

# **NCI Training Awards for Trainees**

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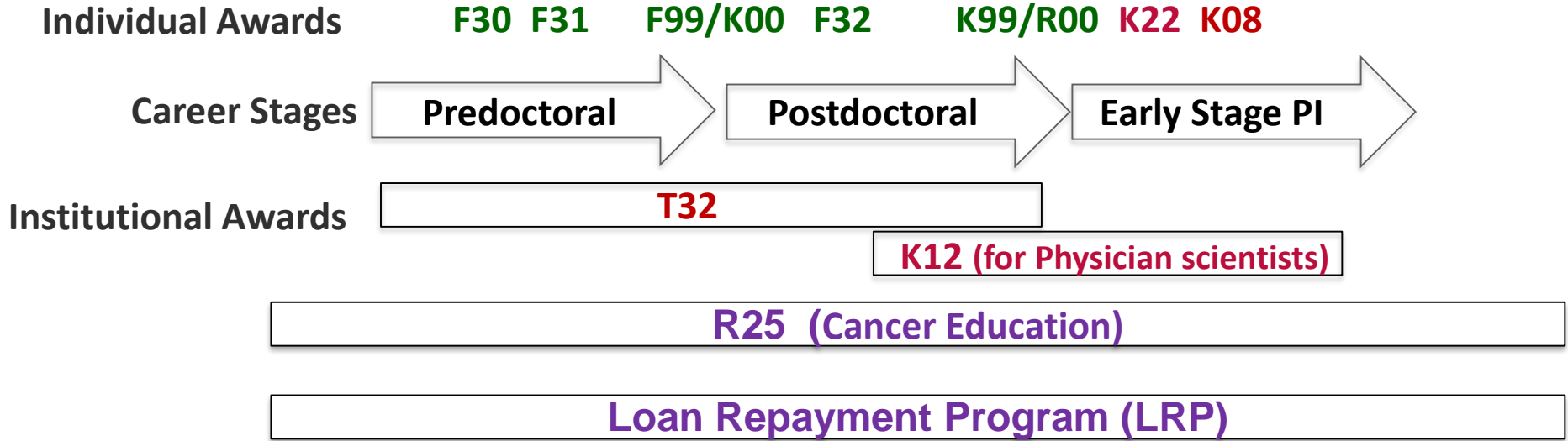
**NGW '18**  
**01-24-2018**

# Question: Who Will Have the Biggest Impact to Your Research Career?

**Answer:**

- A. Colleagues/Collaborators
- B. Department Chair/Dean
- C. R01 Program Director(s)
- D. Students/Trainees**

# Support for Training at Different Career Stages



**Funding Rates**

**Characteristics of Awardees**

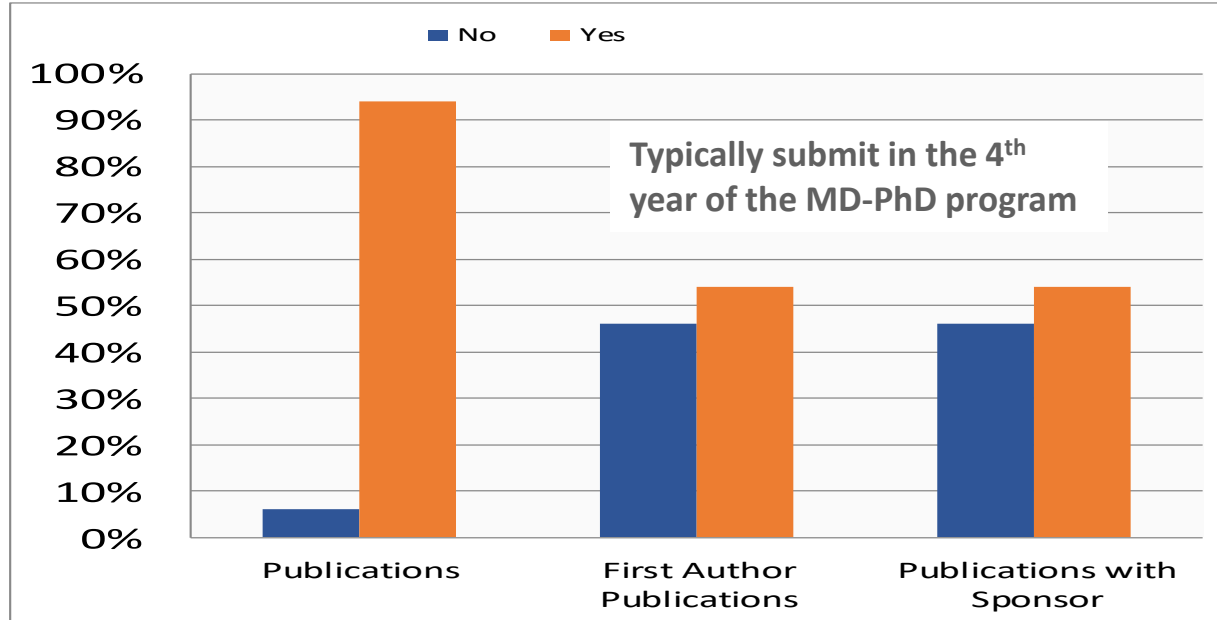
**Suggestions**

# Training Mechanisms Are Supported with Healthy Funding Rates

Mechs	Candidate	Training Objective	Success Rate
F30	MD/PhD Students	Dissertation Research	39% (40%)
F31	PhD Students	Dissertation Research	24% (26%)
F99/K00	Nominated PhD Students	Dissertation Research/ Pursuing Career as PI*	30% (38%)
F32	1-3 yr Postdocs	Advanced Training	25% (19%)
K99/R00	3-4 yr Postdocs	Transition to PI	26% (25%)

# F30 Pre-doctoral Fellow Characteristics

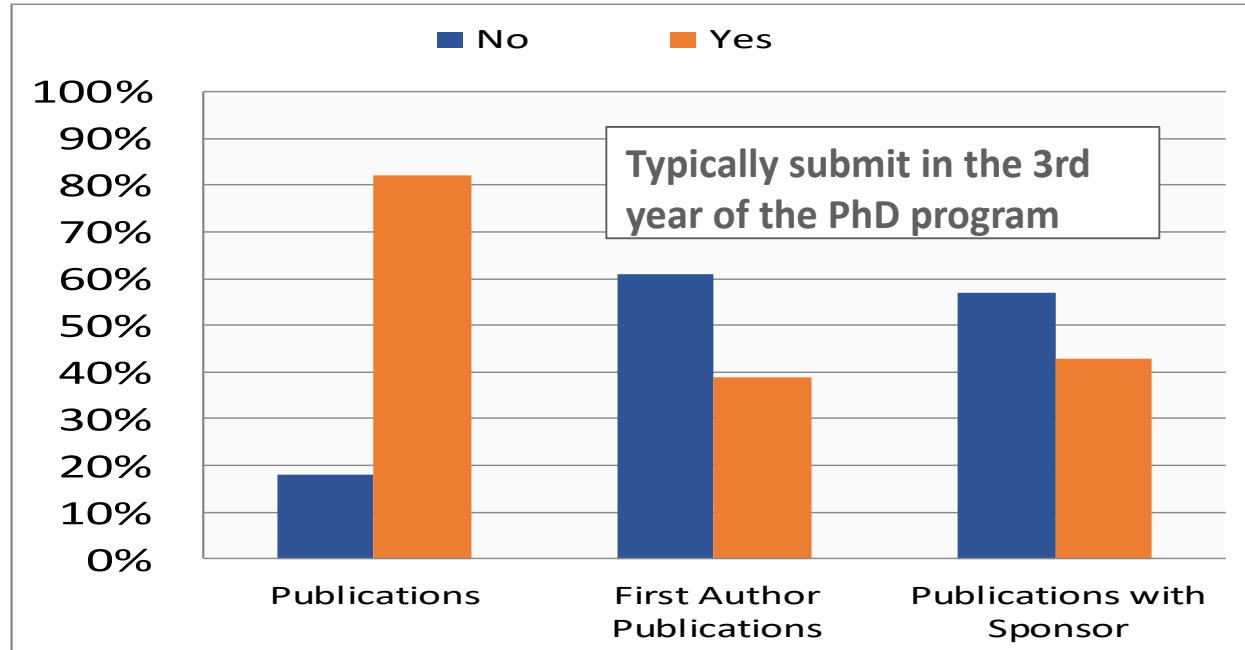
- Enrolled in dual degree (e.g., MD/PhD) programs
- US Citizens or Permanent Residents



## Characteristics

# F31 Pre-doctoral Fellow Characteristics

- Enrolled in research doctoral degree (e.g., PhD) programs
- US Citizens or Permanent Residents



## Characteristics

# F99/K00 Transition Award for Graduate Students Interested in Independent Research Careers

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- **Dual phase funding: support for up to 2 years for 3<sup>rd</sup>/4<sup>th</sup>-year students, and 4 years for postdoctoral training**



- **Institutional Nomination of Applicants: one nomination per institution each year to strengthen institutional input in the selection process**
- **Open to the best international students, removing one NRSA restriction considered outdated by the research community**
- **The K00 fellows, from the first day as postdocs, will be employees with family and retirement benefits etc.**

# ***F99/K00 Year 1-2 FY16&FY17 Portfolio Analysis***

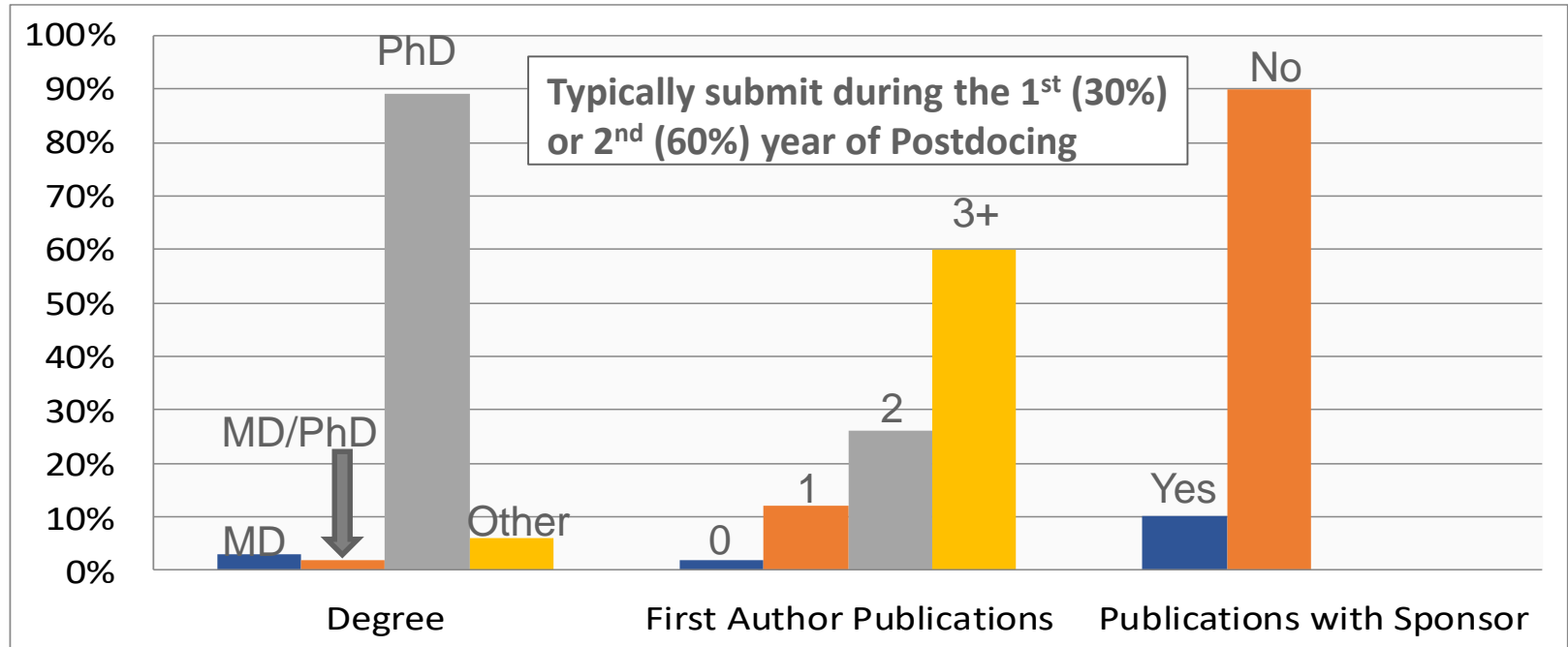
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	<b>Applications</b>	<b>Awards</b>	<b>Success Rate</b>
<b>Total</b>	<b>166</b>	<b>63</b>	<b>38%</b>
<b>International Students</b>	<b>52</b>	<b>16</b>	<b>31%</b>
<b>F31 Awardees</b>	<b>14</b>	<b>10</b>	<b>71%</b>
<b>F31 Applicants</b>	<b>33</b>	<b>16</b>	<b>48%</b>



# F32 Post-doctoral Fellow Characteristics

- US Citizens or Permanent Residents



## Characteristics

# K99/R00: Pathway to Independence Award

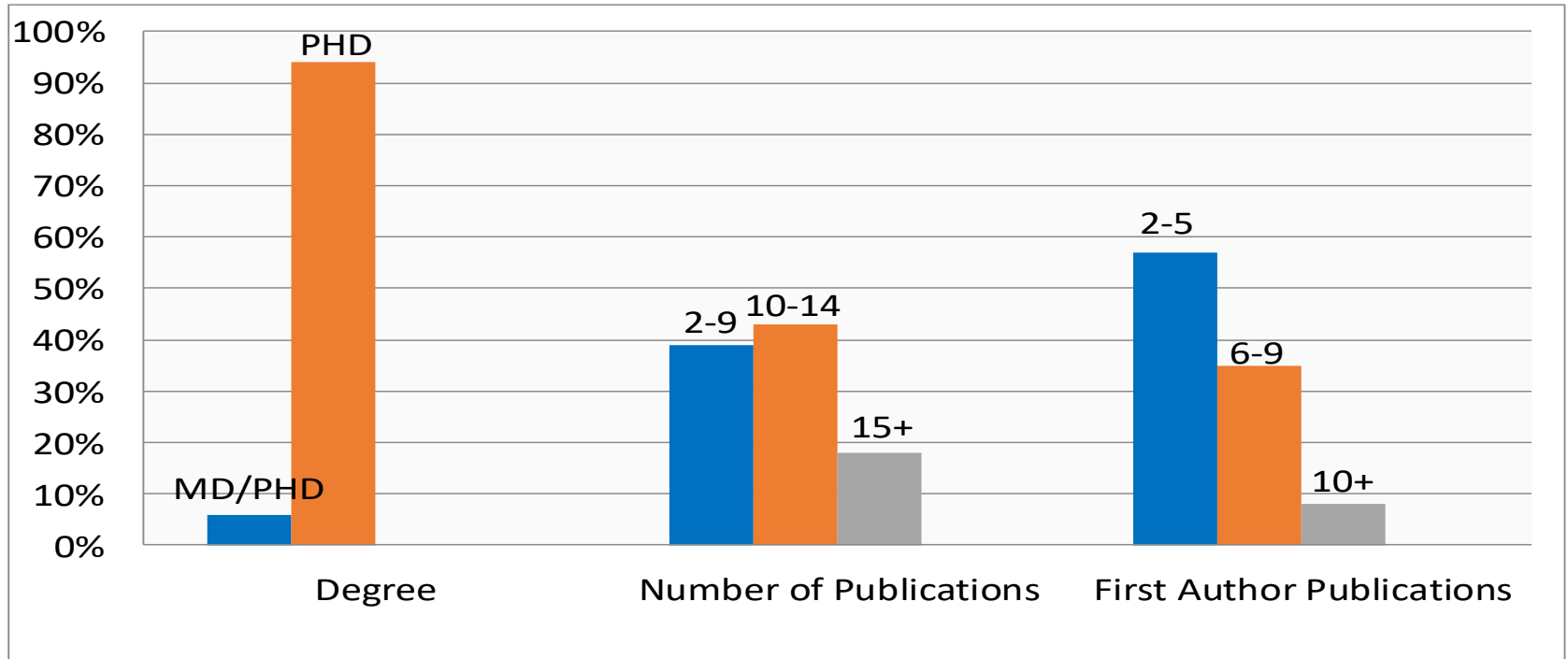
**Objective:** To assist postdoctoral investigators in transitioning into independent research positions

**Candidate:** Postdoctoral or clinical fellows with no more than 4 yrs postdoctoral research experience  
No citizenship requirement

**Award:** K99 phase (2 yrs): Up to \$100K plus fringe benefit  
Up to \$30K research support

R00 phase (3 yrs): \$249K/yr  
≥75% Professional effort (protected time)

# K99 Fellow Characteristics



# Major Components in An Application: R01 vs. K(F)

Section of Application	Page Limits
Specific Aims	1
Research Strategy (Significance; Innovation; Approach)	12
Biographical Sketch	5

Section of Application	Page Limits
Specific Aims	1
Candidate Information and Goals for Career Development and Research Strategy	12
Training in the Responsible Conduct of Research	1
Plans and Statements of Mentor and Co-mentor(s)	6
Letters of Support from Collaborators, Contributors, and Consultants	6
Description of Institutional Environment	1
Institutional Commitment to Candidate's Research Career Development	1
Biographical Sketch	5

# Take Home Messages

## To the Mentors/Sponsors:

- **Your Students/Trainees are the most important people to your career**
- Training awards enjoy healthy success rates. Encourage your students to apply
- Develop customized mentoring plans for the students
- Encourage the students to develop/write their own research plan

## To the Students/Applicants:

- Allocate time to prepare the F- and K- specific sections
- Engage the mentors, collaborators, and institutional leaders early for the application
- Develop a research plan feasible for one person to carry out in 3-5 yrs (use “I” instead of “We” whenever appropriate)
- Allocate time for mentor/peer to provide real feedback to the application

# Places to Go for Detailed Information

**NCI CTB home page:**

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

**NIH grant policy:**

[http://grants.nih.gov/grants/policy/nihgps/HTML5/section\\_11/11.3\\_institutional\\_research\\_training\\_grants.htm](http://grants.nih.gov/grants/policy/nihgps/HTML5/section_11/11.3_institutional_research_training_grants.htm)

**NRSA F&Q:** [http://grants.nih.gov/training/faq\\_training.htm#1259](http://grants.nih.gov/training/faq_training.htm#1259)