

NCI's Support of Early Career Cancer Investigators

Part 1: Overview & CCT

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Connect with us!

Optimize the Workforce: NCP → NCI → CCT

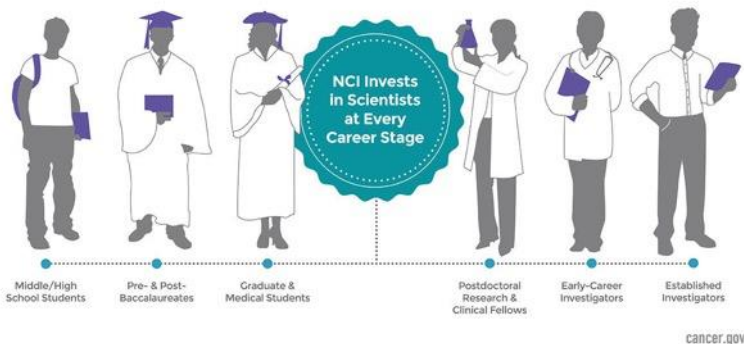
National Cancer Plan



Optimize the Workforce

The cancer care and research workforce is diverse, reflects the communities served, and meets the needs of all people with cancer and those at risk for cancer, ensuring they live longer and healthier lives.

SUPPORTING THE WORKFORCE



Center for Cancer Training



Oliver Bogler, PhD

Office of Training and Education (Intramural)



Erika Ginsburg, M.A.

Intramural Diversity Workforce Branch



Chanelle Case Borden, PhD (acting)

Cancer Training Branch (Extramural)

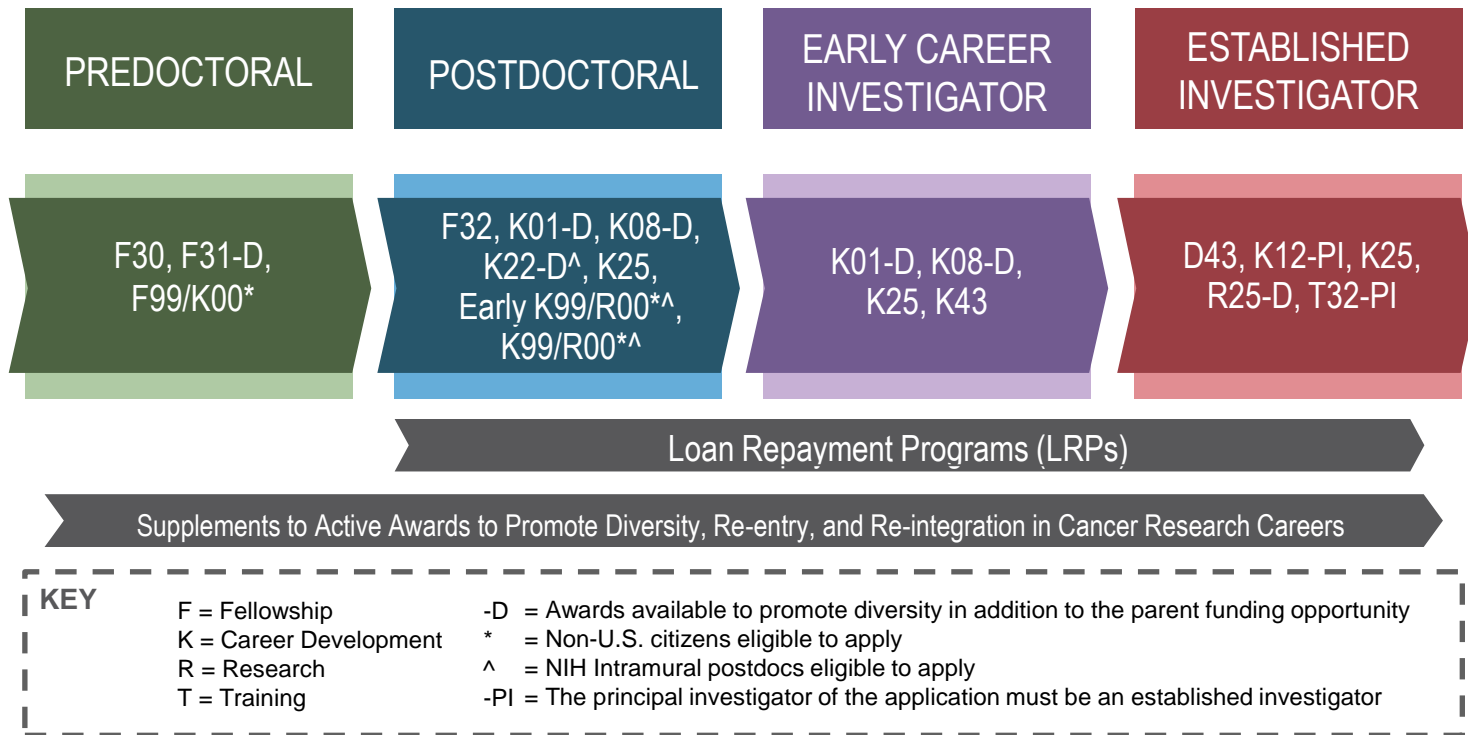


Nastaran Zahir, PhD

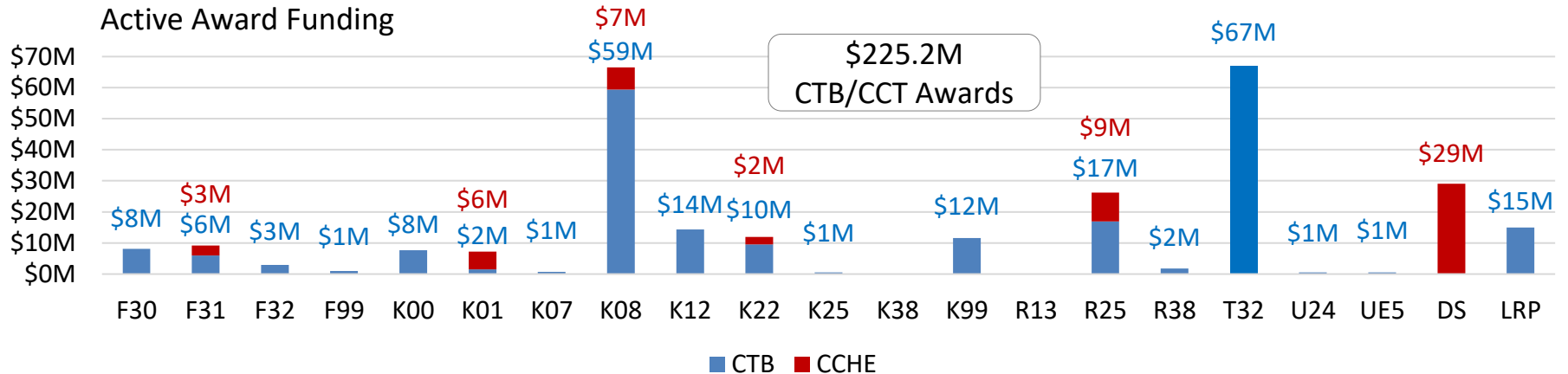
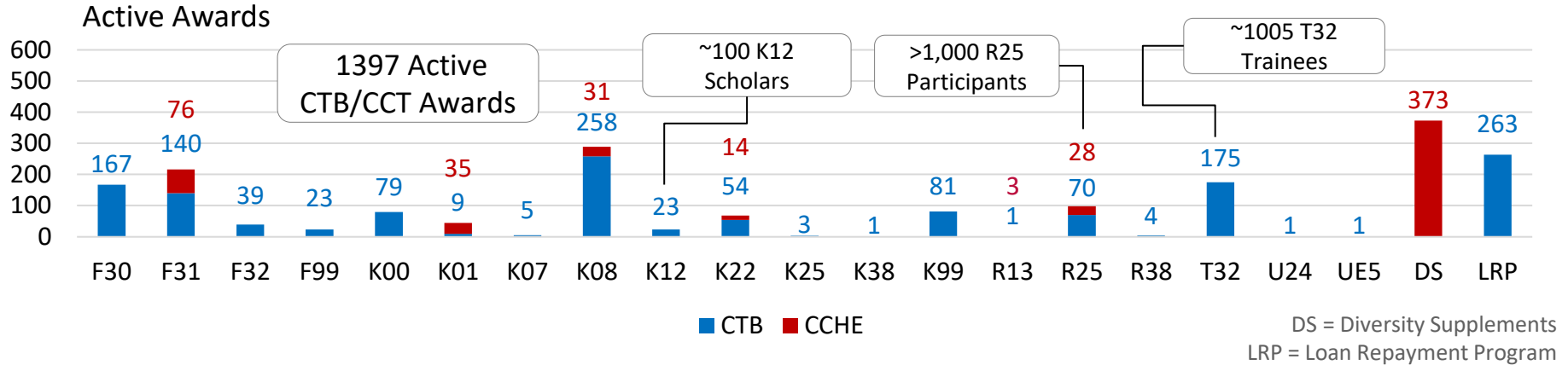
Mission: to catalyze the development of a 21st century workforce capable of advancing cancer research through a scientifically integrated approach.

NCI Funding Opportunities Early Career Investigators

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



NCI Portfolio Snapshot - August 2024



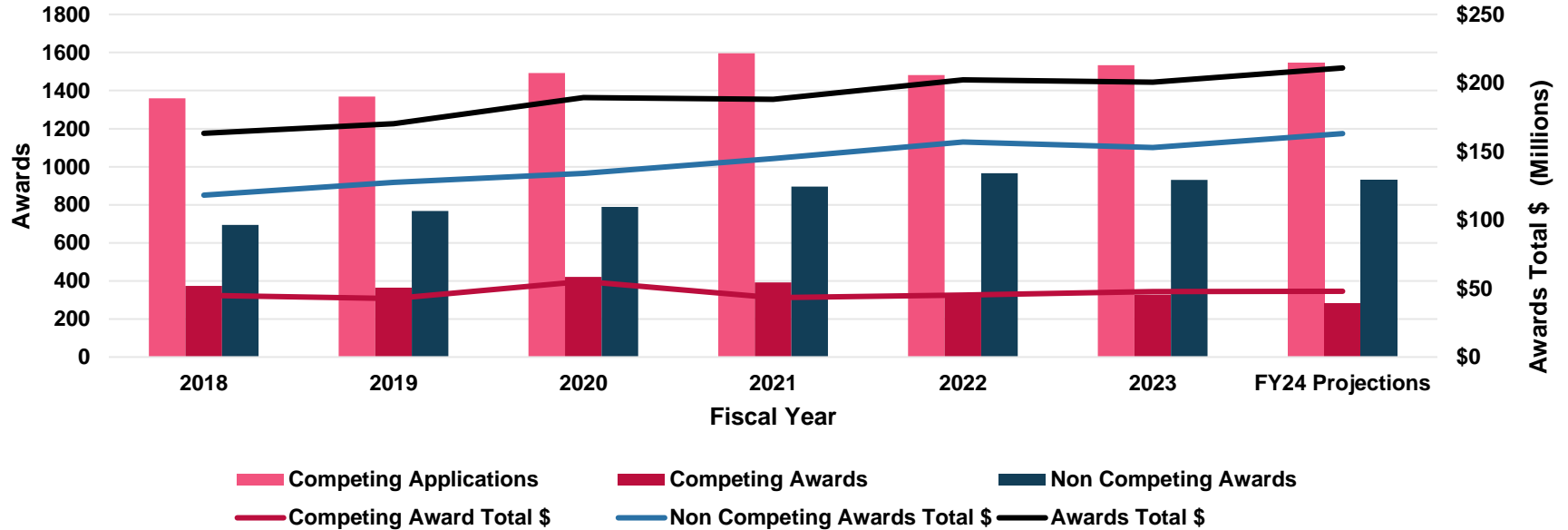
Updates from the Cancer Training Branch/ Center for Cancer Training

Nastaran Zahir, PhD

Branch Director, Cancer Training Branch

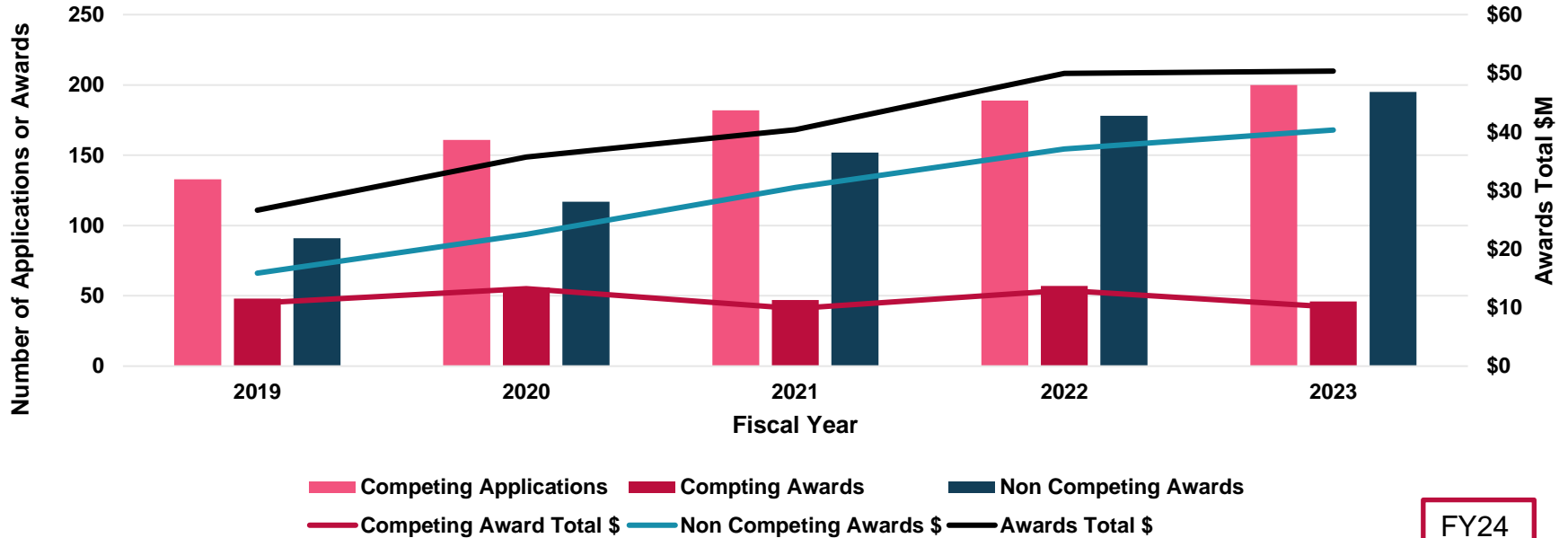


Cancer Training Branch Total Awards



All Awards	2018	2019	2020	2021	2022	2023	FY24 Projections
Competing Applications	1359	1369	1493	1596	1482	1533	1545
Competing Awards	374	365	421	393	324	329	286
Non Competing Awards	695	768	789	896	966	931	931
Total Awards	1069	1133	1210	1289	1290	1260	1217
Competing Award Total \$	\$45,100,765	\$42,702,104	\$55,331,448	\$43,280,217	\$45,381,694	\$47,739,159	\$47,953,039
Non Competing Awards Total \$	\$118,199,211	\$127,537,334	\$134,047,297	\$144,772,700	\$156,971,044	\$152,811,965	\$162,983,044
Awards Total \$	\$163,299,976	\$170,239,438	\$189,378,745	\$188,052,917	\$202,352,738	\$200,551,124	\$210,936,083

CTB K08 Awards

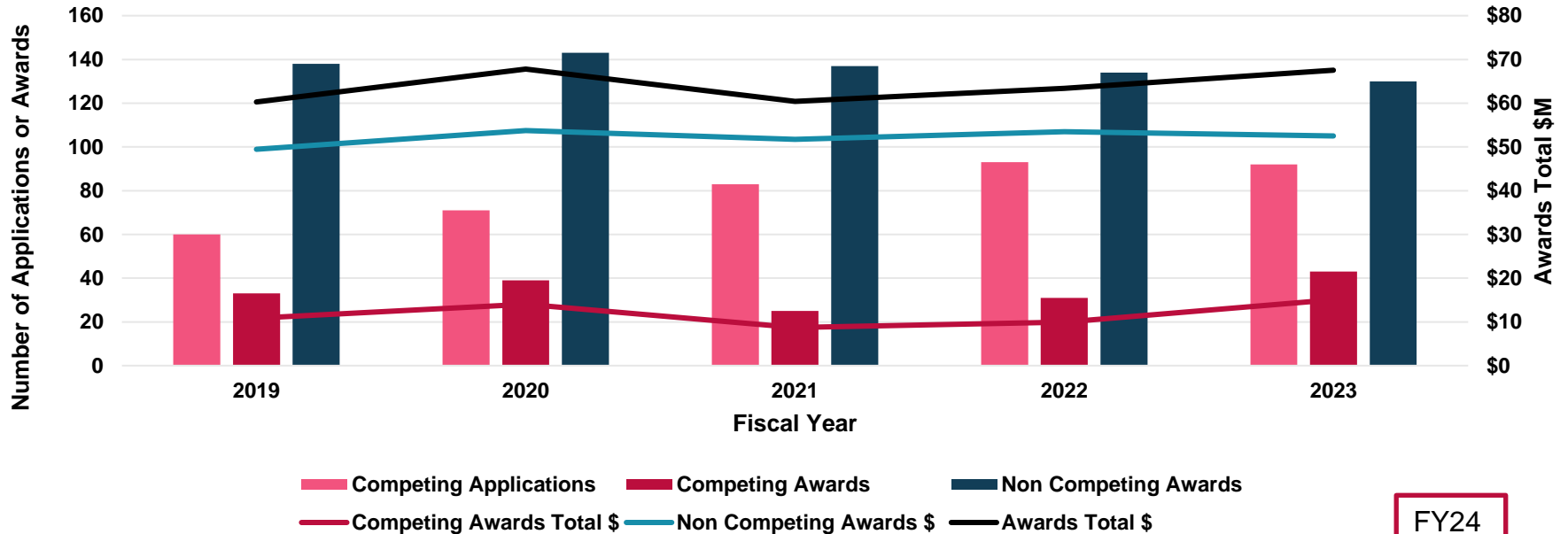


K08	2018	2019	2020	2021	2022	2023
Competing Applications	116	133	161	182	189	200
Competing Awards	41	48	56	47	57	46
Non Competing Awards	63	91	117	152	178	195
Total Awards	104	139	173	199	235	241
Competing Award Total \$	\$8,581,179	\$10,769,180	\$13,199,964	\$9,852,379	\$12,918,981	\$10,068,660
Non Competing Awards \$	\$9,623,235	\$15,862,711	\$22,506,762	\$30,504,412	\$37,070,957	\$40,291,086
Awards Total \$	\$18,204,414	\$26,631,891	\$35,706,726	\$40,356,791	\$49,989,938	\$50,359,746

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CTB T32 Awards



T32	2018	2019	2020	2021	2022	2023
Competing Applications	66	60	71	83	93	92
Competing Awards	37	33	39	25	31	43
Non Competing Awards	129	138	143	137	134	130
Total Awards	166	171	182	162	165	173
Competing Awards Total \$	\$11,139,213	\$10,824,174	\$14,030,097	\$8,711,742	\$9,943,326	\$15,039,524
Non Competing Awards \$	\$47,371,246	\$49,467,864	\$53,744,815	\$51,711,859	\$53,464,973	\$52,532,607
Awards Total \$	\$58,510,459	\$60,292,038	\$67,774,912	\$60,423,601	\$63,408,299	\$67,572,131

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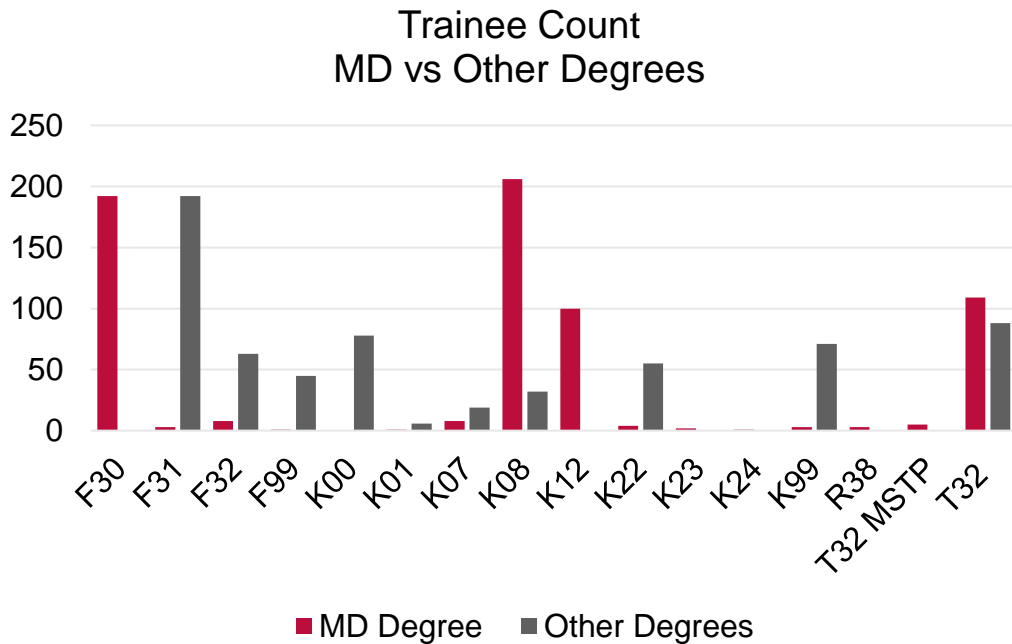
32

Funding Rates 3-Year Average (FY22-FY24)

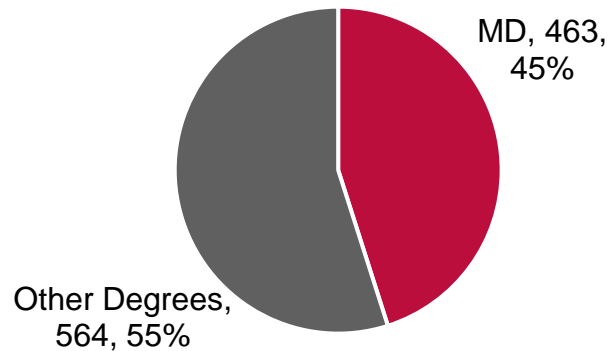
Program	Average Success Rate
F30	24%
F31	16%
F32	16%
F99/K00*	45%
K08	25%
K22	15%
Early K99/R00	25%
K99/R00	15%
R25	26%
T32	40%

* Application to the F99/K00 is limited to one nominee per institution/annual cycle – higher success rate reflects this pre-selection before application

What support is provided for clinician investigators by CTB/CCT?



Active Awards MD vs. Other Degrees



Snapshot of active awards as of 02/10/2023

A new NCI Mentored Research Scientist Development Award (K01)

In response to the cancer prevention and cancer control research communities' needs and in collaboration with DCP and DCCPS leadership, **CCT is participating in the parent NIH K01 funding opportunities, accepting applications within NCI mission interests of cancer prevention and cancer control and population sciences.** ([NOT-CA-24-020](#))

- Relevant Notices of Special Interest (NOSIs)
 - National Cancer Institute Supports Applications for the Mentored Research Scientist Development Awards (K01) **Within the Mission of the Division of Cancer Control and Population Sciences** ([NOT-CA-24-022](#))
 - National Cancer Institute Supports Applications for the Mentored Research Scientist Development Awards (K01) **Within the Mission of the Division of Cancer Prevention** ([NOT-CA-24-023](#))
 - **Eligible individuals:** postdoctoral fellows and non-tenured junior faculty (e.g., Assistant Professor or equivalent)
 - **Award project period:** Up to 5 years
 - **Salary support:** Up to \$100,000 plus fringe benefits per year
 - **Research support:** Up to \$50,000 per year

<https://www.cancer.gov/grants-training/training/funding/k01>

CCT Program Director: Dr. Sergey Radaev

Published an analysis of NCI K99/R00

SPRINGER LINK

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Evaluation of the National Cancer Institute (NCI) Pathway to Independence Award (K99/R00) Program

Open access | Published: 18 March 2024

(2024) [Cite this article](#)

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[Michael Schmidt](#), [Corinne Boulanger-Espeut](#), [Grace Liou](#), [Nan Ma](#), [Sasha Torres](#), [Susan Cersosimo](#), [Oliver Bogler](#) & [Nastaran Zahir](#) ✉

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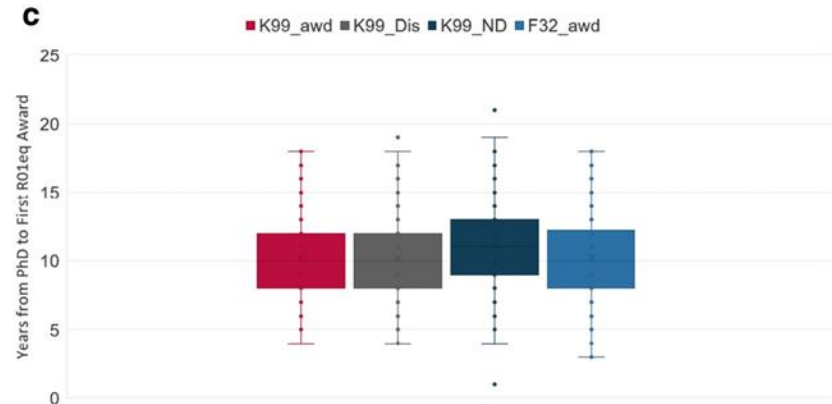
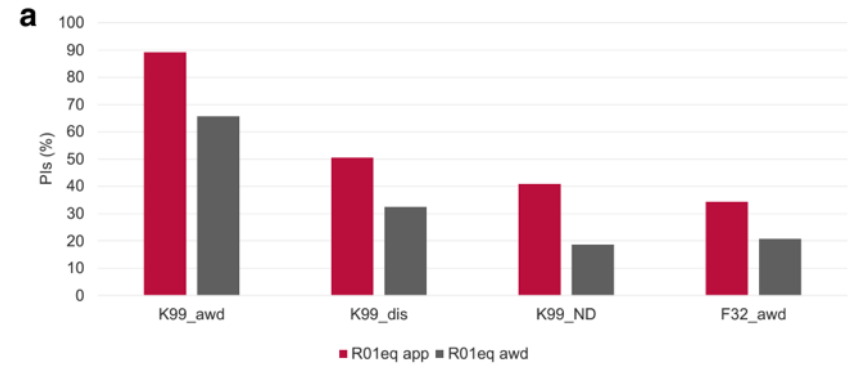
Avoid common mistakes on your manuscript.



Schmidt et al. J Cancer Educ. 2024

NCI's K99/R00 – key findings

- Analysis of NCI K99/R00 showed
 - Strong downstream funding – panel a shows R01equivalent application and award rate for K99 awardees and control groups
 - Awardees competed well in job market - 95% transitioned to independence
 - BUT – it did not accelerate towards independence



Upcoming Changes to NCI K99/R00 and NCI K22 Awards

- The NCI K99/R00 award will be a separate Program Announcement (PAR) expanding the eligibility window from 4 years to 6 years of postdoctoral research training experience.
 - <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-24-077.html> - notice of Intent to Publish
 - Notice of Funding Opportunity publication expected November 1, 2024.
 - First anticipated application due date February 14, 2025.
 - Earliest estimated award date is January 2, 2026.
 - Earliest estimated start date is January 2, 2026.
- The NCI K22 (PAR-24-117) award will sunset effective November 13, 2025.
 - <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-24-079.html> - notice of expiration has been published
 - Applications will be accepted until November 2025.

Updates from the Office of Training and Education/ Center for Cancer Training

Erika Ginsburg, M.A.

Branch Director, Office of Training and Education



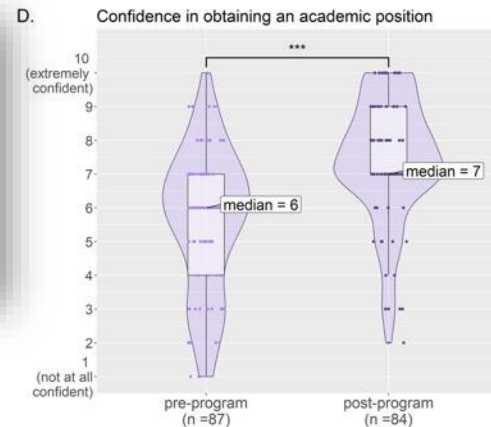
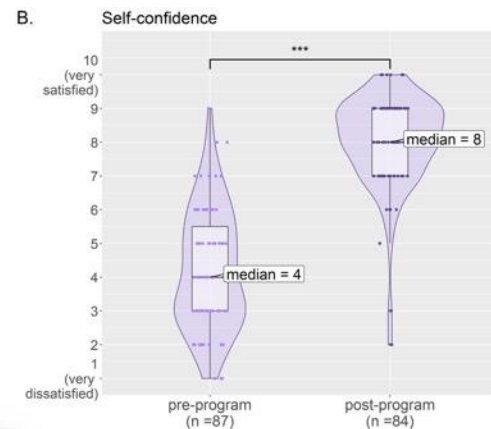
Sallie Rosen Kaplan Postdoctoral Fellowship for Women Scientists in Cancer Research

An 8-month immersive leadership cohort-based program to retain women in independent biomedical positions

Participants competitively selected from within NCI's Intramural Research Program

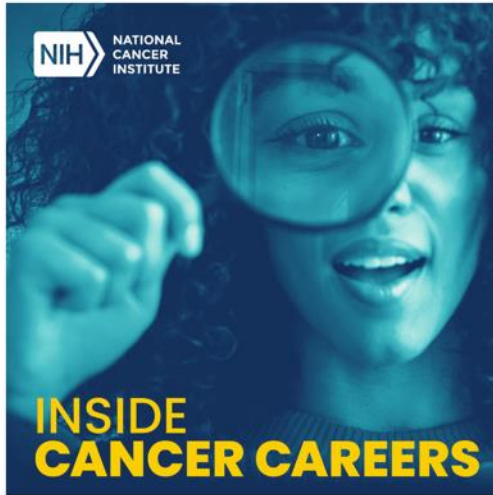
Results show improvements in

- Confidence
- Time management
- Work-life balance
- Communication
- Relationship-building



Beyond the IRP & grants: a Podcast & an AI powered App

Every 1st & 3rd Thursday



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

An advertisement for the 'Nanci' app. The background is dark blue. At the top, the word 'Nanci' is written in blue, with a red speech bubble containing three white dots as the letter 'i'. Below it, 'by NCI' is written in white. The main text reads: 'A new mobile app to enhance and personalize your cancer training experience'. Below this is a list of three bullet points: 'Connect with people in your field', 'Explore events happening at NCI', and 'Discover scientific papers relevant to you!'. A QR code is positioned below the list, with the text 'SCAN TO DOWNLOAD' underneath it. On the right, a hand holds a smartphone displaying the app's interface, which features the same red speech bubble logo. In the bottom right corner, there is an Apple logo and the text 'Download on the App Store'. The NIH logo and 'NATIONAL CANCER INSTITUTE' are visible in the bottom left corner of the ad.

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

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Center for Cancer Training and connect with us:



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