

Brief Update from Cancer Training Branch, Center for Cancer Training

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K08: Mentored Career Development Awards for Clinical Scientists

- Objective:** To support clinical scientists for a mentored research career development experience leading to research independence
- Candidate:** Fellows and Non-tenured Junior Faculty; with clinical degree(s) and active licensure; US citizenship or green card
- Research:** Basic, translational, and/or patient-oriented cancer-focused-research
- Award:** Up to \$100K/yr Salary plus fringe benefit;
Up to \$30K/yr research support;
Up to 5 years; >75% Professional effort (protected time)

K08 Portfolio Snapshot (2/21):
185 active awards \$38.8M / year commitment

K08 Funding Rates – 5 Year Average (2016-20)		
# of Applications/yr	# of Awards/yr	Success Rate
104	36	35%

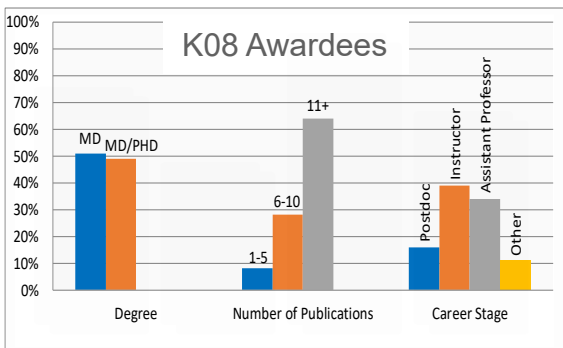


Table #204
NIH CAREER DEVELOPMENT (K) GRANTS
Competing Applications, Awards, Success Rates and Total Funding
by Activity Code and NIH Institutes/Centers
Made with Direct Budget Authority Funds
Fiscal Years 2011 - 2020

*Excludes applications and awards issued using supplemental Coronavirus (COVID-19) appropriations.

Fiscal Year	Activity Code	NIH Institute / Center	Number of Applications Reviewed	Number of Applications Awarded	Success Rate ¹	Total Funding ²
2016	K08	NCI	64	20	31.3%	\$3,392,677
2017	K08	NCI	56	19	33.9%	\$3,184,364
2018	K08	NCI	125	46	36.8%	\$9,843,540
2019	K08	NCI	146	52	35.6%	\$11,807,330
2020	K08	NCI	172	65	37.8%	\$15,281,922

Change to K08 effort requirement of below 75% (but above 50%) for surgeon scientists under consideration

T32: Institutional Training Grant

Objective: Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to help ensure a diverse and highly trained next generation scientists in health-related research field.

PD/PI: Training Program Director should be established investigator(s) with research funding, strong training record, and administrative experience.

Research: All cancer research

Trainees: Predoctoral and Postdoctoral Fellows; US Citizens or permanent residents

Award: Up to 5 years award, Renewable. Stipends; Tuition and fees; Training Related Expenses; Full-time effort

Radiation Oncology

Training Program in Free Radical and Radiation Biology

[2.T32CA078586-21](#) [SPITZ, DOUGLAS ROBERT](#) UNIVERSITY OF IOWA 2020 NCI NCI \$326,251

UW Radiological Sciences Training Program

[5.T32CA009206-42](#) [HALL, TIMOTHY J.](#) UNIVERSITY OF WISCONSIN-MADISON 2020 NCI NCI \$357,243

T32 Portfolio Snapshot (2/21)
190 active awards
\$67.2M / yr commitment

T32 Funding Rates – 5 Year Average (2016-20)

# of Applications/yr	# of Awards/yr	Success Rate
68	36	53%

Typical T32:

- Average Size 6.9 trainees, \$356K
- 10 Predoc only T32s
- 79 Postdoc only T32s
 - 32 are Physician Scientists Specific
- 61 Pre & Postdoc T32s
- As of 2020 NCI no longer requires a specific ratio of predocs to postdocs



Funding Rates – 5 Year Average (2016-20)

Program	# of Applications/yr	# of Awards/yr	Success Rate
F30	153	63	41%
F31	311	76	25%
F32	216	49	23%
F33*	1	1	100%
F99	75	28	37%
K08	104	36	35%
K99	192	37	20%
K22	96	16	14%
K12	7	4	65%
R25	27	11	43%
T32	68	36	53%
U24*	3	1	33%
UE4*	16	5	31%

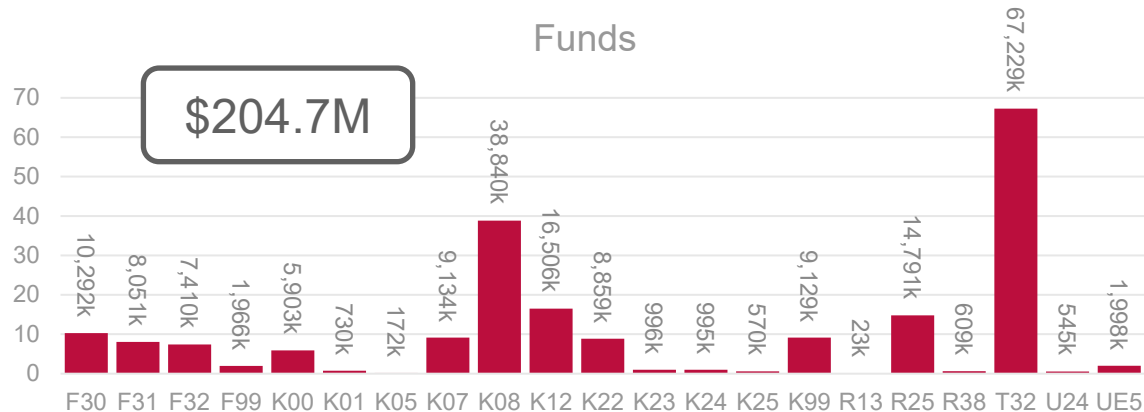
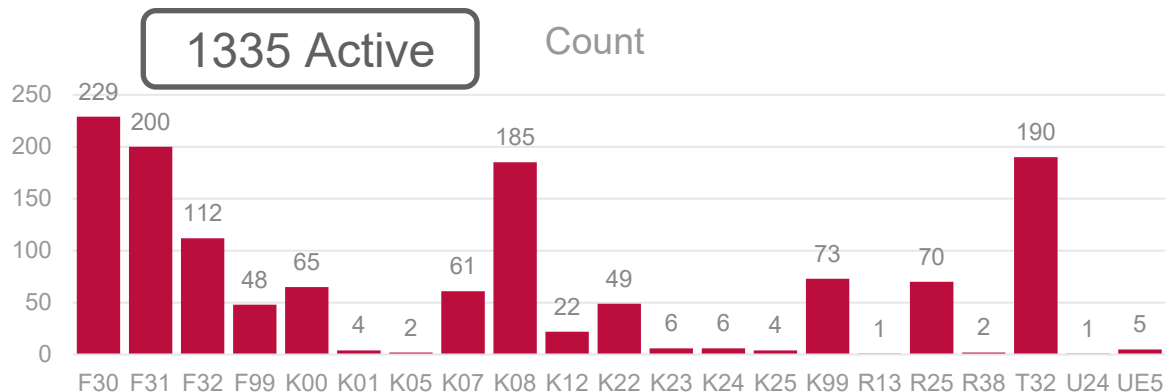
Training and Research Career Development Programs

1. Postdoctoral fellowships (F32s): Applications, awards, success rates, and funding, by degree of applicant (~48KB)
2. Research Training Grants (Ts): Competing applications, awards, success rates, and funding, by activity code and Institute/Center (~48KB)
3. Fellowships (Fs): Competing applications, awards, success rates, and funding, by activity code and Institute/Center (~39KB)
4. Career Development Awards (Ks): Competing applications, awards, success rates, and funding, by activity code and Institute/Center (~210KB)

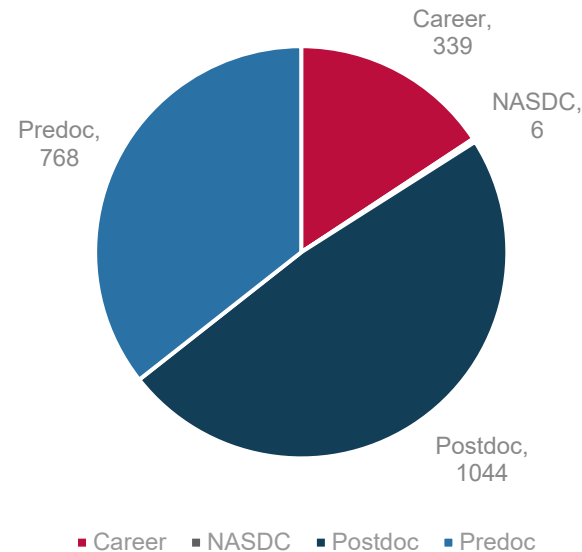
<https://report.nih.gov/funding/nih-budget-and-spending-data-past-fiscal-years/success-rates>

* Programs with 1 year of data only

Portfolio Snapshot – Feb 2021



Career Stages of Trainees
(numbers fluctuate continuously)



>1,000 R25 participants
~200 LRP awardees (\$10M)

Recent Highlights

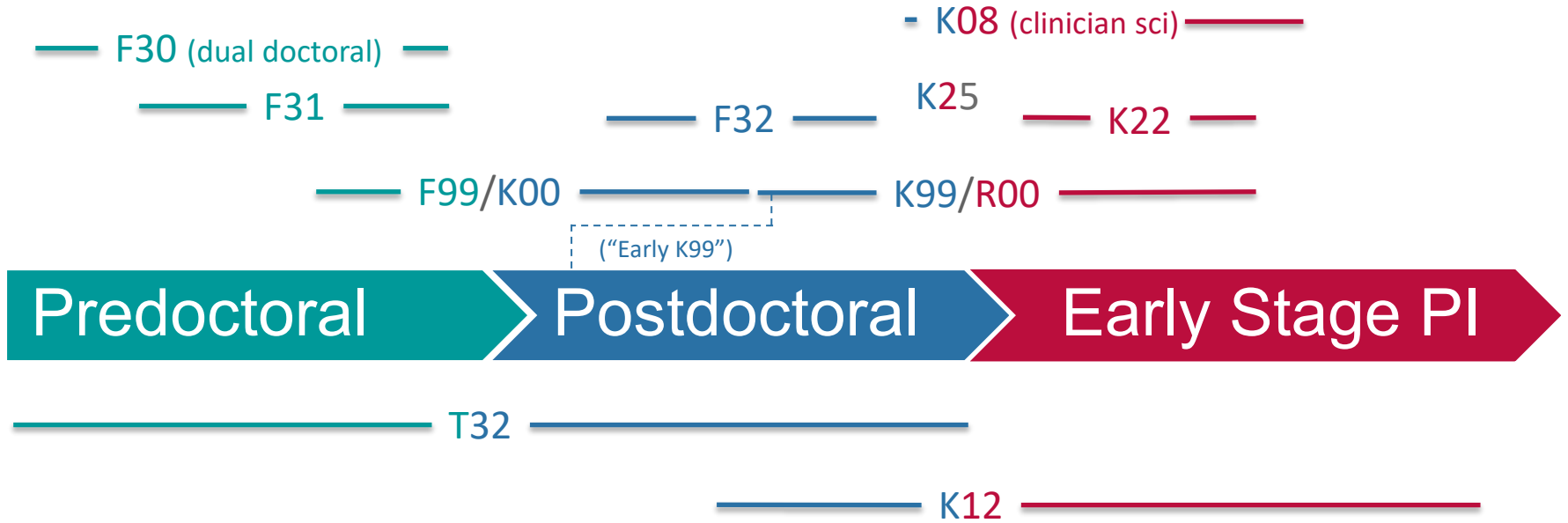
- Recent Highlights

- Launch of NCI Awardee Skills Development Consortium (NASDC): Research Education Short Courses (UE5)
- NCI rejoined K25 for investigators with quantitative scientific and engineering backgrounds
- Reissue the NCI K22 award FOAs
- Renewal of F99/K00 RFA approved

- Changes to Mechanisms:

- T32 postdoc:predoc 3:1 ratio removed
- Enhanced K12 Mentor & Scholar community with support for an annual meeting
- K08 effort requirement of below 75% (but above 50%) for surgeon scientists under consideration

Support for Training at Different Career Stages



LRP F33 R25

UE5 U24 (NASDC) started 4/1/2020



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