NCI Director’s Update

National Cancer Advisory Board
September 4, 2019

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Acting Director

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Competing R01 applications vs. budgets for NCI & RPGs: Percent change since FY 2013

NCI R01 Applications

NCI Budget up 20%

R01 Applications source: NIH RePORTER. 2019 applications estimated. NCI budget shown here is the base appropriation; does not include Cancer Moonshot.
Success Rates for NIH & NCI Grant Applications
Data include all RPGs, including SBIR/STTR

Sources: NIH Data Book [http://report.nih.gov/nihdatabook/index.aspx](http://report.nih.gov/nihdatabook/index.aspx) and supplemental tables available in RePORT, and NCI DEA.
What factors have contributed to the dramatic increase in applications to NCI?

- Number of unique PI applicants
  - Some migrating from other NIH ICs
  - Multi-PIs

- Applicant Behavior
  - Applications per PI
  - More PIs with >2 applications per year

- Applications to PARs

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Low Paylines
NCI Appropriations FY 2015 – 2020 (in millions)

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

FY 2015
FY 2016
FY 2017
FY 2018
FY 2019

$0
$1,000
$2,000
$3,000
$4,000
$5,000
$6,000

$4,950
$5,215
$5,389
$5,965
$5,665
$6,144

$5,689
$5,965
$6,144

$400
$50
$195
$300

$5,247
$5,002

$6,444
$6,199

President's FY 2020 Budget Proposal
FY 2020 House Mark-up (4/30/2019)
New blog: **NCI Bottom Line: A Blog About Grants & More!**

- **Launch date:** September 10, 2019
- **Primary target audience:** NCI grantees, administrators, research grant applicants
- **Primary Focus:** NCI grants and funding policy updates, fiscal reports and milestones, research activities or priorities that may affect grantees and research applicants
NCI Annual Plan & Budget Proposal ("Bypass")
Annual Plan & Budget Proposal for Fiscal Year 2021
Professional Judgment Budget Proposal
Fiscal Year 2021

Paylines & Success Rates for NCI R01 Applications Remain Low

Goal of 15th Percentile

SUCCESS RATE (%)
Highlighted Areas

The Immune System and Microbiome
Tapping the potential of the innate immune system and investigating how microbiomes shape the immune system and cancer development, progression, and response to treatment

Implementation Science
Finding the best ways to integrate proven, effective cancer interventions into routine health settings so that all patients receive high-quality care

Artificial Intelligence
Accelerating cancer research and improving cancer care by leveraging the power of big data and advancements in computing technologies
Tomi Akinyemiju, Ph.D.  
Associate Professor  
Duke University

Ross Brownson, Ph.D.  
Steven H. and Susan U. Lipstein  
Distinguished Professor  
Washington University in St. Louis

Mark Schiffman, M.D., M.P.H.  
Senior Investigator  
National Cancer Institute
Childhood Cancer Data Initiative

Tony Kerlavage, Ph.D.
Director
Center for Bioinformatics and Information Technology

Jaime Guidry-Auvil, Ph.D.
Director
Office of Data Sharing
Data Registry for Medicare CAR-T patients

“CAR-T cell patient data housed in the Center for International Blood and Marrow Transplant Research (CIBMTR), supported by NCI and NHLBI, includes treated patients of Medicare age whose results can provide evidence for efficacy in that population.”

- Jim Doroshow, M.D., Deputy Director, Clinical and Translational Research
Open Access to Cancer
Moonshot Publications

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SCIENTIFIC PUBLISHING

Open access takes root at National Cancer Institute

Cancer Moonshot program requires grantees to provide immediate free access to papers they publish

By Jocelyn Kaiser

The long-standing debate over open access to research results has been marked by a geographic divide. In Europe, some public funders have launched a high-profile open-access initiative, dubbed Plan S, that would ultimately require grantees to publish only in journals that immediately make papers free to all. But in the United States, federal agencies have stuck to a decade-old policy that allows grantees to publish in journals that keep papers behind a paywall for up to 1 year. Now, the divide is starting to blur, with one prominent U.S. research program starting to require immediate open access to the peer-reviewed publications it funds.

The policy is part of the Cancer Moonshot program at the National Cancer Institute (NCI) in Bethesda, Maryland, the 7-year, $8.8 billion research initiative spearheaded in 2016 by then-Vice President Joe Biden after his son Beau died of brain cancer. Biden felt that broader data sharing would speed cancer research, and after hearing discussing options with such journals. Cell says it expects to negotiate ways to make
Cancer Centers News

IU Simon Cancer Center

A Cancer Center Designated by the National Cancer Institute
America's colleges and universities are aggressively addressing foreign threats

August 22, 2019
By Michael A. McRobbie, President of Indiana University and Morton Schapiro, President of Northwestern University

https://thehill.com/opinion/education/458292-americas-colleges-and-universities-are-aggressively-addressing-foreign
Recent Leadership Appointments

Deputy Director, NCI – Dinah Singer
Director, Committee Management Office – Joy Wiszneauckas
Deputy Executive Officer – Eric Cole
Chief of Staff – Anne Lubenow
Leadership Vacancies

Director, Center for Global Health (CGH)
Bob Croyle, Acting

Associate Director, Cancer Therapy Evaluation Program (CTEP)
Meg Mooney, Acting

Director, Division of Cancer Prevention (DCP)
Debbie Winn, Acting

Director, Division of Cancer Biology
Daniel Gallahan, Acting
Division of Cancer Biology, Director

- Executive Level Recruitment
- The announcement will be open from September 3, 2019 to November 1, 2019.
- [https://hr.nih.gov/jobs/search/job-1560101](https://hr.nih.gov/jobs/search/job-1560101)