



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



Awards to Support Trainees: Funding for Training the Next Generation of Cancer Researchers

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DCB New Grantee Workshop

January 11, 2023

Access our flyer for Cancer Training Funding Opportunities! <https://www.cancer.gov/grants-training/training/funding/cancer-training-funding-opportunities>

NCI Extramural 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

Chief: 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

Chief: Behrouz Davani, PhD

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

Center for Global Health

Awards intended for mentored training in global cancer research

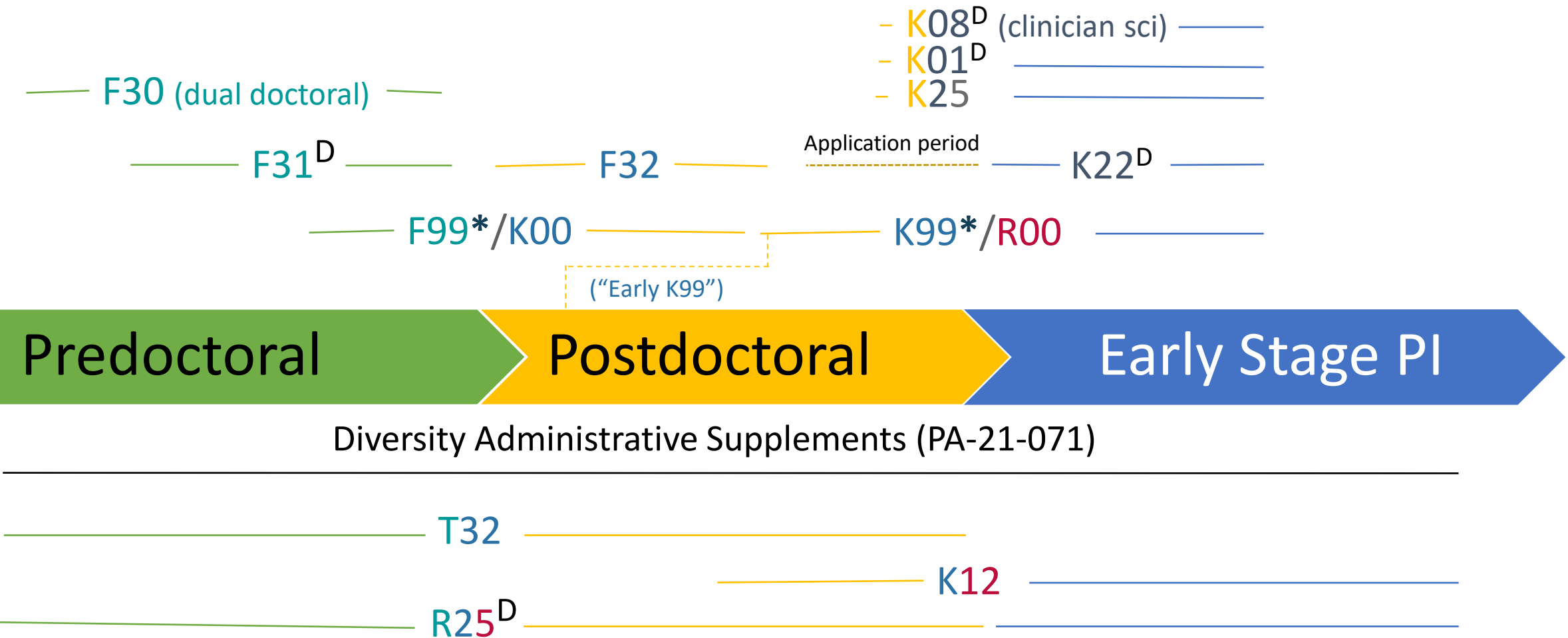
- Institutional Capacity Building and Mentored Training
- International Research Scientist Development Award

Program Director: Sudha Sivaram, DrPH, MPH

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

NCI Supports Cancer Training at Multiple Career Stages

Loan Repayment Programs (LRP) <https://www.lrp.nih.gov/>



F33 K18 K38

*Open to Applicants with U.S. Visas

^D Diversity FOA available CRCHD

• <https://www.cancer.gov/grants-training/training/funding>
• <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure> 109

Newly Launched Chat Bot to Find Funding Opportunities

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

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Resources for Trainees

Funding for Cancer Training

NCI F30 Award

NCI F31 Award

NCI F32 Award

NCI F33 Award

NCI F99/K00 Award

NCI K08 Award

NCI K12 Award

NCI K22 Award

NCI K25 Award

NCI K99 Award

NCI Early K99 Award

NCI R25 Award

NCI T32 Award

NCI UE5 Award

NCI U24 Award

NCI NOT-OD-20-054 Supplement

Early Stage

Funding for Cancer Training

The National Cancer Institute (NCI) supports fellowships, research career development awards, and training/education research in all areas of cancer research, including cancer prevention, control, behavioral sciences, population sciences, and translational research, at universities and institutions across the country. The Cancer Training Branch manages the training and education awards listed below.

Email: ncictbfoa@mail.nih.gov

New Download the PDF "The Grants Process, Lifecycle of a Grant"

[Find Recent NIH Policy Statements and Notices](#)

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Name	Award Type	Program Director(s)	Discipline(s)	Career Stage
F30- Ruth L. Kirschstein National Research	Fellowship	Dr. Mark Damico Dr.	All Cancer Research	Predoctoral

All opportunities require U.S. citizenship or permanent residency except the F99/K00 and K99/R00 awards which are open to non-U.S. citizens.

Find Funding

Find Funding

just now

NCI offers fellowships, research career development awards and education and training grants in all areas of cancer research. Each opportunity has certain eligibility criteria. May I help you find funding opportunities you could apply for?

Yes

No

Please pick an option.

Close Chat

Find Funding

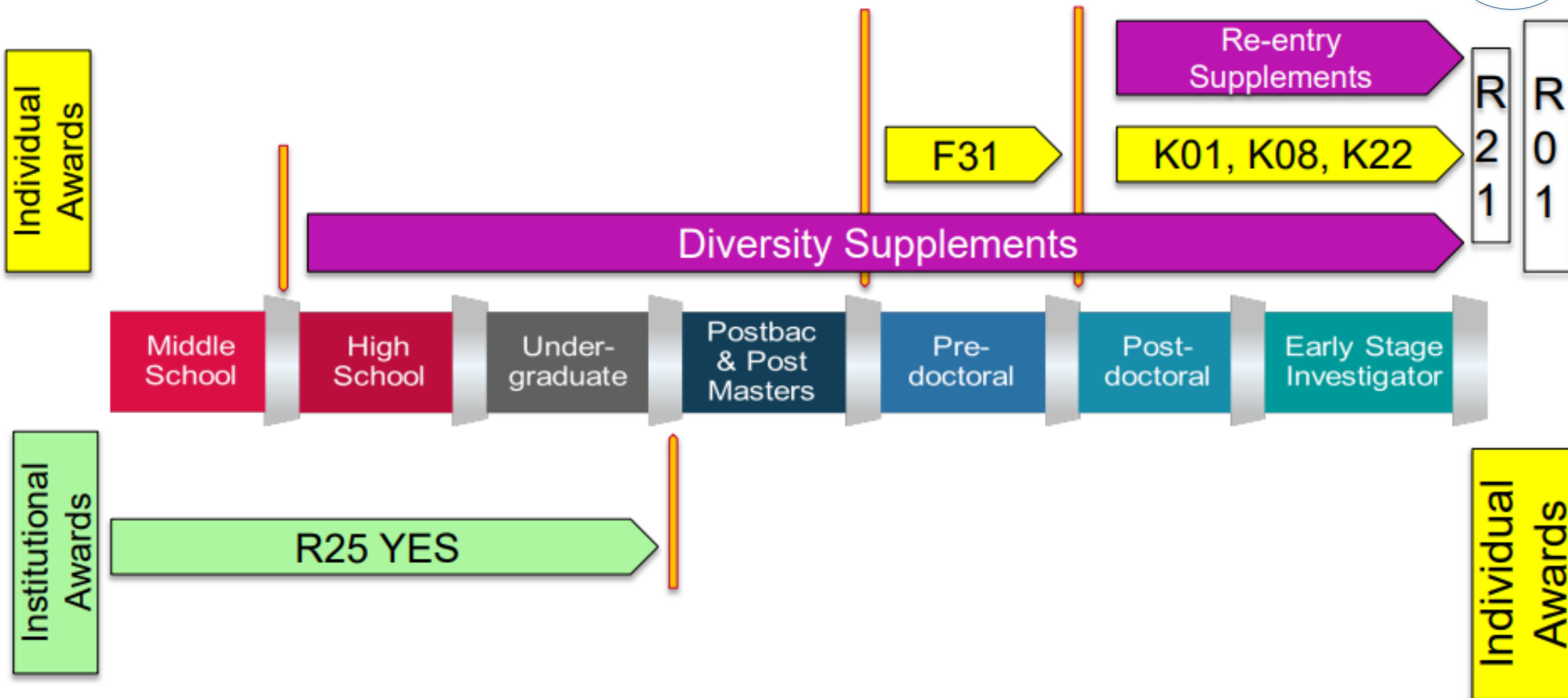
You may be eligible for the following programs:

- Individual Predoctoral Fellowship to Promote Diversity (F31-Diversity).
- Individual Predoctoral MD/PhD Degree Fellows (F30).
- Individual Predoctoral Fellows (F31).
- Predocutorial to Postdoctoral Fellow Transition Award (F99/K00).
- Institutional Research Training Grant (T32) trainee

Click to continue

Close Chat

NCI CRCHD's CURE Funding Mechanisms



Supplements within the CURE: Diversity and Re-Entry/Re-Integration



- Each supplement supports research experience of one **identified** trainee
- Parent grant must have **at least two years** of active status at the time of supplement application; some exceptions are granted by CRCHD
- A **bridge** for candidates to progress to next academic/career level
- Application receipt: **Oct 1 – Dec 1** and **Feb 1 – Mar 31**

Contact

Dr. Belem Lopez

CUREsupplements@nih.gov



Diversity and Re-Entry/Re-Integration Supplements

Overview

FOA	Participants
<p>Research Supplements to Promote Diversity in Health-Related Research (PA-21-071)</p> <ul style="list-style-type: none"> • https://grants.nih.gov/grants/guide/pa-files/PA-21-071.html • http://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/DSGuidelines 	<ul style="list-style-type: none"> • Underrepresented populations • High school students through to investigators
<p>NOSI: Research Supplements to Promote Re-Entry and Re-Integration into Health-Related Research Careers (NOT-OD-21-134)</p> <ul style="list-style-type: none"> • https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-134.html • https://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/reentry-supplements-guidelines 	<ul style="list-style-type: none"> • All populations • Re-entry supplement: <ul style="list-style-type: none"> ➤ On hiatus from research for 1-8 years hiatus from research ➤ Postdoctoral fellow or faculty before hiatus • Re-integration supplement: <ul style="list-style-type: none"> ➤ Graduate students and postdocs ➤ Individuals adversely affected by unsafe or discriminatory environments due to unlawful harassment who need to make a rapid transition

F99/K00 Predoc to Postdoc Fellow Transition Award



Eligibility

- Open to 3rd and 4th year health-related Ph.D. students.
- International students and F31 applicants/awardees are eligible
- 1 nominee per institution

Funding

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

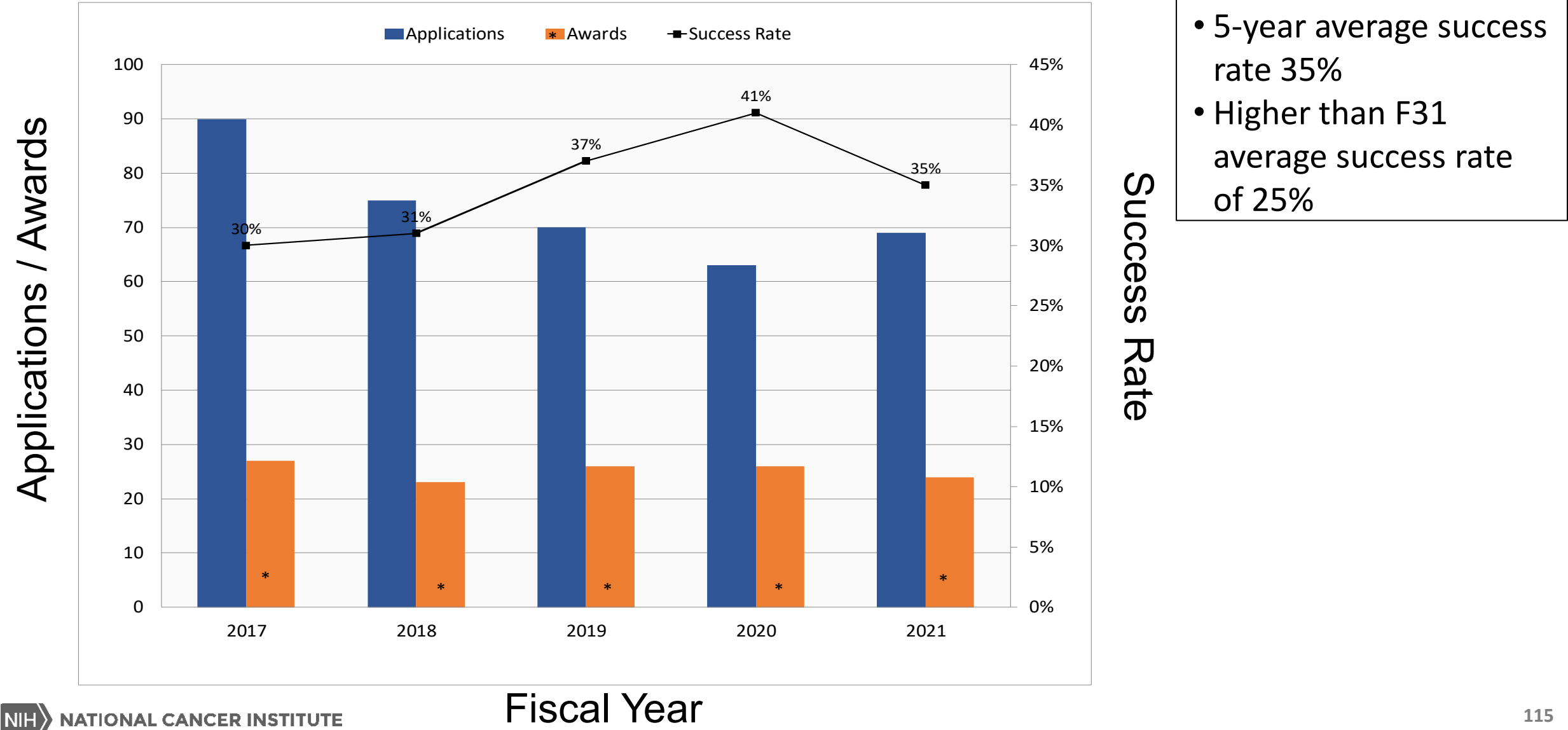
- Stipend, Tuition, and Training Related Expenses similar to F31

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

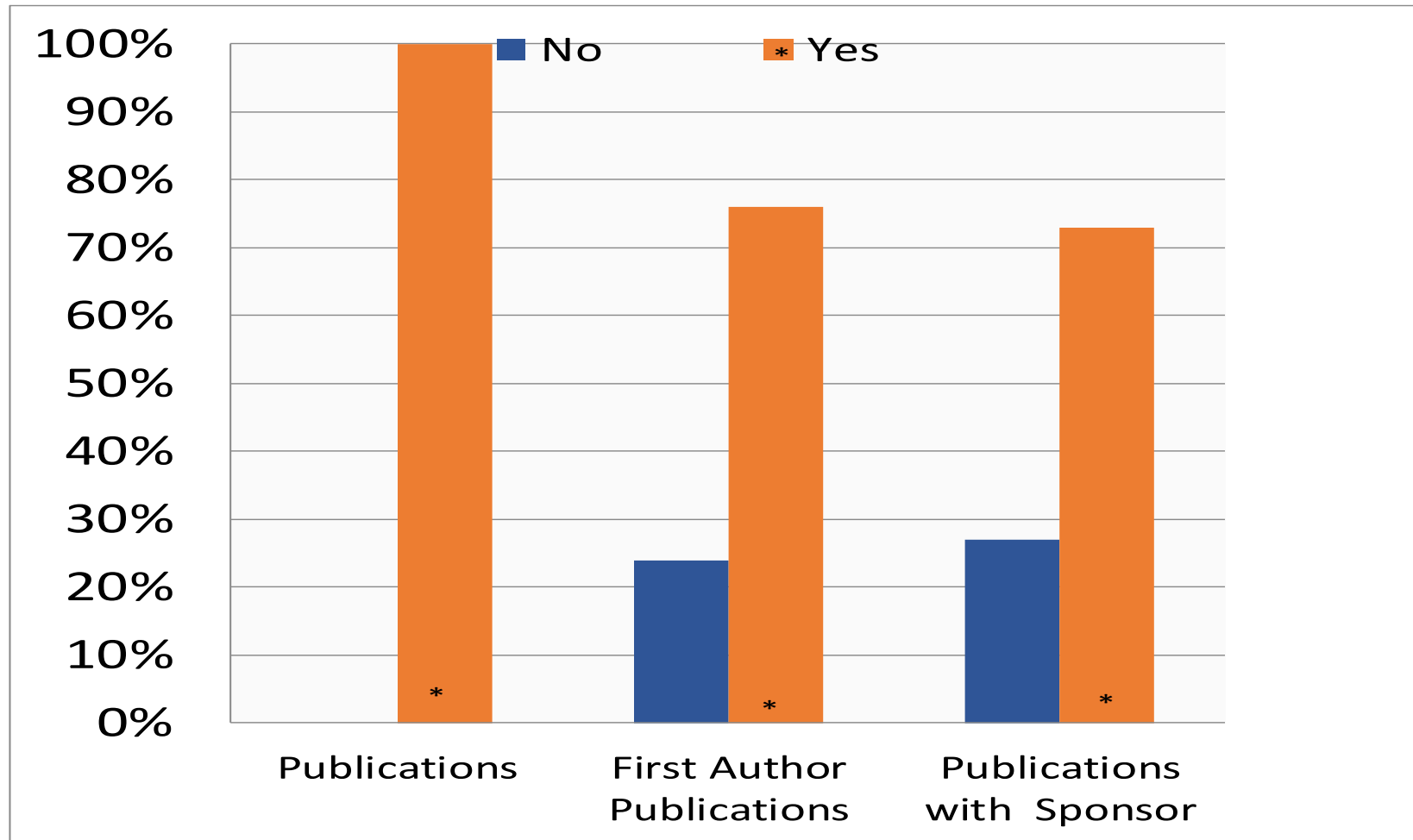
- Salary with annual increases

There is only one application due date (November) per year for this Funding Opportunity Announcement

F99 Applications, Awards and Success Rates



F99 Awardee Profiles



Characteristics

- F99 awardees are typically in the 4th year of the PhD program
- Many of them were F31 fellows
- F31 awardees generally have fewer publications (39% have 1st author pubs and 43% have pubs with their sponsor)

Ruth L. Kirschstein National Research Service Award (NRSA) *Individual Fellowships*

F30 Predoc

- Support predocs during clinical & graduate training leading to a **combined** doctoral degree (e.g., MD/PhD, DDS/PhD, DVM/PhD, AuD/PhD, DO/PhD)
- Enrolled in a **dual degree clinical program no more than 48 months prior to initial application** & must have identified a dissertation project & sponsor
- At least 50% of the award period must be devoted to full-time graduate research training leading to the research doctoral degree

[Learn more](#)

F31 Predoc

- **F31** supports PhD research candidates who have identified a mentor & will be performing dissertation research
- **Diversity F31:** supports both dual degree and PhD only predocs from diverse groups under-represented in the biomedical or behavioral sciences
- Typical time to apply for an F31 is when a thesis proposal has been approved

[Learn more](#)

F32 Postdoc

- Supports mentored postdoctoral training under the guidance of a faculty sponsor
- Fellows must have a research or clinical doctoral degree from an accredited US or foreign institution
- Integrated program of research & mentored training to enhance potential to develop into an independent researcher
- Currently limited to total of 3 years but extensions can be requested

[Learn more](#)

All fellowships require references from individuals other than primary mentor(s)

Fellowship Applications: Factors to Consider

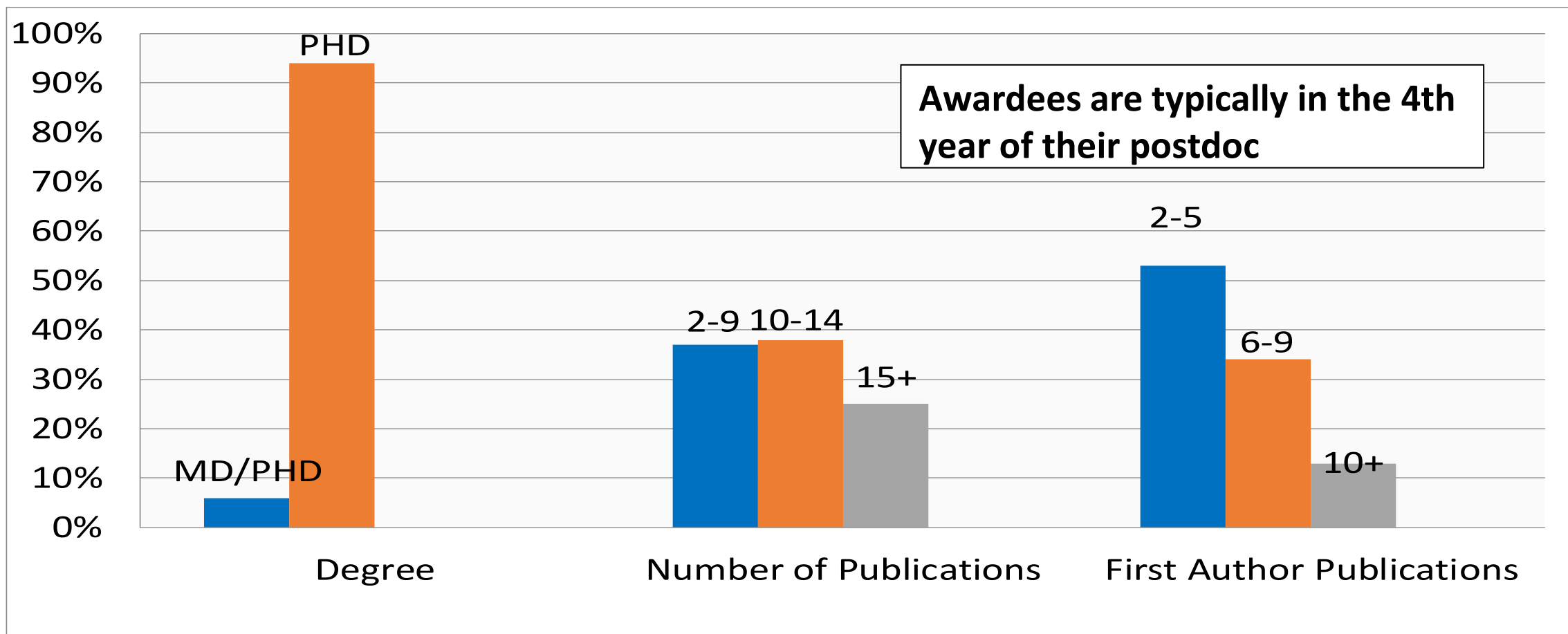
- NCI requires that the sponsor have research funding (R01 or equivalent) because fellowships do not fund the research project
- Research training that has a clear cancer focus
- Typical timing of submission
 - F30: year 4 of a dual-degree program
 - F31: year 3 of a PhD program
 - F99/K00: year 4 of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

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

K99 Awardee Profile



Characteristics

Criteria for Successful Mentored Career Award Applications

- Candidate: motivated, well-trained, productive
- Mentor(s): strong mentoring and funding track record, highly qualified, committed to support the candidate
- Career development/ training plan: meaningful training in research and professional development
- Research plan: innovative, good training platform/ vehicle for transition to independence (high feasibility/ high impact; niche for applicant's own lab)
- Convince reviewers that: the research qualifications are appropriate (training/experience); there is potential for independence (collaborations, teaching, mentoring); there is potential to make important contributions to the field

Tips for Mentors/Sponsors on Career Award Applications

- Identify co-mentor(s)/ co-sponsor(s)
- Co-mentor(s) should have a clearly defined role in the application
- Develop a training plan/career development plan that is tailored to the needs of the applicant/candidate.
- Be actively involved in the grant preparation process
 - grantsmanship issues = poor mentoring
- Avoid scientific overlap + no text duplication from R01

Funding Rates 5 Year Averages (FY18-FY22)

Program	# of Applications/yr	# of Awards/yr	Success Rate
F30	164	63	39%
F31	389	88	23%
F32	198	42	21%
F99	66	25	39%
K08	156	50	32%
Early K99	44	12	28%
K99	199	32	16%
K22	115	16	14%
K12	11	5	51%
R25	30	10	36%
T32	75	33	46%

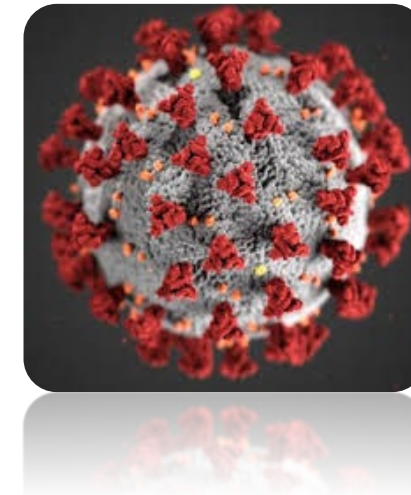
~1500

~400

program active for 3 years

For early-stage investigators whose research productivity has been impacted by COVID-19 during their NIH ESI period

- Submit a request for an extension to NIH ESI status and describe the nature of the disruption to research productivity in the request.
- Link in the Education section of the PI's Personal Profile in [eRA Commons](#).
- NIH will consider requests to extend the ESI status period for reasons that can include the following, as determined on a case-by-case basis at the sole discretion of NIH.
 - Medical concerns
 - Disability
 - Family care responsibilities
 - Natural disasters
 - Active-duty military service



- <https://nexus.od.nih.gov/all/2020/04/09/can-esi-status-be-extended-due-to-disruptions-from-covid-19/>
- https://era.nih.gov/erahelp/ESIE_ext/Default.htm#csid=4



Thank you for your attention

Email nas.zahir@nih.gov

Twitter: @NCI_Training
@nas_zahir | @nci_bowler



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