



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



Awards to Support Early Career Cancer Researchers

Nastaran (Nas) Zahir, PhD

*Branch Director, Cancer Training Branch, Center for Cancer Training
nas.zahir@nih.gov*

NIH **NATIONAL CANCER INSTITUTE**

DCB New Grantee Workshop
January 24, 2024

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 populations and individuals with disabilities

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

Chief: Behrouz Davani, PhD
<https://www.cancer.gov/about-nci/organization/crhd/diversity-training/cure>

Center for Global Health

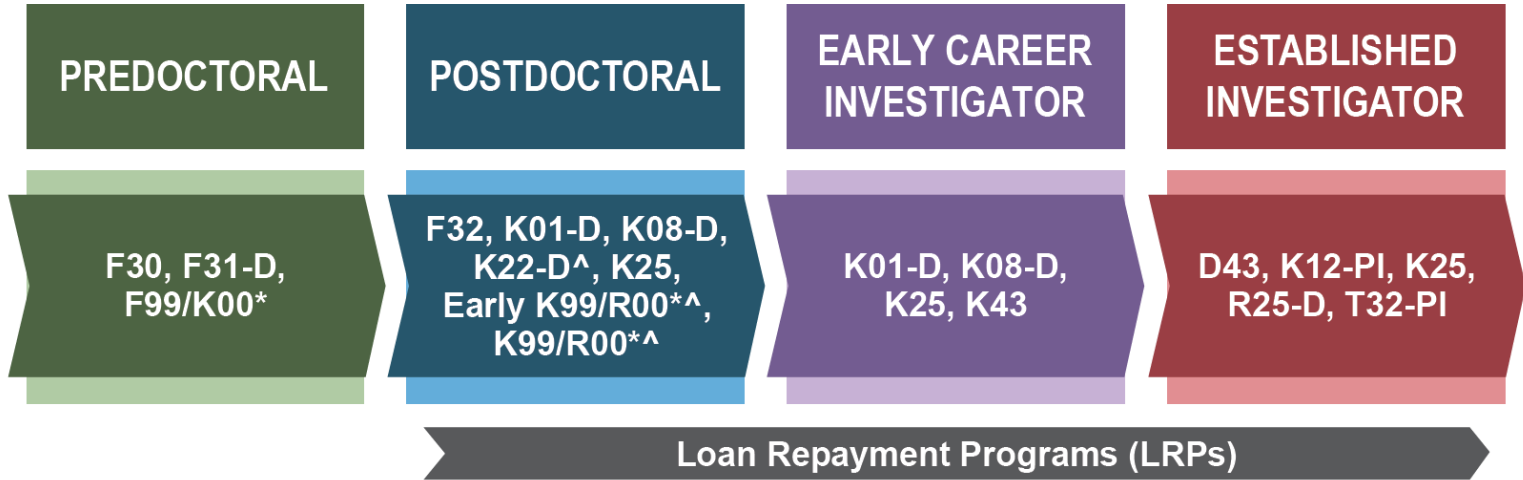
Awards intended for capacity building with a focus on low-and-middle-income country institutions and scientists

- Research Skills/Education Grants
- Individual Career Development Awards
- International Research Scientist Development Award
- Emerging Global Leader Award
- Institutional Capacity Building

Program Director: Sudha Sivaram, DrPH, MPH
<https://www.cancer.gov/about-nci/organization/cgh/research-training>

NCI Funding Opportunities for Training in All Areas of Cancer Research

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

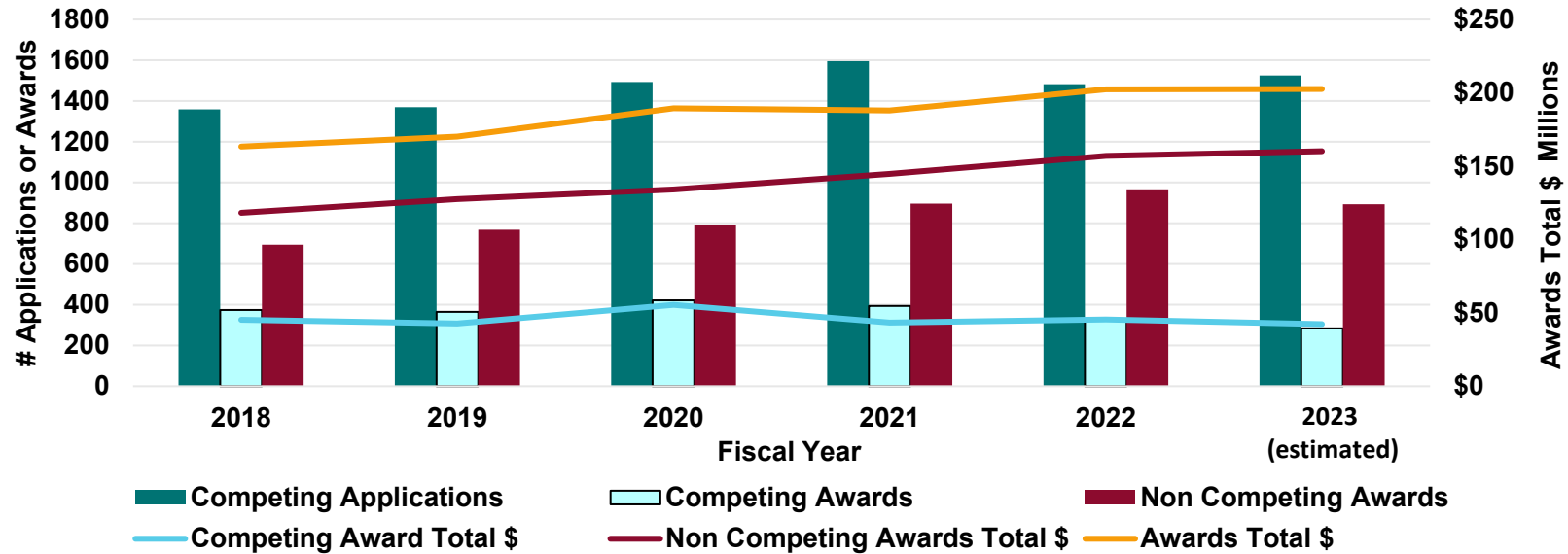


Supplements to Active Awards to Promote Diversity, Re-entry, and Re-integration in Cancer Research Careers

KEY	F = Fellowship	-D = Awards available to promote diversity in addition to the parent funding opportunity
	K = Career Development	* = Non-U.S. citizens eligible to apply
	R = Research	^ = NIH Intramural postdocs eligible to apply
	T = Training	-PI = The principal investigator of the application must be an established investigator



NCI Funding Opportunities for Training in All Areas of Cancer Research



All Awards	2018	2019	2020	2021	2022	2023
Competing Applications	1359	1369	1493	1596	1482	1525
Competing Awards	374	365	421	393	324	283
Non Competing Awards	695	768	789	896	966	893
Total Awards	1069	1133	1210	1289	1290	1176
Competing Award Total \$	\$45,100,765	\$42,702,104	\$55,331,448	\$43,280,217	\$45,381,694	\$42,255,723
Non Comp. Award Total \$	\$118,199,211	\$127,537,334	\$134,047,297	\$144,772,700	\$156,971,044	\$160,270,892
Awards Total \$	\$163,299,976	\$170,239,438	\$189,378,745	\$188,052,917	\$202,352,738	\$202,526,615



The NIH Loan Repayment Program Helps Pay Back Education Loans

- NCI Eligible Candidates: Researchers conducting cancer-focused studies in clinical translation, pediatric cancer, cancer health disparities, epidemiology, population sciences, and prevention; including clinical research for individuals from disadvantaged backgrounds.
- Award is up to \$50,000 per year and renewable if applicant continues to meet eligibility criteria and has eligible educational debt
- 2-year research commitment
- Application deadline: annually in November
- FY23: NCI funded 226 applications. Success rate: 83%
- NCI LRP Liaison: Mark Damico, PhD mark.damico@nih.gov



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

[RFA-CA-23-042](#) | Deadline: Nov 19, 2024



Eligibility

- 3rd and 4th year health-related PhD students
- US Citizens, non-citizen nationals, permanent residents, Non-US Citizens
- 1 nominee per institution

1-2 years of support for completing PhD dissertation (F99)

- Stipend, Tuition, and Training Related Expenses at NRSA levels

Up to 4 years of support for postdoc training (K00) at a US institution

- Salary with annual increases at levels greater than NRSA levels

5-year average success rate: 42%



Metrics of F99/K00 Awardees

K00 Transitions to Postdoctoral Phase (Cohorts 1-6: 147 K00 awardees)

- 91% of F99 awardees have transitioned or are in the process of transitioning to K00 phase at the expected time
- 95% changed institutions when they transitioned and 100% changed research groups

K99/R00 Applications and Awards (Cohorts 1-3: 78 K00 awardees)

- 52% application rate
- 27% (6/22 applicants) received a fundable score

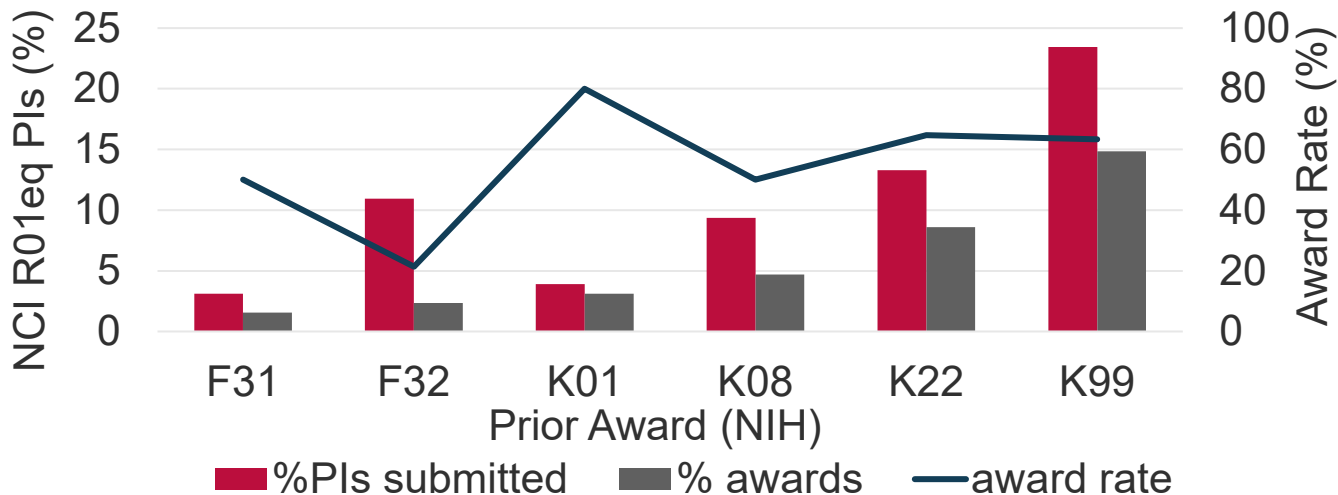
Fellowship Applications: Factors to Consider

- NCI requires that the mentor have research funding (R01 or equivalent) because fellowships do not fund the research project
- Research training that has a clear cancer focus (with exception of F99)
- Typical timing of submission
 - F30: year 4 of a dual-degree program
 - F31: year 3 of a PhD program; F99/K00
 - F32: 1st (30%) or 2nd (60%) year of postdoctoral fellowship
- NCI expects the applicant to have intellectual input in the project

Individual Career Development Awards (Ks)

Goal: Ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the Nation's biomedical, behavioral, and clinical research needs.

Designed to foster the transition of new investigators to research independence

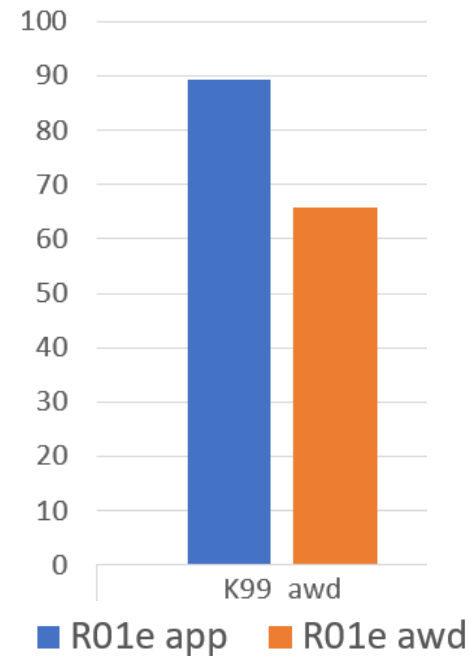
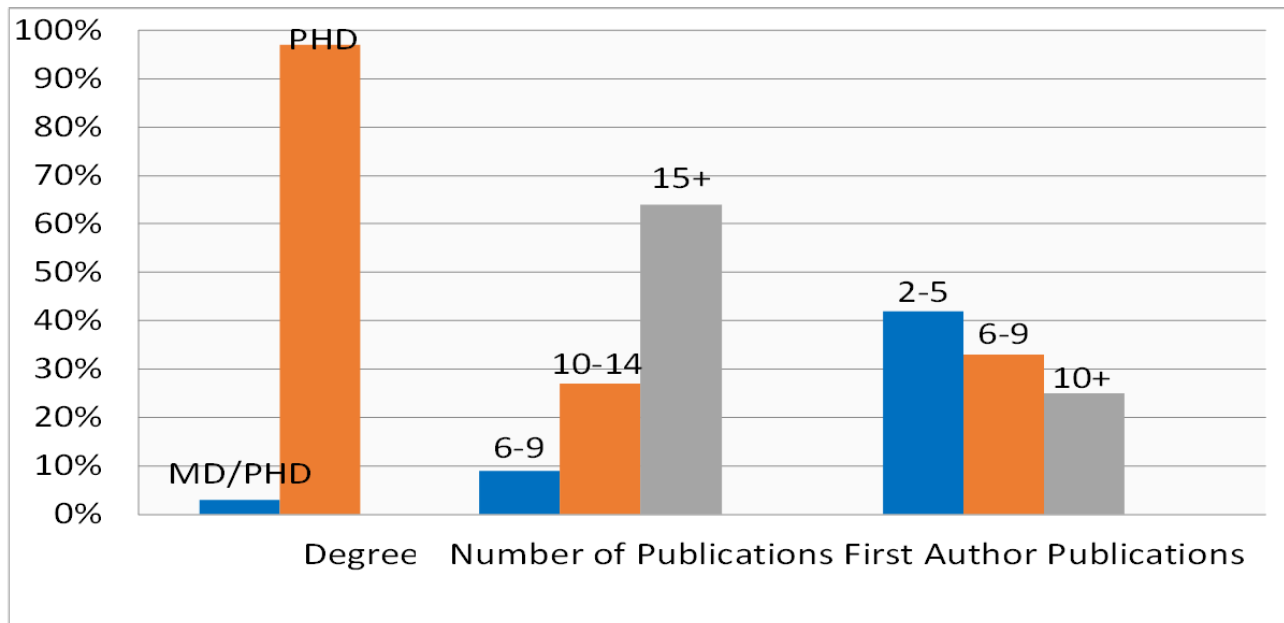


Individual Research Career Development Awards (Ks)

Fostering the transition of new investigators to research independence

	“Early” K99/R00 (data sci, prevention, control, pop sci)	Parent K99/R00	K01 and K01 Diversity (NCI-CRCHD)	K22 and K22 Diversity	K08 and K08 Diversity
Mentored vs non-mentored (independent)	Mentored phase / Non-mentored phase	Mentored phase / Non-mentored phase	Mentored	Non-mentored	Mentored Clinical Scientist
Citizenship	U.S. citizens or non-U.S. citizens	U.S. citizens or non-U.S. citizens	U.S. citizens or permanent residents	U.S. citizens or permanent residents	U.S. citizens or permanent residents
Eligibility	≤ 2 years postdoc training	≤ 4 years postdoc training	2 – 5 years postdoc training	2 – 8 years postdoc training	Postdoc and early career
Duration of Award	1-2 years K99 1-3 years R00	1-2 years K99 1-3 years R00	Support for 3 – 5 years protected time	Support for 3 years activated when independence begins	Support for 3 – 5 years protected time
Budget	Salary up to \$100K Fringe benefits Research \$30K (K99 portion)	Salary up to \$100K Fringe benefits Research \$30K (K99 portion)	Salary up to \$100K Fringe benefits Research \$30K-\$50K	Salary up to \$100K Fringe benefits Research \$50K	Salary up to legislative cap Fringe benefits Research \$50K

The Pathway to Independence Award (K99/R00) Awardee Profile



5-year average
success rate: **15%**



NCI Transition Career Development (K22) Award

Postdoc/Clinical Fellow
(mentored, non-independent phase)
>2years < 8 years postdoc research

K22 Application



Letter of Intent
To Commit Funds



K22 Award

**Receive
fundable
score**

12 months

Tenure-track
Assistant Professor
(Independent Phase)

5-year average
success rate: **14%**

	R01 Applications	R01 Awards	Success Rate
K22 Awardees	196	125	64%
Non- Awardees	138	41	30%



Resources for Early Career Researchers

Is Your Student Interested in Training Opportunities at NCI?

NCI and NIH Training Programs

High School

Undergraduate and
Postbaccalaureate

Graduate Student

Postdoctoral

iCURE: Intramural Continuing Umbrella of Research Experiences

NIH Summer Internship Program

 Cancer Research Interns Summer Program

Werner H. Kerstin Program

 Cancer Research Postbac
Program

 Postdoc Recruitment Event

NCI Cancer Prevention
Fellowship Program

NCI Communications Fellowship

NIH Graduate Partnerships
Program

Interagency Oncology Task
Force Fellowship

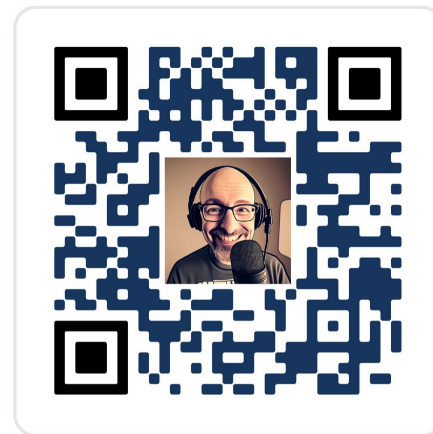
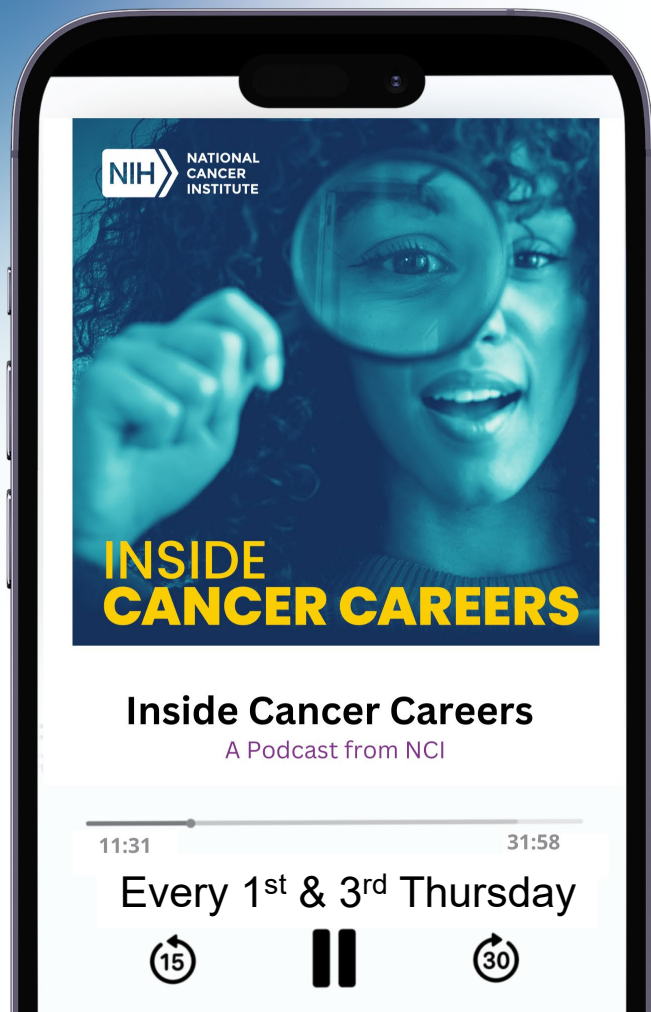
NCI Technology Transfer
Fellowship

**Train at NCI:
Scan to Learn More**



NCI INSIDE CANCER CAREERS PODCAST

WITH YOUR HOST
DR. OLIVER BOGLER



Scan & Subscribe

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.

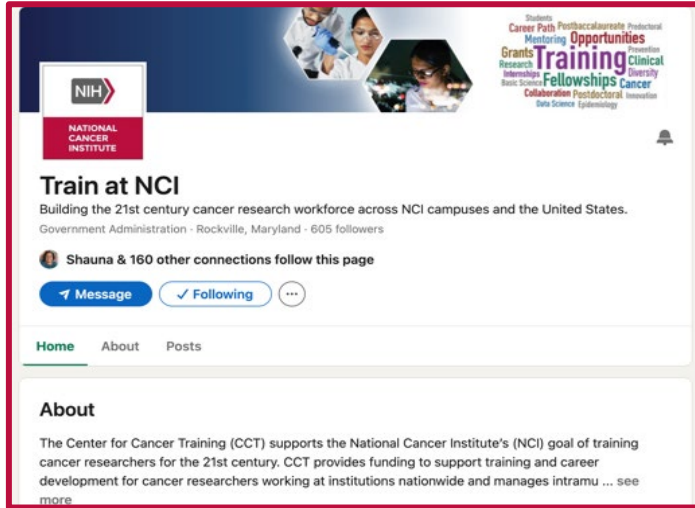


Scan me



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

Ways to Stay in Touch: LinkedIn and Cancer Training Branch (CTB) Newsletter



Scan to Subscribe



Scan to
Follow Us



<https://www.linkedin.com/showcase/train-at-nci/>

Cancer Training Branch Program Team



Yansong Bian, MD, PhD
Program Director



Corinne Boulanger, PhD, MBA
Program Director



Mark Damico, PhD
Program Director



Mariam Eljanne, PhD
Program Director



Sonia Jakowlew, PhD
Program Director



Susan Lim, PhD
Program Director



Hana Odeh, PhD
Program Director



Anu Puri, PhD
Program Director



Sergey Radaev, PhD
Program Director



Michael Schmidt, PhD
Program Director



Karen Tolson
Program Specialist



Sasha Torres
Program Analyst, CCT

Thank you for your attention

Email: nas.zahir@nih.gov

LinkedIn CCT Page: Train at NCI



**NATIONAL
CANCER
INSTITUTE**



Encourage your students and postdocs to apply,
visit our website for more information,
and contact us

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

www.cancer.gov

www.cancer.gov/espanol



Access our flyer for Cancer
Training Funding
Opportunities!

<https://go.nih.gov/VK2NONH>