

# NCI Budget Information

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*Updated: September 2023*

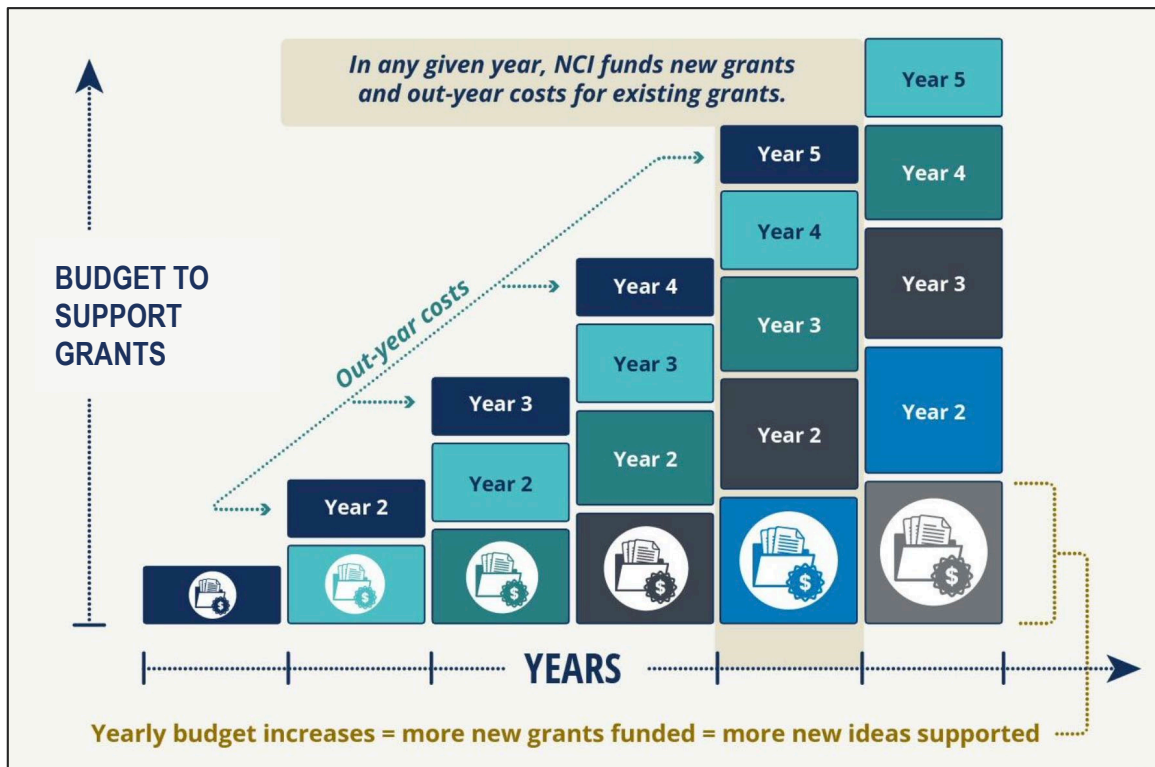
*From NCI Office of Communications & Public Liaison Toolkit*

**Oliver Bogler, PhD**  
**Director, Center for Cancer Training**

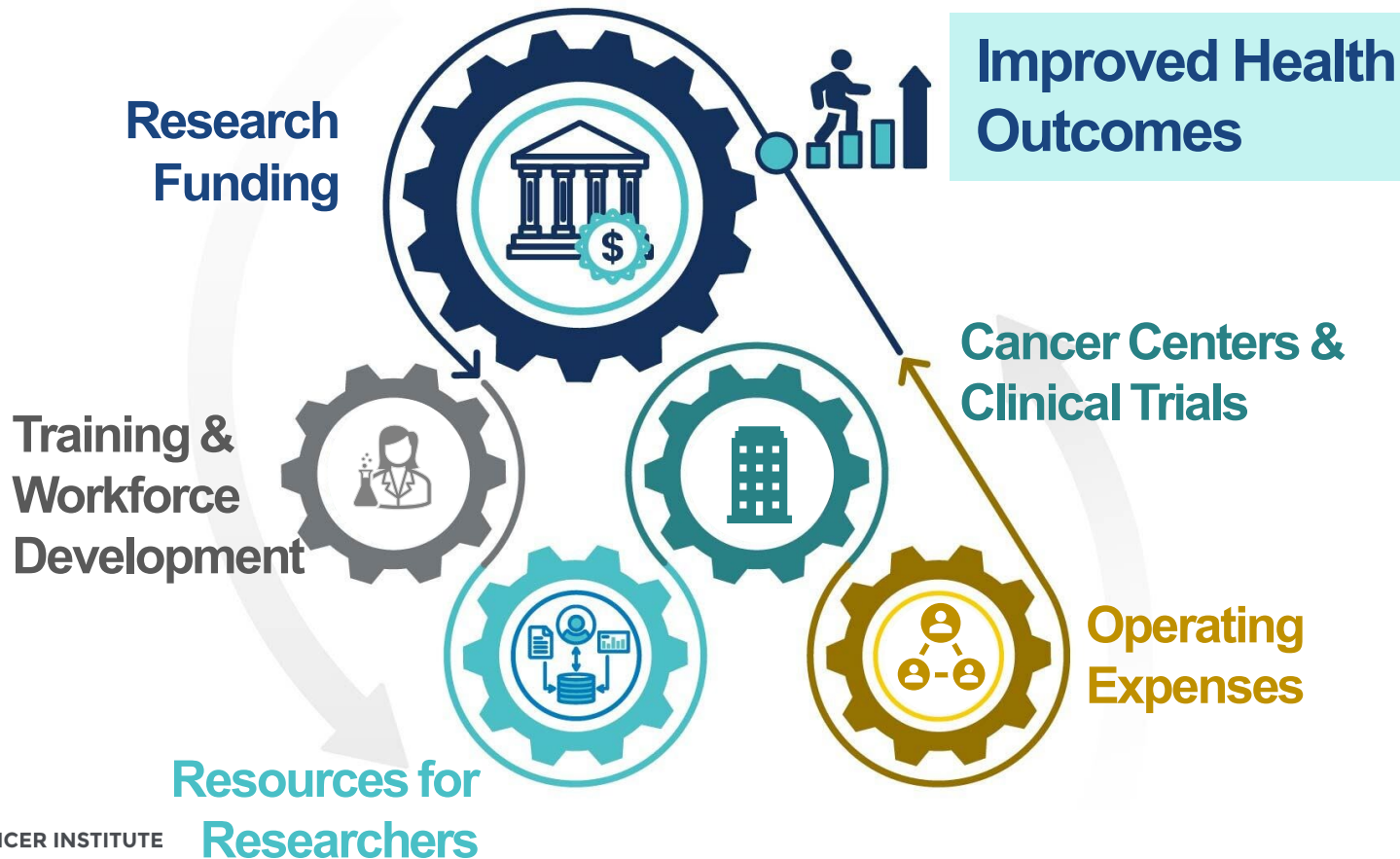
# Key Messages

- NCI faces unique challenges related to the FY24 budget
  - Sunsetting of Cancer Moonshot funding to NCI
  - Possible delays in the FY24 appropriation process
  - Fiscal Responsibility Act – milestones in January and April that could affect funding levels
- NCI's research buying power is \$1.1B less (13% lower) than 20 years ago
- NCI needs sustained funding increases to support new ideas, take advantage of emerging opportunities, and **attract and retain the best cancer research workforce**
- A flat FY24 budget would impact all parts of the NCI portfolio (extramural and intramural)
- A flat or decreasing budget will reverse progress toward “15 by 25”
- These FY24 budget uncertainties are an NIH/government-wide challenge
- The scientific opportunities before us are tremendous. Whatever level of funding NCI receives in FY24, we will work creatively and collaboratively to continue to make progress against cancer for all people.

# Funding more grants each year: *An increasing stair-step effect on NCI's costs*



# Interconnectedness of NCI budget and program components



# NCI Bottom Line Blog

## Resource for the latest on

- NCI's fiscal landscape
- Funding updates
- Payline decisions
- Grants policy news
- Budget processes
- ...and more



[www.cancer.gov/grants-training/nci-bottom-line-blog](http://www.cancer.gov/grants-training/nci-bottom-line-blog)

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**NCI Bottom Line: A Blog about Grants and More**

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This grantee-focused blog covers the latest on NCI's fiscal landscape, funding decisions, grants policy news, processes, and more.

**Resources from the Frederick National Laboratory for Cancer Research**

August 3, 2023, by NCI Director Dr. Monica Bertagnolli

In this edition of the NCI Bottom Line blog, Dr. Bertagnolli highlights resources available to researchers from the Frederick National Laboratory for Cancer Research (FNLCR). From cryo-electron microscopy to the RAS Initiative, FNLCR offers a variety of tools for the scientific community to propel research progress and enable breakthroughs.

[Continue Reading >](#)



Students  
Career Path Postbaccalaureate Predoctoral  
Mentoring Opportunities  
Grants Training Prevention  
Research Internships Fellowships Clinical  
Basic Science Collaboration Postdoctoral Innovation  
Diversity  
Data Science Epidemiology



# Funding for the Next Generation of Cancer Researchers: Updates from the NCI Cancer Training Branch

*Nastaran (Nas) Zahir, PhD*

*Branch Director, Cancer Training Branch, Center for Cancer Training*



CABTRAC  
October 24, 2023

## Outline

1. *Overview of NCI Support for Cancer Training*
2. *CCT Budget and Funding Outlook*
3. *T32 and R25 Programs Status Update*
4. *Highlights of Cancer Training Funding Opportunities*
5. *Resources for Early Career Researchers*

# NCI Funding for Cancer Training

## Cancer Training Branch Center for Cancer Training (CCT)

*Awards intended for all cancer researchers*

- Institutional Training Grants
- Research Education Grants
- Individual Career Development Awards
- Transition Awards
- Fellowships

Branch Director: Nas Zahir, PhD

<https://www.cancer.gov/grants-training/training/funding>

## Diversity Training Branch Center to Reduce Cancer Health Disparities

*Awards intended for underrepresented minorities and individuals with disabilities*

- Research Education Grants
- Individual Career Development Awards
- Transition Awards
- Fellowships
- Research Supplements to Promote Diversity

Branch Chief: Behrouz Davani, PhD

<https://www.cancer.gov/about-nci/organization/crhd/diversity-training/cure>

## Center for Global Health

*Awards intended for mentored training in global cancer research*

- Institutional Capacity Building and Mentored Training
- International Research Scientist Development Award

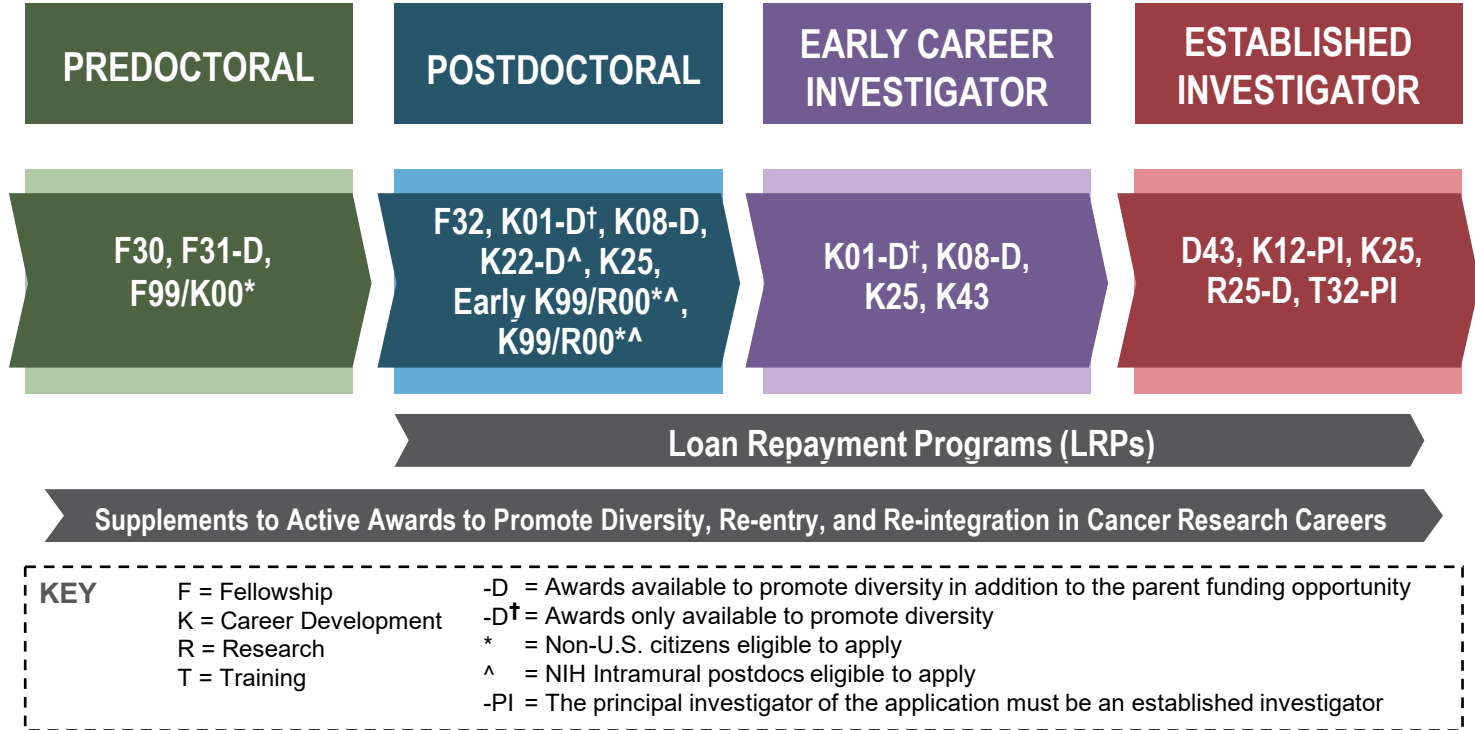
Program Director: Sudha Sivaram, DrPH, MPH

<https://www.cancer.gov/about-nci/organization/cgh/research-training>



# NCI Funding Opportunities for Cancer Training

The career stage indicated is when an applicant is eligible to apply for each award

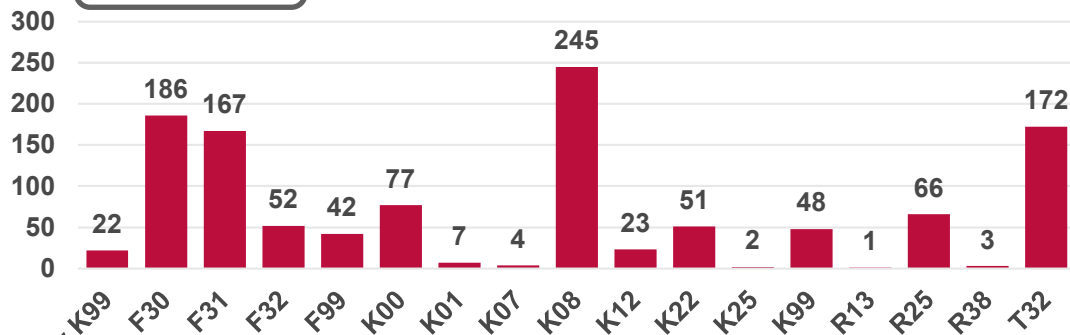


# Budget and Funding Outlook

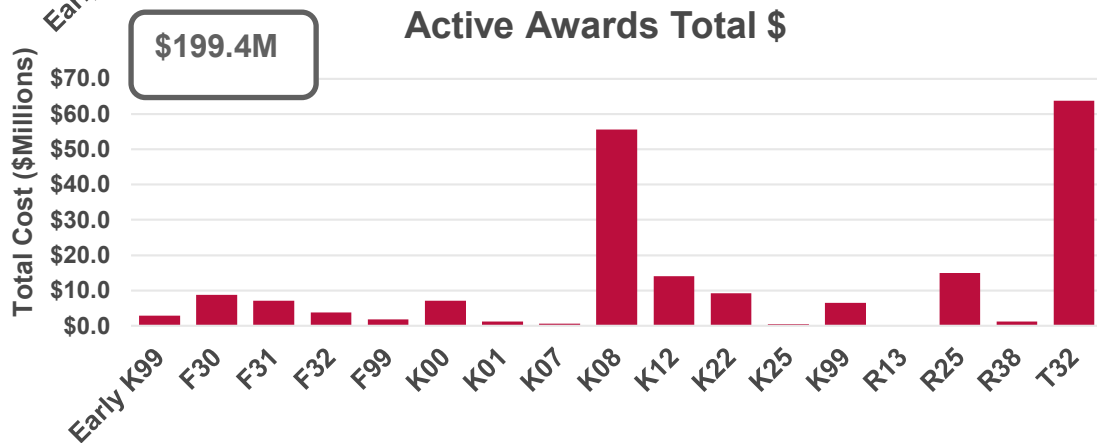
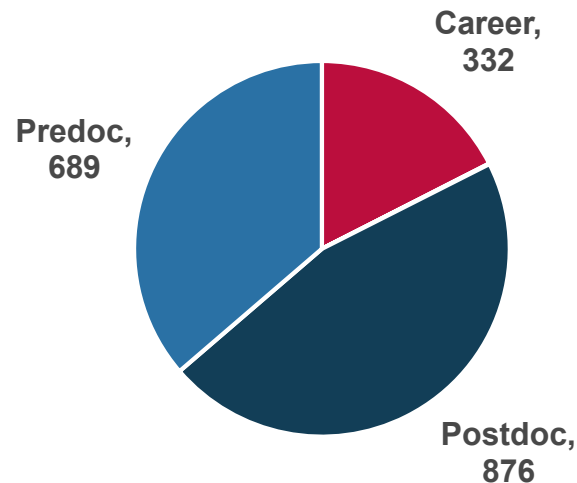
# NCI CCT Portfolio Snapshot – September 2023

1169 Active

### Active Awards Count



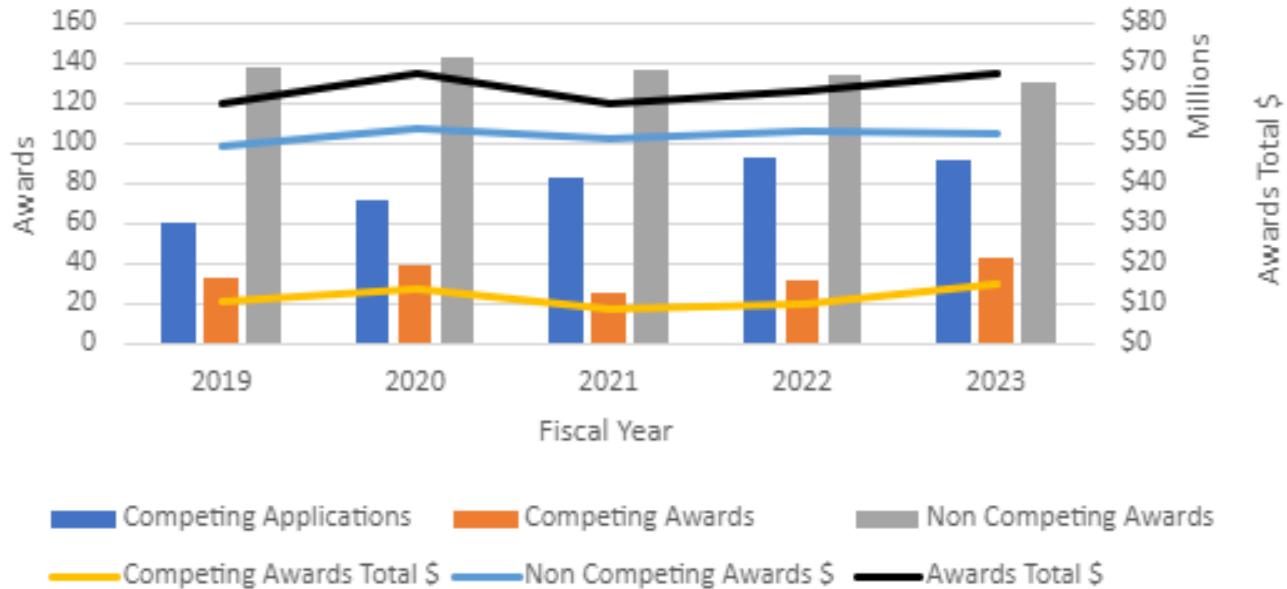
### Career Stages of Mentored Researchers



>1,000 R25 participants  
 ~200 LRP awardees (\$14M)

# T32 and R25 Programs Status Update

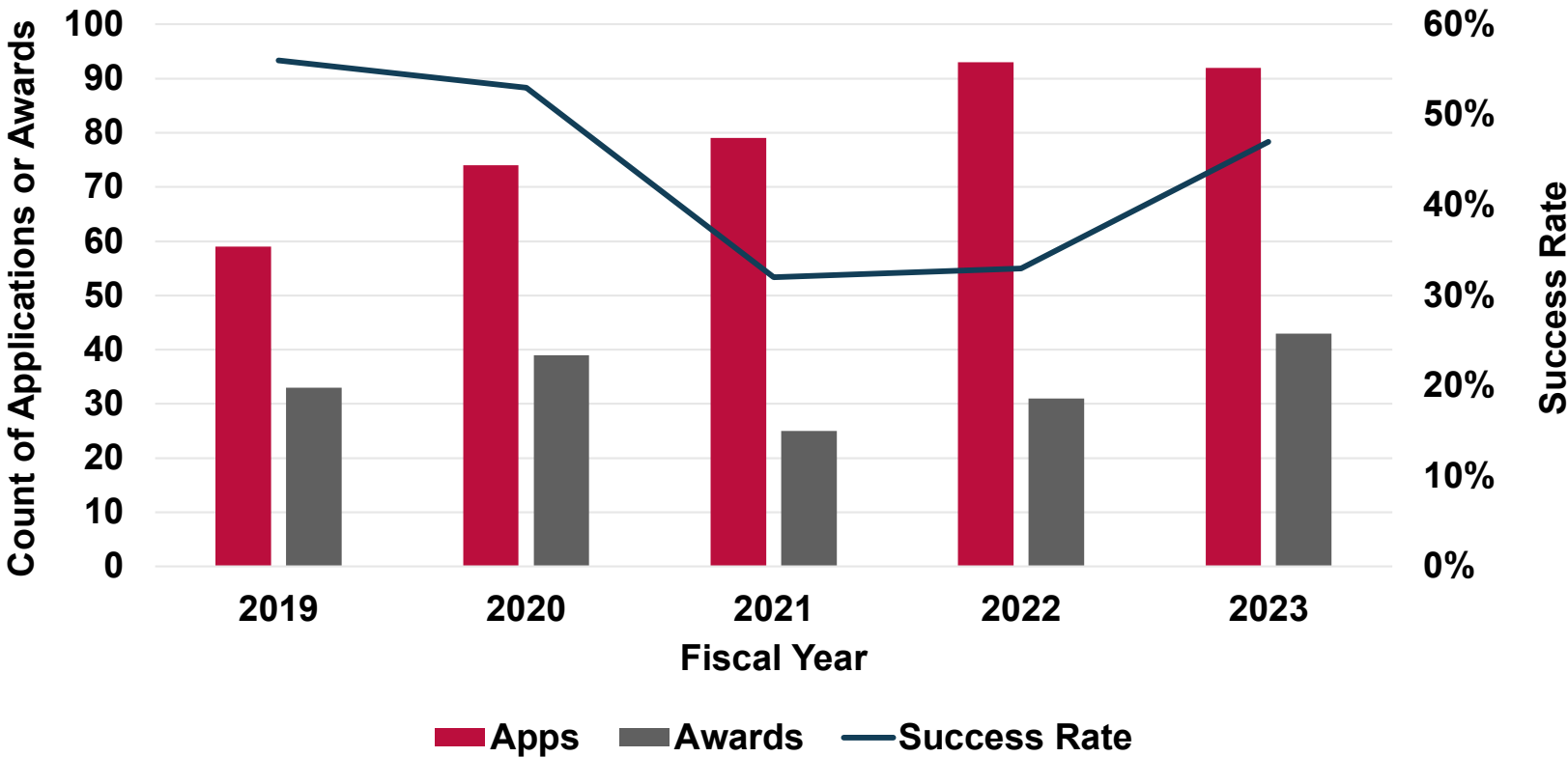
## CTB T32 Awards



T32

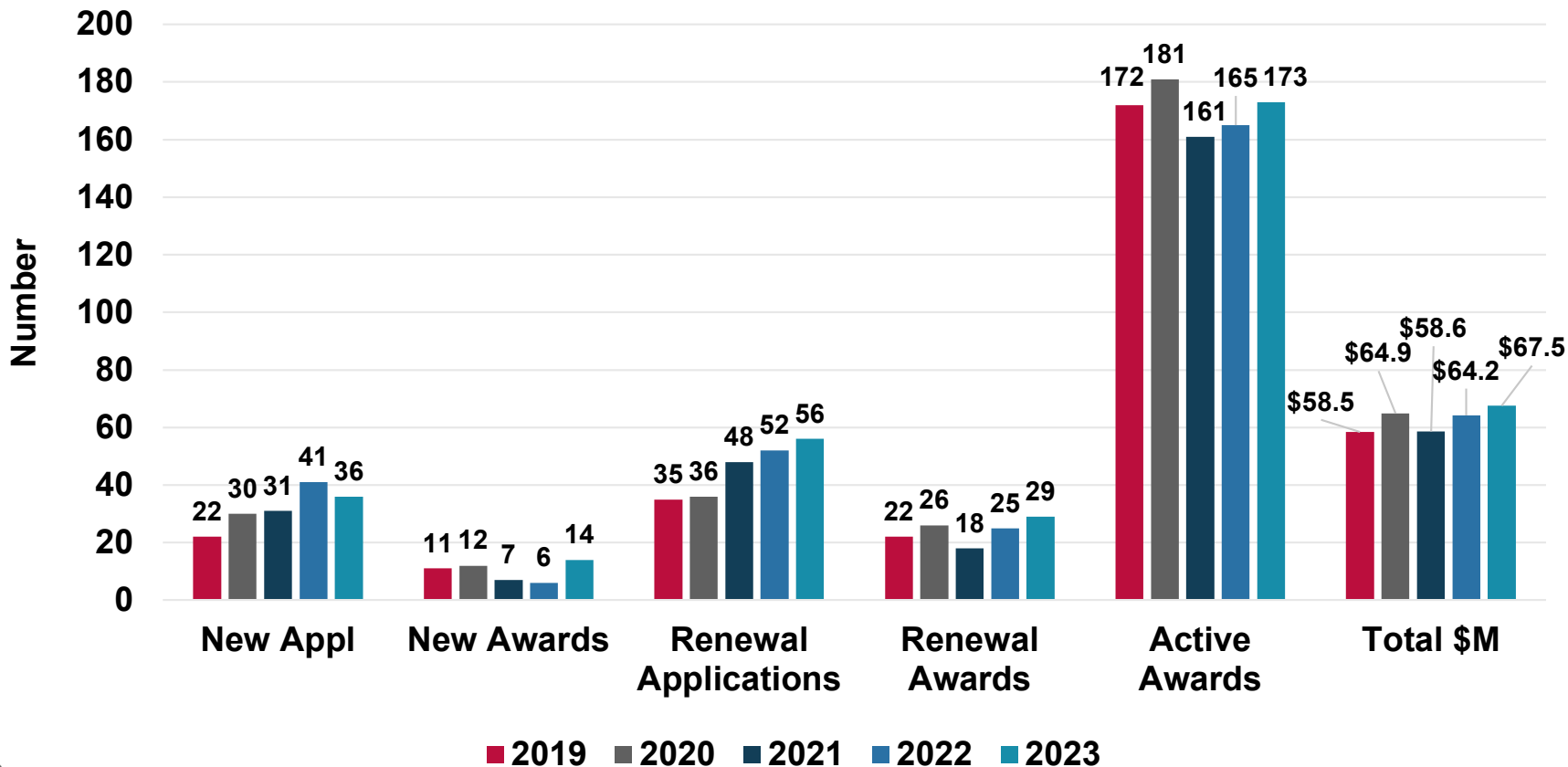
	2018	2019	2020	2021	2022	2023
<b>Competing Applications</b>	66	60	71	83	93	92
<b>Competing Awards</b>	37	33	39	25	31	43
<b>Non Competing Awards</b>	129	138	143	137	134	130
<b>Total Awards</b>	166	171	182	162	165	173
<b>Competing Awards Total \$</b>	\$11,139,213	\$10,824,174	\$14,030,097	\$8,711,742	\$9,943,326	\$15,039,524
<b>Non Competing Awards \$</b>	\$47,371,246	\$49,467,864	\$53,744,815	\$51,711,859	\$53,464,973	\$52,532,607
<b>Awards Total \$</b>	\$58,510,459	\$60,292,038	\$67,774,912	\$60,423,601	\$63,408,299	\$67,572,131

# Competing T32 Applications, Awards and Success Rates





# T32 Funding

Fiscal Year 2023  
Success Rate: 47%

























# Current NCI T32 Programs

Projects Publications Patents Clinical Studies News & More

 List
  Charts
  Map

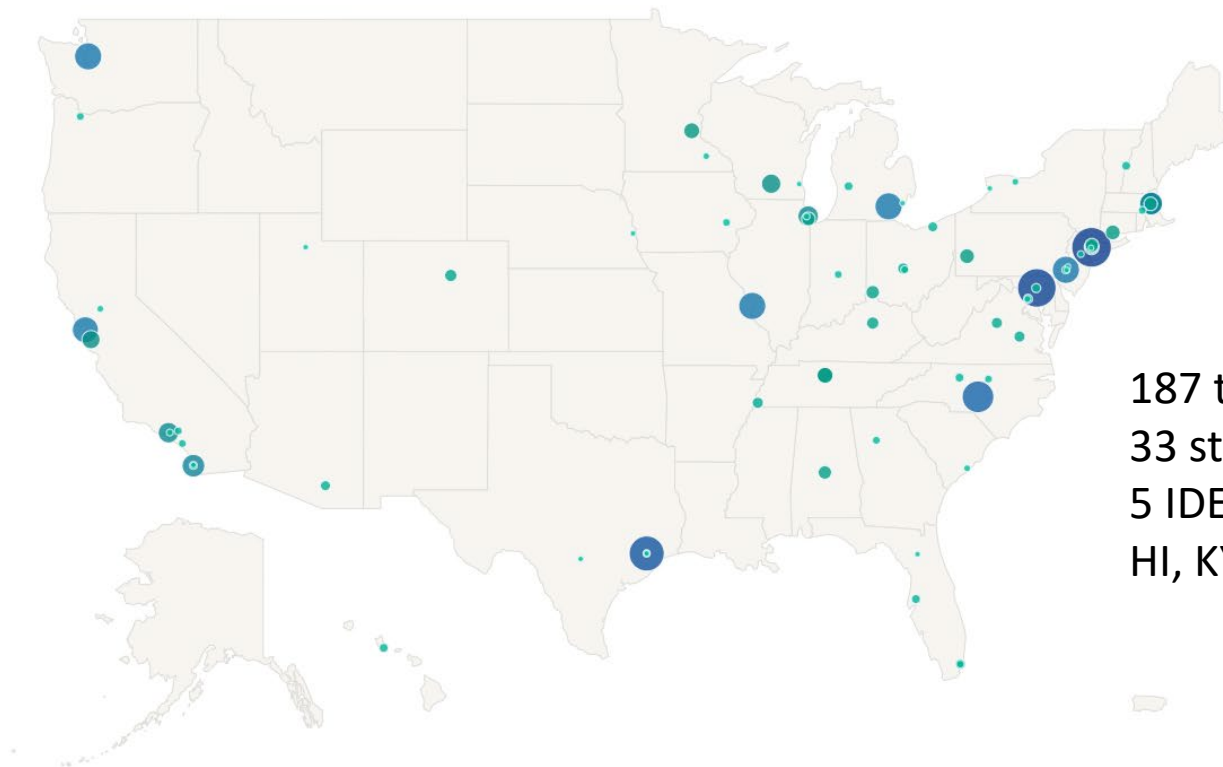
- Filters
- > Fiscal Years
  - > Org Names
  - > Agencies
  - > States
  - > Countries
  - > Principal Investigators

T Act	Project	Year	Sub	Principal Investigator(s)/ Project Leader(s)	Organization	Fiscal Year	Admin IC	Funding IC	FY Total Cost by IC	Similar Projects
<b>T32 Training Program in Pediatric Immuno-Oncology and Immunotherapy</b>										
1	<a href="#">T32CA272387-01</a>			 <a href="#">GOTTSCHALK, STEPHEN</a> 	ST. JUDE CHILDREN'S RESEARCH HOSPITAL	2022	NCI	NCI	\$227,140	<a href="#">View &gt;</a>
<b>Pediatric Training Program Hematology and Oncology</b>										
1	<a href="#">T32CA269116-01</a>			 <a href="#">RUBIN, JOSHUA B.</a>   <a href="#">DI PAOLA, JORGE A.</a> 	WASHINGTON UNIVERSITY	2022	NCI	NCI	\$190,259	<a href="#">View &gt;</a>
<b>Training Program in Basic and Translational Pediatric Oncology Research</b>										
1	<a href="#">T32CA269052-01</a>			 <a href="#">LESSNICK, STEPHEN L.</a>   <a href="#">CRIPE, TIMOTHY P.</a> 	RESEARCH INST NATIONWIDE CHILDREN'S HOSP	2022	NCI	NCI	\$369,090	<a href="#">View &gt;</a>
<b>Genome and Epigenome Integrity In Cancer</b>										
1	<a href="#">T32CA265828-01A1</a>			 <a href="#">ZHANG, ZHIGUO</a>   <a href="#">SYMINGTON, LORRAINE S.</a> 	COLUMBIA UNIVERSITY HEALTH SCIENCES	2022	NCI	NCI	\$265,993	<a href="#">View &gt;</a>
<b>Image Guided Cancer Therapy Training Program</b>										
1	<a href="#">T32CA261856-01A1</a>			 <a href="#">BROCK, KRISTY</a>   <a href="#">FULLER, CLIFTON DAVID</a>   <a href="#">LAI, STEPHEN Y.</a> 	UNIVERSITY OF TX MD ANDERSON CAN CTR	2022	NCI	NCI	\$303,682	<a href="#">View &gt;</a>
<b>Next-Gen Oncopathology Program</b>										
1	<a href="#">T32CA260293-01A1</a>			 <a href="#">CESARMAN, ETHEL</a> 	WEILL MEDICAL COLL OF CORNELL UNIV	2022	NCI	NCI	\$173,797	<a href="#">View &gt;</a>





# Current NCI T32 Programs

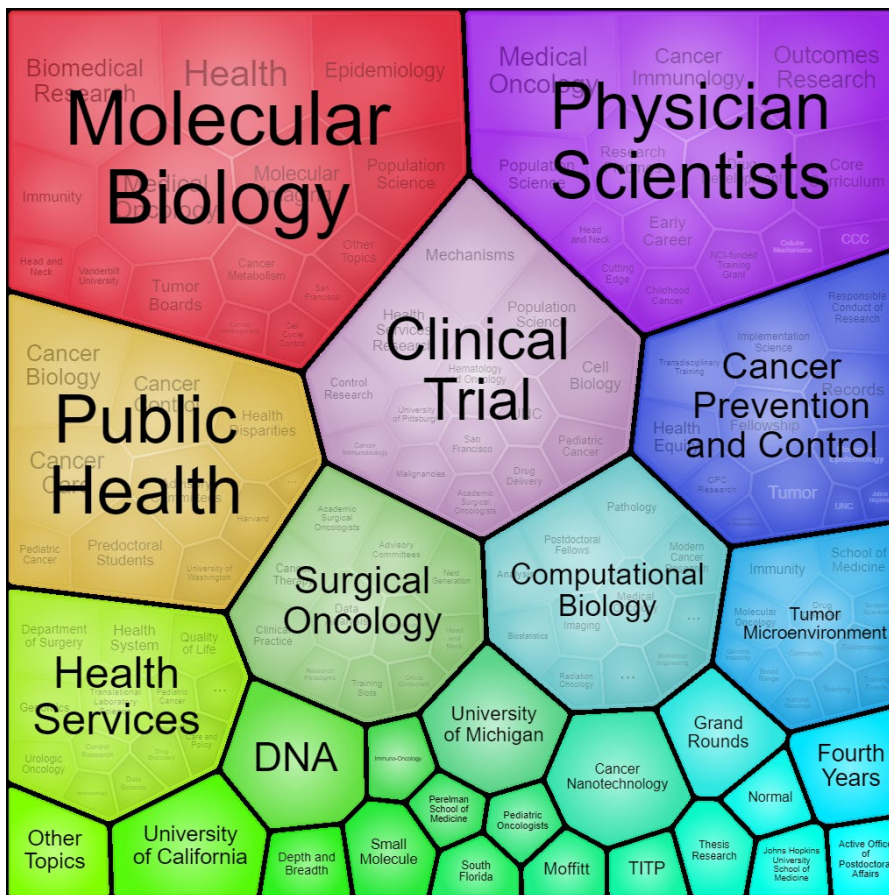


187 total awards  
33 states  
5 IDEA states:  
HI, KY, NE, NH, SC

NIH iReport visualization Sept 2023  
Current List of T32 Awards (187 Projects in FY23)

Total Awarded Cost

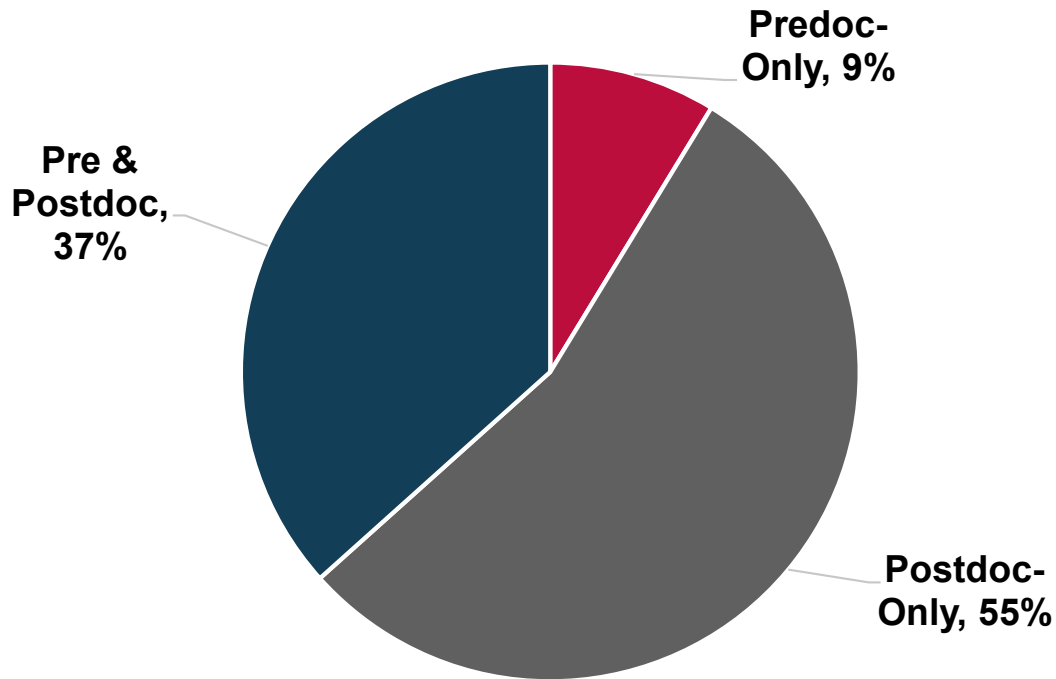
# Current NCI T32 Programs



Clustered visualization data from keywords of award abstracts and aims

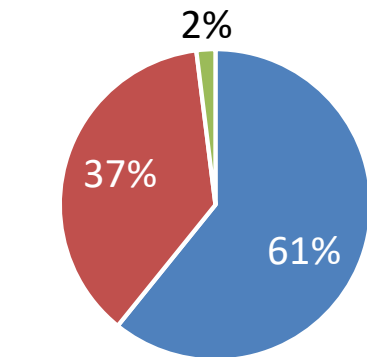
# Typical Characteristics of NCI T32

Average Size: 6 trainee slots, \$370K total costs



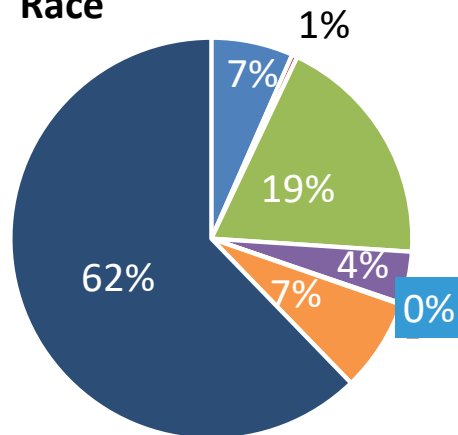
# Current NCI T32 Trainee Demographics

## Gender



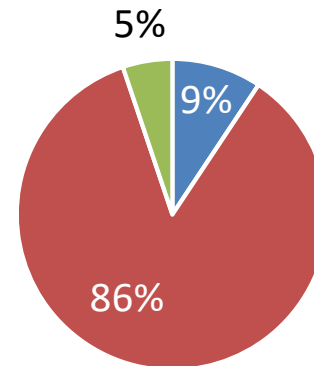
- Female
- Male
- Unknown/Withheld

## Race



- African American/Black
- American Indian or Alaska Native
- Asian
- Multiple Races
- Native Hawaiian or Other Pacific Islander
- Unknown/Withheld
- White

## Ethnicity

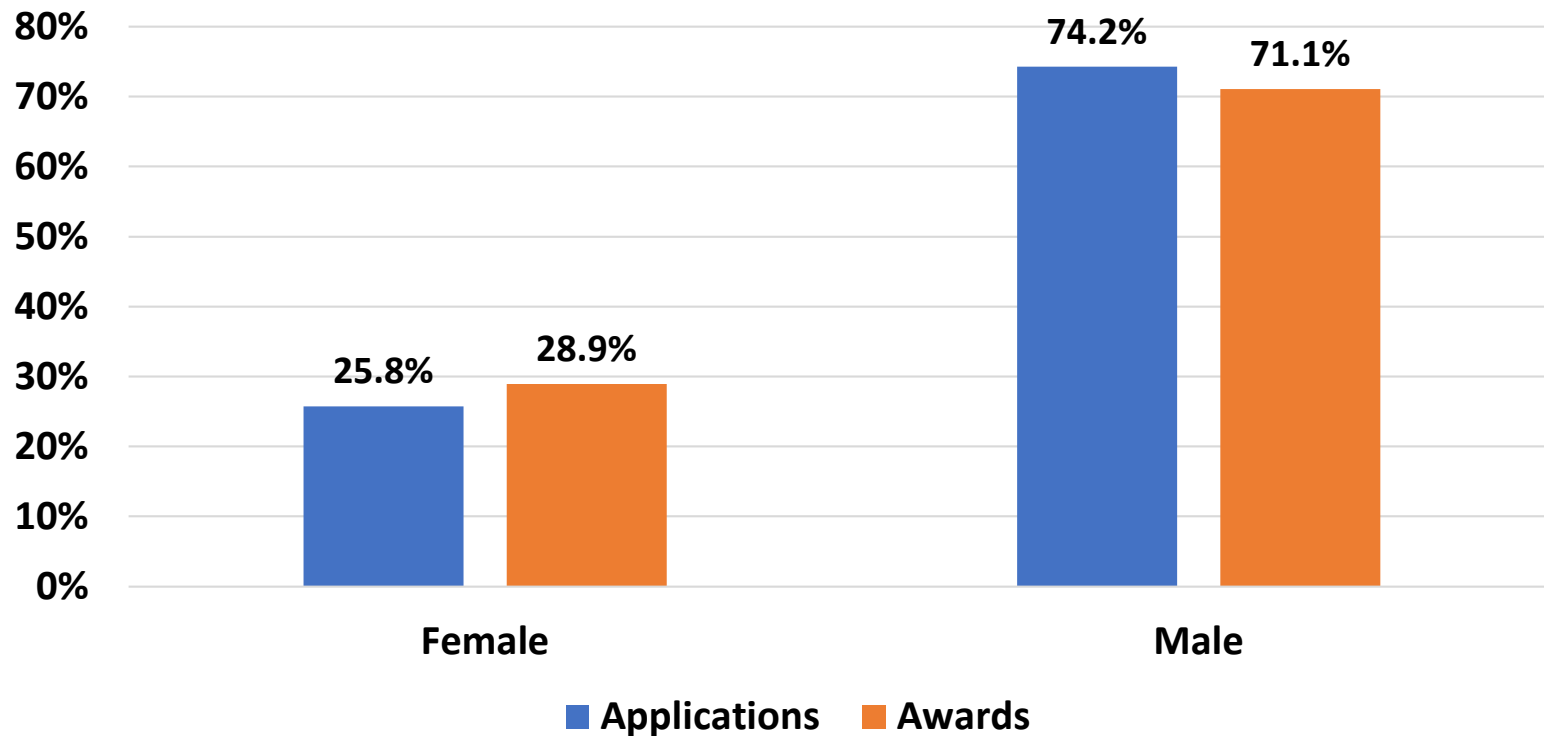


- Hispanic
- Non-Hispanic
- Unknown/Withheld

Disabled: 2% | Disadvantaged backgrounds: 12% | 712 total trainees

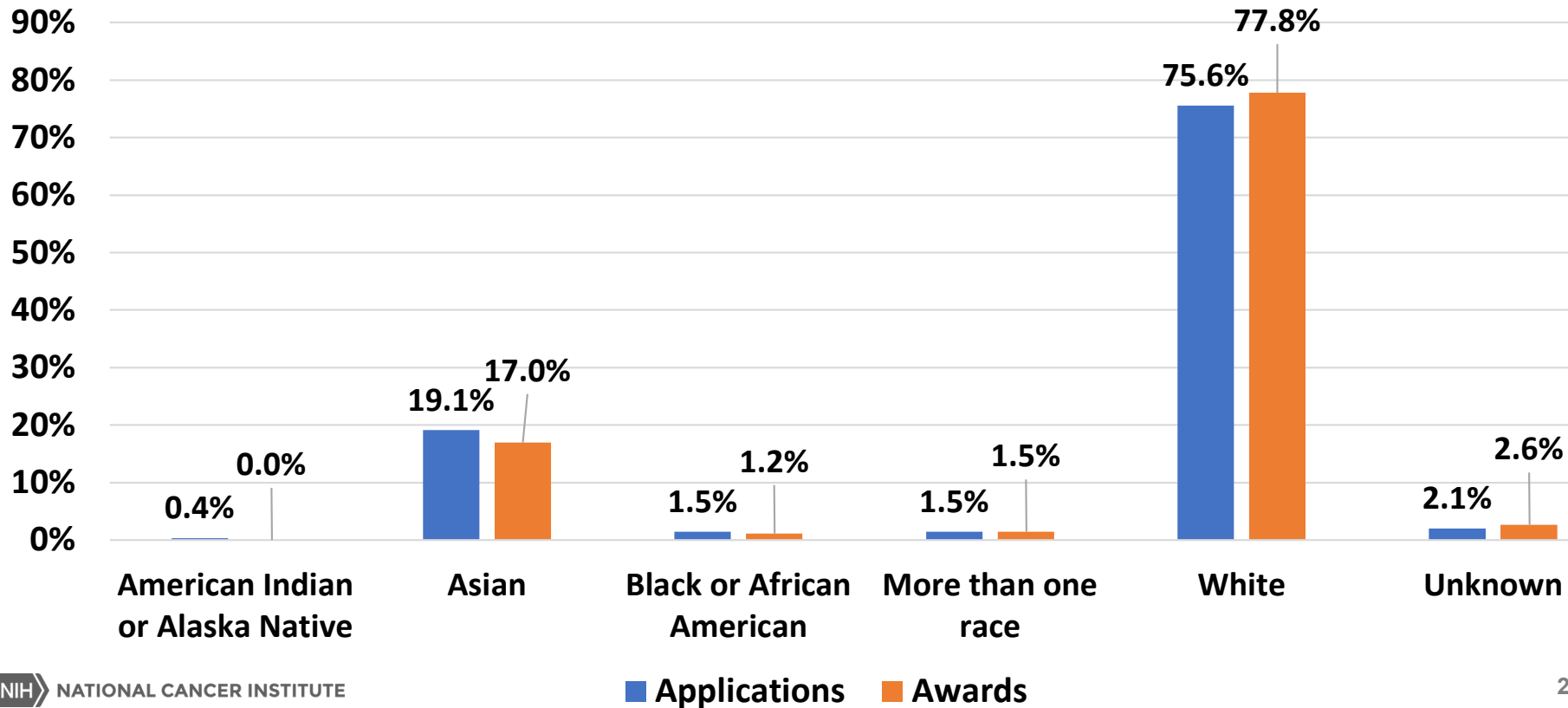
# NCI T32 Contact PD/PI Demographics

T32 FY12-22 Contact PD/PI Gender (self-reported)

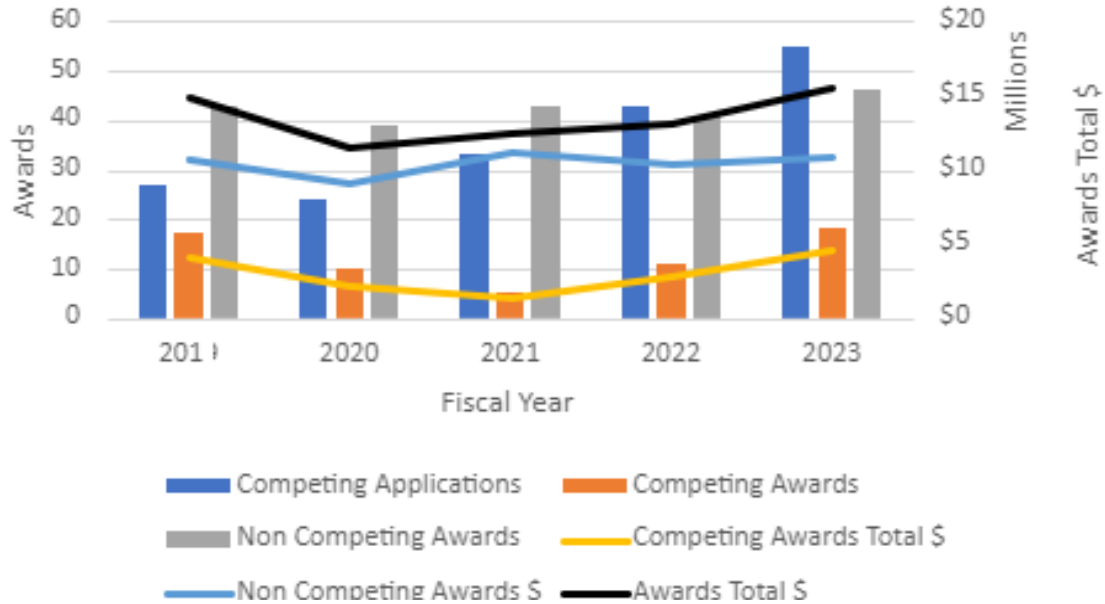


# NCI T32 Contact PD/PI Demographics

## T32 FY12-22 Contact PD/PI Race (self-reported)



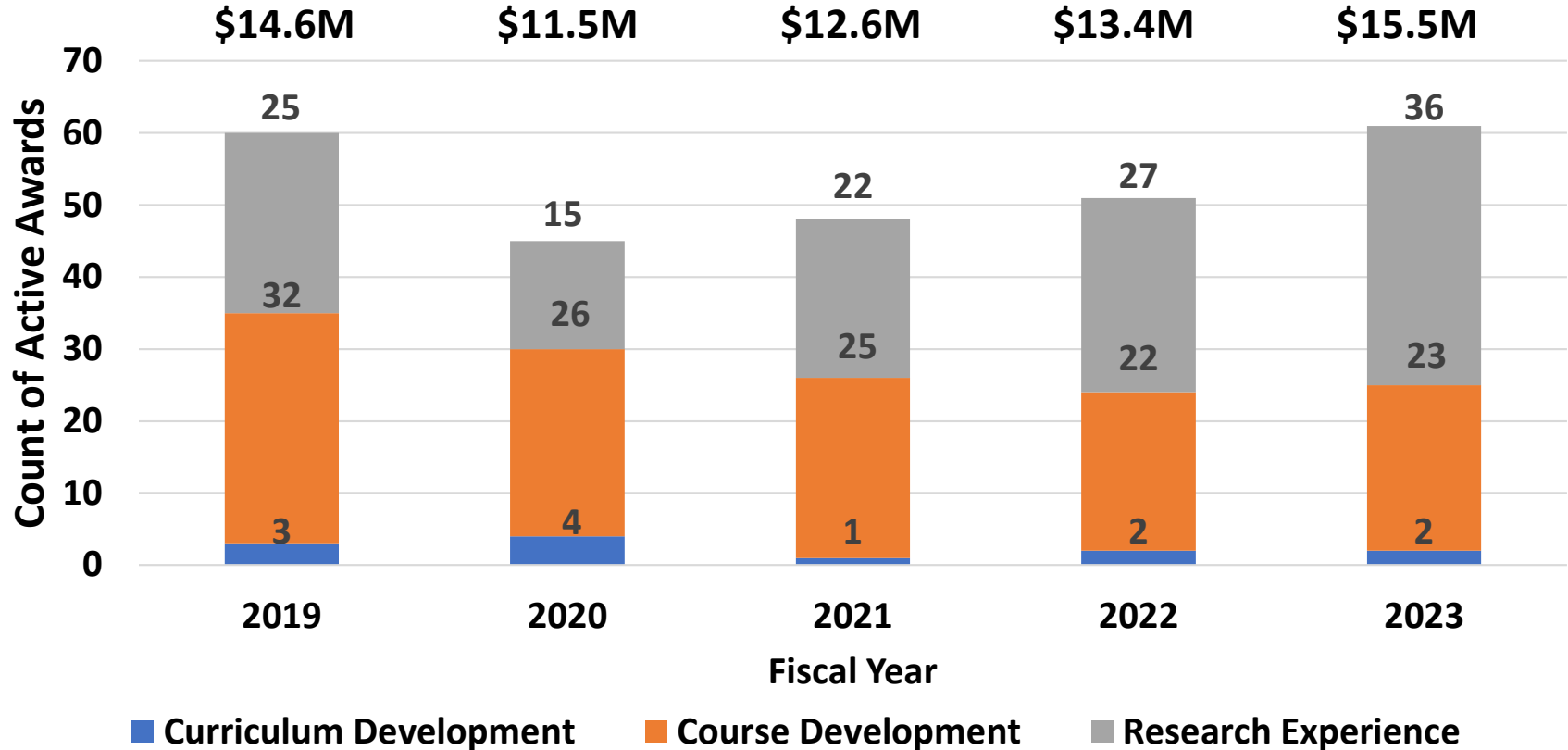
## CTB R25 Awards



R25

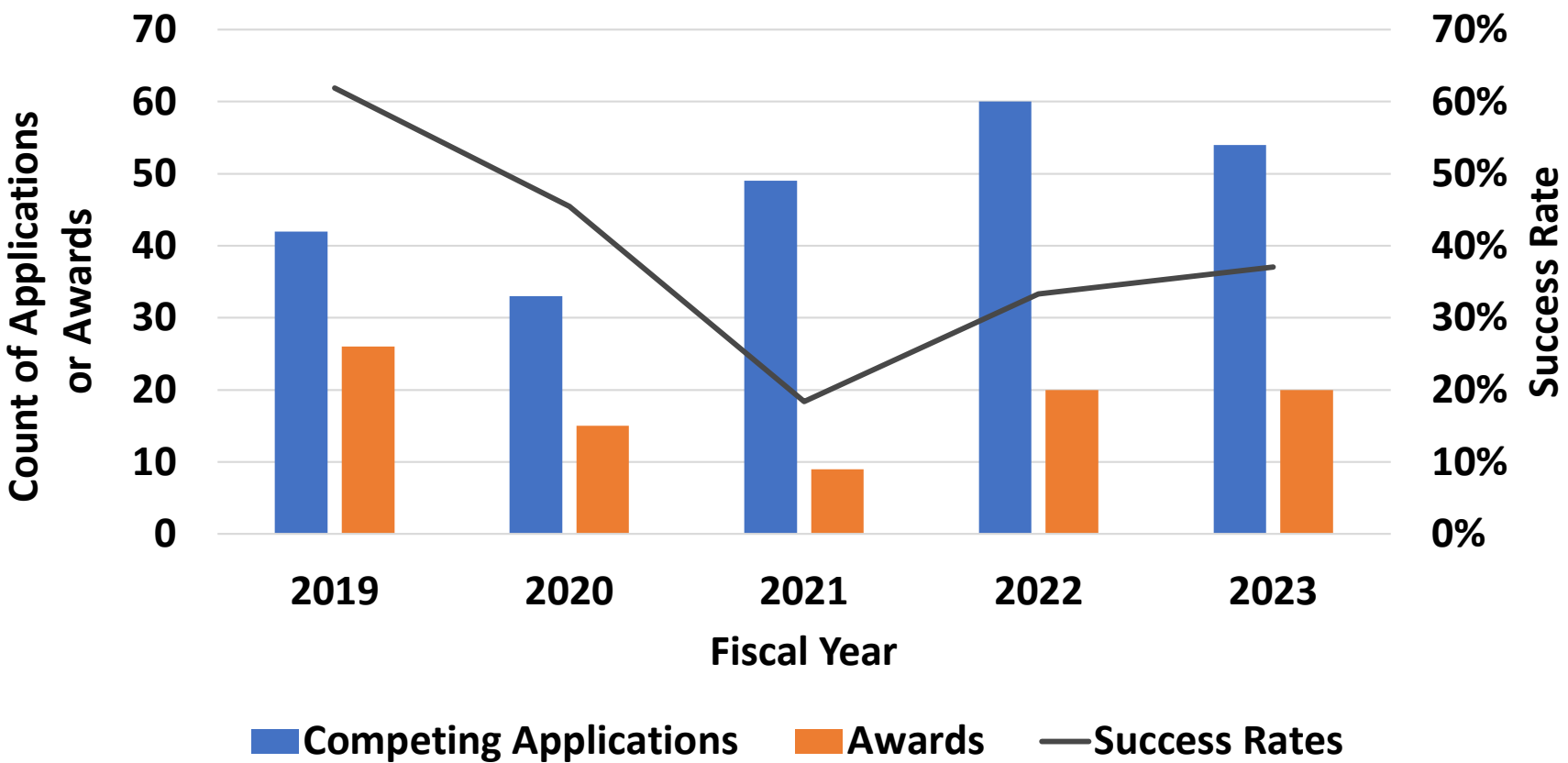
	2018	2019	2020	2021	2022	2023
<b>Competing Applications</b>	24	27	24	33	43	55
<b>Competing Awards</b>	8	17	10	5	11	18
<b>Non Competing Awards</b>	53	43	39	43	41	46
<b>Total Awards</b>	61	60	49	48	52	64
<b>Competing Awards Total \$</b>	\$1,970,113	\$4,063,179	\$2,262,239	\$1,396,849	\$2,787,041	\$4,599,225
<b>Non Competing Awards \$</b>	\$14,409,529	\$10,789,723	\$9,202,597	\$11,179,721	\$10,436,154	\$10,963,258
<b>Awards Total \$</b>	<b>\$16,379,642</b>	<b>\$14,852,902</b>	<b>\$11,464,836</b>	<b>\$12,576,570</b>	<b>\$13,223,195</b>	<b>\$15,562,483</b>

# NCI CCT R25 Portfolio

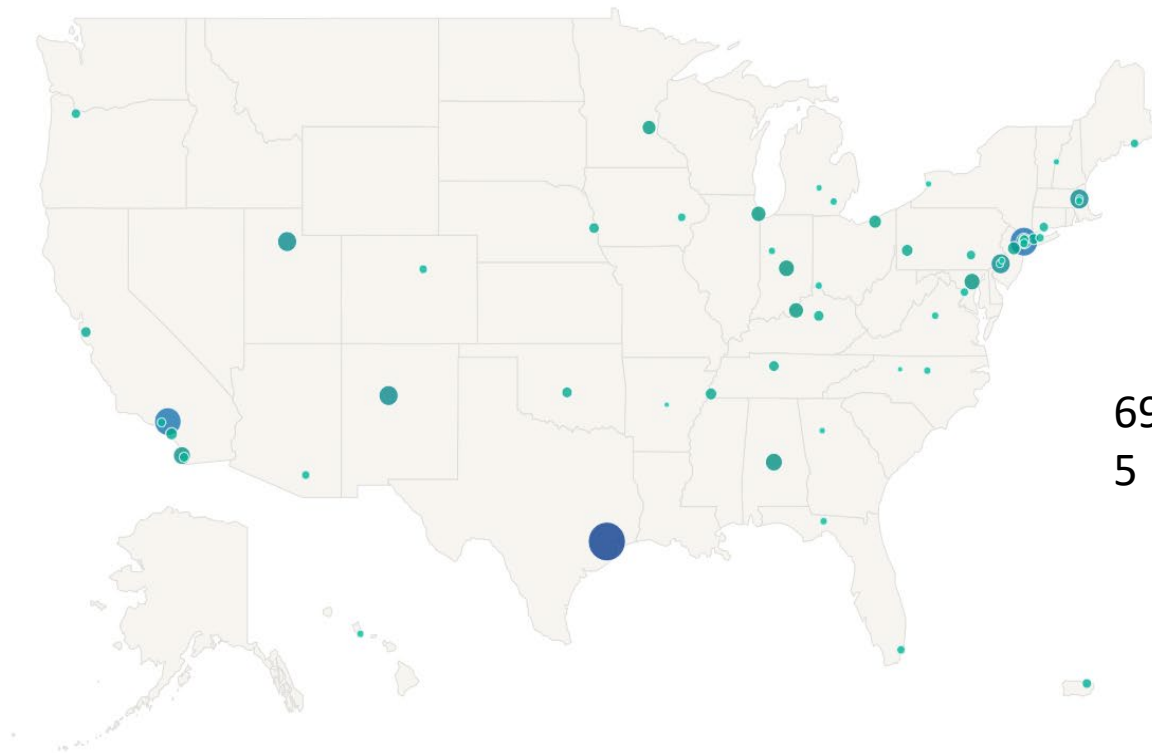




# NCI CCT R25 Applications, Awards, and Success Rates

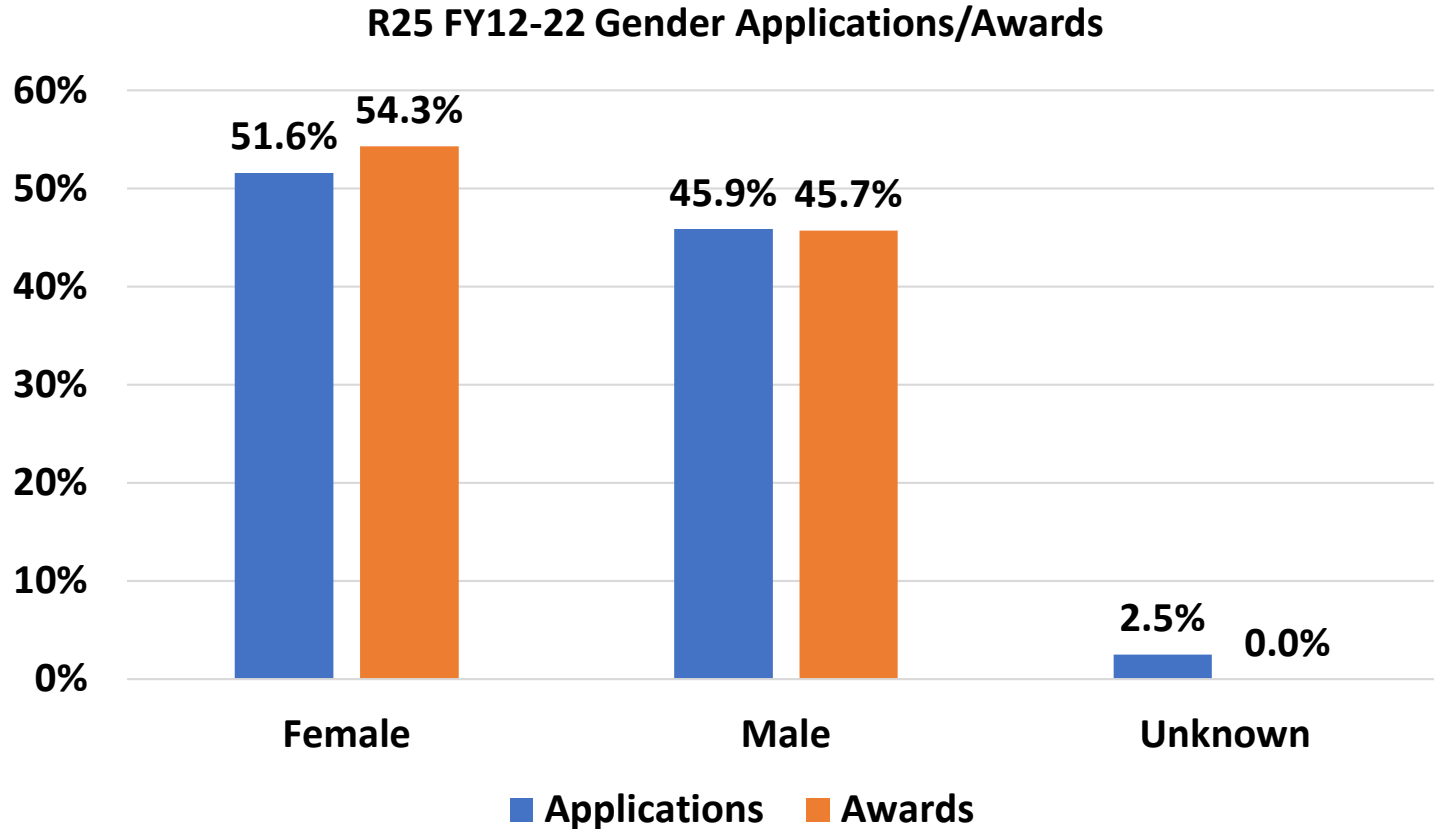


# Current NCI R25 Programs



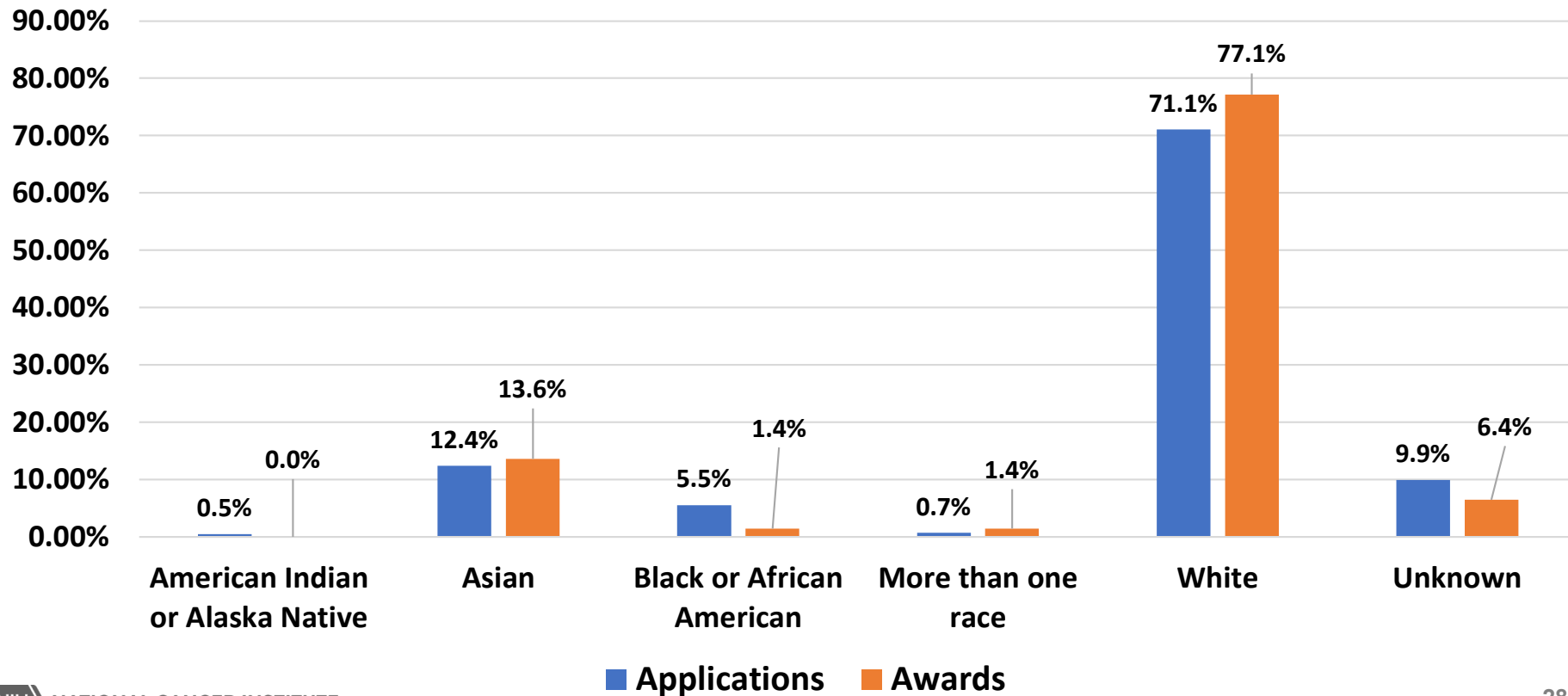
69 total awards  
5 IDEA states

# NCI R25 Contact PD/PI Demographics



# NCI R25 Contact PD/PI Demographics

## R25 FY12-22 Race Applications/Awards



# Highlights of Funding Opportunities for Cancer Training

# Funding Opportunities for Cancer Training

## NIH Loan Repayment Programs

- Deadline Nov 16, 2023
- NCI FY23 success rate: 83%

## NCI Worta McCaskill-Stevens (K12) for community oncology and cancer prevention

- Notice of Intent to Publish: [NOT-CA-23-081](#)
- Anticipated deadline June 2024

## NCI Predoctoral to Postdoctoral Transition Award (F99/K00)

- Funding opportunity reissued [RFA-CA-23-042](#)
- Deadlines Nov 17, 2023; Nov 19, 2024
- 5-year average success rate: 39%

# Funding Opportunities for Cancer Training

## **NCI Pathway to Independence Award for Early Stage Postdoctoral Researchers (K99/R00)**

- Funding opportunities to be reissued soon
- Upcoming deadlines will be K due dates in Feb, June, Oct 2024
- Institution may nominate up to 4 candidates: one in data science, one in cancer control science, one in molecular cancer prevention, and one in other sciences
- 4-year average success rate: 25%

## **NCI Early-stage Surgeon Scientist Program (ESSP) [NOT-CA-21-100](#)**

- Participants awarded through administrative supplement to grantee's NCI-designated Cancer Center Support Grant (P30) or Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE; U54)
- Deadline Dec 8, 2023

# Early Investigator Advancement Program



## Early Investigator Advancement Program 2023-2024 Timeline

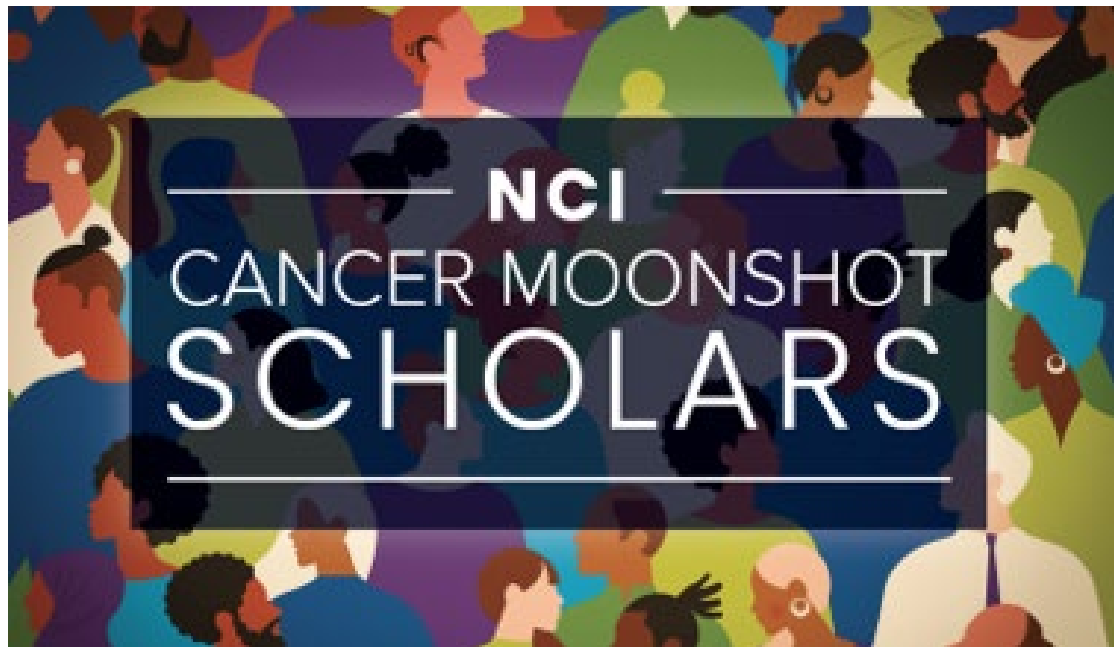


- Facilitate advancement of scientists from diverse backgrounds to become independent investigators.
- Enhance professional skills, guide preparation of an R01 grant application, provide access to a mentoring and peer network, and grow this community of emerging investigators.

[www.cancer.gov/about-nci/organization/crhd/diversity-training/eiap](http://www.cancer.gov/about-nci/organization/crhd/diversity-training/eiap)



# Cancer Moonshot Scholars (R01)



- Diversify the NCI R01 portfolio by enhancing the number of applications submitted by Early Stage Investigators from diverse backgrounds.
- Increase the diversity of thought and approach to cancer research.
- Encourage individuals from underrepresented groups to work with their respective institutions to apply.

Deadline: Feb 6, 2024

[RFA-CA-22-050](#)

# Resources for Early Career Researchers

# Professional Advancement Virtual Engagement Series (PAVES)

Monthly webinar that provides career development resources to support diverse cancer and cancer health disparity researchers achieve research independence.

**Who:** New and Early-Stage Investigators, postdocs, clinician scientists, researchers, and others

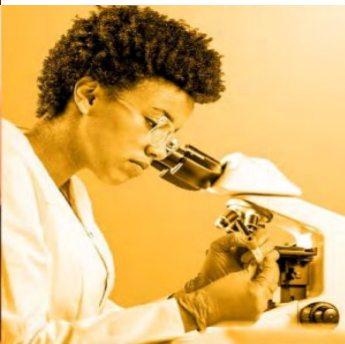
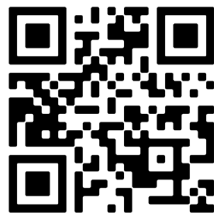
**What:** Explore NIH funding opportunities, identify new career resources acquire insights in the cancer research grant application process, and other career development skills.

**When:** The last Wednesday of each month from 3-4 pm Eastern (times and dates may vary)

**Where:** Virtual | **registration required** – email [PAVES@nih.gov](mailto:PAVES@nih.gov)

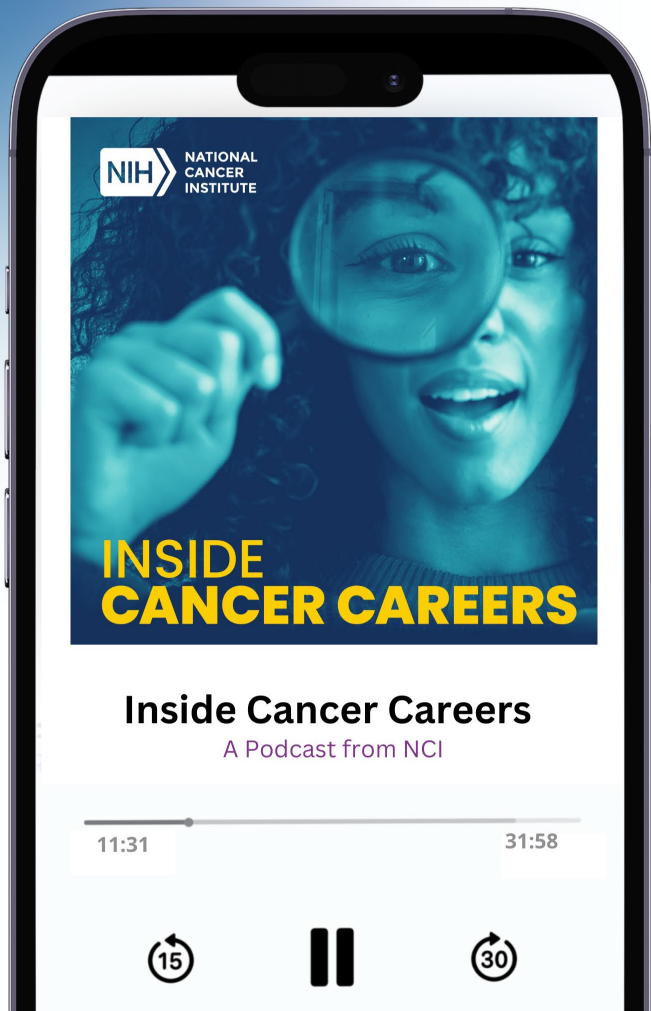
**For Past Topics Visit:** <https://www.cancer.gov/about-nci/organization/crchd/about-health-disparities/resources/paves>

SCAN TO VIEW PAST TOPICS  
& ACCESS RECORDINGS



# NCI INSIDE CANCER CAREERS PODCAST

WITH YOUR HOST  
DR. OLIVER BOGLER



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# NCI Rising Scholars: Cancer Research Seminar Series

A virtual monthly seminar series highlighting the research and important contributions made by NCI-supported postdoctoral fellows and early career investigators.



*Scan me*



<https://events.cancer.gov/cct/risingscholars/registration>

# NCI Transition Career Development Workshop

**January 16–17, 2024**

The goal of the workshop is to facilitate current NCI career development awardees and prospective applicants to become better acquainted with the elements involved in transitioning to cancer research independence.

**Register Today!**

<https://events.cancer.gov/nci/tcdworkshop>



*Scan me*

# Center for Cancer Training (CCT) & the Cancer Training Branch (CTB)




**Yansong Bian, MD, PhD**  
Program Director, CTB



**Corinne Boulanger, PhD, MBA**  
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 **Mark Damico, PhD**  
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**Mariam Eljanne, PhD**  
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**Sonia Jakowlew, PhD**  
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**Hana Odeh, PhD**  
Program Director, CTB



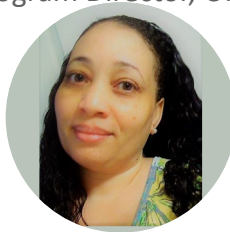
**Anu Puri, PhD**  
Program Director, CTB



**Sergey Radaev, PhD**  
Program Director, CTB



**Michael Schmidt, PhD**  
Program Director, CTB



**Karen Tolson**  
Program Specialist, CTB



**Sasha Torres**  
Program Analyst, CCT

# Thank you for your attention

Email: [nas.zahir@nih.gov](mailto:nas.zahir@nih.gov)

**LinkedIn CCT Page: Train at NCI**



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[www.cancer.gov/espanol](https://www.cancer.gov/espanol)