

NIH Career Development Programs (“K” Awards)

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National Institutes of Health
Turning Discovery Into Health



Why?

Protected time for individuals to further develop their research expertise.

'Career' Awards = 'K' Awards

- Individual Awards:
 - Mentored
 - Independent
- Institutional Awards (Mentored):
 - Institution, not the individual, applies for the award
 - Curriculum/Program Development

Mentored K Awards

- K01: Mentored **Research Scientist** Development Award for **Laboratory Research**
- K08: Mentored **Clinical Scientist** Development Award for **Laboratory Research**
- K22: Research Career Award for **Transition to Independence**
- K23: Mentored **Patient-Oriented Research** Development Award
- K25: Mentored **Quantitative Research Development** Award
- K99/R00: NIH **Pathway to Independence** Award
- K12: **Institutional** Mentored Research Scientist Development Program (Clinical)



NEW This Year!

- Individual Mentored CDAs - eRA Commons username included for primary Mentor identified in application (co-mentors optional).
- As of June 12, 2016 due date – warning if omitted.
- See NOT-OD-16-084 for details
<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-082.html>



Mentored K Awards: Review

- Overall Impact Score
- Scored Review Criteria
 - Candidate
 - Career Development Plan
 - Research Plan
 - Mentor(s), Consultant(s), and Collaborator(s)
 - Environment and Institutional Commitment to the Candidate



Mentored K Awards: Review (cont.)

- Additional Review Criteria
 - Protection for Human Subjects
 - Inclusion of Women, Minorities, and Children
 - Vertebrate Animals
 - Biohazards
 - Resubmission, Renewal, Revision factors
- Additional Review Considerations
 - Training in the Responsible Conduct of Research
 - Select Agents Research
 - Resource Sharing Plans
 - Budget & Period of Support



Independent Career Awards



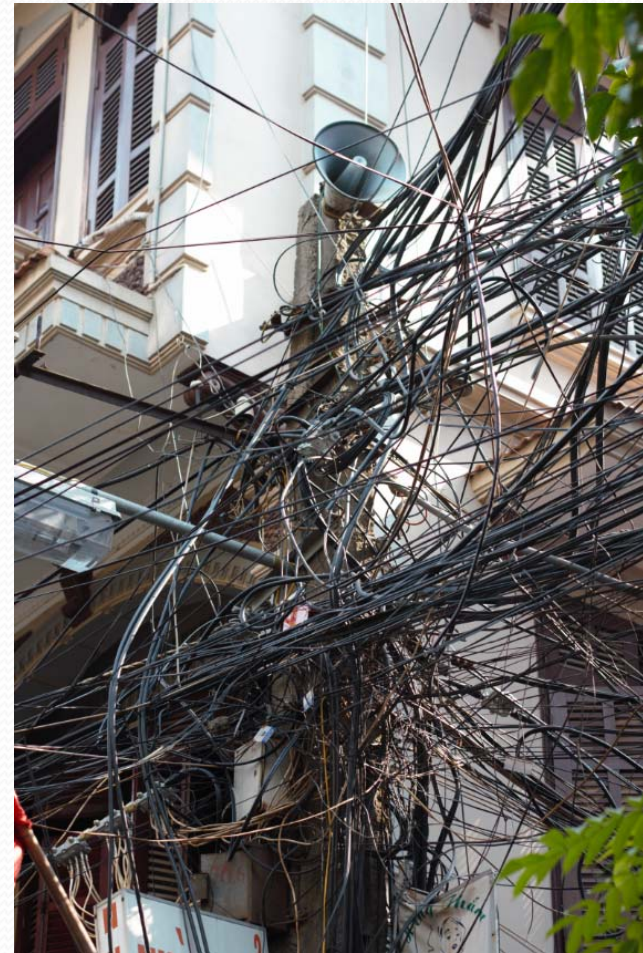
K02 For Research or Clinical Doctorate

- Newly independent scientists
- Sometimes **Renewable**
- Salary support only; requires existing research support

K24 For Experienced Clinical Doctorates

- Provides clinician investigators protected time to devote to patient-oriented research and to **serve as mentors for junior researchers**
- Protects between 25% and 50% of professional effort
- Salary from other Federal sources permitted, e.g. R01 grant

Administrative Issues:



Common Features: Eligibility

- **Eligibility—who can apply?**
 - Doctoral Degree (generally)
 - US Citizen, Non-Citizen National, Permanent Resident (except *K99/R00*); Citizenship requirement met at time of award, not application
 - Previous NIH PD/PI may be Ineligible
 - For K99/R00:
 - If applicant achieves independence prior to initiating the K99, neither K99 or R00 phases will be awarded

Common Features: Duration

- Duration: three to five years
- Entry level awards require a mentor
- Mentored Ks encouraged to apply for independent support during K
- Non-mentored awards (e.g., **K02**, **K24**) are sometimes renewable
- K99 phase of the K99/R00 minimum 12 months; generally no more than 2 years

Common Features: Appointment & Effort

- Appointment:
 - Full-time appointment at applicant organization
(*organization defines “full-time”*)
- Level of Effort:
 - Mentored awards require full-time effort (defined as 75% or 9 cm)

Common Features: Appointment & Effort (cont.)

Temporary Reduction in Effort

- Request for temporary reduction in effort to less than 75% (minimum 50% effort) for up to 12 continuous months during project period possible.
- See section 12.3.6.4 of the NIH GPS:
[http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12.3_eligibility.htm?Highlight=career awards temporary reduction of effort#Level](http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12.3_eligibility.htm?Highlight=career%20awards%20temporary%20reduction%20of%20effort#Level)

Part Time Institutional Appointment

- Request for temporary reduction in appointment to less than full-time possible (but not less than three-quarter time) - not to exceed 12 continuous months during project period.
- See section 12.3.5.1 of the NIH GPS:
http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12.3_eligibility.htm#Type



Common Features: Appointment & Effort (cont.)

- For both adjustments (Temporary Effort and Appointment Status):
 - Circumstances – personal/family situations such as parental leave, child care, elder care, medical conditions, or a disability.
 - Adjustment not permitted to accommodate job opportunities, clinical practice, clinical training, or joint appointments.

Common Features: Appointment & Effort (cont.)

Permanently Reducing Effort/Concurrent Support

- Reducing effort to 50% in final 2 years & replacing with effort on any peer-reviewed research grant or subproject
- K award must be active when competing research grant application is submitted & must be in its final two years before the reduction in effort to 6 person-months (50% full-time effort) is permitted.
- See section 12.3.6.2 of the NIH GPS:
[http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12.3_eligibility.htm?Highlight=career awards temporary reduction of effort#Level](http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12.3_eligibility.htm?Highlight=career%20awards%20temporary%20reduction%20of%20effort#Level)

Common Features: Costs

Some costs vary widely across NIH ICs.

- **Salary/fringe benefits:**
 - Salaries capped between **\$100,000** and legislatively mandated cap (currently **\$185,100**)
- **Research/development costs**
- **Ancillary Personnel Support**
- **F&A Costs**

Calculating K salary

Scenario 1 (if IC cap \$100K):

- IBS = \$125,000
- $\$125,000 \times 75\% = \$93,750$
- NIH contribution = \$93,750

Scenario 2 (if IC cap \$100K):

- IBS = \$155,000
- $\$155,000 \times 75\% = \$116,250$
- NIH contribution = \$100,000

Calculating K salary, con't.

If IC cap is \$125,000 and committing 75% effort

IBS = \$150,000

NIH contribution = ?

IBS = \$185,100

NIH contribution = ?

Common Features: Costs (cont.)

- **Research/development costs:**
 - Generally **\$25,000** to **\$50,000**
 - Commonly used for: supplies, equipment, technical personnel, travel to research meetings or training, tuition/fees, computational services
- **F&A Costs:** 8% Rate,
Base = Modified Total Direct Costs

Common Features: Other Income & Changes

- **Other income:**
 - Royalties and fees
 - Must not be required by research & training activities of the K award, and consistent with grantee institution's policies.

- **Change of Institution or Mentor:**
 - Prior approval

Application Procedures

- Electronic submission
- Submission Dates:
 - February 12, June 12, October 12 (new)
 - March 12, July 12, November 12 (renewal, resubmission, revision)

Application Procedures

- Research Strategy:
 - Uses format like Research grants to align with review criteria (Significance, Innovation, Approach)
- Budget: Required
- Candidate's Biosketch: Includes "Research Support" section and Personal Statement; same as other biosketch used by investigators



Application Procedures (cont.)

- Training in Responsible Conduct of Research
- Mentoring Plan
- Mentor, Co-mentor, Contributor statements
- Institutional Environment
- Commitment to Candidate's Research Career Development

What's new?

- NIH Policy on Rigor and Transparency – applications submitted for Jan 25, 2016 deadline and beyond.
See NOT-OD-16-012 <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-012.html>
- Requirement for Institutional K's (K12s) delayed until FY2017- See NOT-OD-16-034
<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-034.html>

Application Procedures (cont.)

- Reference Letters:
 - Submitted directly through the eRA Commons; not as part of the Grants.gov application.
- See Special Career Instructions in Application Guide (Section I.7)

Publication Reporting Instructions for RPPRs and Renewal Applications

- In order to reduce the burden of unnecessary reporting, NIH has clarified that trainee, scholar, and participant publications must be reported in section C.1 of the RPPR if:
 - the publication was accepted for publication or published during the reporting period; and
 - the publication resulted from work conducted while the individual was supported by the award (i.e., receiving a stipend or salary from the award).
- Publications resulting from work conducted while not actively supported by the institutional training, career development, or related award should not be reported in section C.1.

See [NOT-OD-15-091](#) for details

Reporting Requirements

- Progress Report
- Financial Reporting

Other Resources

- Applying Electronically: <http://grants.nih.gov/grants/how-to-apply-application-guide.htm>
- Career Development Chapter of NIH GPS: http://grants.nih.gov/grants/policy/nihgps/HTML5/section_12/12_research_career_development_k_awards.htm?Highlight=career_development
- FAQs for all things K <http://researchtraining.nih.gov/resources/faq>
- Career Path Resource: <https://researchtraining.nih.gov/career-path>

Resources, con't.

- FAQs – 2016 Form Updates:

http://grants.nih.gov/grants/forms_updates_faq.htm#4950

Rigor and Reproducibility Information:

<http://grants.nih.gov/reproducibility/index.htm>

<https://researchtraining.nih.gov/resources/information>

Home Career Path Programs Institute/Program Matrix Resources

Information for Applicants and Awardees FAQs Policies and Notices Data, Outcomes, and Evaluations Career Guidance

Information for Applicants and Awardees

RTCD Home > Information for Applicants and Awardees

Information for Applicants

- + Application FAQs
- + Application Forms
- + Application Instructions
- + Grant-Writing Tips
- General Resources on the Responsible Conduct of Research
- Overview of the NIH Grants Process
- Success Rates

Information for Awardees

Select Filters

Career Level:

Select ▼

Resource Type:

Select ▼

Program Category:

Select ▼

Activity Code:

Select ▼

Keyword:

Select ▼

Research Career Development Awards

RTCD Home > Programs

To provide institutional research training opportunities (including international) to trainees at the undergraduate, graduate, and postdoctoral levels

1. Select Role



Awardee



Appointee

2. Select Career Level

Early Career

APPLY FILTER

RESET FILTER

K01

Mentored Research Scientist Career Development Award

The purpose of this program is to provide support and protected time for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Some NIH Institutes use the K01 to enhance workforce diversity, or for individuals who propose to train in a new field, or for individuals who have had a hiatus in their research career.

[Details](#)

[View Current Funding Opportunities](#)

K02

Independent Research Scientist Development Award

The purpose of this program is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides salary support and protected time for newly independent scientists who can demonstrate the need for a period of intensive

FAQs

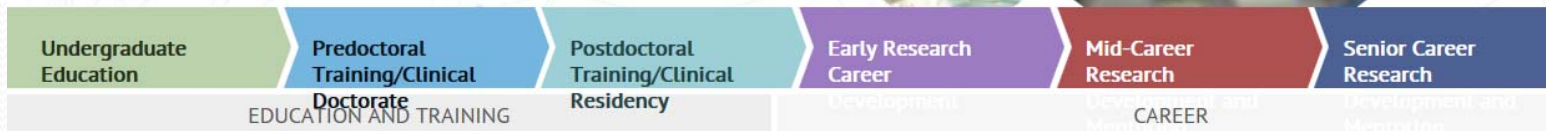
- Who do I contact for questions about my specific application?
- If there are problems with eRA Commons registration or with the grants.gov submission process, where can one get help?
- Who do I contact for questions about my specific institutional training application or grant?
- Do Training Grants have pre-award cost authority?
- NIH uses a formula to calculate what would be awarded for tuition/fees and training related expenses on institutional training grants. Should the grantee use this formula as part of their requested budget in a competitive grant?

[View More](#)

Policy Notices

- NOT-OD-16-007: NIH & AHRQ Announce Transition to New Research Training Table Formats for 2016 and Upcoming Release of

Select your educational or career level to find a funding opportunity to support your training or career development goals



Undergraduate Education

Engaging in research projects outside the classroom during undergraduate years is important.



Early Career

The main goal for these early career researchers is to establish themselves and their teams as experts in their fields of research.



Graduate/Clinical Doctorate

The emphasis during these years is on acquiring the fundamental knowledge to master scientific research or clinical discipline. An experienced mentor is critical to successful training.



Mid Career

Mid-career researchers are focused on their independent research. In academia, the mid career period is defined by becoming an Associate Professor.



Postdoctorate/Residency

Research during this period is increasingly sophisticated and independent. The selection of a mentor during this period is very important for its



Senior Career

Senior career researchers use their broad knowledge and scientific expertise to impact public health and society at large.

Early Research Career Development



RTCD Home > Career Path > Early-Career

Early career researchers are about to transition - or have recently moved - to fully independent positions as investigators, faculty members, clinician scientists, or scientific team leaders in industry. Early career researchers focus on establishing themselves as the experts in their chosen research areas.

NIH Programs for Independent Researchers

You apply for Individual Awards:

K02

Independent Research Scientist Development Award

The purpose of this program is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides salary support and protected time for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers.

[Details](#)

[View Current Funding Opportunities](#)

K01

Mentored Research Scientist Career Development Award

The purpose of this program is to provide support and protected time for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Some NIH Institutes use the K01 to enhance workforce diversity, or for individuals who propose to train in a new field, or for individuals who have had a hiatus in their research career.

[Details](#)

[View Current Funding Opportunities](#)



FAQs

- Who do I contact for questions about my specific application?
- If there are problems with eRA Commons registration or with the grants.gov submission process, where can one get help?
- Explain what fiscal year means. Our institution's fiscal year is different, starting July 1. What are the NIH fiscal year dates?
- What are Career Development Awards?
- There are quite a number of "K" awards. How do they differ from one another?

[View More](#)

NIH Resources

<http://grants.nih.gov/grants/how-to-apply-application-guide.htm>

How to Apply - Application Guide

Use the application forms and guidance found with the funding opportunity announcement together with the instructions for the SF424 (R&R) and Public Health Service (PHS) forms below to submit grant applications to NIH and other PHS agencies, such as the Centers for Disease Control and Prevention, the Food and Drug Administration, and the Agency for Healthcare Research and Quality.

[Feedback on the application guide?](#)

 [Using Our New Application Guide](#)

Prepare to Apply and Register

- Understand Key Systems and Roles
- Get Registered!
- Find and Understand Funding Opportunities
- Identify the Type of Application Submission
- Choose a Submission Option
- Obtain Software

Format and Write

- Write Your Application
- Develop Your Budget
- Format Attachments
- Refer to Table of Page Limits
- Utilize Biosketch, Data Tables and Other Format Pages

Submission Process

- Submit, Track and View Your Application
- Learn How We Check Your Application for Completeness
- Submit a Changed/Corrected Application
- Submit a Reference Letter

Due Dates and Submission Policies

- Due Dates
- Submission Policies
- Guidelines for Applicants Experiencing System Issues

Form Instructions (forms are posted with the funding opportunity announcement)

Need help selecting the right application instructions?

▶ Forms Version D

Application Instructions	Description	View/Download
General (G) Instructions	Comprehensive guidance for research, training, fellowship, career development , multi-project, and small business applications	HTML PDF
Filtered views for your convenience:		
Research (R) Instructions	Guidance for research only	PDF
Career Development (K) Instructions	Guidance for career development only	PDF
Training (T) Instructions	Guidance for training only	PDF
Fellowship (F) Instructions	Guidance for fellowship only	PDF
Multi-Project (M) Instructions	Guidance for multi-project only	PDF
SBIR/STTR (B) Instructions	Guidance for small business only	PDF
Supplemental Instructions	Instructions on preparing the protection of human subjects section of the research plan and human subjects research policy, as well as additional policies, assurances, definitions, and other information	PDF

After Submission

- Receipt and Referral
- Peer Review
- Pre-award Process
- Post-award Monitoring and Reporting

Resources

- News - Items of Interest
- Annotated Form Sets
- Contacting NIH Staff
- Contacting Staff at Other PHS Agencies

Systems

- ASSIST [↗](#)
- eRA Commons [↗](#)
- Grants.gov [↗](#)



Thank You Questions?

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