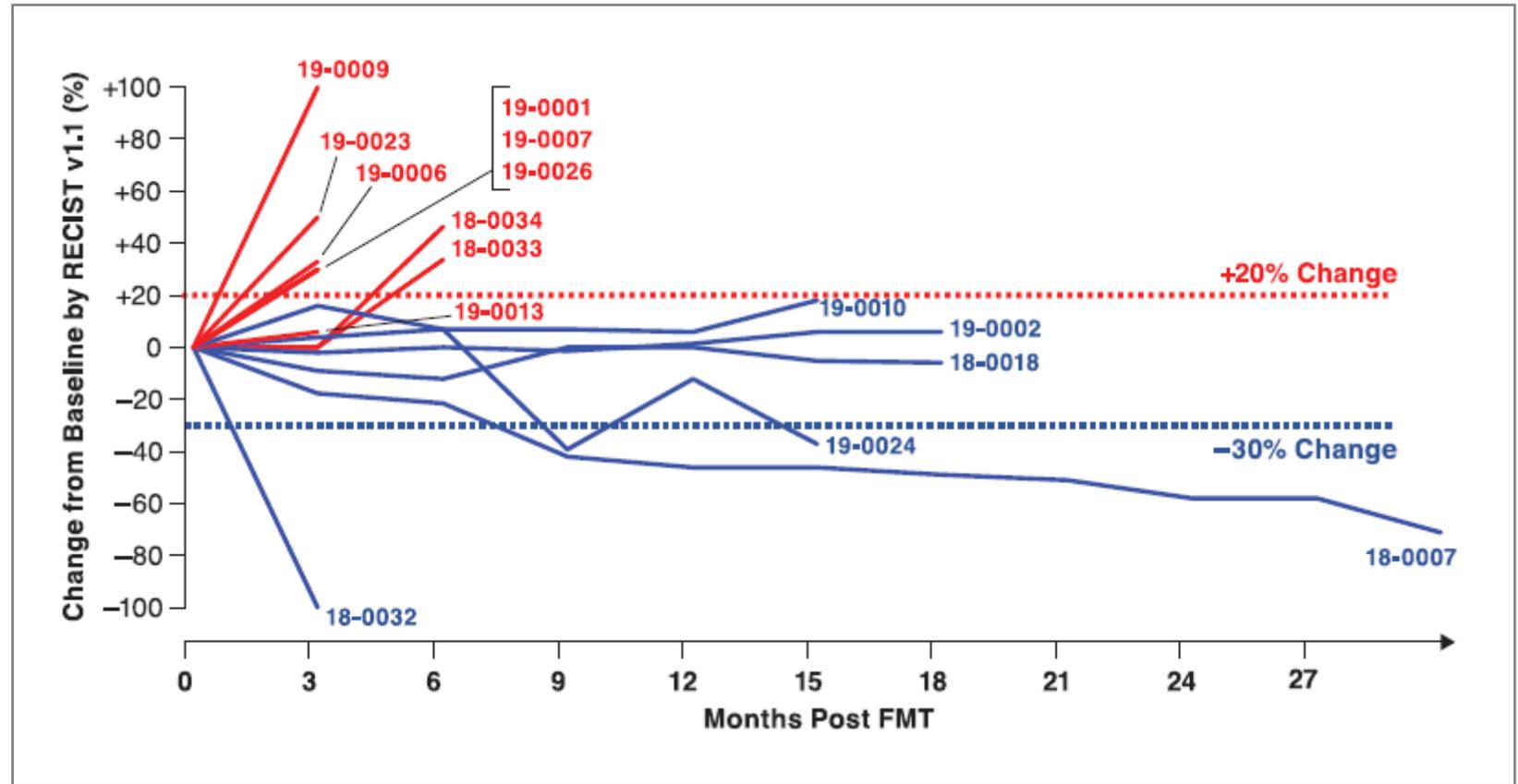
**Brigitte C.
Widemann, M.D.**
National Cancer
Institute



Lee J. Helman, M.D.
University of Southern California

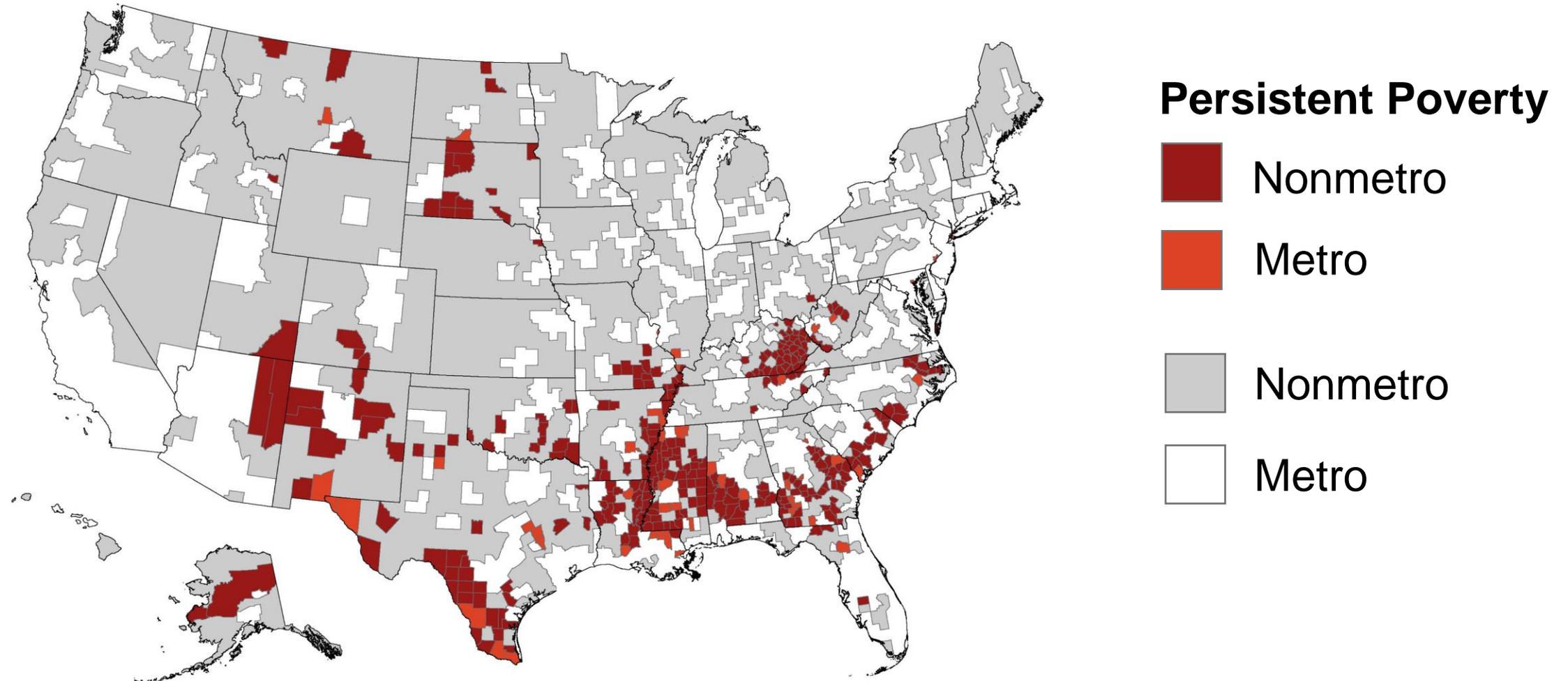
Fecal microbiota transplant in melanoma

Fecal microbiota transplant promotes response in immunotherapy-refractory melanoma patients



Science 05 Feb 2021: Vol. 371, Issue 6529, pp. 602-609
DOI: 10.1126/science.abb5920

Persistent Poverty and Cancer Mortality Rates



USPSTF Updated Recommendations for Lung Cancer Screening – Released March 9, 2021

Adults aged **50 to 80** years who have a **20 pack-year smoking history** and currently smoke or have quit within the past 15 years:

- Screen for lung cancer with **low-dose computed tomography (CT) every year.**
- Stop screening once a person has not smoked for 15 years or has a health problem that limits life expectancy or the ability to have lung surgery.

Previously 55 to 80 and 30 pack years

Recommendation based in part on modeling report from NCI's CISNET.

Telehealth & Cancer Care Delivery Webinar Series



February 4, 2021

Post-Treatment Follow-up Care for Survivors of Lung and Colorectal Cancer through Telehealth Self-Management Skills Building

March 4, 2021

Findings from an NCI Request for Information (RFI): Stakeholder Input on Scientific Gaps and Research Needs Related to Delivery of Cancer-related Care via Telehealth

June 11, 2021

Enhancing Cancer Care of Rural Dwellers Through Telehealth and Engagement

*Past events available for viewing; additional events to follow.
Registration is required. healthcaresdelivery.cancer.gov/*

CAR T-cell manufacturing

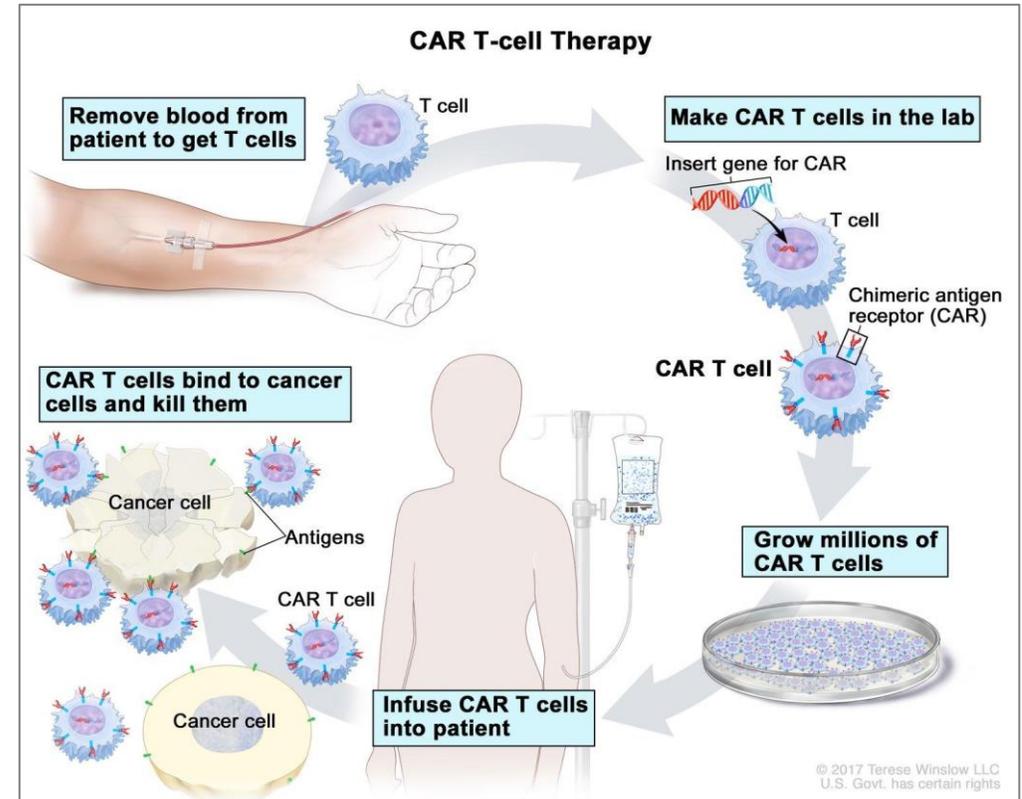
Manufacturing CAR T Cells to Expand Cancer Immunot...



NIH NATIONAL CANCER INSTITUTE

Manufacturing CAR T Cells to Accelerate Cancer Immunotherapy Research

To expand and speed up immunotherapy research, NCI has established a program to manufacture CAR T-cell therapies for use in clinical trials.



<https://www.cancer.gov/about-cancer/treatment/types/immunotherapy/t-cell-transfer-therapy>

NIH's Commitment to Ending Structural Racism

- NIH is committed to instituting new ways to support diversity, equity, and inclusion, and identifying and dismantling any policies and practices that may harm our workforce and our science.
- NIH established the **UNITE** initiative to address structural racism in biomedical research with the goal of ending racial inequity.
- Primary goals of the initiative are:
 - U** Understanding stakeholder experiences through listening and learning
 - N** New research on health disparities, minority health, and health equities
 - I** Improving the NIH culture and structure for equity, inclusion and excellence
 - T** Transparency, communication, and accountability with our internal and external stakeholders
 - E** Extramural research ecosystem: changing policy, culture and structure to promote workforce diversity

nih.gov/ending-structural-racism

FIRST Faculty Institutional Recruitment for Sustainable Transformation

- Foster sustainable institutional culture change
- Promote **inclusive excellence** by hiring a diverse cohort of new faculty
- Support faculty development, mentoring, sponsorship, and promotion

- NIH Common Fund Initiative
commonfund.nih.gov/first
- 12 staggered awards: 4 per year x 3 years
- Highly Resourced Institutions (HRI) and Limited-Resourced Institutions (LRI) may apply independently or in partnership
- Develop and implement faculty cohort models for the simultaneous hiring of a diverse group of research faculty
- Programming to reduce isolation, increase community building, and foster career advancement
- See **NOT-RM-20-022, -023**

NCI Equity and Inclusion Program

<p>EQUITY COUNCIL</p>	<p>Chair Ned Sharpless</p> <p>Vice Chair Paulette Gray</p>	<p>Mark Alexander Andrea Apolo Nelvis Castro Bob Croyle</p>	<p>Montse Garcia-Closas Anne Lubenow Ji Luo</p>	<p>Donna Siegle Dinah Singer Sanya Springfield</p>
<p>WORKING GROUP 1 <i>Enhancing Research to Address Cancer Health Disparities</i></p> <p>CO-CHAIRS</p> <p>Jim Doroshov Worta McCaskill-Stevens Tiffany Wallace</p>	<p>WORKING GROUP 2 <i>Ensuring Diversity of Thought and Background in the Cancer Research Workforce</i></p> <p>CO-CHAIRS</p> <p>LeeAnn Bailey Susan McCarthy Glenn Merlino</p>	<p>WORKING GROUP 3 <i>Promoting an Inclusive and Equitable Community at NCI</i></p> <p>CO-CHAIRS</p> <p>Shannon Bell Paige Green Satish Gopal</p>	<p>WORKING GROUP 4 <i>Systematic Tracking and Evaluation of Equity Activities</i></p> <p>CO-CHAIRS</p> <p>Michelle Bennett Doug Lowy</p>	<p>WORKING GROUP 5 <i>Communications and Outreach for Equity Activities</i></p> <p>CO-CHAIRS</p> <p>Peter Garrett Angela Jones Anita Linde</p>

Discussion