



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



Funding for the Next Generation of Cancer Researchers

Nastaran (Nas) Zahir, PhD

Branch Director, Cancer Training Branch, Center for Cancer Training



DCCPS New Grantee Workshop
October 30, 2023

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

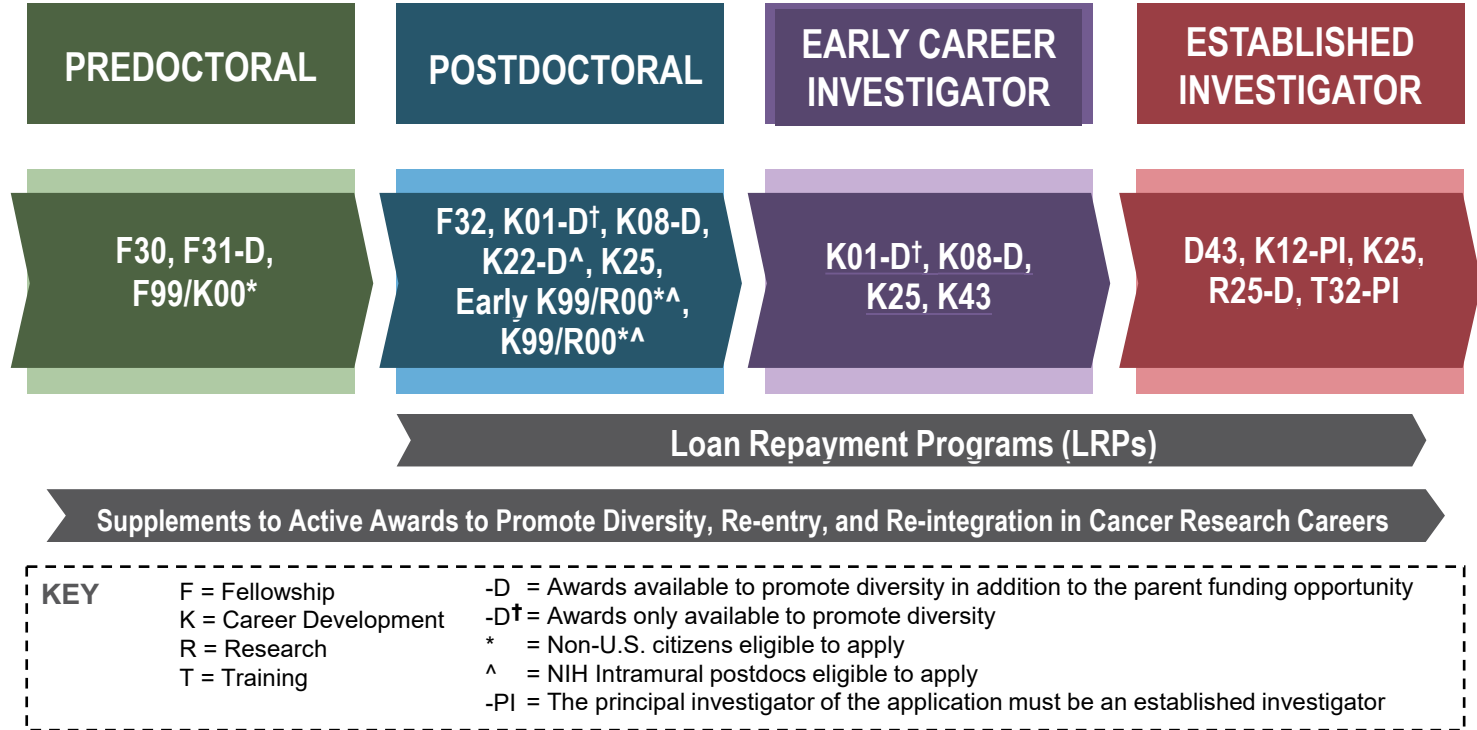
Awards intended for mentored training in global cancer research

- 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



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 (11/16/2023)
- 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)

Reissued [RFA-CA-23-042](https://www.fda.gov/oc/ohrt/rfa-ca-23-042) | Deadlines: Nov 17, 2023; 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: 39%

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 period
- 95% changed institutions when they transitioned and 100% changed research group

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 sponsor have research funding (R01 or equivalent) because fellowships do not fund the research project
- Research training that has a clear cancer focus
- 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, cancer control sci)	Parent K99/R00	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	Salary up to \$100K Fringe benefits Research \$50K	Salary up to legislative cap Fringe benefits Research \$50K

The NCI Pathway to Independence Award for Early-stage Postdoctoral Researchers (K99/R00)

- Funding opportunities will be reissued soon
- Candidate must be nominated by institution. Postdocs with **less than 2 years of postdoctoral research experience** (as of submission due date); research in **molecular cancer prevention, data science, or cancer control science** especially encouraged. Extensions of eligibility window may be considered on a case-by-case basis (contact NCI program director)
- Institution may nominate up to 4 candidates, one in data science, one in cancer control science, one in molecular prevention, and one in other sciences
- US citizenship or permanent residency not required - **Individuals on visas eligible**

4-year average
success rate: **25%**

<https://www.cancer.gov/grants-training/training/funding/early-k99>

NCI Program Director: Dr. Sergey Radaev

The Pathway to Independence Award (K99/R00)

Mentored Phase (K99) (1-2 years):

Applicant within 4 years of postdoc research experiences

Supports postdoctoral research training & career development

Allowable Costs: Salary: \$100K/year; Research Support:
\$30K/year

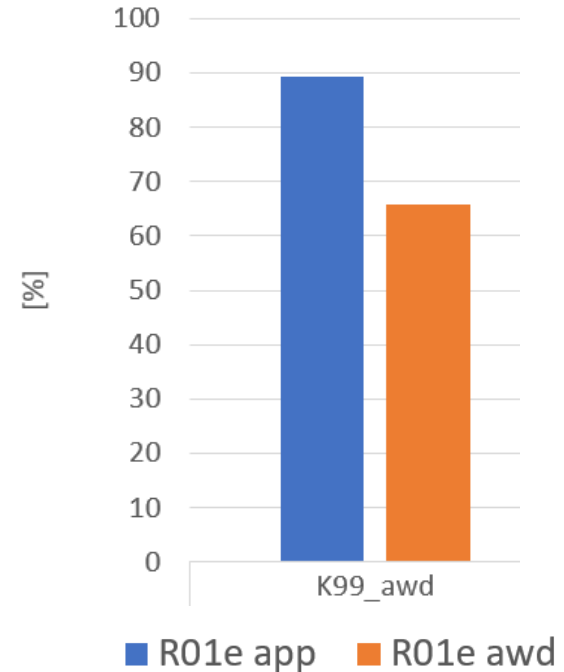


Independent Scientist Phase (R00) (up to 3 years):

Supports independent research project.

Allowable Costs: Salary, fringe benefits, research support:
\$249K/year

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



Review

Letter of Intent
To Commit Funds



12 months

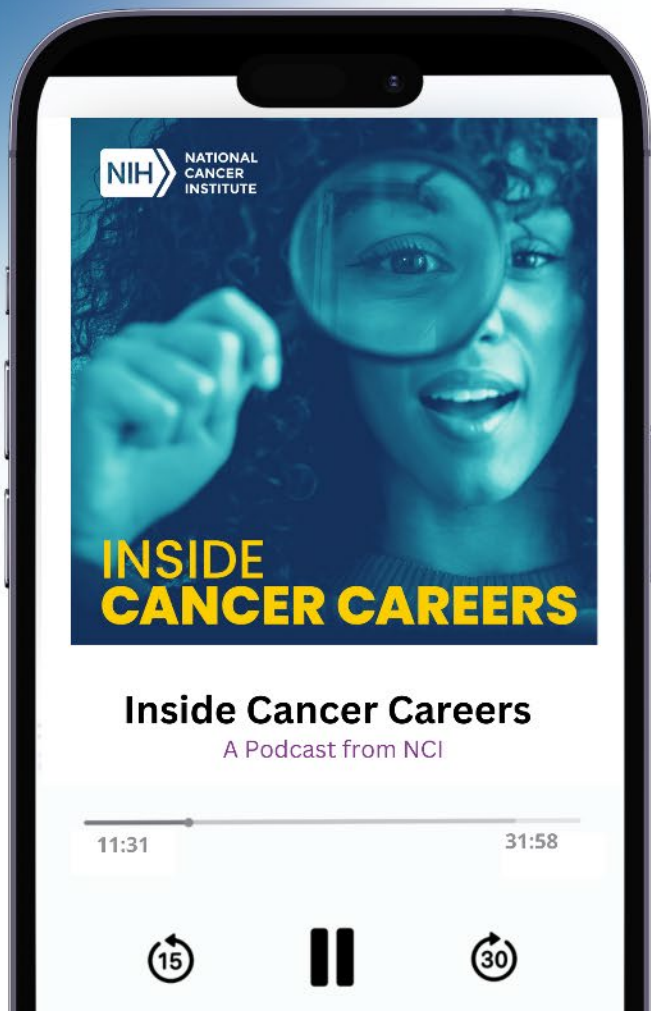
Tenure-track
Assistant Professor
(Independent Phase)

K22 Award

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



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.



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<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>



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Thank you for your attention

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